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115TH CONGRESS
2d Session

HOUSE OF REPRESENTATIVES

REPORT
115–863

JOHN S. McCAIN NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2019

CONFERENCE REPORT

TO ACCOMPANY

H.R. 5515

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30–799 WASHINGTON : 2018

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115TH CONGRESS
2d Session

HOUSE OF REPRESENTATIVES

REPORT
115–863

JOHN S. MCCAIN NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2019

JULY 23, 2018.—Ordered to be printed

Mr. THORNBERRY, from the committee of conference, submitted the following

CONFERENCE REPORT

[To accompany H.R. 5515]

The committee of conference on the disagreeing votes of the two Houses on the amendment of the Senate to the bill (H.R. 5515), to authorize appropriations for fiscal year 2019 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes, having met, after full and free conference, have agreed to recommend and do recommend to their respective Houses as follows:

That the House recede from its disagreement to the amendment of the Senate and agree to the same with an amendment as follows:

In lieu of the matter proposed to be inserted by the Senate amendment, insert the following:

SECTION 1. SHORT TITLE.

(a) IN GENERAL.—This Act may be cited as the "John S. McCain National Defense Authorization Act for Fiscal Year 2019".

(b) REFERENCES.—Any reference in this or any other Act to the "National Defense Authorization Act for Fiscal Year 2019" shall be deemed to be a reference to the "John S. McCain National Defense Authorization Act for Fiscal Year 2019".

SEC. 2. ORGANIZATION OF ACT INTO DIVISIONS; TABLE OF CONTENTS.

(a) DIVISIONS.—This Act is organized into four divisions as follows:

(1) Division A—Department of Defense Authorizations.

(2) Division B—Military Construction Authorizations.

(3) Division C—Department of Energy National Security Authorizations and Other Authorizations.

(4) Division D—Funding Tables.

(b) TABLE OF CONTENTS.—The table of contents for this Act is as follows:

Sec. 1. Short title.
Sec. 2. Organization of Act into divisions; table of contents.
Sec. 3. Congressional defense committees.
Sec. 4. Budgetary effects of this Act.

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization Of Appropriations

Sec. 101. Authorization of appropriations.

Subtitle B—Army Programs

Sec. 111. National Guard and reserve component equipment report.
Sec. 112. Deployment by the Army of an interim cruise missile defense capability.

Subtitle C—Navy Programs

Sec. 121. Procurement authority for Ford class aircraft carrier program.
Sec. 122. Full ship shock trial for Ford class aircraft carrier.
Sec. 123. Sense of Congress on accelerated production of aircraft carriers.
Sec. 124. Multiyear procurement authority for standard missile–6.
Sec. 125. Multiyear procurement authority for E–2D aircraft.
Sec. 126. Multiyear procurement authority for F/A–18E/F aircraft and EA–18G aircraft.
Sec. 127. Modifications to F/A–18 aircraft to mitigate physiological episodes.
Sec. 128. Frigate class ship program.
Sec. 129. Contract requirement for Virginia class submarine program.
Sec. 130. Prohibition on availability of funds for Navy port waterborne security barriers.
Sec. 131. Extension of limitation on use of sole-source shipbuilding contracts for certain vessels.
Sec. 132. Limitation on availability of funds for M27 Infantry Automatic Rifle program.
Sec. 133. Report on degaussing standards for DDG–51 destroyers.

Subtitle D—Air Force Programs

Sec. 141. Inventory requirement for air refueling tanker aircraft; limitation on retirement of KC–10A aircraft.
Sec. 142. Multiyear procurement authority for C–130J aircraft program.
Sec. 143. Contract for logistics support for VC–25B aircraft.
Sec. 144. Retirement date for VC–25A aircraft.
Sec. 145. Repeal of funding restriction for EC–130H Compass Call Recapitalization Program.
Sec. 146. Limitation on use of funds for KC–46A aircraft pending submittal of certification.
Sec. 147. Limitation on availability of funds for retirement of E–8 JSTARS Aircraft.
Sec. 148. Report on modernization of B–52H aircraft systems.

Subtitle E—Defense-wide, Joint, and Multiservice Matters

Sec. 151. Procurement authority for additional icebreaker vessels.
Sec. 152. Buy-to-budget acquisition of F–35 aircraft.
Sec. 153. Certification on inclusion of technology to minimize physiological episodes in certain aircraft.
Sec. 154. Armored commercial passenger-carrying vehicles.
Sec. 155. Quarterly updates on the F–35 Joint Strike Fighter program.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

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Sec. 201. Authorization of appropriations.

Subtitle B—Program Requirements, Restrictions, and Limitations

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Sec. 212. Extension of directed energy prototype authority.
Sec. 213. Prohibition on availability of funds for the Weather Common Component program.

Sec. 214. Limitation on availability of funds for F–35 continuous capability development and delivery.
Sec. 215. Limitation on availability of funds pending report on agile software development and software operations.
Sec. 216. Limitation on availability of funds for certain high energy laser advanced technology.
Sec. 217. Plan for the Strategic Capabilities Office of the Department of Defense.
Sec. 218. National Defense Science and Technology Strategy.
Sec. 219. Modification of CVN–73 to support fielding of MQ–25 unmanned aerial vehicle.
Sec. 220. Establishment of innovators information repository in the Department of Defense.
Sec. 221. Strategic plan for Department of Defense test and evaluation resources.
Sec. 222. Collaboration between Defense laboratories, industry, and academia; open campus program.
Sec. 223. Permanent extension and codification of authority to conduct technology protection features activities during research and development of defense systems.
Sec. 224. Codification and reauthorization of Defense Research and Development Rapid Innovation Program.
Sec. 225. Procedures for rapid reaction to emerging technology.
Sec. 226. Activities on identification and development of enhanced personal protective equipment against blast injury.
Sec. 227. Human factors modeling and simulation activities.
Sec. 228. Expansion of mission areas supported by mechanisms for expedited access to technical talent and expertise at academic institutions.
Sec. 229. Advanced manufacturing activities.
Sec. 230. National security innovation activities.
Sec. 231. Partnership intermediaries for promotion of defense research and education.
Sec. 232. Limitation on use of funds for Surface Navy Laser Weapon System.
Sec. 233. Expansion of coordination requirement for support for national security innovation and entrepreneurial education.
Sec. 234. Defense quantum information science and technology research and development program.
Sec. 235. Joint directed energy test activities.
Sec. 236. Requirement for establishment of arrangements for expedited access to technical talent and expertise at academic institutions to support Department of Defense missions.
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Sec. 238. Joint artificial intelligence research, development, and transition activities.

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Sec. 246. Report on OA–X light attack aircraft applicability to partner nation support.
Sec. 247. Reports on comparative capabilities of adversaries in key technology areas.
Sec. 248. Report on active protection systems for armored combat and tactical vehicles.
Sec. 249. Next Generation Combat Vehicle.
Sec. 250. Modification of reports on mechanisms to provide funds to defense laboratories for research and development of technologies for military missions.
Sec. 251. Briefings on Mobile Protected Firepower and Future Vertical Lift programs.
Sec. 252. Improvement of the Air Force supply chain.
Sec. 253. Review of guidance on blast exposure during training.
Sec. 254. Competitive acquisition strategy for Bradley Fighting Vehicle transmission replacement.
Sec. 255. Independent assessment of electronic warfare plans and programs.

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Sec. 314. Operational energy policy.
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Sec. 316. Extension of authorized periods of permitted incidental takings of marine mammals in the course of specified activities by Department of Defense.
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Sec. 322. Examination of Navy vessels.
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Sec. 326. Business case analysis for proposed relocation of J85 Engine Regional Repair Center.
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Sec. 337. Report on wildfire suppression capabilities of active and reserve components.
Sec. 338. Report on relocation of steam turbine production from Nimitz-class and Ford-class aircraft carriers and Virginia-class and Columbia-class submarines.
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Subtitle B—Reserve Forces

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Sec. 507. Alternative promotion authority for officers in designated competitive categories of officers.
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SEC. 3. CONGRESSIONAL DEFENSE COMMITTEES.

In this Act, the term "congressional defense committees" has the meaning given that term in section 101(a)(16) of title 10, United States Code.

SEC. 4. BUDGETARY EFFECTS OF THIS ACT.

The budgetary effects of this Act, for the purposes of complying with the Statutory Pay-As-You-Go Act of 2010, shall be determined by reference to the latest statement titled "Budgetary Effects of PAYGO Legislation" for this Act, jointly submitted for printing in the Congressional Record by the Chairmen of the House and Senate Budget Committees, provided that such statement has been submitted prior to the vote on passage in the House acting first on the conference report or amendment between the Houses.

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

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Subtitle A—Authorization Of Appropriations

SEC. 101. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for procurement for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4101.

Subtitle B—Army Programs

SEC. 111. NATIONAL GUARD AND RESERVE COMPONENT EQUIPMENT REPORT.

(a) IN GENERAL.—Section 10541(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(10) A joint assessment by the Chief of Staff of the Army and the Chief of the National Guard Bureau on the efforts of the Army to achieve parity among the active component, the Army Reserve, and the Army National Guard with respect to equipment and capabilities. Each assessment shall include a comparison of the inventory of high priority items of equipment available to each component of the Army described in preceding sentence, including—

"(A) AH–64 Attack Helicopters;
"(B) UH–60 Black Hawk Utility Helicopters;
"(C) Abrams Main Battle Tanks;
"(D) Bradley Infantry Fighting Vehicles;
"(E) Stryker Combat Vehicles; and
"(F) any other items of equipment identified as high priority by the Chief of Staff of the Army or the Chief of the National Guard Bureau.".

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall apply with respect to reports required to be submitted under section 10541 of title 10, United States Code, after the date of the enactment of this Act.

SEC. 112. DEPLOYMENT BY THE ARMY OF AN INTERIM CRUISE MISSILE DEFENSE CAPABILITY.

(a) CERTIFICATION REQUIRED.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall certify to the congressional defense committees whether there is a need for the Army to deploy an interim missile defense capability.

(b) DEPLOYMENT.—

(1) IN GENERAL.—If the Secretary of Defense certifies that there is a need for the Army to deploy an interim missile de-

fense capability under subsection (a), the Secretary of the Army shall deploy the capability as follows:

(A) Two batteries of the capability shall be deployed by not later than September 30, 2020.

(B) Two additional batteries of the capability shall be deployed by not later than September 30, 2023.

(2) ACHIEVEMENT OF DEPLOYMENT DEADLINES.—In order to meet the deadlines for deployment specified in paragraph (1) the Secretary of the Army may—

(A) deploy systems that require the least amount of development;

(B) procure non-developmental air and missile defense systems currently in production to ensure rapid delivery of capability;

(C) use existing systems, components, and capabilities already in the Joint Force inventory, including rockets and missiles as available;

(D) use operational information technology for communication, detection, and fire control that is certified to work with existing joint information technology systems to ensure interoperability;

(E) engage and collaborate with officials, organizations, and activities of the Department of Defense with responsibilities relating to science and technology, engineering, testing, and acquisition, including the Defense Innovation United Experimental, the Director of Operational Test and Evaluation, the Defense Digital Service, the Strategic Capabilities Office, and the Rapid Capabilities offices, to accelerate the development, testing, and deployment of existing systems;

(F) use institutional and operational basing to facilitate rapid training and fielding;

(G) consider a range of direct energy weapon systems to compete for the 2023 deployment specified in paragraph (1)(B); and

(H) carry out such other activities as the Secretary determines to be appropriate.

(3) AUTHORITIES.—In carrying out paragraphs (1) and (2), Secretary of the Army may use any authority of the Secretary relating to acquisition, technology transfer, and personnel management that the Secretary considers appropriate, including rapid acquisition and rapid prototyping authorities, to resource and procure an interim missile defense capability.

(4) WAIVER.—The Secretary of the Army may waive the deadlines for deployment specified in paragraph (1) if the Secretary determines that sufficient funds have not been appropriated to enable the Secretary to meet such deadlines.

(c) IN GENERAL.—If the Secretary of the Army will deploy an interim missile defense capability pursuant to subsection (b), then, by not later than March 1, 2019, the Secretary, in consultation with the Chief of Staff of the Army, shall provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing that includes—

(1) recommendations identifying any interim missile defense capabilities to be deployed and a proposed rapid acquisition schedule for such capabilities;

(2) a plan to rapidly resource any identified shortfalls for any such capability selected for deployment; and

(3) a schedule and timeline for the fielding and deployment of any such capability.

(d) INTERIM MISSILE DEFENSE CAPABILITY DEFINED.—In this section, the term "interim missile defense capability" means a fixed-site, cruise missile defense capability that may be deployed before the Indirect Fire Protection Capability of the Army becomes fully operational.

Subtitle C—Navy Programs

SEC. 121. PROCUREMENT AUTHORITY FOR FORD CLASS AIRCRAFT CARRIER PROGRAM.

(a) CONTRACT AUTHORITY.—

(1) PROCUREMENT AUTHORIZED.—The Secretary of the Navy may enter into one or more contracts, beginning with the fiscal year 2019 program year, for the procurement of one Ford class aircraft carrier to be designated CVN–81.

(2) PROCUREMENT IN CONJUNCTION WITH CVN–80.—The aircraft carrier authorized to be procured under paragraph (1) may be procured as an addition to the contract covering the Ford class aircraft carrier designated CVN–80 that is authorized to be constructed under section 121 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2104).

(b) CERTIFICATION REQUIRED.—A contract may not be entered into under subsection (a) unless the Secretary of Defense certifies to the congressional defense committees, in writing, not later than 30 days before entry into the contract, each of the following, which shall be prepared by the milestone decision authority for the Ford class aircraft carrier program:

(1) The use of such a contract will result in significant savings compared to the total anticipated costs of carrying out the program through annual contracts. In certifying cost savings under the preceding sentence, the Secretary shall include a written explanation of—

(A) the estimated obligations and expenditures by fiscal year for CVN–80 and CVN–81, by hull, without the authority provided in subsection (a);

(B) the estimated obligations and expenditures by fiscal year for CVN–80 and CVN–81, by hull, with the authority provided in subsection (a);

(C) the estimated cost savings or increase by fiscal year for CVN–80 and CVN–81, by hull, with the authority provided in subsection (a);

(D) the discrete actions that will accomplish such cost savings or avoidance; and

(E) the contractual actions that will ensure the estimated cost savings are realized.

(2) There is a reasonable expectation that throughout the contemplated contract period the Secretary of Defense will re-

quest funding for the contract at the level required to avoid contract cancellation.

(3) There is a stable design for the property to be acquired and that the technical risks associated with such property are not excessive.

(4) The estimates of both the cost of the contract and the anticipated cost avoidance through the use of a contract authorized under subsection (a) are realistic.

(5) The use of such a contract will promote the national security of the United States.

(6) During the fiscal year in which such contract is to be awarded, sufficient funds will be available to perform the contract in such fiscal year, and the future-years defense program (as defined under section 221 of title 10, United States Code) for such fiscal year will include the funding required to execute the program without cancellation.

(7) The contract will be a fixed price type contract.

(c) USE OF INCREMENTAL FUNDING.—With respect to a contract entered into under subsection (a), the Secretary of the Navy may use incremental funding to make payments under the contract. No such payments may be obligated after the date that is 11 months after the date on which the fitting out of the aircraft carrier associated with the contract is completed.

(d) LIABILITY.—A contract entered into under subsection (a) shall provide that the total liability to the Government for termination of the contract entered into shall be limited to the total amount of funding obligated at the time of termination.

(e) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year is subject to the availability of appropriations for that purpose for such fiscal year.

(f) MILESTONE DECISION AUTHORITY DEFINED.—In this section, the term "milestone decision authority" has the meaning given that term in section 2366a(d) of title 10, United States Code.

SEC. 122. FULL SHIP SHOCK TRIAL FOR FORD CLASS AIRCRAFT CARRIER.

The Secretary of the Navy shall ensure that full ship shock trials results are incorporated into the construction of the Ford class aircraft carrier designated CVN–81.

SEC. 123. SENSE OF CONGRESS ON ACCELERATED PRODUCTION OF AIRCRAFT CARRIERS.

It is the sense of Congress that the United States should accelerate the production of aircraft carriers to rapidly achieve the Navy's goal of having 12 operational aircraft carriers.

SEC. 124. MULTIYEAR PROCUREMENT AUTHORITY FOR STANDARD MISSILE–6.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of the Navy may enter into one or more multiyear contracts, beginning with the fiscal year 2019 program year, for the procurement of up to 625 standard missile–6 missiles at a rate of not more than 125 missiles per year during the covered period.

(b) AUTHORITY FOR ADVANCE PROCUREMENT AND ECONOMIC ORDER QUANTITY.—The Secretary may enter into one or more contracts for advance procurement associated with the missiles (including economic order quantity) for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

(c) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

(d) COVERED PERIOD DEFINED.—In this section, the term "covered period" means the 5-year period beginning with the fiscal year 2019 program year and ending with the fiscal year 2023 program year.

SEC. 125. MULTIYEAR PROCUREMENT AUTHORITY FOR E–2D AIRCRAFT.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of the Navy may enter into one or more multiyear contracts, beginning with the fiscal year 2019 program year, for the procurement of up to 24 E–2D aircraft.

(b) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.

SEC. 126. MULTIYEAR PROCUREMENT AUTHORITY FOR F/A–18E/F AIRCRAFT AND EA–18G AIRCRAFT.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of the Navy may enter into one or more multiyear contracts, beginning with the fiscal year 2019 program year, for the procurement of the following:

(1) F/A–18E/F aircraft.

(2) EA–18G aircraft.

(b) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

(c) AUTHORITY FOR ADVANCE PROCUREMENT AND ECONOMIC ORDER QUANTITY.—The Secretary of the Navy may enter into one or more contracts, beginning in fiscal year 2019, for advance procurement associated with the aircraft for which authorization to enter into a multiyear procurement contract is provided under subsection (a), which may include one or more contracts for the procurement of economic order quantities of material and equipment for such aircraft.

SEC. 127. MODIFICATIONS TO F/A–18 AIRCRAFT TO MITIGATE PHYSIOLOGICAL EPISODES.

(a) MODIFICATIONS REQUIRED.—The Secretary of the Navy shall modify the F/A–18 aircraft to reduce the occurrence of, and mitigate the risk posed by, physiological episodes affecting crewmembers of the aircraft. The modifications shall include, at minimum—

(1) replacement of the F/A–18 cockpit altimeter;

(2) upgrade of the F/A–18 onboard oxygen generation system;

(3) redesign of the F/A–18 aircraft life support systems required to meet onboard oxygen generation system input specifications; and

(4) installation of equipment associated with improved F/A–18 physiological monitoring and alert systems.

(b) REPORT REQUIRED.—Not later than February 1, 2019, and annually thereafter through February 1, 2021, the Secretary of the Navy shall submit to the congressional defense committees a written update on the status of all modifications to the F/A–18 aircraft carried out by the Secretary pursuant to subsection (a).

(c) WAIVER.—The Secretary of the Navy may waive the requirement to make a modification under subsection (a) if the Secretary certifies to the congressional defense committees that the specific modification is inadvisable and provides a detailed justification for excluding the modification from the Navy's planned upgrades for the F/A–18 aircraft.

SEC. 128. FRIGATE CLASS SHIP PROGRAM.

(a) IN GENERAL.—As part of the solicitation for proposals for the procurement of any frigate class ship in any of fiscal years 2019, 2020, or 2021, the Secretary of the Navy shall require that offerors submit proposals under which the offeror agrees to convey technical data to the Federal Government in the event the offeror is awarded the frigate construction contract associated with the proposal.

(b) TECHNICAL DATA DEFINED.—In this section, the term "technical data" means a compilation of detailed engineering plans and specifications for the construction of a frigate class ship.

SEC. 129. CONTRACT REQUIREMENT FOR VIRGINIA CLASS SUBMARINE PROGRAM.

Section 124 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) by redesignating subsection (d) through (f) as subsections (e) through (g), respectively; and

(2) by inserting after subsection (c), the following:

"(d) CONTRACT REQUIREMENT.—

"(1) IN GENERAL.—The Secretary of the Navy shall ensure that a contract entered into under subsection (a) includes an option to procure a Virginia class submarine in each of fiscal years 2022 and 2023.

"(2) OPTION DEFINED.—In this subsection, the term 'option' has the meaning given that term in part 2.101 of the Federal Acquisition Regulation.".

SEC. 130. PROHIBITION ON AVAILABILITY OF FUNDS FOR NAVY PORT WATERBORNE SECURITY BARRIERS.

(a) PROHIBITION.—Except as provided in subsections (b) and (c), none of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2019 may be obligated or expended to procure legacy waterborne security barriers for Navy ports.

(b) WAIVER.—The Secretary of the Navy may waive the prohibition in subsection (a) not less than 30 days after submitting to the congressional defense committees—

(1) a Navy requirements document that specifies key performance parameters and key system attributes for new waterborne security barriers for Navy ports;

(2) a certification that the level of capability specified under paragraph (1) will meet or exceed that of legacy waterborne security barriers for Navy ports;

(3) the acquisition strategy for the recapitalization of legacy waterborne security barriers for Navy ports, which shall meet or exceed the requirements specified under paragraph (1); and

(4) a certification that any contract for new waterborne security barriers for a Navy port will be awarded in accordance with the requirements for full and open competition set forth in section 2304 of title 10, United States Code.

(c) EXCEPTION.—The prohibition in subsection (a) shall not apply to any of the following activities:

(1) The sustainment, refurbishment, and replacement of portions of existing waterborne security barriers at Navy ports due to normal wear and tear.

(2) The procurement of new waterborne security barriers for Navy ports due to exigent circumstances.

SEC. 131. EXTENSION OF LIMITATION ON USE OF SOLE-SOURCE SHIPBUILDING CONTRACTS FOR CERTAIN VESSELS.

Section 124 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), as amended by section 127 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended by striking "or fiscal year 2018" and inserting ", fiscal year 2018, or fiscal year 2019".

SEC. 132. LIMITATION ON AVAILABILITY OF FUNDS FOR M27 INFANTRY AUTOMATIC RIFLE PROGRAM.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the M27 Infantry Automatic Rifle program of the Marine Corps, not more than 80 percent may be obligated or expended until the date on which the Commandant of the Marine Corps submits to the Committees on Armed Services of the Senate and the House of Representatives the assessment described in subsection (b).

(b) ASSESSMENT.—The assessment described in this subsection is a written summary of the views of the Marine Corps with respect to the Small Arms Ammunition Configuration Study of the Army, including—

(1) an explanation of how the study informs the future small arms modernization requirements of the Marine Corps; and

(2) near-term and long-term modernization strategies for the small arms weapon systems of the Marine Corps, including associated funding and schedule profiles.

SEC. 133. REPORT ON DEGAUSSING STANDARDS FOR DDG–51 DESTROYERS.

(a) REPORT REQUIRED.—Not later than February 1, 2019, the Secretary of the Navy shall submit to the congressional defense committees a report on degaussing standards for the DDG–51 destroyer.

(b) ELEMENTS.—The report required under subsection (a) shall include—

(1) a detailed description of the current degaussing standards for the DDG–51 destroyer;

(2) a plan for incorporating such standards into the destroyer construction program; and

(3) an assessment of the requirement to backfit such standards to in-service destroyers.

Subtitle D—Air Force Programs

SEC. 141. INVENTORY REQUIREMENT FOR AIR REFUELING TANKER AIRCRAFT; LIMITATION ON RETIREMENT OF KC–10A AIRCRAFT.

(a) INVENTORY REQUIREMENT.—Section 8062 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(j)(1) Except as provided in paragraph (2), effective October 1, 2019, the Secretary of the Air Force shall maintain a total aircraft inventory of air refueling tanker aircraft of not less than 479 aircraft.

"(2) The Secretary of the Air Force may reduce the number of air refueling tanker aircraft in the total aircraft inventory of the Air Force below 479 only if—

"(A) the Secretary certifies to the congressional defense committees that such reduction is justified by the results of the mobility capability and requirements study conducted under section 144(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91); and

"(B) a period of 30 days has elapsed following the date on which the certification is made to the congressional defense committees under subparagraph (A).

"(3) In this subsection:

"(A) The term 'air refueling tanker aircraft' means an aircraft that has as its primary mission the refueling of other aircraft.

"(B) The term 'total aircraft inventory' means aircraft authorized to a flying unit for operations or training.".

(b) LIMITATION ON RETIREMENT OF KC–10A.—

(1) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for any fiscal year for the Air Force may be obligated or expended to retire, or to prepare to retire, any KC–10A aircraft until the date that is 30 days after the date on which the Secretary of the Air Force certifies to the congressional defense committees that Secretary has met the minimum inventory requirement under section 8062(j) of title 10, United States Code, as added by subsection (a) of this section.

(2) EXCEPTION FOR CERTAIN AIRCRAFT.—The requirement of paragraph (1) does not apply to individual KC–10A aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be non-operational because of mishaps, other damage, or being uneconomical to repair.

SEC. 142. MULTIYEAR PROCUREMENT AUTHORITY FOR C–130J AIRCRAFT PROGRAM.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of the Air

Force may enter into one or more multiyear contracts, beginning with the fiscal year 2019 program year, for the procurement of—

(1) C–130J aircraft for the Air Force; and

(2) C–130J aircraft for the Navy and the Marine Corps pursuant to the agreement described in subsection (b).

(b) AGREEMENT DESCRIBED.—The agreement described in this subsection is the agreement between the Secretary of the Navy and the Secretary of the Air Force under which the Secretary of the Air Force acts as the executive agent for the Department of the Navy for purposes of procuring C–130J aircraft for such Department.

(c) AUTHORITY FOR ADVANCE PROCUREMENT AND ECONOMIC ORDER QUANTITY.—The Secretary of the Air Force may enter into one or more contracts for advance procurement associated with the C–130J aircraft, including economic order quantity, for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

(d) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.

(e) TREATMENT OF FISCAL YEAR 2018 AIRCRAFT.—The multiyear contract authority under subsection (a) includes C–130J aircraft for which funds were appropriated for fiscal year 2018.

SEC. 143. CONTRACT FOR LOGISTICS SUPPORT FOR VC–25B AIRCRAFT.

The Secretary of the Air Force shall—

(1) ensure that the total period of any contract awarded for logistics support for the VC–25B aircraft does not exceed five years, as required under part 17.204(e) of the Federal Acquisition Regulation, unless otherwise approved in accordance with established procedures; and

(2) comply with section 2304 of title 10, United States Code, regarding full and open competition through the use of competitive procedures for the award of any logistics support contract following the initial five-year contract period.

SEC. 144. RETIREMENT DATE FOR VC–25A AIRCRAFT.

(a) IN GENERAL.—For purposes of the application of section 2244a of title 10, United States Code, the retirement date of the covered aircraft is deemed to be not later than December 31, 2025.

(b) COVERED AIRCRAFT DEFINED.—In this section, the term "covered aircraft" means the two VC–25A aircraft of the Air Force that are in service as of the date of the enactment of this Act.

SEC. 145. REPEAL OF FUNDING RESTRICTION FOR EC–130H COMPASS CALL RECAPITALIZATION PROGRAM.

Section 131 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2037) is repealed.

SEC. 146. LIMITATION ON USE OF FUNDS FOR KC–46A AIRCRAFT PENDING SUBMITTAL OF CERTIFICATION.

(a) CERTIFICATION REQUIRED.—The Secretary of the Air Force shall submit to the congressional defense committees certification that, as of the date of the certification—

(1) the supplemental type certification and the military type certification for the KC–46A aircraft have been approved; and

(2) the Air Force has accepted the delivery of the first KC–46A aircraft.

(b) LIMITATION ON USE OF FUNDS.—

(1) LIMITATION.—Notwithstanding any other provision of this Act, none of the funds authorized to be appropriated or otherwise made available by this Act for fiscal year 2019 for Aircraft Procurement, Air Force, may be obligated or expended to procure the covered aircraft until the Secretary of the Air Force submits the certification required under subsection (a).

(2) COVERED AIRCRAFT DEFINED.—In this subsection, the term "covered aircraft" means three of the KC–46A aircraft authorized to be procured by this Act.

SEC. 147. LIMITATION ON AVAILABILITY OF FUNDS FOR RETIREMENT OF E–8 JSTARS AIRCRAFT.

(a) LIMITATION ON AVAILABILITY OF FUNDS FOR RETIREMENT.—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 or any subsequent fiscal year for the Air Force may be obligated or expended to retire, or prepare to retire, any E–8 Joint Surveillance Target Attack Radar System aircraft until the date on which the Secretary of the Defense certifies to the congressional defense committees that Increment 2 of the Advanced Battle-Management System of the Air Force has declared initial operational capability as defined in the Capability Development Document for the System.

(b) EXCEPTION.—The limitation in subsection (a) shall not apply to individual E–8C Joint Surveillance Target Attack Radar System aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be no longer mission capable because of mishaps, other damage, or being uneconomical to repair.

(c) CERTIFICATION REQUIRED.—Not later than March 1, 2019, the Secretary of Defense, on a nondelegable basis, shall certify to the congressional defense committees that—

(1) the Secretary of the Air Force is taking all reasonable steps to ensure the legacy E–8C Joint Surveillance Target Radar System aircraft that the Air Force continues to operate meet all safety requirements;

(2) the Secretary of the Air Force has developed and implemented a funding strategy to increase the operational and maintenance availability of the legacy E–8C Joint Surveillance Target Radar System aircraft that the Air Force continues to operate;

(3) the Advanced Battle-Management System Increment 1, 2, and 3 acquisition and fielding strategy is executable and that sufficient funds will be available to achieve all elements of the System as described in the Capability Development Document for the System; and

(4) in coordination with each separate geographic combatant commander, that the Secretary of the Air Force is implementing defined and measurable actions to meet the operational planning and steady-state force presentation requirements for Ground-Moving Target Indicator intelligence and Battle-Management, Command and Control towards a moderate level of risk until Increment 2 of the Advanced Battle-Management System declares initial operational capability.

(d) GAO REPORT AND BRIEFING.—

(1) REPORT REQUIRED.—Not later than March 1, 2020, the Comptroller General of the United States shall submit to the congressional defense committees a report on Increment I, Increment 2, and Increment 3 of the 21st Century Advanced Battle Management System of Systems capability of the Air Force. The report shall include a review of—

(A) the technologies that compose the capability and the level of maturation of such technologies;

(B) the resources budgeted for the capability;

(C) the fielding plan for the capability;

(D) any risk assessments associated with the capability; and

(E) the overall acquisition strategy for the capability.

(2) INTERIM BRIEFING.—Not later than March 1, 2019, the Comptroller General of the United States shall provide to the Committees on Armed Services of the House of Representatives and the Senate a briefing on the topics to be covered by the report under paragraph (1), including any preliminary data and any issues or concerns of the Comptroller General relating to the report.

(e) AIR FORCE REPORT.—Not later than February 5, 2019, the Secretary of the Air Force shall submit to the congressional defense committees a report on the legacy fleet of E–8C Joint Surveillance Target Attack Radar System aircraft that includes—

(1) the modernization and sustainment strategy, and associated costs, for the airframe and mission systems that will be used to maintain the legacy fleet of such aircraft until the planned retirement of the aircraft; and

(2) a plan that will provide combatant commanders with an increased level of E–8C force support.

(f) E–8C FORCE PRESENTATION REQUIREMENT.—

(1) IN GENERAL.—Beginning not later than October 1, 2020, and until the retirement of the E–8C aircraft fleet, the Secretary of the Air Force shall provide not fewer than 6 dedicated E–8C aircraft each fiscal year for allocation to the geographical combatant commanders through the Intelligence, Surveillance, and Reconnaissance Global Force Management Allocation Process.

(2) EXCEPTION.—If the Secretary of the Air Force is unable to meet the requirements of paragraph (1), the Secretary of Defense, on a nondelegable basis, may waive the requirements for a fiscal year and shall provide to the congressional defense committees a notice of waiver issuance and justification.

(g) AIR FORCE BRIEFING REQUIREMENT.—Beginning not later than October 1, 2018, and on a quarterly basis thereafter, the Secretary of the Air Force shall provide to the congressional defense committees a program update briefing on the Advanced Battle-Management System of the Air Force, and all associated technologies.

SEC. 148. REPORT ON MODERNIZATION OF B–52H AIRCRAFT SYSTEMS.

(a) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report on the long term modernization of the B–52H aircraft.

(b) ELEMENTS.—The report required under subsection (a) shall include—

(1) an estimated timeline for the modernization of the B–52H aircraft; and

(2) modernization requirements with respect to the integrated systems of the aircraft, including—

(A) electronic warfare and defensive systems;

(B) communications, including secure jam resistant capability;

(C) radar replacement;

(D) engine replacement;

(E) future weapons and targeting capability; and

(F) mission planning systems.

Subtitle E—Defense-wide, Joint, and Multiservice Matters

SEC. 151. PROCUREMENT AUTHORITY FOR ADDITIONAL ICEBREAKER VESSELS.

(a) PROCUREMENT AUTHORITY.—

(1) IN GENERAL.—In addition to the icebreaker vessel authorized to be procured under section 122(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), the Secretary of the department in which the Coast Guard is operating may enter into one or more contracts for the procurement of up to five additional polar-class icebreaker vessels.

(2) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under paragraph (1) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations or funds for that purpose for such later fiscal year.

(b) SENSE OF CONGRESS.—It is the sense of Congress that the Coast Guard should maintain an inventory of not fewer than six polar-class icebreaker vessels beginning not later than fiscal year 2029 and, to achieve such inventory, should—

(1) award a contract for the first new polar-class icebreaker not later than fiscal year 2019;

(2) deliver the first new polar-class icebreaker not later than fiscal year 2023;

(3) start construction on the second through sixth new polar-class icebreakers at a rate of one vessel per year in fiscal years 2022 through 2026; and

(4) accept delivery of the second through sixth new polar-class icebreakers at a rate of one vessel per year in fiscal years 2025 through 2029.

SEC. 152. BUY-TO-BUDGET ACQUISITION OF F–35 AIRCRAFT.

Subject to section 2308 of title 10, United States Code, using funds authorized to be appropriated by this Act for the procurement of F–35 aircraft, the Secretary of Defense may procure a quantity of F–35 aircraft in excess of the quantity authorized by this Act if such additional procurement does not require additional funds to be authorized to be appropriated because of production efficiencies or other cost reductions.

SEC. 153. CERTIFICATION ON INCLUSION OF TECHNOLOGY TO MINIMIZE PHYSIOLOGICAL EPISODES IN CERTAIN AIRCRAFT.

(a) CERTIFICATION REQUIRED.—Not later than 15 days before entering into a contract for the procurement of a covered aircraft,

the Secretary concerned shall submit to the congressional defense committees a written statement certifying that the aircraft to be procured under the contract will include the most recent technological advancements necessary to minimize the impact of physiological episodes on aircraft crewmembers.

(b) WAIVER.—The Secretary concerned may waive the requirement of subsection (a) if the Secretary—

(1) determines the waiver is required in the interest of national security; and

(2) not later than 15 days before entering into a contract for the procurement of a covered aircraft, notifies the congressional defense committees of the rationale for the waiver.

(c) TERMINATION.—The requirement to submit a certification under subsection (a) shall terminate on September 30, 2021.

(d) DEFINITIONS.—In this section:

(1) The term "covered aircraft" means a fighter aircraft, an attack aircraft, or a fixed wing trainer aircraft.

(2) The term "Secretary concerned" means—

(A) the Secretary of the Navy, with respect to covered aircraft of Navy; and

(B) the Secretary of the Air Force, with respect to covered aircraft of the Air Force.

SEC. 154. ARMORED COMMERCIAL PASSENGER-CARRYING VEHICLES.

(a) IMPLEMENTATION OF GAO RECOMMENDATIONS.—In accordance with the recommendations of the Government Accountability Office in the report titled "Armored Commercial Vehicles: DOD Has Procurement Guidance, but Army Could Take Actions to Enhance Inspections and Oversight" (GAO-17-513), not later than 180 days after the date of the enactment of this Act, the Secretary of Army shall—

(1) ensure that in-progress inspections are conducted at the armoring vendor's facility for each procurement of an armored commercial passenger-carrying vehicles until the date on which the Secretary of Defense approves and implements an updated armoring and inspection standard for such vehicles; and

(2) designate a central point of contact for collecting and reporting information on armored commercial passenger-carrying vehicles (such as information on contracts execution and vehicle inspections).

(b) BRIEFING REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall provide to the congressional defense committees a briefing on the progress of the Secretary in implementing Department of Defense Instruction O–2000.16 Volume 1, dated November 2016, with respect to armored commercial passenger-carrying vehicles, including—

(1) whether criteria for the procurement of such vehicles have been established and distributed to the relevant components of the Department; and

(2) whether a process is in place for ensuring that the relevant components of the Department incorporate those criteria into contracts for such vehicles.

SEC. 155. QUARTERLY UPDATES ON THE F–35 JOINT STRIKE FIGHTER PROGRAM.

(a) IN GENERAL.—Beginning not later than October 1, 2018, and on a quarterly basis thereafter through October 1, 2022, the Under Secretary of Defense for Acquisition and Sustainment shall provide to the congressional defense committees a briefing on the progress of the F–35 Joint Strike Fighter program.

(b) ELEMENTS.—Each briefing under subsection (a) shall include, with respect to the F–35 Joint Strike Fighter program, the following elements:

(1) An overview of the program schedule.

(2) A description of each contract awarded under the program, including a description of the type of contract and the status of the contract.

(3) An assessment of the status of the program with respect to—

(A) modernization;

(B) modification;

(C) testing;

(D) delivery;

(E) sustainment;

(F) program management; and

(G) efforts to ensure that excessive sustainment costs do not threaten the ability of the Department of Defense to purchase the required number of aircraft.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Subtitle A—Authorization of Appropriations

Sec. 201. Authorization of appropriations.

Subtitle B—Program Requirements, Restrictions, and Limitations

Sec. 211. Modification of authority to carry out certain prototype projects.
Sec. 212. Extension of directed energy prototype authority.
Sec. 213. Prohibition on availability of funds for the Weather Common Component program.
Sec. 214. Limitation on availability of funds for F–35 continuous capability development and delivery.
Sec. 215. Limitation on availability of funds pending report on agile software development and software operations.
Sec. 216. Limitation on availability of funds for certain high energy laser advanced technology.
Sec. 217. Plan for the Strategic Capabilities Office of the Department of Defense.
Sec. 218. National Defense Science and Technology Strategy.
Sec. 219. Modification of CVN–73 to support fielding of MQ–25 unmanned aerial vehicle.
Sec. 220. Establishment of innovators information repository in the Department of Defense.
Sec. 221. Strategic plan for Department of Defense test and evaluation resources.
Sec. 222. Collaboration between Defense laboratories, industry, and academia; open campus program.
Sec. 223. Permanent extension and codification of authority to conduct technology protection features activities during research and development of defense systems.
Sec. 224. Codification and reauthorization of Defense Research and Development Rapid Innovation Program.
Sec. 225. Procedures for rapid reaction to emerging technology.
Sec. 226. Activities on identification and development of enhanced personal protective equipment against blast injury.
Sec. 227. Human factors modeling and simulation activities.

Sec. 228. Expansion of mission areas supported by mechanisms for expedited access to technical talent and expertise at academic institutions.
Sec. 229. Advanced manufacturing activities.
Sec. 230. National security innovation activities.
Sec. 231. Partnership intermediaries for promotion of defense research and education.
Sec. 232. Limitation on use of funds for Surface Navy Laser Weapon System.
Sec. 233. Expansion of coordination requirement for support for national security innovation and entrepreneurial education.
Sec. 234. Defense quantum information science and technology research and development program.
Sec. 235. Joint directed energy test activities.
Sec. 236. Requirement for establishment of arrangements for expedited access to technical talent and expertise at academic institutions to support Department of Defense missions.
Sec. 237. Authority for Joint Directed Energy Transition Office to conduct research relating to high powered microwave capabilities.
Sec. 238. Joint artificial intelligence research, development, and transition activities.

Subtitle C—Reports and Other Matters

Sec. 241. Report on survivability of air defense artillery.
Sec. 242. T–45 aircraft physiological episode mitigation actions.
Sec. 243. Report on efforts of the Air Force to mitigate physiological episodes affecting aircraft crewmembers.
Sec. 244. Report on Defense Innovation Unit Experimental.
Sec. 245. Modification of funding criteria under Historically Black Colleges and Universities and minority institutions program.
Sec. 246. Report on OA–X light attack aircraft applicability to partner nation support.
Sec. 247. Reports on comparative capabilities of adversaries in key technology areas.
Sec. 248. Report on active protection systems for armored combat and tactical vehicles.
Sec. 249. Next Generation Combat Vehicle.
Sec. 250. Modification of reports on mechanisms to provide funds to defense laboratories for research and development of technologies for military missions.
Sec. 251. Briefings on Mobile Protected Firepower and Future Vertical Lift programs.
Sec. 252. Improvement of the Air Force supply chain.
Sec. 253. Review of guidance on blast exposure during training.
Sec. 254. Competitive acquisition strategy for Bradley Fighting Vehicle transmission replacement.
Sec. 255. Independent assessment of electronic warfare plans and programs.

Subtitle A—Authorization of Appropriations

SEC. 201. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4201.

Subtitle B—Program Requirements, Restrictions, and Limitations

SEC. 211. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN PROTOTYPE PROJECTS.

Section 2371b of title 10, United States Code, is amended—

(1) in subsection (a)(2)—

(A) in subparagraph (A), in the matter before clause (i), by striking "(for a prototype project)" and inserting "for a prototype project, and any follow-on production contract or transaction that is awarded pursuant to subsection (f),";

(B) in subparagraph (B)—

(i) in the matter before clause (i), by striking "(for a prototype project)" and inserting "for a prototype project, and any follow-on production contract or transaction that is awarded pursuant to subsection (f),"; and

(ii) in clause (i), in the matter before subclause (I), by striking "Under Secretary of Defense for Acquisition, Technology, and Logistics" and inserting "Under Secretary of Defense for Research and Engineering or the Under Secretary of Defense for Acquisition and Sustainment";

(C) in paragraph (3), by striking "Under Secretary of Defense for Acquisition, Technology, and Logistics" and inserting "Under Secretaries of Defense";

(2) in subsection (b)(2), by inserting "the prototype" after "carry out"; and

(3) in subsection (f)—

(A) by redesignating paragraph (3) as paragraph (5); and

(B) by inserting after paragraph (2) the following new paragraphs:

"(3) A follow-on production contract or transaction may be awarded, pursuant to this subsection, when the Department determines that an individual prototype or prototype subproject as part of a consortium is successfully completed by the participants.

"(4) Award of a follow-on production contract or transaction pursuant to the terms under this subsection is not contingent upon the successful completion of all activities within a consortium as a condition for an award for follow-on production of a successfully completed prototype or prototype subproject within that consortium.".

SEC. 212. EXTENSION OF DIRECTED ENERGY PROTOTYPE AUTHORITY.

Section 219(c)(4) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2431 note) is amended—

(1) in subparagraph (A), by striking "Except as provided in subparagraph (B)" and inserting "Except as provided in subparagraph (C)";

(2) by redesignating subparagraph (B) as subparagraph (C);

(3) by inserting after subparagraph (A) the following:

"(B) Except as provided in subparagraph (C) and subject to the availability of appropriations for such purpose, of the funds authorized to be appropriated by the National Defense Authorization Act for Fiscal Year 2019 or otherwise made available for fiscal year 2019 for research, development, test, and evaluation, defense-wide, up to $100,000,000 may be available to the Under Secretary to allocate to the military departments, the defense agencies, and the combatant commands to carry out the program established under paragraph (1)."; and

(4) in subparagraph (C), as so redesignated, by striking "made available under subparagraph (A)" and inserting "made available under subparagraph (A) or subparagraph (B)".

SEC. 213. PROHIBITION ON AVAILABILITY OF FUNDS FOR THE WEATHER COMMON COMPONENT PROGRAM.

(a) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for research, development, test, and evaluation, Air Force, for weather service (PE 0305111F, Project 672738) for product development, test and evaluation, and management services associated with the Weather Common Component program may be obligated or expended.

(b) REPORT REQUIRED.—

(1) IN GENERAL.—The Secretary of the Air force shall submit to the congressional defense committees a report on technologies and capabilities that—

(A) provide real-time or near real-time meteorological situational awareness data through the use of sensors installed on manned and unmanned aircraft; and

(B) were developed primarily using funds of the Department of Defense.

(2) ELEMENTS.—The report under paragraph (1) shall include—

(A) a description of all technologies and capabilities described in paragraph (1) that exist as of the date on which the report is submitted;

(B) a description of any testing activities that have been completed for such technologies and capabilities, and the results of those testing activities;

(C) the total amount of funds used by the Department of Defense for the development of such technologies and capabilities;

(D) a list of capability gaps or shortfalls in any major commands of the Air Force relating to the gathering, processing, exploitation, and dissemination of real-time or near real-time meteorological situational awareness data for unmanned systems;

(E) an explanation of how such gaps or shortfalls may be remedied to supplement the weather forecasting capabilities of the Air Force and to enhance the efficiency or effectiveness of combat air power; and

(F) a plan for fielding existing technologies and capabilities to mitigate such gaps or shortfalls.

SEC. 214. LIMITATION ON AVAILABILITY OF FUNDS FOR F–35 CONTINUOUS CAPABILITY DEVELOPMENT AND DELIVERY.

(a) LIMITATION.—Except as provided in subsection (b), of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the F–35 continuous capability development and delivery program, not more than 75 percent may be obligated or expended until a period of 15 days has elapsed following the date on which the Secretary of Defense submits to the congressional defense committees a detailed cost estimate and baseline schedule for the program, which shall include any information required for a major defense acquisition program under section 2435 of title 10, United States Code.

(b) EXCEPTION.—The limitation in subsection (a) does not apply to any funds authorized to be appropriated or otherwise made avail-

able for the development of the F–35 dual capable aircraft capability.

SEC. 215. LIMITATION ON AVAILABILITY OF FUNDS PENDING REPORT ON AGILE SOFTWARE DEVELOPMENT AND SOFTWARE OPERATIONS.

(a) LIMITATION.—Of the of funds described in subsection (d), not more than 80 percent may be obligated or expended until a period of 30 days has elapsed following the date on which the Secretary of the Air Force submits the report required under subsection (b).

(b) REPORT.—Not later than 60 days after the date of the enactment of this Act, the Secretary of the Air Force, in consultation with the Director of Defense Pricing/Defense Procurement and Acquisition Policy and the Director of the Defense Digital Service, shall submit to the congressional defense committees a report that includes a description of each of the following:

(1) How cost estimates in support of modernization and upgrade activities for Air and Space Operations Centers are being conducted and using what methods.

(2) The contracting strategy and types of contracts being used to execute Agile Software Development and Software Operations (referred to in this section as "Agile DevOps") activities.

(3) How intellectual property ownership issues associated with software applications developed with Agile DevOps processes will be addressed to ensure future sustainment, maintenance, and upgrades to software applications after the applications are fielded.

(4) A description of the tools and software applications that have been developed for the Air and Space Operations Centers and the costs and cost categories associated with each.

(5) Challenges the Air Force has faced in executing acquisition activities modernizing the Air and Space Operations Centers and how the Air Force plans to address the challenges identified.

(6) The Secretary's strategy for ensuring that software applications developed for Air Operations Centers are transportable and translatable among all the Centers to avoid any duplication of efforts.

(c) REVIEW.—Before submitting the report under subsection (b), the Secretary of the Air Force shall ensure that the report is reviewed and approved by the Director of Defense Pricing/Defense Procurement and Acquisition Policy.

(d) FUNDS DESCRIBED.—The funds described in this subsection are the following:

(1) Funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for research, development, test, and evaluation, Air Force, for Air and Space Operations Centers (PE 0207410F, Project 674596).

(2) Funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for other procurement, Air Force, for Air and Space Operations Centers.

SEC. 216. LIMITATION ON AVAILABILITY OF FUNDS FOR CERTAIN HIGH ENERGY LASER ADVANCED TECHNOLOGY.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the De-

partment of Defense for High Energy Laser Advanced Technology (PE 0603924D8Z), not more than 50 percent may be obligated or expended until the date on which the Secretary of Defense submits to the congressional defense committees a roadmap and detailed assessment of the high energy laser programs of the Department of Defense, which shall include plans for coordination across the Department and transition to programs of record.

(b) RULE OF CONSTRUCTION.—The limitation in subsection (a) shall not be construed to apply to any other high energy laser program of the Department of Defense other than the program element specified in such subsection.

SEC. 217. PLAN FOR THE STRATEGIC CAPABILITIES OFFICE OF THE DEPARTMENT OF DEFENSE.

(a) PLAN REQUIRED.—Not later than March 1, 2019, the Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, shall submit to the congressional defense committees a plan—

(1) to eliminate the Strategic Capabilities Office of the Department of Defense by not later than October 1, 2020;

(2) to transfer the functions of the Strategic Capabilities Office to another organization or element of the Department by not later than October 1, 2020; or

(3) to retain the Strategic Capabilities Office.

(b) ELEMENTS.—The plan required under subsection (a) shall include the following:

(1) A timeline for the potential elimination, transfer, or retention of some or all of the activities, functions, programs, plans, and resources of the Strategic Capabilities Office.

(2) A strategy for mitigating risk to the programs of the Strategic Capabilities Office.

(3) A strategy for implementing the lessons learned and best practices of the Strategic Capabilities Office across the organizations and elements of the Department of Defense to promote enterprise-wide innovation.

(4) An assessment of the transition outcomes, research portfolio, and mission accomplishment in the key functions of the Strategic Capabilities Office described in subsection (c).

(5) An assessment of the relationship of the Strategic Capabilities Office with—

(A) the acquisition and rapid capabilities programs of the military departments;

(B) Department laboratories;

(C) the Defense Advanced Research Projects Agency; and

(D) other research and development activities.

(6) Assessment of management and bureaucratic challenges to the effective and efficient execution of the Strategic Capabilities Office missions, especially with respect to contracting and personnel management.

(c) KEY FUNCTIONS DESCRIBED.—The key functions described in this subsection are the following:

(1) Repurposing existing Government and commercial systems for new technological advantage.

(2) Developing novel concepts of operation that are lower cost, more effective, and more responsive to changing threats than traditional concepts of operation.

(3) Developing joint systems and concepts of operations to meet emerging threats and military requirements based on partnerships with the military departments and combatant commanders.

(4) Developing prototypes and new concepts of operations that can inform the development of requirements and the establishment of acquisition programs.

(d) FORM OF PLAN.—The plan required under subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 218. NATIONAL DEFENSE SCIENCE AND TECHNOLOGY STRATEGY.

(a) ANNUAL STRATEGY.—

(1) IN GENERAL.—Not later than February 4, 2019, the Secretary of Defense shall develop a strategy—

(A) to articulate the science and technology priorities, goals, and investments of the Department of Defense; and

(B) to make recommendations on the future of the defense research and engineering enterprise and its continued success in an era of strategic competition.

(2) ELEMENTS.—The strategy required by paragraph (1) shall—

(A) be aligned with the National Defense Strategy and Governmentwide strategic science and technology priorities, including the defense budget priorities of the Office of Science and Technology Policy of the President;

(B) link the priorities, goals, and outcomes in paragraph (1)(A) with needed critical enablers to specific programs, or broader portfolios, including—

(i) personnel and workforce capabilities;

(ii) facilities for research and test infrastructure;

(iii) relationships with academia, the acquisition community, the operational community, and the commercial sector; and

(iv) funding, investments, personnel, facilities, and relationships with departments, agencies, or other Federal entities outside the Department of Defense without which defense capabilities would be severely degraded;

(C) evaluate the coordination of acquisition priorities, programs, and timelines of the Department with the activities of the defense research and engineering enterprise; and

(D) include recommendations for changes in authorities, regulations, policies, or any other relevant areas, that would support the achievement of the goals set forth in the strategy.

(3) ANNUAL UPDATES.—Not less frequently than once each year, the Secretary shall revise and update the strategy required by paragraph (1).

(4) ANNUAL REPORTS.—(A) Not later than February 4, 2019, and not less frequently than once each year thereafter through December 31, 2021, the Secretary shall submit to the congressional defense committees the strategy required by para-

graph (1), as may be revised and updated in accordance with paragraph (3).

(B) The reports submitted pursuant to subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

(5) BRIEFING.—Not later than 14 days after the date on which the strategy under paragraph (1) is completed, the Secretary shall provide to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives a briefing on the implementation of the strategy.

(6) DESIGNATION.—The strategy developed under paragraph (1) shall be known as the "National Defense Science and Technology Strategy".

(b) ASSESSMENT AND RECOMMENDATIONS.—

(1) IN GENERAL.—Not later than February 4, 2019, the Secretary shall submit to the congressional defense committees a report with an assessment and recommendations on the future of major elements of the defense research and engineering enterprise, evaluating warfighting contributions, portfolio management and coordination, workforce management including special hiring authorities, facilities and test infrastructure, relationships with private sector and interagency partners, and governance, including a comparison with the enterprises of other countries and the private sector.

(2) MAJOR ELEMENTS OF THE DEFENSE RESEARCH AND ENGINEERING ENTERPRISE.—The major elements of the defense research and engineering enterprise referred to in paragraph (1) include the following:

(A) The science and technology elements of the military departments.

(B) The Department of Defense laboratories.

(C) The test ranges and facilities of the Department.

(D) The Defense Advanced Research Projects Agency (DARPA).

(E) The Defense Innovation Unit Experimental (DIU(x)).

(F) The Strategic Capabilities Office of the Department.

(G) The Small Business Innovation Research program of the Department.

(H) The Small Business Technology Transfer program of the Department.

(I) Such other elements, offices, programs, and activities of the Department as the Secretary considers appropriate for purposes of the this section.

(3) CONSULTATION AND COMMENTS.—In making recommendations under paragraph (1), the Secretary shall consult with and seek comments from groups and entities relevant to the recommendations, such as the military departments, the combatant commands, the federally funded research and development centers (FFRDCs), commercial partners of the Department (including small business concerns), or any advisory committee established by the Department that the Secretary determines is appropriate based on the duties of the advisory committee and the expertise of its members.

(4) FORM OF SUBMISSION.—The report submitted pursuant to paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 219. MODIFICATION OF CVN–73 TO SUPPORT FIELDING OF MQ–25 UNMANNED AERIAL VEHICLE.

The Secretary of the Navy shall—

(1) modify the compartments and infrastructure of the aircraft carrier designated CVN–73 to support the fielding of the MQ–25 unmanned aerial vehicle before the date on which the refueling and complex overhaul of the aircraft carrier is completed; and

(2) ensure such modification is sufficient to complete the full installation of MQ–25 in no more than a single maintenance period after such overhaul.

SEC. 220. ESTABLISHMENT OF INNOVATORS INFORMATION REPOSITORY IN THE DEPARTMENT OF DEFENSE.

(a) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall, acting through the Defense Technical Information Center, establish an innovators information repository within the Department of Defense in accordance with this section.

(b) MAINTENANCE OF INFORMATION REPOSITORY.—The Under Secretary of Defense for Research and Engineering shall maintain the information repository and ensure that it is periodically updated.

(c) ELEMENTS OF INFORMATION REPOSITORY.—The information repository established under subsection (a) shall—

(1) be coordinated across the Department of Defense enterprise to focus on small business innovators that are small, independent United States businesses, including those participating in the Small Business Innovation Research program or the Small Business Technology Transfer program;

(2) include appropriate information about each participant, including a description of—

(A) the need or requirement applicable to the participant;

(B) the participant's technology with appropriate technical detail and appropriate protections of proprietary information or data;

(C) any prior business of the participant with the Department; and

(D) whether the participant's technology was incorporated into a program of record; and

(3) incorporate the appropriate classification due to compilation of information.

(d) USE OF INFORMATION REPOSITORY.—After the information repository is established under subsection (a), the Secretary shall encourage use of the information repository by Department organizations involved in technology development and protection, including program offices, before initiating a Request for Information or a Request for Proposal to determine whether an organic technology exists or is being developed currently by a an entity supported by the Department (which may include a company, academic consortium, or other entity).

SEC. 221. STRATEGIC PLAN FOR DEPARTMENT OF DEFENSE TEST AND EVALUATION RESOURCES.

Section 196(d) of title 10, United States Code, is amended—

(1) by amending paragraph (1) to read as follows: "(1) Not less often than once every two fiscal years, the Under Secretary of Defense for Research and Engineering, in coordination with the Director of the Department of Defense Test Resources Management Center, the Director of Operational Test and Evaluation, the Director of the Defense Intelligence Agency, the Secretaries of the military departments, and the heads of Defense Agencies with test and evaluation responsibilities, shall complete a strategic plan reflecting the future needs of the Department of Defense with respect to test and evaluation facilities and resources. Each strategic plan shall cover the period of thirty fiscal years beginning with the fiscal year in which the plan is submitted under paragraph (3). The strategic plan shall be based on a comprehensive review of both funded and unfunded test and evaluation requirements of the Department, future threats to national security, and the adequacy of the test and evaluation facilities and resources of the Department to meet those future requirements and threats."; and

(2) in paragraph (2)(C), by striking "needed to meet such requirements" and inserting "needed to meet current and future requirements based on current and emerging threats".

SEC. 222. COLLABORATION BETWEEN DEFENSE LABORATORIES, INDUSTRY, AND ACADEMIA; OPEN CAMPUS PROGRAM.

(a) COLLABORATION.—The Secretary of Defense may carry out activities to prioritize innovative collaboration between Department of Defense science and technology reinvention laboratories, industry, and academia.

(b) OPEN CAMPUS PROGRAM.—In carrying out subsection (a), the Secretary, acting through the Commander of the Air Force Research Laboratory, the Commander of the Army Research, Development and Engineering Command, and the Chief of Naval Research, or such other officials of the Department as the Secretary considers appropriate, may develop and implement an open campus program for the Department science and technology reinvention laboratories which shall be modeled after the open campus program of the Army Research Laboratory.

SEC. 223. PERMANENT EXTENSION AND CODIFICATION OF AUTHORITY TO CONDUCT TECHNOLOGY PROTECTION FEATURES ACTIVITIES DURING RESEARCH AND DEVELOPMENT OF DEFENSE SYSTEMS.

(a) IN GENERAL.—Chapter 139 of title 10, United States Code, is amended by inserting before section 2358 the following new section:

"§ 2357. Technology protection features activities

"(a) ACTIVITIES.—The Secretary of Defense shall carry out activities to develop and incorporate technology protection features in a designated system during the research and development phase of such system.

"(b) COST-SHARING.—Any contract for the design or development of a system resulting from activities under subsection (a) for the purpose of enhancing or enabling the exportability of the system, ei-

ther for the development of program protection strategies for the system or the design and incorporation of exportability features into the system, shall include a cost-sharing provision that requires the contractor to bear half of the cost of such activities, or such other portion of such cost as the Secretary considers appropriate upon showing of good cause.

"(c) DEFINITIONS.—In this section:

"(1) The term 'designated system' means any system (including a major system, as defined in section 2302(5) of title 10, United States Code) that the Under Secretary of Defense for Acquisition and Sustainment designates for purposes of this section.

"(2) The term 'technology protection features' means the technical modifications necessary to protect critical program information, including anti-tamper technologies and other systems engineering activities intended to prevent or delay exploitation of critical technologies in a designated system.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 139 of title 10, United States Code, is amended by inserting before the item relating to section 2358 the following new item:

"2357. Technology protection features activities.".

(c) CONFORMING REPEAL.—Section 243 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (10 U.S.C. 2358 note) is repealed.

SEC. 224. CODIFICATION AND REAUTHORIZATION OF DEFENSE RESEARCH AND DEVELOPMENT RAPID INNOVATION PROGRAM.

(a) CODIFICATION.—

(1) IN GENERAL.—Chapter 139 of title 10, United States Code, is amended by inserting after section 2359 the following new section:

"§ 2359a. Defense Research and Development Rapid Innovation Program

"(a) PROGRAM ESTABLISHED.—(1) The Secretary of Defense shall establish a competitive, merit-based program to accelerate the fielding of technologies developed pursuant to phase II Small Business Innovation Research Program projects, technologies developed by the defense laboratories, and other innovative technologies (including dual use technologies).

"(2) The purpose of this program is to stimulate innovative technologies and reduce acquisition or lifecycle costs, address technical risks, improve the timeliness and thoroughness of test and evaluation outcomes, and rapidly insert such products directly in support of primarily major defense acquisition programs, but also other defense acquisition programs that meet critical national security needs.

"(b) GUIDELINES.—The Secretary shall issue guidelines for the operation of the program. At a minimum such guidance shall provide for the following:

"(1) The issuance of one or more broad agency announcements or the use of any other competitive or merit-based processes by the Department of Defense for candidate proposals in

support of defense acquisition programs as described in subsection (a).

"(2) The review of candidate proposals by the Department of Defense and by each military department and the merit-based selection of the most promising cost-effective proposals for funding through contracts, cooperative agreements, and other transactions for the purposes of carrying out the program.

"(3) The total amount of funding provided to any project under the program from funding provided under subsection (d) shall not exceed $3,000,000, unless the Secretary, or the Secretary's designee, approves a larger amount of funding for the project.

"(4) No project shall receive more than a total of two years of funding under the program from funding provided under subsection (d), unless the Secretary, or the Secretary's designee, approves funding for any additional year.

"(5) Mechanisms to facilitate transition of follow-on or current projects carried out under the program into defense acquisition programs, through the use of the authorities of section 2302e of this title or such other authorities as may be appropriate to conduct further testing, low rate production, or full rate production of technologies developed under the program.

"(6) Projects are selected using merit-based selection procedures and the selection of projects is not subject to undue influence by Congress or other Federal agencies.

"(c) TREATMENT PURSUANT TO CERTAIN CONGRESSIONAL RULES.—Nothing in this section shall be interpreted to require or enable any official of the Department of Defense to provide funding under this section to any earmark as defined pursuant to House Rule XXI, clause 9, or any congressionally directed spending item as defined pursuant to Senate Rule XLIV, paragraph 5.

"(d) FUNDING.—Subject to the availability of appropriations for such purpose, the amounts authorized to be appropriated for research, development, test, and evaluation for a fiscal year may be used for such fiscal year for the program established under subsection (a).

"(e) TRANSFER AUTHORITY.—(1) The Secretary may transfer funds available for the program to the research, development, test, and evaluation accounts of a military department, defense agency, or the unified combatant command for special operations forces pursuant to a proposal, or any part of a proposal, that the Secretary determines would directly support the purposes of the program.

"(2) The transfer authority provided in this subsection is in addition to any other transfer authority available to the Department of Defense.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 139 of such title is amended by inserting after the item relating to section 2359 the following new item:

"2359a. Defense Research and Development Rapid Innovation Program.".

(b) CONFORMING AMENDMENTS.—

(1) REPEAL OF OLD PROVISION.—Section 1073 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2359 note) is hereby repealed.

(2) REPEAL OF OLD TABLE OF CONTENTS ITEM.—The table of contents in section 2(b) of such Act is amended by striking the item relating to section 1073.

SEC. 225. PROCEDURES FOR RAPID REACTION TO EMERGING TECHNOLOGY.

(a) REQUIREMENT TO ESTABLISH PROCEDURES.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Research and Engineering shall prescribe procedures for the designation and development of technologies that are—

(1) urgently needed—

(A) to react to a technological development of an adversary of the United States; or

(B) to respond to a significant and urgent emerging technology; and

(2) not receiving appropriate research funding or attention from the Department of Defense.

(b) ELEMENTS.—The procedures prescribed under subsection (a) shall include the following:

(1) A process for streamlined communications between the Under Secretary, the Joint Chiefs of Staff, the commanders of the combatant commands, the science and technology executives within each military department, and the science and technology community, including—

(A) a process for the commanders of the combatant commands and the Joint Chiefs of Staff to communicate their needs to the science and technology community; and

(B) a process for the science and technology community to propose technologies that meet the needs communicated by the combatant commands and the Joint Chiefs of Staff.

(2) Procedures for the development of technologies proposed pursuant to paragraph (1)(B), including—

(A) a process for demonstrating performance of the proposed technologies on a short timeline;

(B) a process for developing a development strategy for a technology, including integration into future budget years; and

(C) a process for making investment determinations based on information obtained pursuant to subparagraphs (A) and (B).

(c) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary shall provide to the congressional defense committees a briefing on the procedures required by subsection (a).

SEC. 226. ACTIVITIES ON IDENTIFICATION AND DEVELOPMENT OF ENHANCED PERSONAL PROTECTIVE EQUIPMENT AGAINST BLAST INJURY.

(a) ACTIVITIES REQUIRED.—During calendar year 2019, the Secretary of the Army shall, in consultation with the Director of Operational Test and Evaluation, carry out a set of activities to identify and develop personal equipment to provide enhanced protection against injuries caused by blasts in combat and training.

(b) ACTIVITIES.—

(1) CONTINUOUS EVALUATION PROCESS.—For purposes of the activities required by subsection (a), the Secretary shall es-

tablish a process to continuously solicit from government, industry, academia, and other appropriate entities personal protective equipment that is ready for testing and evaluation in order to identify and evaluate equipment or clothing that is more effective in protecting members of the Armed Forces from the harmful effects of blast injuries, including traumatic brain injuries, and would be suitable for expedited procurement and fielding.

(2) GOALS.—The goals of the activities shall include:

(A) Development of streamlined requirements for procurement of personal protective equipment.

(B) Appropriate testing of personal protective equipment prior to procurement and fielding.

(C) Development of expedited mechanisms for deployment of effective personal protective equipment.

(D) Identification of areas of research in which increased investment has the potential to improve the quality of personal protective equipment and the capability of the industrial base to produce such equipment.

(E) Such other goals as the Secretary considers appropriate.

(3) PARTNERSHIPS FOR CERTAIN ASSESSMENTS.—As part of the activities, the Secretary should continue to establish partnerships with appropriate academic institutions for purposes of assessing the following:

(A) The ability of various forms of personal protective equipment to protect against common blast injuries, including traumatic brain injuries.

(B) The value of real-time data analytics to track the effectiveness of various forms of personal protective equipment to protect against common blast injuries, including traumatic brain injuries.

(C) The availability of commercial-off the-shelf personal protective technology to protect against traumatic brain injury resulting from blasts.

(D) The extent to which the equipment determined through the assessment to be most effective to protect against common blast injuries is readily modifiable for different body types and to provide lightweight material options to enhance maneuverability.

(c) AUTHORITIES.—In carrying out activities under subsection (a), the Secretary may use any authority as follows:

(1) Experimental procurement authority under section 2373 of title 10, United States Code.

(2) Other transactions authority under section 2371 and 2371b of title 10, United States Code.

(3) Authority to award technology prizes under section 2374a of title 10, United States Code.

(4) Authority under the Defense Acquisition Challenge Program under section 2359b of title 10, United States Code.

(5) Any other authority on acquisition, technology transfer, and personnel management that the Secretary considers appropriate.

(d) CERTAIN TREATMENT OF ACTIVITIES.—Any activities under this section shall be deemed to have been through the use of com-

petitive procedures for the purposes of section 2304 of title 10, United States Code.

(e) ON-GOING ASSESSMENT FOLLOWING ACTIVITIES.—After the completion of activities under subsection (a), the Secretary shall, on an on-going basis, do the following:

(1) Evaluate the extent to which personal protective equipment identified through the activities would—

(A) enhance survivability of personnel from blasts in combat and training; and

(B) enhance prevention of brain damage, and reduction of any resultant chronic brain dysfunction, from blasts in combat and training.

(2) In the case of personal protective equipment so identified that would provide enhancements as described in paragraph (1), estimate the costs that would be incurred to procure such enhanced personal protective equipment, and develop a schedule for the procurement of such equipment.

(3) Estimate the potential health care cost savings that would occur from expanded use of personal protective equipment described in paragraph (2).

(f) REPORT.—Not later than December 1, 2019, the Secretary shall submit to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives a report on the activities under subsection (a) as of the date of the report.

(g) FUNDING.—Of the amount authorized to be appropriated for fiscal year 2019 by this Act for research, development, test, and evaluation, as specified in the funding tables in division D, $10,000,000 may be used to carry out this section.

SEC. 227. HUMAN FACTORS MODELING AND SIMULATION ACTIVITIES.

(a) ACTIVITIES REQUIRED.—The Secretary of Defense shall develop and provide for the carrying out of human factors modeling and simulation activities designed to do the following:

(1) Provide warfighters and civilians with personalized assessment, education, and training tools.

(2) Identify and implement effective ways to interface and team warfighters with machines.

(3) Result in the use of intelligent, adaptive augmentation to enhance decision making.

(4) Result in the development of techniques, technologies, and practices to mitigate critical stressors that impede warfighter and civilian protection, sustainment, and performance.

(b) PURPOSE.—The overall purpose of the activities shall be to accelerate research and development that enhances capabilities for human performance, human-systems integration, and training for the warfighter.

(c) PARTICIPANTS IN ACTIVITIES.—Participants in the activities may include the following:

(1) Elements of the Department of Defense engaged in science and technology activities.

(2) Program Executive Offices of the Department.

(3) Academia.

(4) The private sector.

(5) Such other participants as the Secretary considers appropriate.

SEC. 228. EXPANSION OF MISSION AREAS SUPPORTED BY MECHANISMS FOR EXPEDITED ACCESS TO TECHNICAL TALENT AND EXPERTISE AT ACADEMIC INSTITUTIONS.

Section 217(e) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2358 note) is amended—

(1) by redesignating paragraph (23) as paragraph (27); and

(2) by inserting after paragraph (22) the following new paragraphs:

"(23) Space.

"(24) Infrastructure resilience.

"(25) Photonics.

"(26) Autonomy.".

SEC. 229. ADVANCED MANUFACTURING ACTIVITIES.

(a) DESIGNATION.—The Under Secretary of Defense for Acquisition and Sustainment and the Under Secretary of Defense for Research and Engineering shall jointly, in coordination with Secretaries of the military departments, establish at least one activity per military service to demonstrate advanced manufacturing techniques and capabilities at depot-level activities or military arsenal facilities of the military departments.

(b) PURPOSES.—The activities established pursuant to subsection (a) shall—

(1) support efforts to implement advanced manufacturing techniques and capabilities;

(2) identify improvements to sustainment methods for component parts and other logistics needs;

(3) identify and implement appropriate information security protections to ensure security of advanced manufacturing;

(4) aid in the procurement of advanced manufacturing equipment and support services;

(5) enhance partnerships between the defense industrial base and Department of Defense laboratories, academic institutions, and industry; and

(6) to the degree practicable, include an educational or training component to build an advanced manufacturing workforce.

(c) COOPERATIVE AGREEMENTS AND PARTNERSHIPS.—

(1) IN GENERAL.—The Under Secretaries may enter into a cooperative agreement and use public-private and public-public partnerships to facilitate development of advanced manufacturing techniques in support of the defense industrial base.

(2) REQUIREMENTS.—A cooperative agreement entered into under paragraph (1) and a partnership used under such paragraph shall facilitate—

(A) development and implementation of advanced manufacturing techniques and capabilities;

(B) appropriate sharing of information in the adaptation of advanced manufacturing, including technical data rights;

(C) implementation of appropriate information security protections into advanced manufacturing tools and techniques; and

(D) support of necessary workforce development.

(d) AUTHORITIES.—In carrying out this section, the Under Secretaries may use the following authorities:

(1) Section 2196 of title 10, United States Code, relating to the Manufacturing Engineering Education Program.

(2) Section 2368 of such title, relating to centers for science, technology, and engineering partnership.

(3) Section 2374a of such title, relating to prizes for advanced technology achievements.

(4) Section 2474 of such title, relating to centers of industrial and technical excellence.

(5) Section 2521 of such title, relating to the Manufacturing Technology Program.

(6) Section 12 of the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3710a) and section 6305 of title 31, United States Code, relating to cooperative research and development agreements.

(7) Such other authorities as the Under Secretaries considers appropriate.

SEC. 230. NATIONAL SECURITY INNOVATION ACTIVITIES.

(a) ESTABLISHMENT.—The Under Secretary of Defense for Research and Engineering shall establish activities to develop interaction between the Department of Defense and the commercial technology industry and academia with regard to emerging hardware products and technologies with national security applications.

(b) ELEMENTS.—The activities required by subsection (a) shall include the following:

(1) Informing and encouraging private investment in specific hardware technologies of interest to future defense technology needs with unique national security applications.

(2) Funding research and technology development in hardware-intensive capabilities that private industry has not sufficiently supported to meet rapidly emerging defense and national security needs.

(3) Contributing to the development of policies, policy implementation, and actions to deter strategic acquisition of industrial and technical capabilities in the private sector by foreign entities that could potentially exclude companies from participating in the Department of Defense technology and industrial base.

(4) Identifying promising emerging technology in industry and academia for the Department of Defense for potential support or research and development cooperation.

(c) TRANSFER OF PERSONNEL AND RESOURCES.—

(1) IN GENERAL.—Subject to paragraph (2), the Under Secretary may transfer such personnel, resources, and authorities that are under the control of the Under Secretary as the Under Secretary considers appropriate to carry out the activities established under subsection (a) from other elements of the Department under the control of the Under Secretary or upon approval of the Secretary of Defense.

(2) CERTIFICATION.—The Under Secretary may only make a transfer of personnel, resources, or authorities under paragraph (1) upon certification by the Under Secretary that the activities established under paragraph (a) can attract sufficient private

sector investment, has personnel with sufficient technical and management expertise, and has identified relevant technologies and systems for potential investment in order to carry out the activities established under subsection (a), independent of further government funding beyond this authorization.

(d) ESTABLISHMENT OF NONPROFIT ENTITY.—The Under Secretary may establish or fund a nonprofit entity to carry out the program activities under subsection (a).

(e) PLAN.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Under Secretary shall submit to the congressional defense committees a detailed plan to carry out this section.

(2) ELEMENTS.—The plan required by paragraph (1) shall include the following:

(A) A description of the additional authorities needed to carry out the activities set forth in subsection (b).

(B) Plans for transfers under subsection (c), including plans for private fund-matching and investment mechanisms, oversight, treatment of rights relating to technical data developed, and relevant dates and goals of such transfers.

(C) Plans for attracting the participation of the commercial technology industry and academia and how those plans fit into the current Department of Defense research and engineering enterprise.

(f) AUTHORITIES.—In carrying out this section, the Under Secretary may use the following authorities:

(1) Section 1711 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), relating to a pilot program on strengthening manufacturing in the defense industrial base.

(2) Section 1599g of title 10 of the United States Code, relating to public-private talent exchanges.

(3) Section 2368 of such title, relating to Centers for Science, Technology, and Engineering Partnerships.

(4) Section 2374a of such title, relating to prizes for advanced technology achievements.

(5) Section 2474 of such title, relating to Centers of Industrial and Technical Excellence.

(6) Section 2521 of such title, relating to the Manufacturing Technology Program.

(7) Subchapter VI of chapter 33 of title 5, United States Code, relating to assignments to and from States.

(8) Chapter 47 of such title, relating to personnel research programs and demonstration projects.

(9) Section 12 of the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3710a) and section 6305 of title 31, United States Code, relating to cooperative research and development agreements.

(10) Such other authorities as the Under Secretary considers appropriate.

(g) NOTICE REQUIRED.—Not later than 15 days before the date on which the Under Secretary first exercises the authority granted under subsection (d) and not later than 15 days before the date on

which the Under Secretary first obligates or expends any amount authorized under subsection (h), the Under Secretary shall notify the congressional defense committees of such exercise, obligation, or expenditure, as the case may be.

(h) FUNDING.—Of the amount authorized to be appropriated for fiscal year 2019 for the Department of Defense by section 201 and subject to the availability of appropriations, up to $75,000,000 may be available to carry out this section.

SEC. 231. PARTNERSHIP INTERMEDIARIES FOR PROMOTION OF DEFENSE RESEARCH AND EDUCATION.

Section 2368 of title 10, United States Code, is amended—

(1) by redesignating subsections (f) and (g) as subsections (g) and (h), respectively; and

(2) by inserting after subsection (e) the following new subsection (f):

"(f) USE OF PARTNERSHIP INTERMEDIARIES TO PROMOTE DEFENSE RESEARCH AND EDUCATION.—(1) Subject to the approval of the Secretary or the head of the another department or agency of the Federal Government concerned, the Director of a Center may enter into a contract, memorandum of understanding or other transition with a partnership intermediary that provides for the partnership intermediary to perform services for the Department of Defense that increase the likelihood of success in the conduct of cooperative or joint activities of the Center with industry or academic institutions.

"(2) In this subsection, the term 'partnership intermediary' means an agency of a State or local government, or a nonprofit entity owned in whole or in part by, chartered by, funded in whole or in part by, or operated in whole or in part by or on behalf of a State or local government, that assists, counsels, advises, evaluates, or otherwise cooperates with industry or academic institutions that need or can make demonstrably productive use of technology-related assistance from a Center.".

SEC. 232. LIMITATION ON USE OF FUNDS FOR SURFACE NAVY LASER WEAPON SYSTEM.

(a) LIMITATION.—None of the funds authorized to be appropriated or otherwise made available by this Act may be used to exceed, in fiscal year 2019, a procurement quantity of one Surface Navy Laser Weapon System, also known as the High Energy Laser and Integrated Optical-dazzler with Surveillance (HELIOS), unless the Secretary of the Navy submits to the congressional defense committees a report on such system with the elements set forth in subsection (b).

(b) ELEMENTS.—The elements set forth in this subsection are, with respect to the system described in subsection (a), the following:

(1) A document setting forth the requirements for the system, including desired performance characteristics.

(2) An acquisition plan that includes the following:

(A) A program schedule to accomplish design completion, technology maturation, risk reduction, and other activities, including dates of key design reviews (such as Preliminary Design Review and Critical Design Review) and program initiation decision (such as Milestone B) if applicable.

(B) A contracting strategy, including requests for proposals, the extent to which contracts will be competitively

awarded, option years, option quantities, option prices, and ceiling prices.

(C) The fiscal years of procurement and delivery for each engineering development model, prototype, or similar unit planned to be acquired.

(D) A justification for the fiscal years of procurement and delivery for each engineering development model, prototype, or similar unit planned to be acquired.

(3) A test plan and schedule sufficient to achieve operational effectiveness and operational suitability determinations (such as Early Operational Capability and Initial Operational Capability) related to the requirements set forth in paragraph (1).

(4) Associated funding and item quantities, disaggregated by fiscal year and appropriation, requested in the Fiscal Year 2019 Future Years Defense Program.

(5) An estimate of the acquisition costs, including the total costs for procurement, research, development, test, and evaluation.

SEC. 233. EXPANSION OF COORDINATION REQUIREMENT FOR SUPPORT FOR NATIONAL SECURITY INNOVATION AND ENTREPRENEURIAL EDUCATION.

Section 225(e) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2359 note) is amended by adding at the end the following new paragraphs:

"(16) The National Security Technology Accelerator.

"(17) The I-Corps Program.".

SEC. 234. DEFENSE QUANTUM INFORMATION SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM.

(a) ESTABLISHMENT.—The Secretary of Defense shall carry out a quantum information science and technology research and development program.

(b) PURPOSES.—The purposes of the program required by subsection (a) are as follows:

(1) To ensure global superiority of the United States in quantum information science necessary for meeting national security requirements.

(2) To coordinate all quantum information science and technology research and development within the Department of Defense and to provide for interagency cooperation and collaboration on quantum information science and technology research and development between the Department of Defense and other departments and agencies of the United States and appropriate private sector entities that are involved in quantum information science and technology research and development.

(3) To develop and manage a portfolio of fundamental and applied quantum information science and technology and engineering research initiatives that is stable, consistent, and balanced across scientific disciplines.

(4) To accelerate the transition and deployment of technologies and concepts derived from quantum information science and technology research and development into the Armed Forces, and to establish policies, procedures, and standards for measuring the success of such efforts.

(5) To collect, synthesize, and disseminate critical information on quantum information science and technology research and development.

(6) To establish and support appropriate research, innovation, and industrial base, including facilities and infrastructure, to support the needs of Department of Defense missions and systems related to quantum information science and technology.

(c) ADMINISTRATION.—In carrying out the program required by subsection (a), the Secretary shall act through the Under Secretary of Defense for Research and Engineering, who shall supervise the planning, management, and coordination of the program. The Under Secretary, in consultation with the Secretaries of the military departments and the heads of participating Defense Agencies and other departments and agencies of the United States, shall—

(1) prescribe a set of long-term challenges and a set of specific technical goals for the program, including—

(A) optimization of analysis of national security data sets;

(B) development of defense related quantum computing algorithms;

(C) design of new materials and molecular functions;

(D) secure communications and cryptography, including development of quantum communications protocols;

(E) quantum sensing and metrology;

(F) development of mathematics relating to quantum enhancements to sensing, communications, and computing; and

(G) processing and manufacturing of low-cost, robust, and reliable quantum information science and technology-enabled devices and systems;

(2) develop a coordinated and integrated research and investment plan for meeting the near-, mid-, and long-term challenges with definitive milestones while achieving the specific technical goals that builds upon the Department's increased investment in quantum information science and technology research and development, commercial sector and global investments, and other United States Government investments in the quantum sciences;

(3) not later than 180 days after the date of the enactment of this Act, develop and continuously update guidance, including classification and data management plans for defense-related quantum information science and technology activities, and policies for control of personnel participating on such activities to minimize the effects of loss of intellectual property in basic and applied quantum science and information considered sensitive to the leadership of the United States in the field of quantum information science and technology; and

(4) develop memoranda of agreement, joint funding agreements, and other cooperative arrangements necessary for meeting the long-term challenges and achieving the specific technical goals.

(d) REPORT.—

(1) IN GENERAL.—Not later than December 31, 2020, the Secretary shall submit to the congressional defense committees

a report on the program, in both classified and unclassified format.

(2) ELEMENTS.—The report required by paragraph (1) shall include the following:

(A) A description of the knowledge-base of the Department with respect to quantum sciences, plans to defend against quantum based attacks, and any plans of the Secretary to enhance such knowledge-base.

(B) A plan that describes how the Secretary intends to use quantum sciences for military applications and to meet other needs of the Department.

(C) An assessment of the efforts of foreign powers to use quantum sciences for military applications and other purposes.

(D) A description of activities undertaken consistent with this section, including funding for activities consistent with the section.

(E) Such other matters as the Secretary considers appropriate.

SEC. 235. JOINT DIRECTED ENERGY TEST ACTIVITIES.

(a) TEST ACTIVITIES.—The Under Secretary of Defense for Research and Engineering shall, in the Under Secretary's capacity as the official with principal responsibility for the development and demonstration of directed energy weapons for the Department of Defense pursuant to section 219(a)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2431 note), develop, establish, and coordinate directed energy testing activities adequate to ensure the achievement by the Department of Defense of goals of the Department for developing and deploying directed energy systems to match national security needs.

(b) ELEMENTS.—The activity established under subsection (a) shall include the following:

(1) The High Energy Laser System Test Facility of the Army Test and Evaluation Command.

(2) Such other test resources and activities as the Under Secretary may designate for purposes of this section.

(c) DESIGNATION.—The test activities established under subsection (a) shall be considered part of the Major Range and Test Facility Base (as defined in 196(i) of title 10, United States Code).

(d) PRIORITIZATION OF EFFORT.—In developing and coordinating testing activities pursuant to subsection (a), the Under Secretary shall prioritize efforts consistent with the following:

(1) Paragraphs (2) through (5) of section 219(a) of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 2431 note).

(2) Enabling the standardized collection and evaluation of testing data to establish testing references and benchmarks.

(3) Concentrating sufficient personnel expertise of directed energy weapon systems in order to validate the effectiveness of new weapon systems against a variety of targets.

(4) Consolidating modern state-of-the-art testing infrastructure including telemetry, sensors, and optics to support advanced technology testing and evaluation.

(5) Formulating a joint lethality or vulnerability information repository that can be accessed by any of the military de-

partments of Defense Agencies, similar to a Joint Munitions Effectiveness Manuals (JMEMs).

(6) Reducing duplication of directed energy weapon testing.

(7) Ensuring that an adequate workforce and adequate testing facilities are maintained to support missions of the Department of Defense.

SEC. 236. REQUIREMENT FOR ESTABLISHMENT OF ARRANGEMENTS FOR EXPEDITED ACCESS TO TECHNICAL TALENT AND EXPERTISE AT ACADEMIC INSTITUTIONS TO SUPPORT DEPARTMENT OF DEFENSE MISSIONS.

(a) IN GENERAL.—Subsection (a)(1) of section 217 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2358 note) is amended by striking "and each secretary of a military department may establish one or more" and inserting "shall, acting through the secretaries of the military departments, establish not fewer than three".

(b) EXTENSION.—Subsection (f) of such section is amended by striking "September 30, 2020" and inserting "September 30, 2022".

SEC. 237. AUTHORITY FOR JOINT DIRECTED ENERGY TRANSITION OFFICE TO CONDUCT RESEARCH RELATING TO HIGH POWERED MICROWAVE CAPABILITIES.

Section 219(b)(3) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2431 note) is amended by inserting ", including high-powered microwaves," after "energy systems and technologies".

SEC. 238. JOINT ARTIFICIAL INTELLIGENCE RESEARCH, DEVELOPMENT, AND TRANSITION ACTIVITIES.

(a) ESTABLISHMENT.—

(1) IN GENERAL.—The Secretary of Defense shall establish a set of activities within the Department of Defense to coordinate the efforts of the Department to develop, mature, and transition artificial intelligence technologies into operational use.

(2) EMPHASIS.—The set of activities established under paragraph (1) shall apply artificial intelligence and machine learning solutions to operational problems and coordinate activities involving artificial intelligence and artificial intelligence enabled capabilities within the Department.

(b) DESIGNATION.—Not later than one year after the date of the enactment of this Act, the Secretary shall designate a senior official of the Department with principal responsibility for the coordination of activities relating to the development and demonstration of artificial intelligence and machine learning for the Department.

(c) DUTIES.—The duties of the official designated under subsection (b) shall include the following:

(1) STRATEGIC PLAN.—Developing a detailed strategic plan to develop, mature, adopt, and transition artificial intelligence technologies into operational use. Such plan shall include the following:

(A) A strategic roadmap for the identification and coordination of the development and fielding of artificial intelligence technologies and key enabling capabilities.

(B) The continuous evaluation and adaptation of relevant artificial intelligence capabilities developed both inside the Department and in other organizations for military missions and business operations.

(2) ACCELERATION OF DEVELOPMENT AND FIELDING OF ARTIFICIAL INTELLIGENCE.—To the degree practicable, the designated official shall—

(A) use the flexibility of regulations, personnel, acquisition, partnerships with industry and academia, or other relevant policies of the Department to accelerate the development and fielding of artificial intelligence capabilities;

(B) ensure engagement with defense and private industries, research universities, and unaffiliated, nonprofit research institutions;

(C) provide technical advice and support to entities in the Department and the military departments to optimize the use of artificial intelligence and machine learning technologies to meet Department missions;

(D) support the development of requirements for artificial intelligence capabilities that address the highest priority capability gaps of the Department and technical feasibility;

(E) develop and support capabilities for technical analysis and assessment of threat capabilities based on artificial intelligence;

(F) ensure that the Department has appropriate workforce and capabilities at laboratories, test ranges, and within the organic defense industrial base to support the artificial intelligence capabilities and requirements of the Department;

(G) develop classification guidance for all artificial intelligence related activities of the Department;

(H) work with appropriate officials to develop appropriate ethical, legal, and other policies for the Department governing the development and use of artificial intelligence enabled systems and technologies in operational situations; and

(I) ensure—

(i) that artificial intelligence programs of each military department and of the Defense Agencies are consistent with the priorities identified under this section; and

(ii) appropriate coordination of artificial intelligence activities of the Department with interagency, industry, and international efforts relating to artificial intelligence, including relevant participation in standards setting bodies.

(3) GOVERNANCE AND OVERSIGHT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING POLICY.—Regularly convening appropriate officials across the Department—

(A) to integrate the functional activities of the organizations and elements of the Department with respect to artificial intelligence and machine learning;

(B) to ensure there are efficient and effective artificial intelligence and machine learning capabilities throughout the Department; and

(C) to develop and continuously improve research, innovation, policy, joint processes, and procedures to facilitate the development, acquisition, integration, advancement,

oversight, and sustainment of artificial intelligence and machine learning throughout the Department.

(d) ACCESS TO INFORMATION.—The Secretary shall ensure that the official designated under subsection (b) has access to such information on programs and activities of the military departments and other Defense Agencies as the Secretary considers appropriate to carry out the coordination described in subsection (b) and the duties set forth in subsection (c).

(e) STUDY ON ARTIFICIAL INTELLIGENCE TOPICS.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the official designated under subsection (b) shall—

(A) complete a study on past and current advances in artificial intelligence and the future of the discipline, including the methods and means necessary to advance the development of the discipline, to comprehensively address the national security needs and requirements of the Department; and

(B) submit to the congressional defense committees a report on the findings of the designated official with respect to the study completed under subparagraph (A).

(2) CONSULTATION WITH EXPERTS.—In conducting the study required by paragraph (1)(A), the designated official shall consult with experts within the Department, other Federal agencies, academia, any advisory committee established by the Secretary that the Secretary determines appropriate based on the duties of the advisory committee and the expertise of its members, and the commercial sector, as the Secretary considers appropriate.

(3) ELEMENTS.—The study required by paragraph (1)(A) shall include the following:

(A) A comprehensive and national-level review of—

(i) advances in artificial intelligence, machine learning, and associated technologies relevant to the needs of the Department and the Armed Forces; and

(ii) the competitiveness of the Department in artificial intelligence, machine learning, and such technologies.

(B) Near-term actionable recommendations to the Secretary for the Department to secure and maintain technical advantage in artificial intelligence, including ways—

(i) to more effectively organize the Department for artificial intelligence;

(ii) to educate, recruit, and retain leading talent; and

(iii) to most effectively leverage investments in basic and advanced research and commercial progress in these technologies.

(C) Recommendations on the establishment of Departmentwide data standards and the provision of incentives for the sharing of open training data, including those relevant for research into systems that integrate artificial intelligence and machine learning with human teams.

(D) Recommendations for engagement by the Department with relevant agencies that will be involved with artificial intelligence in the future.

(E) Recommendations for legislative action relating to artificial intelligence, machine learning, and associated technologies, including recommendations to more effectively fund and organize the Department.

(f) DELINEATION OF DEFINITION OF ARTIFICIAL INTELLIGENCE.—Not later than one year after the date of the enactment of this Act, the Secretary shall delineate a definition of the term "artificial intelligence" for use within the Department.

(g) ARTIFICIAL INTELLIGENCE DEFINED.—In this section, the term "artificial intelligence" includes the following:

(1) Any artificial system that performs tasks under varying and unpredictable circumstances without significant human oversight, or that can learn from experience and improve performance when exposed to data sets.

(2) An artificial system developed in computer software, physical hardware, or other context that solves tasks requiring human-like perception, cognition, planning, learning, communication, or physical action.

(3) An artificial system designed to think or act like a human, including cognitive architectures and neural networks.

(4) A set of techniques, including machine learning, that is designed to approximate a cognitive task.

(5) An artificial system designed to act rationally, including an intelligent software agent or embodied robot that achieves goals using perception, planning, reasoning, learning, communicating, decision making, and acting.

Subtitle C—Reports and Other Matters

SEC. 241. REPORT ON SURVIVABILITY OF AIR DEFENSE ARTILLERY.

(a) REPORT REQUIRED.—Not later than March 1, 2019, the Secretary of the Army shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the efforts of the Army to improve the survivability of air defense artillery, with a particular focus on the efforts of the Army to improve passive and active nonkinetic capabilities and training with respect to such artillery.

(b) ELEMENTS.—The report required under subsection (a) shall include the following:

(1) An analysis of the utility of relevant passive and active non-kinetic integrated air and missile defense capabilities, including tactical mobility, new passive and active sensors, signature reduction, concealment, and deception systems, and electronic warfare and high-powered radio frequency systems.

(2) An analysis of the utility of relevant active kinetic capabilities, such as a new, long-range counter-maneuvering threat missile and additional indirect fire protection capability units to defend Patriot and Terminal High Altitude Area Defense batteries.

(c) FORM OF REPORT.—The report required under subsection (a) shall be submitted in unclassified form, but may contain a classified annex.

SEC. 242. T–45 AIRCRAFT PHYSIOLOGICAL EPISODE MITIGATION ACTIONS.

Section 1063(b) of the National Defense Authorization Act for Fiscal Year 2018 (131 Stat. 1576; Public Law 115–91) is amended by adding at the end the following new paragraphs:

"(5) A list of all modifications to the T–45 aircraft and associated ground equipment carried out during fiscal years 2017 through 2019 to mitigate the risk of physiological episodes among T–45 crewmembers.

"(6) The results achieved by the modifications listed pursuant to paragraph (5), as determined by relevant testing and operational activities.

"(7) The cost of the modifications listed pursuant to paragraph (5).

"(8) Any plans of the Navy for future modifications to the T–45 aircraft that are intended to mitigate the risk of physiological episodes among T–45 crewmembers.".

SEC. 243. REPORT ON EFFORTS OF THE AIR FORCE TO MITIGATE PHYSIOLOGICAL EPISODES AFFECTING AIRCRAFT CREWMEMBERS.

(a) REPORT REQUIRED.—Not later than March 1, 2019, the Secretary of the Air Force shall submit to the congressional defense committees a report on all efforts of the Air Force to reduce the occurrence of, and mitigate the risk posed by, physiological episodes affecting crewmembers of covered aircraft.

(b) ELEMENTS.—The report required under subsection (a) shall include—

(1) information on the rate of physiological episodes affecting crewmembers of covered aircraft;

(2) a description of the specific actions carried out by the Air Force to address such episodes, including a description of any upgrades or other modifications made to covered aircraft to address such episodes;

(3) schedules and cost estimates for any upgrades or modifications identified under paragraph (3); and

(4) an explanation of any organizational or other changes to the Air Force carried out to address such physiological episodes.

(c) COVERED AIRCRAFT DEFINED.—In this section, the term "covered aircraft" means—

(1) F–35A aircraft of the Air Force;

(2) T–6A aircraft of the Air Force; and

(3) any other aircraft of the Air Force as determined by the Secretary of the Air Force.

SEC. 244. REPORT ON DEFENSE INNOVATION UNIT EXPERIMENTAL.

Not later than May 1, 2019, the Under Secretary of Defense for Research and Engineering shall submit to the congressional defense committees a report on Defense Innovation Unit Experimental (in this section referred to as the "Unit"). Such a report shall include the following:

(1) The integration of the Unit into the broader Department of Defense research and engineering community to coordinate and de-conflict activities of the Unit with similar activities of the military departments, Defense Agencies, Department of Defense laboratories, the Defense Advanced Research Project Agen-

cy, the Small Business Innovation Research Program, and other entities.

(2) The metrics used to measure the effectiveness of the Unit and the results of these metrics.

(3) The number and types of transitions by the Unit to the military departments or fielded to the warfighter.

(4) The impact of the Unit's initiatives, outreach, and investments on Department of Defense access to technology leaders and technology not otherwise accessible to the Department including—

(A) identification of—

(i) the number of non-traditional defense contractors with Department of Defense contracts or other transactions resulting directly from the Unit's initiatives, investments, or outreach; and

(ii) the number of traditional defense contractors with contracts or other transactions resulting directly from the Unit's initiatives;

(B) the number of innovations delivered into the hands of the warfighter; and

(C) how the Department is notifying its internal components about participation in the Unit.

(5) The workforce strategy of the Unit, including whether the Unit has appropriate personnel authorities to attract and retain talent with technical and business expertise.

(6) How the Department of Defense is documenting and institutionalizing lessons learned and best practices of the Unit to alleviate the systematic problems with technology access and timely contract or other transaction execution.

(7) An assessment of management and bureaucratic challenges to the effective and efficient execution of the Unit's missions, especially with respect to contracting and personnel management.

SEC. 245. MODIFICATION OF FUNDING CRITERIA UNDER HISTORICALLY BLACK COLLEGES AND UNIVERSITIES AND MINORITY INSTITUTIONS PROGRAM.

Section 2362(d) of title 10, United States Code, is amended—

(1) in the subsection heading, by striking "PRIORITY" and inserting "CRITERIA"; and

(2) by striking "give priority in providing" and inserting "limit".

SEC. 246. REPORT ON OA–X LIGHT ATTACK AIRCRAFT APPLICABILITY TO PARTNER NATION SUPPORT.

(a) REPORT REQUIRED.—Not later than February 1, 2019, the Secretary of the Air Force shall submit to the congressional defense committees a report on the OA–X light attack aircraft experiment and how the program incorporates partner nation requirements.

(b) ELEMENTS.—The report under subsection (a) shall include a description of—

(1) how the OA–X light attack experiment will support partner nations' low-cost counter terrorism light attack capability;

(2) the extent to which the attributes of affordability, interoperability, sustainability, and simplicity of maintenance and operations are included in the requirements for the OA–X; and

(3) how Federal Aviation Administration certification and a reasonable path for military type certifications for commercial derivative aircraft are factored into foreign military sales for a partner nation.

SEC. 247. REPORTS ON COMPARATIVE CAPABILITIES OF ADVERSARIES IN KEY TECHNOLOGY AREAS.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall, in coordination with the Director of the Defense Intelligence Agency, submit to the appropriate committees of Congress a set of classified reports that set forth a direct comparison between the capabilities of the United States in emerging technology areas and the capabilities of adversaries of the United States in such areas.

(b) ELEMENTS.—The reports required by subsection (a) shall include, for each technology area covered, the following:

(1) An evaluation of spending by the United States and adversaries on such technology.

(2) An evaluation of the quantity and quality of research on such technology.

(3) An evaluation of the test infrastructure and workforce supporting such technology.

(4) An assessment of the technological progress of the United States and adversaries on such technology.

(5) Descriptions of timelines for operational deployment of such technology.

(6) An assessment of the intent or willingness of adversaries to use such technology.

(c) TECHNICAL AREAS.—The Secretary shall ensure that the reports submitted under subsection (a) cover the following:

(1) Hypersonics.

(2) Artificial intelligence.

(3) Quantum information science.

(4) Directed energy weapons.

(5) Such other emerging technical areas as the Secretary considers appropriate.

(d) COORDINATION.—The Secretary shall prepare the reports in coordination with other appropriate officials of the intelligence community and with such other partners in the technology areas covered by the reports as the Secretary considers appropriate.

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Armed Services and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Armed Services and the Permanent Select Committee on Intelligence of the House of Representatives.

SEC. 248. REPORT ON ACTIVE PROTECTION SYSTEMS FOR ARMORED COMBAT AND TACTICAL VEHICLES.

(a) REPORT REQUIRED.—Not later than 60 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on technologies related to active protection systems (APS) for armored combat and tactical vehicles.

(b) CONTENTS.—The report required by subsection (a) shall include the following:

(1) With respect to the active protection systems that the Army has recently tested on the M1A2 Abrams, the M2A3 Bradley, and the STRYKER, the following:

(A) An assessment of the effectiveness of such systems.

(B) Plans of the Secretary to further test such systems.

(C) Proposals for future development of such systems.

(D) A timeline for fielding such systems.

(2) Plans for how the Army will incorporate active protection systems into new armored combat and tactical vehicle designs, such as Mobile Protection Firepower (MPF), Armored Multi-Purpose Vehicle (AMPV), and Next Generation Combat Vehicle (NGCV).

SEC. 249. NEXT GENERATION COMBAT VEHICLE.

(a) PROTOTYPE.—The Secretary of the Army shall take appropriate actions to ensure that all necessary resources are planned and programmed for accelerated prototyping, component development, testing, or acquisition for the Next Generation Combat Vehicle (NGCV).

(b) REPORT.—

(1) IN GENERAL.—Not later than March 1, 2019, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the development of the Next Generation Combat Vehicle.

(2) ANALYSIS.—

(A) IN GENERAL.—The report required by paragraph (1) shall include a thorough analysis of the requirements of the Next Generation Combat Vehicle.

(B) RELEVANCE TO NATIONAL DEFENSE STRATEGY.—In carrying out subparagraph (A), the Secretary shall ensure that the requirements are relevant to the most recently published National Defense Strategy.

(C) THREATS AND TERRAIN.—The Secretary shall ensure that the analysis includes consideration of threats and terrain.

(D) COMPONENT TECHNOLOGIES.—The Secretary shall ensure that the analysis includes consideration of the latest enabling component technologies developed by the Tank Automotive, Research, Development, Engineering Center of the Army that have the potential to dramatically change basic combat vehicle design and improve lethality, protection, mobility, range, and sustainment.

(c) LIMITATION.—Of the funds authorized to be appropriated for fiscal year 2019 by section 201 and available for research, development, testing, and evaluation, Army, for the Next Generation Combat Vehicle, not more than 90 percent may be obligated or expended until the Secretary submits the report required by subsection (b).

SEC. 250. MODIFICATION OF REPORTS ON MECHANISMS TO PROVIDE FUNDS TO DEFENSE LABORATORIES FOR RESEARCH AND DEVELOPMENT OF TECHNOLOGIES FOR MILITARY MISSIONS.

Subsection (c) of section 2363 of title 10, United States Code, is amended to read as follows:

"(c) RELEASE AND DISSEMINATION OF INFORMATION ON CONTRIBUTIONS FROM USE OF AUTHORITY TO MILITARY MISSIONS.—

"(1) COLLECTION OF INFORMATION.—The Secretary shall establish and maintain mechanisms for the continuous collection of information on achievements, best practices identified, lessons learned, and challenges arising in the exercise of the authority in this section.

"(2) RELEASE OF INFORMATION.—The Secretary shall establish and maintain mechanisms as follows:

"(A) Mechanisms for the release to the public of information on achievements and best practices described in paragraph (1) in unclassified form.

"(B) Mechanisms for dissemination to appropriate civilian and military officials of information on achievements and best practices described in paragraph (1) in classified form.".

SEC. 251. BRIEFINGS ON MOBILE PROTECTED FIREPOWER AND FUTURE VERTICAL LIFT PROGRAMS.

(a) IN GENERAL.—Not later than March 1, 2019, the Secretary of the Army shall provide a briefing to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives on the requirements of the Army for Mobile Protected Firepower (MPF) and Future Vertical Lift (FVL).

(b) CONTENTS.—The briefing provided pursuant to subsection (a) shall include the following:

(1) With respect to the Mobile Protected Firepower program, the following:

(A) An explanation of how Mobile Protected Firepower could survive against the effects of anti-armor and anti-aircraft networks established within anti-access, area-denial defenses.

(B) An explanation of how Mobile Protected Firepower would improve offensive overmatch against a peer adversary.

(C) Details regarding the total number of Mobile Protected Firepower systems needed by the Army.

(D) An explanation of how the Mobile Protected Firepower system will be logistically supported within light formations.

(E) Plans to integrate active protection systems into the designs of the Mobile Protected Firepower program.

(2) With respect to the Future Vertical Lift program, the following:

(A) An explanation of how Future Vertical Lift could survive against the effects of anti-aircraft networks established within anti-access, area-denial defenses.

(B) An explanation of how Future Vertical Lift would improve offensive overmatch against a peer adversary.

(C) A review of the doctrine, organization, training, materiel, leadership, education, personnel, and facilities applicable to determine the total number of Future Vertical Lift Capability Set 1 or Future Attack Reconnaissance Aircraft (FARA), required by the Army.

(D) An implementation plan for the establishment of Future Vertical Lift, including a timeline for achieving initial and full operational capability.

(E) A description of the budget requirements for Future Vertical Lift to reach full operational capability, including an identification and cost of any infrastructure and equipment requirements.

(F) A detailed list of all analysis used to determine the priority of Future Vertical Lift and which programs were terminated, extended, de-scoped, or delayed in order to fund Future Vertical Lift Capability Set 1 or Future Attack Reconnaissance Aircraft in the Future Year's Defense Plan.

(G) An assessment of the analysis of alternatives on the Future Vertical Lift Capability Set 3 program.

(H) An identification of any additional authorities that may be required for achieving full operational capability of Future Vertical Lift.

(I) Any other matters deemed relevant by the Secretary.

SEC. 252. IMPROVEMENT OF THE AIR FORCE SUPPLY CHAIN.

(a) IN GENERAL.—The Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics may use funds described in subsection (b) as follows:

(1) For nontraditional technologies and sustainment practices (such as additive manufacturing, artificial intelligence, predictive maintenance, and other software-intensive and software-defined capabilities) to—

(A) increase the availability of aircraft to the Air Force; and

(B) decrease backlogs and lead times for the production of parts for such aircraft.

(2) To advance the qualification, certification, and integration of additive manufacturing into the Air Force supply chain.

(3) To otherwise identify and reduce supply chain risk for the Air Force.

(4) To define workforce development requirements and training for personnel who implement and support additive manufacturing for the Air Force at the warfighter, end-item designer and equipment operator, and acquisition officer levels.

(b) FUNDING.—Of the amounts authorized to be appropriated for fiscal year 2019 by section 201 for research, development, test, and evaluation for the Air Force and available for Tech Transition Program (Program Element (0604858F)), up to $42,800,000 may be available as described in subsection (a).

SEC. 253. REVIEW OF GUIDANCE ON BLAST EXPOSURE DURING TRAINING.

(a) INITIAL REVIEW.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall review the decibel level exposure, concussive effects exposure, and the frequency of exposure to heavy weapons fire of an individual during training exercises to establish appropriate limitations on such exposures.

(b) ELEMENTS.—The review required by subsection (a) shall take into account current data and evidence on the cognitive effects of blast exposure and shall include consideration of the following:

(1) The impact of exposure over multiple successive days of training.

(2) The impact of multiple types of heavy weapons being fired in close succession.

(3) The feasibility of cumulative annual or lifetime exposure limits.

(4) The minimum safe distance for observers and instructors.

(c) UPDATED TRAINING GUIDANCE.—Not later than 180 days after the date of the completion of the review under subsection (a), each Secretary of a military department shall update any relevant training guidance to account for the conclusions of the review.

(d) UPDATED REVIEW.—

(1) IN GENERAL.—Not later than two years after the initial review conducted under subsection (a), and not later than two years thereafter, the Secretary of Defense shall conduct an updated review under such subsection, including consideration of the matters set forth under subsection (b), and update training guidance under subsection (c).

(2) CONSIDERATION OF NEW RESEARCH AND EVIDENCE.—Each updated review conducted under paragraph (1) shall take into account new research and evidence that has emerged since the previous review.

(e) BRIEFING REQUIRED.—The Secretary of Defense shall brief the Committees on Armed Services of the Senate and the House of Representatives on a summary of the results of the initial review under subsection (a), each updated review conducted under subsection (d), and any updates to training guidance and procedures resulting from any such review or updated review.

SEC. 254. COMPETITIVE ACQUISITION STRATEGY FOR BRADLEY FIGHTING VEHICLE TRANSMISSION REPLACEMENT.

(a) PLAN REQUIRED.—The Secretary of the Army shall develop a strategy to competitively procure a new transmission for the Bradley Fighting Vehicle family of vehicles.

(b) ADDITIONAL STRATEGY REQUIREMENTS.—The plan required by subsection (a) shall include the following:

(1) An analysis of the potential cost savings and performance improvements associated with developing or procuring a new transmission common to the Bradley Fighting Vehicle family of vehicles, including the Armored Multipurpose Vehicle and the Paladin Integrated Management artillery system.

(2) A plan to use full and open competition as required by the Federal Acquisition Regulation.

(c) TIMELINE.—Not later than February 15, 2019, the Secretary of the Army shall submit to the congressional defense committees the strategy developed under subsection (a).

(d) LIMITATION.—None of the funds authorized to be appropriated for fiscal year 2019 by this Act for Weapons and Tracked Combat Vehicles, Army, may be obligated or expended to procure a Bradley Fighting Vehicle replacement transmission until the date that is 30 days after the date on which the Secretary of the Army submits to the congressional defense committees the plan required by subsection (a).

SEC. 255. INDEPENDENT ASSESSMENT OF ELECTRONIC WARFARE PLANS AND PROGRAMS.

(a) AGREEMENT.—

(1) IN GENERAL.—The Secretary of Defense shall seek to enter into an agreement with the private scientific advisory

group known as "JASON" to perform the services covered by this section.

(2) TIMING.—The Secretary shall seek to enter into the agreement described in paragraph (1) not later than 120 days after the date of the enactment of this Act.

(b) INDEPENDENT ASSESSMENT.—Under an agreement between the Secretary and JASON under this section, JASON shall—

(1) assess the strategies, programs, order of battle, and doctrine of the Department of Defense related to the electronic warfare mission area and electromagnetic spectrum operations;

(2) assess the strategies, programs, order of battle, and doctrine of potential adversaries, such as China, Iran, and the Russian Federation, related to the same;

(3) develop recommendations for improvements to the strategies, programs, and doctrine of the Department of Defense in order to enable the United States to achieve and maintain superiority in the electromagnetic spectrum in future conflicts; and

(4) develop recommendations for the Secretary, Congress, and such other Federal entities as JASON considers appropriate, including recommendations for—

(A) closing technical, policy, or resource gaps;

(B) improving cooperation and appropriate integration within the Department of Defense entities;

(C) improving cooperation between the United States and other countries and international organizations as appropriate; and

(D) such other important matters identified by JASON that are directly relevant to the strategies of the Department of Defense described in paragraph (3).

(c) LIAISONS.—The Secretary shall appoint appropriate liaisons to JASON to support the timely conduct of the services covered by this section.

(d) MATERIALS.—The Secretary shall provide access to JASON to materials relevant to the services covered by this section, consistent with the protection of sources and methods and other critically sensitive information.

(e) CLEARANCES.—The Secretary shall ensure that appropriate members and staff of JASON have the necessary clearances, obtained in an expedited manner, to conduct the services covered by this section.

(f) REPORT.—Not later than October 1, 2019, the Secretary shall submit to the congressional defense committees a report on—

(1) the findings of JASON with respect to the assessments carried out under subsection (b); and

(2) the recommendations developed by JASON pursuant to such subsection.

(g) ALTERNATE CONTRACT SCIENTIFIC ORGANIZATION.—

(1) IN GENERAL.—If the Secretary is unable within the period prescribed in paragraph (2) of subsection (a) to enter into an agreement described in paragraph (1) of such subsection with JASON on terms acceptable to the Secretary, the Secretary shall seek to enter into such agreement with another appropriate scientific organization that—

(A) is not part of the government; and

(B) has expertise and objectivity comparable to that of JASON.

(2) TREATMENT.—If the Secretary enters into an agreement with another organization as described in paragraph (1), any reference in this section to JASON shall be treated as a reference to the other organization.

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

Sec. 301. Authorization of appropriations.

Subtitle B—Energy and Environment

Sec. 311. Explosive Ordnance Disposal Defense Program.
Sec. 312. Further improvements to energy security and resilience.
Sec. 313. Use of proceeds from sales of electrical energy derived from geothermal resources for projects at military installations where resources are located.
Sec. 314. Operational energy policy.
Sec. 315. Funding of study and assessment of health implications of per- and polyfluoroalkyl substances contamination in drinking water by agency for toxic substances and disease registry.
Sec. 316. Extension of authorized periods of permitted incidental takings of marine mammals in the course of specified activities by Department of Defense.
Sec. 317. Department of Defense environmental restoration programs.
Sec. 318. Joint study on the impact of wind farms on weather radars and military operations.
Sec. 319. Core sampling at Joint Base San Antonio, Texas.
Sec. 320. Production and use of natural gas at Fort Knox, Kentucky.

Subtitle C—Logistics and Sustainment

Sec. 321. Authorizing use of working capital funds for unspecified minor military construction projects related to revitalization and recapitalization of defense industrial base facilities.
Sec. 322. Examination of Navy vessels.
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Sec. 326. Business case analysis for proposed relocation of J85 Engine Regional Repair Center.
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Subtitle D—Reports

Sec. 331. Reports on readiness.
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Sec. 334. Surface warfare training improvement.
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Sec. 337. Report on wildfire suppression capabilities of active and reserve components.
Sec. 338. Report on relocation of steam turbine production from Nimitz-class and Ford-class aircraft carriers and Virginia-class and Columbia-class submarines.
Sec. 339. Report on Specialized Undergraduate Pilot Training production, resourcing, and locations.
Sec. 340. Report on Air Force airfield operational requirements.
Sec. 341. Report on Navy surface ship repair contract costs.

Subtitle E—Other Matters

Sec. 351. Coast Guard representation on explosive safety board.

Sec. 352. Transportation to continental United States of retired military working dogs outside the continental United States that are suitable for adoption in the United States.
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Sec. 357. Reporting on future years budgeting by subactivity group.
Sec. 358. Limitation on availability of funds for service-specific Defense Readiness Reporting Systems.
Sec. 359. Prioritization of environmental impacts for facilities sustainment, restoration, and modernization demolition.
Sec. 360. Sense of Congress relating to Soo Locks, Sault Sainte Marie, Michigan.
Sec. 361. U.S. Special Operations Command Civilian Personnel.

Subtitle A—Authorization of Appropriations

SEC. 301. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4301.

Subtitle B—Energy and Environment

SEC. 311. EXPLOSIVE ORDNANCE DISPOSAL DEFENSE PROGRAM.

(a) IN GENERAL.—Chapter 136 of title 10, United States Code, as amended by section 851, is further amended by inserting after section 2283, as added by such section 851, the following new section:

"SEC. 2284. EXPLOSIVE ORDNANCE DISPOSAL DEFENSE PROGRAM.

"(a) IN GENERAL.—The Secretary of Defense shall carry out a program to be known as the 'Explosive Ordnance Disposal Defense Program' (in this section referred to as the 'Program') under which the Secretary shall ensure close and continuous coordination between military departments on matters relating to explosive ordnance disposal support for commanders of geographic and functional combatant commands.

"(b) ROLES, RESPONSIBILITIES, AND AUTHORITIES.—The plan under subsection (a) shall include provisions under which—

"(1) the Secretary of Defense shall—

"(A) assign the responsibility for the direction, coordination, integration of the Program within the Department of Defense to an Assistant Secretary of Defense;

"(B) the Assistant Secretary of Defense to whom responsibility is assigned under paragraph (1) shall serve as the key individual for the Program responsible for developing and overseeing policy, plans, programs, and budgets, and issuing guidance and providing direction on Department of Defense explosive ordnance disposal activities;

"(C) designate the Secretary of the Navy, or a designee of the Secretary's choice, as the executive agent for the Department of Defense responsible for providing oversight of the joint program executive officer who coordinates and integrates joint requirements for explosive ordnance disposal and carries out joint research, development, test, and evaluation and procurement activities on behalf of the military

departments and combatant commands with respect to explosive ordnance disposal;

"(D) designate a combat support agency to exercise fund management responsibility of the Department of Defense-wide program element for explosive ordnance disposal research, development, test, and evaluation, transactions other than contracts, cooperative agreements, and grants related to section 2371 of this title during research projects including rapid prototyping and limited procurement urgent activities, and acquisition; and

"(E) designate an Army explosive ordnance disposal-qualified general officer from the combat support agency designated under subparagraph (D) to serve as the Chairman of the Department of Defense explosive ordnance disposal defense program board; and

"(2) the Secretary of each military department shall assess the needs of the military department concerned with respect to explosive ordnance disposal and may carry out research, development, test, and evaluation activities, including other transactions and procurement activities to address military department unique needs such as weapon systems, manned and unmanned vehicles and platforms, cyber and communication equipment, and the integration of explosive ordnance disposal sets, kits and outfits and explosive ordnance disposal tools, equipment, sets, kits, and outfits developed by the department.

"(c) ANNUAL BUDGET JUSTIFICATION DOCUMENTS.—

"(1) For fiscal year 2021 and each fiscal year thereafter, the Secretary of Defense shall submit to Congress with the defense budget materials a consolidated budget justification display, in classified and unclassified form, that includes all of activities of the Department of Defense relating to the Program.

"(2) The budget display under paragraph (1) for a fiscal year shall include a single program element for each of the following:

"(A) Civilian and military pay.

"(B) Research, development, test, and evaluation.

"(C) Procurement.

"(D) Other transaction agreements.

"(E) Military construction.

"(3) The budget display shall include funding data for each of the military department's respective activities related to explosive ordnance disposal, including—

"(A) operation and maintenance; and

"(B) overseas contingency operations.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter, as amended by section 851, is further amended by inserting after the item relating to section 2283, as added by such section 851, the following new section:

"2284. Explosive Ordnance Disposal Defense Program.".

SEC. 312. FURTHER IMPROVEMENTS TO ENERGY SECURITY AND RESILIENCE.

(a) ENERGY POLICY AUTHORITY.—Section 2911(b) of title 10, United States Code, is amended—

(1) by redesignating paragraphs (1), (2), and (3) as paragraphs (3), (4), and (5), respectively; and

(2) by inserting before paragraph (3), as so redesignated, the following new paragraphs:

"(1) establish metrics and standards for the assessment of energy resilience;

"(2) require the Secretary of a military department to perform mission assurance and readiness assessments of energy power systems for mission critical assets and supporting infrastructure, applying uniform mission standards established by the Secretary of Defense;".

(b) REPORTING ON ENERGY SECURITY AND RESILIENCE GOALS.—Section 2911(c) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(3) The Secretary of Defense shall include the energy security and resilience goals of the Department of Defense in the installation energy report submitted under section 2925(a) of this title for fiscal year 2018 and every fiscal year thereafter. In the development of energy security and resilience goals, the Department of Defense shall conform with the definitions of energy security and resilience under this title. The report shall include the amount of critical energy load, together with the level of availability and reliability by fiscal year the Department of Defense deems necessary to achieve energy security and resilience.".

(c) REPORTING ON INSTALLATIONS ENERGY MANAGEMENT, ENERGY RESILIENCE, AND MISSION ASSURANCE.—Section 2925(a) of title 10, United States Code, is amended—

(1) by inserting ", including progress on energy resilience at military installations according to metrics developed by the Secretary" after "under section 2911 of this title";

(2) in paragraph (3), by striking "the mission requirements associated with disruption tolerances based on risk to mission" and inserting "the downtimes (in minutes or hours) these missions can afford based on their mission requirements and risk tolerances";

(3) in paragraph (4), by inserting "(including critical energy loads in megawatts and the associated downtime tolerances for critical energy loads)" after "energy requirements and critical energy requirements";

(4) by redesignating paragraph (5) as paragraph (7); and

(5) by inserting after paragraph (4) the following new paragraphs:

"(5) A list of energy resilience projects awarded by the Department of Defense by military department and military installation, whether appropriated or alternative financed for the reporting fiscal year, including project description, award date, the critical energy requirements serviced (including critical energy loads in megawatts), expected reliability of the project (as indicated in the awarded contract), life cycle costs, savings to investment, fuel type, and the type of appropriation or alternative financing used.

"(6) A list of energy resilience projects planned by the Department of Defense by military department and military installation, whether appropriated or alternative financed for the next two fiscal years, including project description, fuel type, expected award date, and the type of appropriation or alternative financing expected for use.".

(d) INCLUSION OF ENERGY SECURITY AND RESILIENCE AS PRIORITIES IN CONTRACTS FOR ENERGY OR FUEL FOR MILITARY INSTALLATIONS.—Section 2922a(d) of title 10, United States Code, is amended to read as follows:

"(d) The Secretary concerned shall ensure energy security and resilience are prioritized and included in the provision and operation of energy production facilities under this section.".

(e) CONVEYANCE AUTHORITY FOR UTILITY SYSTEMS.—Section 2688 of title 10, United States Code, is amended—

(1) in subsection (d)(2), by adding at the end the following: "The business case analysis must also demonstrate how a privatized system will operate in a manner consistent with subsection (g)(3).."; and

(2) in subsection (g)(3)—

(A) by striking "may require" and inserting "shall require"; and

(B) by striking "consistent with energy resilience requirements and metrics" and inserting "consistent with energy resilience and cybersecurity requirements and associated metrics".

(f) MODIFICATION OF ENERGY RESILIENCE DEFINITION.—Section 101(e)(6) of title 10, United States Code, is amended by striking "task critical assets and other".

(g) AUTHORITY TO ACCEPT ENERGY PERFORMANCE FINANCIAL INCENTIVES FROM STATE AND LOCAL GOVERNMENTS.—Section 2913(c) of title 10, United States Code, is amended by inserting "a State or local government" after "generally available from".

(h) USE OF ENERGY COST SAVINGS TO IMPLEMENT ENERGY RESILIENCE AND ENERGY CONSERVATION CONSTRUCTION PROJECTS.—Section 2912(b)(1) of title 10, United States Code, is amended by inserting ", including energy resilience and energy conservation construction projects," after "energy security measures".

(i) ADDITIONAL BASIS FOR PRESERVATION OF PROPERTY IN THE VICINITY OF MILITARY INSTALLATIONS IN AGREEMENTS WITH NON-FEDERAL ENTITIES ON USE OF SUCH PROPERTY.—Section 2684a(a)(2)(B) of title 10, United States Code, is amended—

(1) by striking "(B)" and inserting "(B)(i)"; and

(2) by adding at the end of the following new clause:

"(ii) maintains or improves military installation resilience; or".

SEC. 313. USE OF PROCEEDS FROM SALES OF ELECTRICAL ENERGY DERIVED FROM GEOTHERMAL RESOURCES FOR PROJECTS AT MILITARY INSTALLATIONS WHERE RESOURCES ARE LOCATED.

Subsection (b) of section 2916 of title 10, United States Code, is amended—

(1) in paragraph (1), by striking "Proceeds" and inserting "Except as provided in paragraph (3), proceeds"; and

(2) by adding at the end the following new paragraph:

"(3) In the case of proceeds from a sale of electrical energy generated from any geothermal energy resource—

"(A) 50 percent shall be credited to the appropriation account described in paragraph (1); and

"(B) 50 percent shall be deposited in a special account in the Treasury established by the Secretary concerned which shall

be available, for military construction projects described in paragraph (2) or for installation energy or water security projects directly coordinated with local area energy or groundwater governing authorities, for the military installation in which the geothermal energy resource is located.".

SEC. 314. OPERATIONAL ENERGY POLICY.

(a) IN GENERAL.—Section 2926 of title 10, United States Code, is amended—

(1) by redesignating subsections (a), (b), (c), and (d) as subsections (c), (d), (e), (f), respectively;

(2) by inserting before subsection (c), as redesignated by paragraph (1), the following new subsections:

"(a) OPERATIONAL ENERGY POLICY.—In carrying out section 2911(a) of this title, the Secretary of Defense shall ensure the types, availability, and use of operational energy promote the readiness of the armed forces for their military missions.

"(b) AUTHORITIES.—The Secretary of Defense may—

"(1) require the Secretary of a military department or the commander of a combatant command to assess the energy supportability of systems, capabilities, and plans;

"(2) authorize the use of energy security, cost of backup power, and energy resilience as factors in the cost-benefit analysis for procurement of operational equipment; and

"(3) in selecting equipment that will use operational energy, give favorable consideration to the acquisition of equipment that enhances energy security, energy resilience, energy conservation, and reduces logistical vulnerabilities."; and

(3) in subsection (c), as redesignated by subparagraph (A)—

(A) in the subsection heading, by striking "ALTERNATIVE FUEL ACTIVITIES" and inserting "FUNCTIONS OF THE ASSISTANT SECRETARY OF DEFENSE FOR ENERGY, INSTALLATIONS, AND ENVIRONMENT";

(B) by striking "heads of the military departments and the Assistant Secretary of Defense for Research and Engineering" and inserting "heads of the appropriate Department of Defense components";

(C) in paragraph (1), by striking "lead the alternative fuel activities" and inserting "oversee the operational energy activities";

(D) in paragraph (2), by striking "regarding the development of alternative fuels by the military departments and the Office of the Secretary of Defense" and inserting "regarding the policies and investments that affect the use of operational energy across the Department of Defense";

(E) in paragraph (3), by striking "prescribe policy to streamline the investments in alternative fuel activities across the Department of Defense" and inserting "recommend to the Secretary policy to improve warfighting capability through energy security and energy resilience"; and

(F) in paragraph (5), by striking "subsection (c)(4)" and inserting "subsection (e)(4)".

(b) CONFORMING AMENDMENTS.—(1) Section 2925(b)(1) of title 10, United States Code, is amended by striking "section 2926(b)" and inserting "section 2926(d)".

(2) Section 1061(c)(55) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 111 note) is amended by striking "Section 2926(c)(4)" and inserting "Section 2926(e)(4)".

SEC. 315. FUNDING OF STUDY AND ASSESSMENT OF HEALTH IMPLICATIONS OF PER- AND POLYFLUOROALKYL SUBSTANCES CONTAMINATION IN DRINKING WATER BY AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY.

(a) FUNDING.—Paragraph (2) of section 316(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended to read as follows:

"(2) FUNDING.—

"(A) SOURCE OF FUNDS.—The study and assessment performed pursuant to this section may be paid for using funds authorized to be appropriated to the Department of Defense under the heading 'Operation and Maintenance, Defense-Wide'.

"(B) TRANSFER AUTHORITY.—(i) Of the amounts authorized to be appropriated for the Department of Defense for fiscal year 2018, not more than $10,000,000 shall be transferred by the Secretary of Defense, without regard to section 2215 of title 10, United States Code, to the Secretary of Health and Human Services to pay for the study and assessment required by this section.

"(ii) Without regard to section 2215 of title 10, United States Code, the Secretary of Defense may transfer not more than $10,000,000 a year during fiscal years 2019 and 2020 to the Secretary of Health and Human Services to pay for the study and assessment required by this section.

"(C) EXPENDITURE AUTHORITY.—Amounts transferred to the Secretary of Health and Human Services shall be used to carry out the study and assessment under this section through contracts, cooperative agreements, or grants. In addition, such funds may be transferred by the Secretary of Health and Human Services to other accounts of the Department for the purposes of carrying out this section.

"(D) RELATIONSHIP TO OTHER TRANSFER AUTHORITIES.—The transfer authority provided under this paragraph is in addition to any other transfer authority available to the Department of Defense.".

(b) REPORT TO CONGRESS ON DEPARTMENT OF DEFENSE ASSESSMENT AND REMEDIATION PLAN.—Not later than 180 days after the date on which the Administrator of the Environmental Protection Agency establishes a maximum contaminant level for per- and polyfluoroalkyl substances (PFAS) contamination in drinking water in a national primary drinking water regulation under section 1412 of the Safe Drinking Water Act (42 U.S.C. 300g-1), the Secretary of Defense shall submit to the congressional defense committees a report containing a plan to—

(1) assess any contamination at Department of Defense installations and surrounding communities that may have occurred from PFAS usage by the Department of Defense;

(2) identify any remediation actions the Department plans to undertake using the maximum contaminant level established by the Environmental Protection Agency;

(3) provide an estimate of the cost of such remediation and a schedule for accomplishing such remediation; and

(4) provide an assessment of past expenditures by local water authorities to address contamination before the Environmental Protection Agency established a maximum contaminant level and an estimate of the cost to reimburse communities that remediated water to a level not greater than such level.

(c) ASSESSMENT OF HEALTH EFFECTS OF PFAS EXPOSURE.—The Secretary of Defense shall conduct an assessment of the human health implications of PFAS exposure. Such assessment shall include—

(1) a meta-analysis that considers the current scientific evidence base linking the health effects of PFAS on individuals who served as members of the Armed Forces and were exposed to PFAS at military installations;

(2) an estimate of the number of members of the Armed Forces and veterans who may have been exposed to PFAS while serving in the Armed Forces;

(3) the development of a process that would facilitate the transfer between the Department of Defense and the Department of Veterans Affairs of health information of individuals who served in the Armed Forces and may have been exposed to PFAS during such service; and

(4) a description of the amount of funding that would be required to administer a potential registry of individuals who may have been exposed to PFAS while serving in the Armed Forces.

SEC. 316. EXTENSION OF AUTHORIZED PERIODS OF PERMITTED INCIDENTAL TAKINGS OF MARINE MAMMALS IN THE COURSE OF SPECIFIED ACTIVITIES BY DEPARTMENT OF DEFENSE.

Section 101(a)(5)(A) of the Marine Mammal Protection Act of 1972 (16 U.S.C. 1371(a)(5)(A)) is amended—

(1) in clause (i), by striking "Upon request" and inserting "Except as provided by clause (ii), upon request";

(2) by redesignating clauses (ii) and (iii) as clauses (iii) and (iv), respectively; and

(3) by inserting after clause (i) the following new clause (ii):

"(ii) In the case of a military readiness activity (as defined in section 315(f) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 16 U.S.C. 703 note), clause (i) shall be applied—

"(I) in the matter preceding clause (I), by substituting 'seven consecutive years' for 'five consecutive years'; and

"(II) in clause (I), by substituting 'seven-year' for 'five-year'.".

SEC. 317. DEPARTMENT OF DEFENSE ENVIRONMENTAL RESTORATION PROGRAMS.

(a) FINDINGS.—Congress makes the following findings:

(1) The Department of Defense has identified nearly 39,500 sites that fall under the installation restoration program sites and munitions response sites.

(2) The installation response program addresses contamination from hazardous substances, pollutants, or contaminants and active military installations, formerly used defense site

properties, and base realignment and closure locations in the United States.

(3) Munitions response sites are known or suspected to contain unexploded ordnance, discarded military munitions, or munitions constitutes are addressed through the military munitions response program.

(4) The installation restoration program sites and munitions response sites have had significant impacts on state and local governments that have had to bear the increased costs of environmental degradation, notably groundwater contamination, and local populations that have had to live with the consequences of contaminated drinking, including increased health concerns and decreasing property values.

(5) Through the end of fiscal year 2017, the Department of Defense had achieved response complete at 86 percent of installation restoration program sites and munitions response sites, but projects that it will fall short of meeting its goal of 90 percent by the end of fiscal year 2018.

(6) The fiscal year 2019 budget request for environmental restoration and base realignment and closure amounted to nearly $1,318,320,000, a decrease of $53,429,000 from the amount authorized in the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the environmental restoration and base realignment and closure programs are important for the protection of the environment, the health of the military and civilian personnel and their families who live and work on military installations, to ensure that current and legacy military operations do not adversely affect the health or environments of surrounding communities;

(2) the Department of Defense and the Armed Forces should seek to reduce the financial burden on state and local government who are bearing significant costs of cleanup stemming from defense related activities;

(3) the Department of Defense and the Armed Forces should expedite and streamline cleanup at locations where contamination is having a direct impact on civilian access to clean drinking water;

(4) the Department of Defense and the Armed Forces should continue to engage with and help allay local community concerns about the safety of the drinking water due to environmental degradation caused by defense related activities; and

(5) the Department of Defense should seek opportunities to accelerate environmental restoration efforts where feasible, to include programming additional resources for response actions, investing in technology solutions that may expedite response actions, improving contracting procedures, increasing contracting capacity, and seeking opportunities for partnerships and other cooperative approaches.

SEC. 318. JOINT STUDY ON THE IMPACT OF WIND FARMS ON WEATHER RADARS AND MILITARY OPERATIONS.

(a) IN GENERAL.—The Secretary of Defense shall enter into an arrangement with the National Oceanic and Atmospheric Administration to conduct a study on how to improve existing National Oce-

anic and Atmospheric Administration and National Weather Service tools to reflect the latest data and policies to improve consistency in weather radars, with a focus on a research and development and field test evaluation program to validate existing mitigation options and develop additional options for weather radar impact, in collaboration with the National Weather Service, the Department of Energy, and the Federal Aviation Administration, and with input from academia and industry.

(b) ELEMENTS.—The study required pursuant to subsection (a) shall include the following:

(1) The potential impacts of wind farms on NEXRAD radars and other Federal radars for weather forecasts and warnings used by the Department of Defense, the National Oceanic and Atmospheric Administration, and the National Weather Service.

(2) Recommendations to reduce, mitigate, or eliminate the potential impacts.

(3) Recommendations for addressing the impacts to NEXRADs and weather radar due to increasing turbine heights.

(4) Recommendations to ensure wind farms do not impact the ability of the National Oceanic and Atmospheric Administration and the National Weather Service to warn or forecast hazardous weather.

(5) The cumulative impacts of multiple wind farms near a single radar on the ability of the National Oceanic and Atmospheric Administration and the National Weather Service to warn or forecast hazardous weather.

(6) An analysis of whether certain wind turbine projects, based on project layout, turbine orientation, number of turbines, density of turbines, proximity to radar, or turbine height result in greater impacts to the missions of Department of Defense, the National Oceanic and Atmospheric Administration, and the National Weather Service, and if so, how can those projects be better cited to reduce or eliminate NEXRAD impacts.

(7) Case studies where the Department of Defense, the National Weather Service, and industry have worked together to implement solutions.

(8) Mitigation options, including software and hardware upgrades, which the National Oceanic and Atmospheric Administration and the National Weather Service have researched and analyzed, and the results of such research and analysis.

(9) A review of mitigation research performed to date by the Government and or academia.

(10) Identification of future research opportunities, requirements, and recommendations for the SENSR program to mitigate energy development.

(c) SUBMITTAL TO CONGRESS.—Not later than 12 months after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the study conducted pursuant to subsection (a).

SEC. 319. CORE SAMPLING AT JOINT BASE SAN ANTONIO, TEXAS.

(a) SITE INVESTIGATION REQUIRED.—The Secretary of the Air Force shall conduct a core sampling study along the proposed route of the W–6 wastewater treatment line on Air Force real property, in

compliance with best engineering practices, to determine if any regulated or hazardous substances are present in the soil along the proposed route.

(b) REPORT REQUIRED.—Not later than 15 months after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the results of the core samples taken pursuant to subsection (a).

SEC. 320. PRODUCTION AND USE OF NATURAL GAS AT FORT KNOX, KENTUCKY.

(a) AUTHORITY.—

(1) IN GENERAL.—The Secretary of the Army is authorized to continue production, treatment, management, and use of the natural gas from covered wells at Fort Knox, without regard to section 3 of the Mineral Leasing Act for Acquired Lands (30 U.S.C. 352), with the limitation that the Secretary of the Army shall comply with the Mineral Leasing Act, Mineral Leasing Act for Acquired Lands, and the Federal Oil and Gas Royalty Management Act, for additional oil or natural gas drilling operations and production activities beyond the production from the covered wells at Fort Knox.

(2) CONTRACT AUTHORITY.—The Secretary is authorized to enter into a contract with an appropriate entity to carry out paragraph (1), with the limitation that the authority provided in this section does not affect or authorize any interference with the Muldraugh Gas Storage Facility at Fort Knox.

(b) ROYALTIES TO THE STATE OF KENTUCKY.—

(1) IN GENERAL.—In implementing this section—

(A) The Secretary of the Interior shall calculate the value of royalty payments, calculated on a calendar year basis beginning on the date of enactment of this section, that the State of Kentucky would have received under the Mineral Leasing Act for Acquired Lands (30 U.S.C. 352) for future natural gas produced at Fort Knox under the authority of this section as though the natural gas had been produced under the Mineral Leasing Act for Acquired Lands, and provide the calculation to the Secretary of the Army.

(B) Upon request of the Secretary of the Interior, the Secretary of the Army or its contractor shall promptly provide all information, documents, or other materials the Secretary of the Interior deems necessary to conduct this calculation.

(C) The Secretary of the Army shall pay to the Treasury of the United States the value of royalty calculated under this section upon receipt of the calculation from the Secretary of the Interior.

(D) The Secretary of the Interior shall disburse the sums collected from the Secretary of the Army pursuant to this paragraph to the State of Kentucky as though the funds were being disbursed to the State under section 6 of the Mineral Leasing Act for Acquired Lands (30 U.S.C. 355) no later than 6 months after the date of the enactment of this Act.

(E) Regardless of the value of the royalty payments calculated under subparagraph (A), in no case may the amount of the sums disbursed under subparagraph (D) for any calendar year exceed $49,000.

(2) WAIVER AUTHORITY.—The Governor of Kentucky may waive paragraph (1) by providing written notice to the Secretary of the Interior to that effect.

(c) OWNERSHIP OF FACILITIES.—The Secretary of the Army may take ownership of any gas production and treatment equipment and facilities and associated infrastructure from an entity with which the Secretary has entered into a contract under subsection (a) in accordance with the terms of the contract. The Secretary of the Interior shall have no responsibility for the plugging and abandonment of the covered wells at Fort Knox, the reclamation of the covered wells at Fort Knox, or any environmental damage caused or associated with the production of the covered wells at Fort Knox.

(d) APPLICABILITY.—The authority of the Secretary of the Army under this section is effective as of August 2, 2007.

(e) LIMITATION ON USES.—Any natural gas produced under the authority of this section may be used only to support energy security and energy resilience at Fort Knox. For purposes of this section, energy security and energy resilience include maintaining and continuing to produce natural gas from the covered wells at Fort Knox, and enhancing the Fort Knox energy grid through acquisition and maintenance of battery storage, loop transmission lines and pipelines, sub-stations, and automated circuitry.

(f) SAFETY STANDARDS FOR GAS WELLS.—The covered wells at Fort Knox shall meet the same technical installation and operating standards that they would have had to meet had they been installed under a lease pursuant to the Mineral Leasing Act for Acquired Lands. Such standards include the gas measurement requirements in the Federal Oil and Gas Royalty Management Act and the operational standards in the Onshore Oil and Gas Operating and Production regulations issued by the Bureau of Land Management. The Bureau of Land Management shall inspect and enforce the Army's and its contractor's compliance with the standards of the Mineral Leasing Act for Acquired Lands, the Federal Oil and Gas Royalty Management Act, and the Bureau of Land Management Onshore Oil and Gas Operating and Production regulations.

(g) COVERED WELLS AT FORT KNOX.—In this section, the term "covered wells at Fort Knox" means the 26 wells located at Fort Knox, Kentucky, as of the date of the enactment of this Act.

Subtitle C—Logistics and Sustainment

SEC. 321. AUTHORIZING USE OF WORKING CAPITAL FUNDS FOR UNSPECIFIED MINOR MILITARY CONSTRUCTION PROJECTS RELATED TO REVITALIZATION AND RECAPITALIZATION OF DEFENSE INDUSTRIAL BASE FACILITIES.

Section 2208 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(u) USE FOR UNSPECIFIED MINOR MILITARY CONSTRUCTION PROJECTS TO REVITALIZE AND RECAPITALIZE DEFENSE INDUSTRIAL BASE FACILITIES.—(1) The Secretary of a military department may use a working capital fund of the department under this section to carry out an unspecified minor military construction project under

section 2805 for the revitalization and recapitalization of a defense industrial base facility owned by the United States and under the jurisdiction of the Secretary.

"(2) Section 2805 shall apply with respect to a project carried out with a working capital fund under the authority of this subsection in the same manner as such section applies to any unspecified minor military construction project under section 2805.

"(3) In this subsection, the term 'defense industrial base facility' means any Department of Defense depot, arsenal, shipyard, or plant located within the United States.

"(4) The authority to use a working capital fund to carry out a project under the authority of this subsection expires on September 30, 2023.".

SEC. 322. EXAMINATION OF NAVY VESSELS.

(a) NOTICE OF EXAMINATIONS.—Subsection (a) of section 7304 of title 10, United States Code, is amended—

(1) by striking "The Secretary" and inserting "(1) The Secretary"; and

(2) by adding at the end the following new paragraph:

"(2)(A) Except as provided in subparagraph (B), any naval vessel examined under this section on or after January 1, 2020, shall be examined with minimal notice provided to the crew of the vessel.

"(B) Subparagraph (A) shall not apply to a vessel undergoing necessary trials before acceptance into the fleet.".

(b) ANNUAL REPORT.—Such section is further amended by adding at the end the following new subsection:

"(d) ANNUAL REPORT.—(1) Not later than March 1 each year, the board designated under subsection (a) shall submit to the congressional defense committees a report setting forth the following:

"(A) An overall narrative summary of the material readiness of Navy ships as compared to established material requirements standards.

"(B) The overall number and types of vessels inspected during the preceding fiscal year.

"(C) For in-service vessels, material readiness trends by inspected functional area as compared to the previous five years.

"(2) Each report under this subsection shall be submitted in an unclassified form that is releasable to the public without further redaction.

"(3) No report shall be required under this subsection after October 1, 2021.".

SEC. 323. LIMITATION ON LENGTH OF OVERSEAS FORWARD DEPLOYMENT OF NAVAL VESSELS.

(a) LIMITATION.—

(1) IN GENERAL.—Chapter 633 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 7320. Limitation on length of overseas forward deployment of naval vessels

"(a) LIMITATION.—The Secretary of the Navy shall ensure that no naval vessel specified in subsection (b) that is listed in the Naval Vessel Register is forward deployed overseas for a period in excess

of ten years. At the end of a period of overseas forward deployment, the vessel shall be assigned a homeport in the United States.

"(b) VESSELS SPECIFIED.—A naval vessel specified in this subsection is any of the following:

"(1) Aircraft carrier.

"(2) Amphibious ship.

"(3) Cruiser.

"(4) Destroyer.

"(5) Frigate.

"(6) Littoral Combat Ship.

"(c) WAIVER.—The Secretary of the Navy may waive the limitation under subsection (a) with respect to a naval vessel if the Secretary submits to the congressional defense committees notice in writing of—

"(1) the waiver of such limitation with respect to the vessel;

"(2) the date on which the period of overseas forward deployment of the vessel is expected to end; and

"(3) the factors used by the Secretary to determine that a longer period of deployment would promote the national defense or be in the public interest.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new section:

"7320. Limitation on length of overseas forward deployment of naval vessels.".

(b) TREATMENT OF CURRENTLY DEPLOYED VESSELS.—In the case of any naval vessel that has been forward deployed overseas for a period in excess of ten years as of the date of the enactment of this Act, the Secretary of the Navy shall ensure that such vessel is assigned a homeport in the United States by not later than three years after the date of the enactment of this Act.

(c) CONGRESSIONAL BRIEFING.—Not later than October 1, 2020, the Secretary of the Navy shall provide to the Committees on Armed Services of the Senate and House of Representatives a briefing on the plan of the Secretary for the rotation of forward deployed naval vessels.

SEC. 324. TEMPORARY MODIFICATION OF WORKLOAD CARRYOVER FORMULA.

During the period beginning on the date of the enactment of this Act and ending on September 30, 2021, in carrying out chapter 9, volume 2B (relating to Instructions for the Preparation of Exhibit Fund-11a Carryover Reconciliation) of Department of Defense regulation 7000.14-R, entitled "Financial Management Regulation (FMR)", in addition to any other applicable exemptions, the Secretary of Defense shall ensure that with respect to each military department depot or arsenal, outlay rates—

(1) reflect the timing of when during a fiscal year appropriations have historically funded workload; and

(2) account for the varying repair cycle times of the workload supported.

SEC. 325. LIMITATION ON USE OF FUNDS FOR IMPLEMENTATION OF ELEMENTS OF MASTER PLAN FOR REDEVELOPMENT OF FORMER SHIP REPAIR FACILITY IN GUAM.

(a) LIMITATION.—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for the Navy for fiscal year 2019 may be obligated

or expended for any construction, alteration, repair, or development of the real property consisting of the Former Ship Repair Facility in Guam.

(b) EXCEPTION.—The limitation under subsection (a) does not apply to any project that directly supports depot-level ship maintenance capabilities, including the mooring of a floating dry dock.

(c) FORMER SHIP REPAIR FACILITY IN GUAM.—In this section, the term "Former Ship Repair Facility in Guam" means the property identified by that name under the base realignment and closure authority carried out under the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101–510; 10 U.S.C. 2687 note).

SEC. 326. BUSINESS CASE ANALYSIS FOR PROPOSED RELOCATION OF J85 ENGINE REGIONAL REPAIR CENTER.

(a) BUSINESS CASE ANALYSIS.—The Secretary of the Air Force shall prepare a business case analysis on the proposed relocation of the J85 Engine Regional Repair Center. Such analysis shall include each of the following:

(1) An overview of each alternative considered for the J85 Engine Regional Repair Center.

(2) The one-time and annual costs associated with each such alternative.

(3) The effect of each such alternative on workload capacity, capability, schedule, throughput, and costs.

(4) The effect of each such alternative on Government-furnished parts, components, and equipment, including mitigation strategies to address known limitations to T38 production throughput, especially such limitations caused by Government-furnished parts, equipment, or transportation.

(5) The effect of each such alternative on the transition of the Air Force to the T-X training aircraft.

(6) A detailed rationale for the selection of an alternative considered as part of the business case analysis under this section.

(b) LIMITATION ON USE OF FUNDS FOR RELOCATION.—None of the funds authorized to be appropriated by this Act, or otherwise made available for the Air Force, may be obligated or expended for any action to relocate the J85 Engine Regional Repair Center until the date that is 150 days after the date on which the Secretary of the Air Force provides to the Committees on Armed Services of the Senate and House of Representatives a briefing on the business case analysis required by subsection (a).

SEC. 327. REPORT ON PILOT PROGRAM FOR MICRO-REACTORS.

(a) REPORT REQUIRED.—Not later than 12 months after the date of enactment of this Act, the Secretary shall develop and submit to the Committee on Armed Services and the Committee on Energy and Commerce in the House of Representatives and the Committee on Armed Services and the Committee on Energy and Natural Resources in the Senate a report describing the requirements for, and components of, a pilot program to provide resilience for critical national security infrastructure at Department of Defense facilities with high energy intensity and currently expensive utility rates and Department of Energy facilities by contracting with a commercial entity to site, construct, and operate at least one licensed

micro-reactor at a facility identified under the report by December 31, 2027.

(b) CONSULTATION.—As necessary to develop the report required under subsection (a), the Secretary shall consult with—

(1) the Secretary of Defense;

(2) the Nuclear Regulatory Commission; and

(3) the Administrator of the General Services Administration.

(c) CONTENTS.—The report required under subsection (a) shall include—

(1) identification of potential locations to site, construct, and operate a micro-reactor at a Department of Defense or Department of Energy facility that contains critical national security infrastructure that the Secretary determines may not be energy resilient;

(2) assessments of different nuclear technologies to provide energy resiliency for critical national security infrastructure;

(3) a survey of potential commercial stakeholders with which to enter into a contract under the pilot program to construct and operate a licensed micro-reactor;

(4) options to enter into long-term contracting, including various financial mechanisms for such purpose;

(5) identification of requirements for micro-reactors to provide energy resilience to mission-critical functions at facilities identified under paragraph (1);

(6) an estimate of the costs of the pilot program;

(7) a timeline with milestones for the pilot program;

(8) an analysis of the existing authority of the Department of Energy and Department of Defense to permit the siting, construction, and operation of a micro-reactor; and

(9) recommendations for any legislative changes to the authorities analyzed under paragraph (8) necessary for the Department of Energy and the Department of Defense to permit the siting, construction, and operation of a micro-reactor.

(d) DEFINITIONS.—In this section:

(1) The term "critical national security infrastructure" means any site or installation that the Secretary of Energy or the Secretary of Defense determines supports critical mission functions of the national security enterprise.

(2) The term "licensed" means holding a license under section 103 or 104 of the Atomic Energy Act of 1954.

(3) The term "micro-reactor" means a nuclear reactor that has a power production capacity that is not greater than 50 megawatts.

(4) The term "pilot program" means the pilot program described in subsection (a).

(5) The term "Secretary" means Secretary of Energy.

(e) FORM.—The report required under subsection (a) shall be submitted in unclassified form, but may include a classified appendix.

(f) LIMITATIONS.—This Act does not authorize the Department of Energy or Department of Defense to enter into a contract with respect to the pilot program.

SEC. 328. LIMITATION ON MODIFICATIONS TO NAVY FACILITIES SUSTAINMENT, RESTORATION, AND MODERNIZATION STRUCTURE AND MECHANISM.

The Secretary of the Navy may not make any modification to the existing Navy Facilities Sustainment, Restoration, and Modernization structure or mechanism that would modify duty relationships or significantly alter the existing structure until 90 days after providing notice of the proposed modification to the congressional defense committees.

Subtitle D—Reports

SEC. 331. REPORTS ON READINESS.

(a) UNIFORM APPLICABILITY OF READINESS REPORTING SYSTEM.—Subsection (b) of section 117 of title 10, United States Code, is amended—

(1) by inserting "and maintaining" after "establishing";

(2) in paragraph (1), by striking "reporting system is applied uniformly throughout the Department of Defense" and inserting "reporting system and associated policies are applied uniformly throughout the Department of Defense, including between and among the joint staff and each of the armed forces";

(3) by redesignating paragraphs (2) and (3) as paragraphs (5) and (6), respectively;

(4) by inserting after paragraph (1) the following new paragraphs:

"(2) that is the single authoritative readiness reporting system for the Department, and that there shall be no military service specific systems;

"(3) that readiness assessments are accomplished at an organizational level at, or below, the level at which forces are employed;

"(4) that the reporting system include resources information, force posture, and mission centric capability assessments, as well as predicted changes to these attributes;"; and

(5) in paragraph (5), as redesignated by paragraph (3) of this subsection, by inserting ", or element of a unit," after "readiness status of a unit".

(b) CAPABILITIES OF READINESS REPORTING SYSTEM.—Such section is further amended in subsection (c)—

(1) in paragraph (1)—

(A) by striking "Measure, on a monthly basis, the capability of units" and inserting "Measure the readiness of units"; and

(B) by striking "conduct their assigned wartime missions" and inserting "conduct their designed and assigned missions";

(2) in paragraph (2)—

(A) by striking "Measure, on an annual basis," and inserting "Measure"; and

(B) by striking "wartime missions" and inserting "designed and assigned missions";

(3) in paragraph (3)—

(A) by striking "Measure, on an annual basis," and inserting "Measure"; and

(B) by striking "wartime missions" and inserting "designed and assigned missions";

(4) in paragraph (4), by striking "Measure, on a monthly basis," and inserting "Measure";

(5) in paragraph (5), by striking "Measure, on an annual basis," and inserting "Measure";

(6) by striking paragraphs (6) and (8) and redesignating paragraph (7) as paragraph (6); and

(7) in paragraph (6), as so redesignated, by striking "Measure, on a quarterly basis," and inserting "Measure".

(c) SEMI-ANNUAL AND MONTHLY JOINT READINESS REVIEWS.—Such section is further amended in subsection (d)(1)(A) by inserting ", which includes a validation of readiness data currency and accuracy" after "joint readiness review".

(d) QUARTERLY REPORT ON CHANGE IN CURRENT STATE OF UNIT READINESS.—Such section is further amended—

(1) by redesignating subsection (f) as subsection (h); and

(2) by inserting after subsection (e) the following new subsection (f):

"(f) QUARTERLY REPORT ON MONTHLY CHANGES IN CURRENT STATE OF READINESS OF UNITS.—For each quarter that begins after the date of the enactment of this subsection and ends on or before September 30, 2023, the Secretary shall submit to the congressional defense committees a report on each monthly upgrade or downgrade of the current state of readiness of a unit that was issued by the commander of a unit during the previous quarter, together with the rationale of the commander for the issuance of such upgrade or downgrade.".

(e) ANNUAL REPORT TO CONGRESS ON OPERATIONAL CONTRACT SUPPORT.—Such section is further amended by inserting after the new subsection (f), as added by subsection (d)(2) of this section, the following new subsection:

"(g) ANNUAL REPORT ON OPERATIONAL CONTRACT SUPPORT.—The Secretary shall each year submit to the congressional defense committees a report in writing containing the results of the most recent annual measurement of the capability of operational contract support to support current and anticipated wartime missions of the armed forces. Each such report shall be submitted in unclassified form, but may include a classified annex.".

(f) REGULATIONS.—Such section is further amended in subsection (h), as redesignated by subsection (d)(1) of this section, by striking "prescribe the units that are subject to reporting in the readiness reporting system, what type of equipment is subject to such reporting" and inserting "prescribe the established information technology system for Department of Defense reporting, specifically authorize exceptions to a single-system architecture, and identify the organizations, units, and entities that are subject to reporting in the readiness reporting system, what organization resources are subject to such reporting".

(g) CONFORMING AMENDMENTS.—

*(1) SECTION HEADING.—Such section is further amended in the section heading by striking "**: establishment; reporting to congressional committees**".*

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 2 is amended by striking the item relating to section 117 and inserting the following new item:

"117. Readiness reporting system.".

SEC. 332. MATTERS FOR INCLUSION IN QUARTERLY REPORTS ON PERSONNEL AND UNIT READINESS.

Section 482 of title 10, United States Code, is amended—

(1) in subsection (b)(1), by inserting after "deficiency" the following: "in the ground, sea, air, space, and cyber forces, and in such other such areas as determined by the Secretary of Defense,"; and

(2) in subsection (d)—

(A) in the subsection heading, by striking "ASSIGNED MISSION";

(B) by striking paragraph (3);

(C) by redesignating paragraphs (2) as paragraph (3); and

(D) by inserting after paragraph (1) the following new paragraph (2):

"(2) A report for the second or fourth quarter of a calendar year under this section shall also include an assessment by each commander of a geographic or functional combatant command of the readiness of the command to conduct operations in a multidomain battle that integrates ground, air, sea, space, and cyber forces.".

SEC. 333. ANNUAL COMPTROLLER GENERAL REVIEWS OF READINESS OF ARMED FORCES TO CONDUCT FULL SPECTRUM OPERATIONS.

(a) REVIEWS REQUIRED.—For each of calendar years 2018 through 2021, the Comptroller General of the United States shall conduct an annual review of the readiness of the Armed Forces to conduct each of the following types of full spectrum operations:

(1) Ground.

(2) Sea.

(3) Air.

(4) Space.

(5) Cyber.

(b) ELEMENTS OF REVIEW.—In conducting a review under subsection (a), the Comptroller General shall—

(1) use standard methodology and reporting formats in order to show changes over time;

(2) evaluate, using fiscal year 2017 as the base year of analysis—

(A) force structure;

(B) the ability of major operational units to conduct operations; and

(C) the status of equipment, manning, and training; and

(3) provide reasons for any variances in readiness levels, including changes in funding, availability in parts, training opportunities, and operational demands.

(c) METRICS.—For purposes of the reviews required by this section, the Secretary of Defense shall identify and establish metrics for measuring readiness for the operations covered by subsection (a). In

the first review conducted under this section, the Comptroller General shall evaluate and determine the validity of such metrics.

(d) ACCESS TO RELEVANT DATA.—For purposes of this section, the Secretary of Defense shall ensure that the Comptroller General has access to all relevant data, including—

(1) any assessments of the ability of the Department of Defense and the Armed Forces to execute operational and contingency plans;

(2) any internal Department readiness and force structure assessments; and

(3) the readiness databases of the Department and the Armed Forces.

(e) REPORTS.—

(1) ANNUAL REPORT.—Not later than February 28, 2019, and annually thereafter until 2022, the Comptroller General shall submit to the Committees on Armed Services of the Senate and House of Representatives an annual report on the review conducted under subsection (a) for the year preceding the year during which the report is submitted.

(2) ADDITIONAL REPORTS.—At the discretion of the Comptroller General, the Comptroller General may submit to the Committees on Armed Services of the Senate and House of Representatives additional reports addressing specific mission areas within the operations covered by subsection (a) in order to provide an independent assessment of readiness in the areas of equipping, mapping, and training.

SEC. 334. SURFACE WARFARE TRAINING IMPROVEMENT.

(a) FINDINGS.—Congress makes the following findings:

(1) In 2017, there were three collisions and one grounding involving United States Navy ships in the Western Pacific. The two most recent mishaps involved separate incidents of a Japan-based United States Navy destroyer colliding with a commercial merchant vessel, resulting in the combined loss of 17 sailors.

(2) The causal factors in these four mishaps are linked directly to a failure to take sufficient action in accordance with the rules of good seamanship.

(3) Because risks are high in the maritime environment, there are widely accepted standards for safe seamanship and navigation. In the United States, the International Convention on Standards of Training, Certification and Watchkeeping (hereinafter in this section referred to as the "STCW") for Seafarers, standardizes the skills and foundational knowledge a maritime professional must have in seamanship and navigation.

(4) Section 568 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2139) endorsed the STCW process and required the Secretary of Defense to maximize the extent to which Armed Forces service, training, and qualifications are creditable toward meeting merchant mariner licenses and certifications.

(5) The Surface Warfare Officer Course Curriculum is being modified to include ten individual Go/No Go Mariner Assessments/Competency Check Milestones to ensure standardization and quality of the surface warfare community.

(6) The Military-to-Mariner Transition report of September 2017 notes the Army maintains an extensive STCW qualifications program and that a similar Navy program does not exist.

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the Secretary of the Navy should establish a comprehensive individual proficiency assessment process and include such an assessment prior to all operational surface warfare officer tour assignments; and

(2) the Secretary of the Navy should significantly expand the STCW qualifications process to improve seamanship and navigation individual skills training for surface warfare candidates, surface warfare officers, quartermasters and operations specialists to include an increased set of courses that directly correspond to STCW standards.

(c) REPORT.—Not later than March 1, 2019, the Secretary of the Navy shall submit to the congressional defense committees a report that includes each of the following:

(1) A detailed description of the surface warfare officer assessments process.

(2) A list of programs that have been approved for credit toward merchant mariner credentials.

(3) A complete gap analysis of the existing surface warfare training curriculum and STCW.

(4) A complete gap analysis of the existing surface warfare training curriculum and the 3rd mate unlimited licensing requirement.

(5) An assessment of surface warfare options to complete the 3rd mate unlimited license and the STCW qualification.

SEC. 335. REPORT ON OPTIMIZING SURFACE NAVY VESSEL INSPECTIONS AND CREW CERTIFICATIONS.

(a) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of the Navy shall submit to Congress a report on optimizing surface Navy vessel inspections and crew certifications to reduce the burden of inspection type visits that vessels undergo. Such report shall include—

(1) an audit of all surface Navy vessel inspections, certifications, and required and recommended assist visits;

(2) an analysis of such inspections, certifications, and visits for redundancies, as well as any necessary items not covered;

(3) recommendations to streamline surface vessel inspections, certifications, and required and recommended assist visits to optimize effectiveness, improve material readiness, and restore training readiness; and

(4) recommendations for congressional action to address the needs of the Navy as identified in the report.

(b) CONGRESSIONAL BRIEFING.—Not later than January 31, 2019, the Secretary of the Navy shall provide to the Senate Committee on Armed Services and the House Committee on Armed Services an interim briefing on the matters to be included in the report required by subsection (a).

SEC. 336. REPORT ON DEPOT-LEVEL MAINTENANCE AND REPAIR.

The Secretary of Defense, in consultation with the heads of each of the military departments and the Chairman of the Joint Chiefs

of Staff, shall submit to the congressional defense committees a report on labor hours and depot maintenance, which shall include—

(1) the amount of public and private funding of depot-level maintenance and repair (as defined in section 2460 of title 10 United States Code) for the Department of Defense, Army, Navy, Marine Corps, Air Force, Special Operations Command, and any other unified command identified by the Secretary, expressed by commodity group by percentage and actual numbers in terms of dollars and direct labor hours;

(2) within each category of depot level maintenance and repair for each entities, the amount of the subset of depot maintenance workload that meets the description under section 2464 of title 10, United States Code, that is performed in the public and private sectors by direct labor hours and by dollars;

(3) of the subset referred to in paragraph (2), the amount of depot maintenance workload performed in the public and private sector by direct labor hour and by dollars for each entity that would otherwise be considered core workload under such section 2464, but is not considered core because a weapon system or equipment has not been declared a program of record; and

(4) the projections for the upcoming future years defense program, including the distinction between the Navy and the Marine Corps for the Department of the Navy, as well as any unified command, including the Special Operations Command.

SEC. 337. REPORT ON WILDFIRE SUPPRESSION CAPABILITIES OF ACTIVE AND RESERVE COMPONENTS.

(a) SENSE OF CONGRESS.—It is the sense of Congress that wildfires endanger national security.

(b) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report on the wildfire suppression capabilities within the active and reserve components of the Armed Forces, including the Modular Airborne Fire Fighting System Program, and interagency cooperation with the Forest Service and the Department of the Interior.

SEC. 338. REPORT ON RELOCATION OF STEAM TURBINE PRODUCTION FROM NIMITZ-CLASS AND FORD-CLASS AIRCRAFT CARRIERS AND VIRGINIA-CLASS AND COLUMBIA-CLASS SUBMARINES.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Under Secretary of Defense for Acquisition, Technology, and Logistics and the Assistant Secretary of the Navy for Research, Development, and Acquisition, shall develop and submit to Congress a report describing the potential impacts on national defense and the manufacturing base resulting from contractors or subcontractors relocating steam turbine production for Nimitz-class and Ford-class aircraft carriers and Virginia-class and Columbia-class submarines. Such report shall address each of the following:

(1) The overall risk of moving production on the national security of the United States, including the likelihood of production delay or reduction in quality of steam turbines.

(2) The impact on national security from a delay in production of aircraft carriers and submarines.

(3) The impacts on regional suppliers the current production of steam turbines draw on and their ability to perform other contracts should a relocation happen.

(4) The impact on the national industrial and manufacturing base and loss of a critically skilled workforce resulting from a relocation of production.

(5) The risk of moving production on total cost of the acquisition.

SEC. 339. REPORT ON SPECIALIZED UNDERGRADUATE PILOT TRAINING PRODUCTION, RESOURCING, AND LOCATIONS.

(a) IN GENERAL.—Not later than March 1, 2019, the Secretary of the Air Force shall submit to the congressional defense committees a report on existing Specialized Undergraduate Pilot Training (SUPT) production, resourcing, and locations.

(b) ELEMENTS.—The report required under subsection (a) shall include the following elements:

(1) A description of the strategy of the Air Force for utilizing existing SUPT locations to produce the number of pilots the Air Force requires.

(2) The number of pilots that each SUPT location has graduated, by year, over the previous 5 fiscal years.

(3) The forecast number of pilots that each SUPT location will produce for fiscal year 2019.

(4) The maximum production capacity of each SUPT location.

(5) The extent to which existing SUPT installations are operating at maximum capacity in terms of pilot production.

(6) A cost estimate of the resources required for each SUPT location to reach maximum production capacity.

(7) A determination as to whether increasing production capacity at existing SUPT locations will satisfy the Air Force's SUPT requirement.

(8) A timeline and cost estimation of establishing a new SUPT location.

(9) A discussion of whether the Air Force plans to operate existing SUPT installations at maximum capacity over the future years defense program.

(10) A business case analysis comparing the establishment of a new SUPT location to increasing production capacity at existing SUPT locations.

SEC. 340. REPORT ON AIR FORCE AIRFIELD OPERATIONAL REQUIREMENTS.

(a) IN GENERAL.—Not later than February 1, 2019, the Secretary of the Air Force shall conduct an assessment and submit to the congressional defense committees a report detailing the operational requirements for Air Force airfields.

(b) ELEMENTS.—The report required under subsection (a) shall include the following elements:

(1) An assessment of the state of airfields where runway degradation currently poses a threat to operations and airfields where such degradation threatens operations in the next five and ten years.

(2) A description of the operational requirements for airfields, including an assessment of the impact to operations, cost to repair, cost to replace, remaining useful life, and the required

daily maintenance to ensure runways are acceptable for full operations.

(3) A description of any challenges with infrastructure acquisition methods and processes.

(4) An assessment of the operational impact in the event a runway were to become inoperable due to a major degradation incident, such as a crack or fracture resulting from lack of maintenance and repair.

(5) A plan to address any shortfalls associated with the Air Force's runway infrastructure.

(c) FORM.—The report required under subsection (a) shall be in unclassified form but may contain a classified annex as necessary.

SEC. 341. REPORT ON NAVY SURFACE SHIP REPAIR CONTRACT COSTS.

(a) REPORT REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report on Navy surface ship repair contract costs.

(b) ELEMENTS.—The report required under subsection (a) shall include, for each private sector maintenance availability for a conventionally-powered Navy surface ship for the prior two completed fiscal years, the following elements:

(1) Name of the ship.

(2) Location of the availability.

(3) Prime contractor performing the availability.

(4) Date of the contract award.

(5) Type of contract used, such as firm-fixed-price or cost-plus-fixed-fee.

(6) Solicitation number.

(7) Number of offers received in response to the solicitation.

(8) Contract target cost at the date of contract award.

(9) Contract ceiling cost of the contract at the date of contract award.

(10) Duration of the availability in days, including start and end dates, at the date of contract award.

(11) Final contract cost.

(12) Final delivery cost.

(13) Actual duration of the availability in days, including start and end dates.

(14) Description of growth work that was added after the contract award, including the associated cost.

(15) Explanation of why the growth work described in paragraph (14) was not included in the scope of work associated with the original contract award.

Subtitle E—Other Matters

SEC. 351. COAST GUARD REPRESENTATION ON EXPLOSIVE SAFETY BOARD.

Section 172(a) of title 10, United States Code, is amended—

(1) by striking "and Marine Corps" and inserting "Marine Corps, and Coast Guard"; and

(2) by adding at the end the following new sentence: "When the Coast Guard is not operating as a service in the Department of the Navy, the Secretary of Homeland Security shall appoint

an officer of the Coast Guard to serve as a voting member of the board.".

SEC. 352. TRANSPORTATION TO CONTINENTAL UNITED STATES OF RETIRED MILITARY WORKING DOGS OUTSIDE THE CONTINENTAL UNITED STATES THAT ARE SUITABLE FOR ADOPTION IN THE UNITED STATES.

Section 2583(f) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(3)(A) In the case of a military working dog located outside the continental United States at the time of retirement that is suitable for adoption at that time, the Secretary of the military department concerned shall undertake transportation of the dog to the continental United States (including transportation by contract at United States expense) for adoption under this section unless—

"(i) the dog is adopted as described in paragraph (2)(A); or

"(ii) transportation of the dog to the continental United States would not be in the best interests of the dog for medical reasons.

"(B) Nothing in this paragraph shall be construed to alter the preference in adoption of retired military working dogs for former handlers as set forth in subsection (g).".

SEC. 353. SCOPE OF AUTHORITY FOR RESTORATION OF LAND DUE TO MISHAP.

Subsection (e) of section 2691 of title 10, United States Code, as added by section 2814 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1849), is amended by adding at the end the following new paragraph:

"(3) The authority under paragraphs (1) and (2) includes activities and expenditures necessary to complete restoration to meet the regulations of the Federal department or agency with administrative jurisdiction over the affected land, which may be different than the regulations of the Department of Defense.".

SEC. 354. REPURPOSING AND REUSE OF SURPLUS ARMY FIREARMS.

Section 348(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1365) is amended by inserting "shredded or" before "melted and repurposed".

SEC. 355. STUDY ON PHASING OUT OPEN BURN PITS.

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report that includes—

(1) details of any ongoing use of open burn pits; and

(2) the feasibility of phasing out the use of open burn pits by using technology incinerators.

(b) OPEN BURN PIT DEFINED.—In this section, the term "open burn pit" means an area of land—

(1) that is designated by the Secretary of Defense to be used for disposing solid waste by burning in the outdoor air; and

(2) does not contain a commercially manufactured incinerator or other equipment specifically designed and manufactured for the burning of solid waste.

SEC. 356. NOTIFICATION REQUIREMENTS RELATING TO CHANGES TO UNIFORM OF MEMBERS OF THE UNIFORMED SERVICES.

(a) DLA NOTIFICATION.—The Secretary of a military department shall notify the Commander of the Defense Logistics Agency of any plan to implement a change to any uniform or uniform component of a member of the uniformed services. Such notification shall be made not less than three years prior to the implementation of such change.

(b) CONTRACTOR NOTIFICATION.—The Commander of the Defense Logistics Agency shall notify a contractor when one of the uniformed services plans to make a change to a uniform component that is provided by that contractor. Such a notification shall be made not less than 12 months prior to any announcement of a public solicitation for the manufacture of the new uniform component.

(c) WAIVER.—If the Secretary of a military department or the Commander of the Defense Logistics Agency determines that the notification requirement under subsection (a) would adversely affect operational safety, force protection, or the national security interests of the United States, the Secretary or the Commander may waive such requirement.

SEC. 357. REPORTING ON FUTURE YEARS BUDGETING BY SUBACTIVITY GROUP.

Along with the budget for each fiscal year submitted by the President pursuant to section 1105(a) of title 31, United States Code, the Secretary of Defense and the Secretaries of the military departments shall include in the OP-5 Justification Books, as detailed by Department of Defense Financial Management Regulation 7000.14–R, the amount for each individual subactivity group, as detailed in the Department's future years defense program pursuant to section 221 of title 10, United States Code.

SEC. 358. LIMITATION ON AVAILABILITY OF FUNDS FOR SERVICE-SPECIFIC DEFENSE READINESS REPORTING SYSTEMS.

(a) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2019 for research, development, test, and evaluation or procurement, and available to develop service-specific Defense Readiness Reporting Systems (referred to in this section as "DRRS") may be made available for such purpose except for required maintenance and in order to facilitate the transition to DRRS-Strategic (referred to in this section as "DRRS-S").

(b) PLAN.—Not later than February 1, 2019, the Under Secretary for Personnel and Readiness shall submit to the congressional defense committees a resource and funding plan to include a schedule with relevant milestones on the elimination of service-specific DRRS and the migration of the military services and other organizations to DRRS-S.

(c) TRANSITION.—The military services shall complete the transition to DRRS-S not later than October 1, 2019. The Secretary of Defense shall notify the congressional defense committees upon the complete transition of the services.

(d) REPORTING REQUIREMENT.—

(1) IN GENERAL.—The Under Secretary for Personnel and Readiness, the Under Secretary for Acquisition and Sustainment, and the Under Secretary for Research and Engineering, in coordination with the Secretaries of the military de-

partments and other organizations with relevant technical expertise, shall establish a working group including individuals with expertise in application or software development, data science, testing, and development and assessment of performance metrics to assess the current process for collecting, analyzing, and communicating readiness data, and develop a strategy for implementing any recommended changes to improve and establish readiness metrics using the current DRRS-Strategic platform.

(2) ELEMENTS.—The assessment conducted pursuant to paragraph (1) shall include—

(A) identification of modern tools, methods, and approaches to readiness to more effectively and efficiently collect, analyze, and make decision based on readiness data; and

(B) consideration of cost and schedule.

(3) SUBMISSION TO CONGRESS.—Not later than February 1, 2020, the Secretary of Defense shall submit to the congressional defense committees the assessment conducted pursuant to paragraph (1).

(e) DEFENSE READINESS REPORTING REQUIREMENTS.—To the maximum extent practicable, the Secretary of Defense shall meet defense readiness reporting requirements consistent with the recommendations of the working group established under subsection (d)(1).

SEC. 359. PRIORITIZATION OF ENVIRONMENTAL IMPACTS FOR FACILITIES SUSTAINMENT, RESTORATION, AND MODERNIZATION DEMOLITION.

The Secretary of Defense shall establish prioritization metrics for facilities deemed eligible for demolition within the Facilities Sustainment, Restoration, and Modernization (FSRM) process. Those metrics shall include full spectrum readiness and environmental impacts, including the removal of contamination.

SEC. 360. SENSE OF CONGRESS RELATING TO SOO LOCKS, SAULT SAINTE MARIE, MICHIGAN.

It is the sense of Congress that—

(1) the Soo Locks in Sault Ste. Marie, Michigan, are of critical importance to the national security of the United States;

(2) the Soo Locks are the only waterway connection from Lake Superior to the Lower Great Lakes and the St. Lawrence Seaway;

(3) only the Poe Lock is of sufficient size to allow for the passage of the largest cargo vessels that transport well over 90 percent of all iron ore mined in the United States, and this lock is nearing the end of its 50-year useful lifespan;

(4) a report issued by the Office of Cyber and Infrastructure Analysis of the Department of Homeland Security concluded that an unscheduled 6-month outage of the Poe Lock would cause—

(A) a dramatic increase in national and regional unemployment; and

(B) 75 percent of Great Lakes steel production, and nearly all North American appliance, automobile, railcar, and construction, farm, and mining equipment production to cease;

(5) the Corps of Engineers is reevaluating a past economic evaluation report to update the benefit-to-cost ratio for building a new lock at the Soo Locks; and

(6) the Secretary of the Army and all relevant Federal agencies should—

(A) expedite the completion of the report described in paragraph (5) and ensure the analysis adequately reflects the critical importance of the Soo Locks infrastructure to the national security and economy of the United States; and

(B) expedite all other necessary reviews, analysis, and approvals needed to speed the required upgrades at the Soo Locks.

SEC. 361. U.S. SPECIAL OPERATIONS COMMAND CIVILIAN PERSONNEL.

Notwithstanding section 143 of title 10, United States Code, of the funds authorized to be appropriated by this Act for Operation and Maintenance, Defense-wide for United States Special Operations Command civilian personnel, not less than $4,000,000 shall be used to fund additional civilian personnel in or directly supporting the office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict to support the Assistant Secretary in fulfilling the additional responsibilities of the Assistant Secretary that were added by the amendments to sections 138(b)(4), 139b, and 167 of title 10, United States Code, made by section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

Subtitle A—Active Forces

Sec. 401. End strengths for active forces.
Sec. 402. Revisions in permanent active duty end strength minimum levels.

Subtitle B—Reserve Forces

Sec. 411. End strengths for Selected Reserve.
Sec. 412. End strengths for reserves on active duty in support of the reserves.
Sec. 413. End strengths for military technicians (dual status).
Sec. 414. Maximum number of reserve personnel authorized to be on active duty for operational support.

Subtitle C—Authorization of Appropriations

Sec. 421. Military personnel.

Subtitle A—Active Forces

SEC. 401. END STRENGTHS FOR ACTIVE FORCES.

The Armed Forces are authorized strengths for active duty personnel as of September 30, 2019, as follows:

(1) The Army, 487,500.

(2) The Navy, 335,400.

(3) The Marine Corps, 186,100.

(4) The Air Force, 329,100.

SEC. 402. REVISIONS IN PERMANENT ACTIVE DUTY END STRENGTH MINIMUM LEVELS.

Section 691(b) of title 10, United States Code, is amended by striking paragraphs (1) through (4) and inserting the following new paragraphs:

"(1) For the Army, 487,500.
"(2) For the Navy, 335,400.
"(3) For the Marine Corps, 186,100.
"(4) For the Air Force, 329,100.".

Subtitle B—Reserve Forces

SEC. 411. END STRENGTHS FOR SELECTED RESERVE.

(a) IN GENERAL.—The Armed Forces are authorized strengths for Selected Reserve personnel of the reserve components as of September 30, 2019, as follows:

(1) The Army National Guard of the United States, 343,500.
(2) The Army Reserve, 199,500.
(3) The Navy Reserve, 59,100.
(4) The Marine Corps Reserve, 38,500.
(5) The Air National Guard of the United States, 107,100.
(6) The Air Force Reserve, 70,000.
(7) The Coast Guard Reserve, 7,000.

(b) END STRENGTH REDUCTIONS.—The end strengths prescribed by subsection (a) for the Selected Reserve of any reserve component shall be proportionately reduced by—

(1) the total authorized strength of units organized to serve as units of the Selected Reserve of such component which are on active duty (other than for training) at the end of the fiscal year; and

(2) the total number of individual members not in units organized to serve as units of the Selected Reserve of such component who are on active duty (other than for training or for unsatisfactory participation in training) without their consent at the end of the fiscal year.

(c) END STRENGTH INCREASES.—Whenever units or individual members of the Selected Reserve of any reserve component are released from active duty during any fiscal year, the end strength prescribed for such fiscal year for the Selected Reserve of such reserve component shall be increased proportionately by the total authorized strengths of such units and by the total number of such individual members.

SEC. 412. END STRENGTHS FOR RESERVES ON ACTIVE DUTY IN SUPPORT OF THE RESERVES.

Within the end strengths prescribed in section 411(a), the reserve components of the Armed Forces are authorized, as of September 30, 2019, the following number of Reserves to be serving on full-time active duty or full-time duty, in the case of members of the National Guard, for the purpose of organizing, administering, recruiting, instructing, or training the reserve components:

(1) The Army National Guard of the United States, 30,595.
(2) The Army Reserve, 16,386.
(3) The Navy Reserve, 10,110.
(4) The Marine Corps Reserve, 2,261.
(5) The Air National Guard of the United States, 19,861.
(6) The Air Force Reserve, 3,849.

SEC. 413. END STRENGTHS FOR MILITARY TECHNICIANS (DUAL STATUS).

The minimum number of military technicians (dual status) as of the last day of fiscal year 2019 for the reserve components of the Army and the Air Force (notwithstanding section 129 of title 10, United States Code) shall be the following:

(1) For the Army National Guard of the United States, 22,294.

(2) For the Army Reserve, 6,492.

(3) For the Air National Guard of the United States, 15,861.

(4) For the Air Force Reserve, 8,880.

SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AUTHORIZED TO BE ON ACTIVE DUTY FOR OPERATIONAL SUPPORT.

During fiscal year 2019, the maximum number of members of the reserve components of the Armed Forces who may be serving at any time on full-time operational support duty under section 115(b) of title 10, United States Code, is the following:

(1) The Army National Guard of the United States, 17,000.

(2) The Army Reserve, 13,000.

(3) The Navy Reserve, 6,200.

(4) The Marine Corps Reserve, 3,000.

(5) The Air National Guard of the United States, 16,000.

(6) The Air Force Reserve, 14,000.

Subtitle C—Authorization of Appropriations

SEC. 421. MILITARY PERSONNEL.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for military personnel, as specified in the funding table in section 4401.

(b) CONSTRUCTION OF AUTHORIZATION.—The authorization of appropriations in subsection (a) supersedes any other authorization of appropriations (definite or indefinite) for such purpose for fiscal year 2019.

TITLE V—MILITARY PERSONNEL POLICY

Subtitle A—Officer Personnel Policy

Sec. 501. Repeal of requirement for ability to complete 20 years of service by age 62 as qualification for original appointment as a regular commissioned officer.

Sec. 502. Enhancement of availability of constructive service credit for private sector training or experience upon original appointment as a commissioned officer.

Sec. 503. Standardized temporary promotion authority across the military departments for officers in certain grades with critical skills.

Sec. 504. Authority for promotion boards to recommend officers of particular merit be placed higher on a promotion list.

Sec. 505. Authority for officers to opt out of promotion board consideration.

Sec. 506. Applicability to additional officer grades of authority for continuation on active duty of officers in certain military specialties and career tracks.

Sec. 507. Alternative promotion authority for officers in designated competitive categories of officers.

Sec. 508. Attending Physician to the Congress.

Sec. 509. Matters relating to satisfactory service in grade for purposes of retirement grade of officers in highest grade of satisfactory service.

Sec. 510. Grades of Chiefs of Chaplains.

Sec. 511. Repeal of original appointment qualification requirement for warrant officers in the regular Army.
Sec. 512. Reduction in number of years of active naval service required for permanent appointment as a limited duty officer.
Sec. 513. Authority to designate certain reserve officers as not to be considered for selection for promotion.
Sec. 514. GAO review of surface warfare career paths.

Subtitle B—Reserve Component Management

Sec. 515. Authorized strength and distribution in grade.
Sec. 516. Repeal of prohibition on service on Army Reserve Forces Policy Committee by members on active duty.
Sec. 517. Expansion of personnel subject to authority of the Chief of the National Guard Bureau in the execution of functions and missions of the National Guard Bureau.
Sec. 518. Authority to adjust effective date of promotion in the event of undue delay in extending Federal recognition of promotion.
Sec. 519. National Guard Youth Challenge Program.
Sec. 520. Extension of authority for pilot program on use of retired senior enlisted members of the Army National Guard as Army National Guard recruiters.

Subtitle C—General Service Authorities and Correction of Military Records

Sec. 521. Enlistments vital to the national interest.
Sec. 522. Statement of benefits.
Sec. 523. Modification to forms of support that may be accepted in support of the mission of the Defense POW/MIA Accounting Agency.
Sec. 524. Assessment of Navy standard workweek and related adjustments.
Sec. 525. Notification on manning of afloat naval forces.
Sec. 526. Navy watchstander records.
Sec. 527. Qualification experience requirements for certain Navy watchstations.

Subtitle D—Military Justice

Sec. 531. Inclusion of strangulation and suffocation in conduct constituting aggravated assault for purposes of the Uniform Code of Military Justice.
Sec. 532. Punitive article on domestic violence under the Uniform Code of Military Justice.
Sec. 533. Authorities of Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces.
Sec. 534. Report on feasibility of expanding services of the Special Victims' Counsel to victims of domestic violence.
Sec. 535. Uniform command action form on disposition of unrestricted sexual assault cases involving members of the Armed Forces.
Sec. 536. Standardization of policies related to expedited transfer in cases of sexual assault or domestic violence.

Subtitle E—Other Legal Matters

Sec. 541. Clarification of expiration of term of appellate military judges of the United States Court of Military Commission Review.
Sec. 542. Security clearance reinvestigation of certain personnel who commit certain offenses.
Sec. 543. Development of oversight plan for implementation of Department of Defense harassment prevention and response policy.
Sec. 544. Oversight of registered sex offender management program.
Sec. 545. Development of resource guides regarding sexual assault for the military service academies.
Sec. 546. Improved crime reporting.
Sec. 547. Report on victims of sexual assault in reports of military criminal investigative organizations.

Subtitle F—Member Education, Training, Resilience, and Transition

Sec. 551. Permanent career intermission program.
Sec. 552. Improvements to Transition Assistance Program.
Sec. 553. Repeal of program on encouragement of postseparation public and community service.
Sec. 554. Clarification of application and honorable service requirements under the Troops-to-Teachers Program to members of the Retired Reserve.

Sec. 555. Employment and compensation of civilian faculty members at the Joint Special Operations University.
Sec. 556. Program to assist members of the Armed Forces in obtaining professional credentials.
Sec. 557. Enhancement of authorities in connection with Junior Reserve Officers' Training Corps programs.
Sec. 558. Expansion of period of availability of Military OneSource program for retired and discharged members of the Armed Forces and their immediate families.
Sec. 559. Prohibition on use of funds for attendance of enlisted personnel at senior level and intermediate level officer professional military education courses.

Subtitle G—Defense Dependents' Education

Sec. 561. Assistance to schools with military dependent students.
Sec. 562. Department of Defense Education Activity policies and procedures on sexual harassment of students of Activity schools.
Sec. 563. Department of Defense Education Activity misconduct database.
Sec. 564. Assessment and report on active shooter threat mitigation at schools located on military installations.

Subtitle H—Military Family Readiness Matters

Sec. 571. Department of Defense Military Family Readiness Council matters.
Sec. 572. Enhancement and clarification of family support services for family members of members of special operations forces.
Sec. 573. Temporary expansion of authority for noncompetitive appointments of military spouses by Federal agencies.
Sec. 574. Improvement of My Career Advancement Account program for military spouses.
Sec. 575. Assessment and report on the effects of permanent changes of station on employment among military spouses.
Sec. 576. Provisional or interim clearances to provide childcare services at military childcare centers.
Sec. 577. Multidisciplinary teams for military installations on child abuse and other domestic violence.
Sec. 578. Pilot program for military families: prevention of child abuse and training on safe childcare practices.
Sec. 579. Assessment and report on small business activities of military spouses on military installations in the United States.

Subtitle I—Decorations and Awards

Sec. 581. Atomic veterans service certificate.
Sec. 582. Award of medals or other commendations to handlers of military working dogs.
Sec. 583. Authorization for award of distinguished-service cross to Justin T. Gallegos for acts of valor during Operation Enduring Freedom.

Subtitle J—Miscellaneous Reports and Other Matters

Sec. 591. Annual defense manpower requirements report matters.
Sec. 592. Burial of unclaimed remains of inmates at the United States Disciplinary Barracks Cemetery, Fort Leavenworth, Kansas.
Sec. 593. Standardization of frequency of academy visits of the Air Force Academy Board of Visitors with academy visits of boards of other military service academies.
Sec. 594. National Commission on Military, National, and Public Service matters.
Sec. 595. Public availability of top-line numbers of deployed members of the Armed Forces.
Sec. 596. Report on general and flag officer costs.
Sec. 597. Study on active service obligations for medical training with other service obligations for education or training and health professional recruiting.
Sec. 598. Criteria for interment at Arlington National Cemetery.
Sec. 599. Limitation on use of funds pending submittal of report on Army Marketing and Advertising Program.
Sec. 600. Proof of period of military service for purposes of interest rate limitation under the Servicemembers Civil Relief Act.

Subtitle A—Officer Personnel Policy

SEC. 501. REPEAL OF REQUIREMENT FOR ABILITY TO COMPLETE 20 YEARS OF SERVICE BY AGE 62 AS QUALIFICATION FOR ORIGINAL APPOINTMENT AS A REGULAR COMMISSIONED OFFICER.

(a) REPEAL.—Subsection (a) of section 532 of title 10, United States Code, is amended—

(1) by striking paragraph (2); and

(2) by redesignating paragraphs (3), (4), and (5) as paragraphs (2), (3), and (4), respectively.

(b) CONFORMING AMENDMENT.—Such section is further amended by striking subsection (d).

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on the date of the enactment of this Act, and shall apply with respect to original appointments of regular commissioned officers of the Armed Forces made on or after that date.

SEC. 502. ENHANCEMENT OF AVAILABILITY OF CONSTRUCTIVE SERVICE CREDIT FOR PRIVATE SECTOR TRAINING OR EXPERIENCE UPON ORIGINAL APPOINTMENT AS A COMMISSIONED OFFICER.

(a) REGULAR OFFICERS.—

(1) IN GENERAL.—Subsection (b) of section 533 of title 10, United States Code, is amended—

(A) in paragraph (1), by striking subparagraph (D) and inserting the following new subparagraph (D):

"(D) Additional credit for special training or experience in a particular officer career field as designated by the Secretary concerned, if such training or experience is directly related to the operational needs of the armed force concerned."; and

(B) in paragraph (2)—

(i) by striking "Except as authorized by the Secretary concerned in individual cases and under regulations prescribed by the Secretary of Defense in the case of a medical or dental officer, the amount" and inserting "The amount"; and

(ii) by striking "in the grade of major in the Army, Air Force, or Marine Corps or lieutenant commander in the Navy" and inserting "in the grade of colonel in the Army, Air Force, or Marine Corps or captain in the Navy".

(2) REPEAL OF TEMPORARY AUTHORITY FOR SERVICE CREDIT FOR CRITICALLY NECESSARY CYBERSPACE-RELATED EXPERIENCE.—Such section is further amended—

(A) in subsections (a)(2) and (c), by striking "or (g)"; and

(B) by striking subsection (g).

(b) RESERVE OFFICERS.—

(1) IN GENERAL.—Subsection (b) of section 12207 of title 10, United States Code, is amended—

(A) in paragraph (1), by striking subparagraph (D) and inserting the following new subparagraph (D):

"(D) Additional credit for special training or experience in a particular officer career field as designated by the Secretary concerned, if such training or experience is directly related to the operational needs of the armed force concerned."; and

(B) by striking paragraph (3) and inserting the following new paragraph (3):

"(3) The amount of constructive service credit credited to an officer under this subsection may not exceed the amount required in order for the officer to be eligible for an original appointment as a reserve officer of the Army, Air Force, or Marine Corps in the grade of colonel or as a reserve officer of the Navy in the grade of captain.".

(2) REPEAL OF TEMPORARY AUTHORITY FOR SERVICE CREDIT FOR CRITICALLY NECESSARY CYBERSPACE-RELATED EXPERIENCE.—Such section is further amended—

(A) by striking subsection (e);

(B) by redesignating subsections (f) and (g) as subsections (e) and (f), respectively; and

(C) in subsection (e), as redesignated by subparagraph (B), by striking ", (d), or (e)" and inserting "or (d)".

SEC. 503. STANDARDIZED TEMPORARY PROMOTION AUTHORITY ACROSS THE MILITARY DEPARTMENTS FOR OFFICERS IN CERTAIN GRADES WITH CRITICAL SKILLS.

(a) STANDARDIZED TEMPORARY PROMOTION AUTHORITY.—

(1) IN GENERAL.—Chapter 35 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 605. Promotion to certain grades for officers with critical skills: colonel, lieutenant colonel, major, captain; captain, commander, lieutenant commander, lieutenant

"(a) IN GENERAL.—An officer in the grade of first lieutenant, captain, major, or lieutenant colonel in the Army, Air Force, or Marine Corps, or lieutenant (junior grade), lieutenant, lieutenant commander, or commander in the Navy, who is described in subsection (b) may be temporarily promoted to the grade of captain, major, lieutenant colonel, or colonel in the Army, Air Force, or Marine Corps, or lieutenant, lieutenant commander, commander, or captain in the Navy, as applicable, under regulations prescribed by the Secretary of the military department concerned. Appointments under this section shall be made by the President, by and with the advice and consent of the Senate.

"(b) COVERED OFFICERS.—An officer described in this subsection is any officer in a grade specified in subsection (a) who—

"(1) has a skill in which the armed force concerned has a critical shortage of personnel (as determined by the Secretary of the military department concerned); and

"(2) is serving in a position (as determined by the Secretary of the military department concerned) that—

"(A) is designated to be held by a captain, major, lieutenant colonel, or colonel in the Army, Air Force, or Marine Corps, or lieutenant, lieutenant commander, commander, or captain in the Navy, as applicable; and

"(B) requires that an officer serving in such position have the skill possessed by such officer.

"(c) PRESERVATION OF POSITION AND STATUS OF OFFICERS APPOINTED.—An appointment under this section does not change the position on the active-duty list or the permanent, probationary, or

acting status of the officer so appointed, prejudice the officer in regard to other promotions or appointments, or abridge the rights or benefits of the officer.

"(d) BOARD RECOMMENDATION REQUIRED.—A temporary promotion under this section may be made only upon the recommendation of a board of officers convened by the Secretary of the military department concerned for the purpose of recommending officers for such promotions.

"(e) ACCEPTANCE AND EFFECTIVE DATE OF APPOINTMENT.—Each appointment under this section, unless expressly declined, is, without formal acceptance, regarded as accepted on the date such appointment is made, and a member so appointed is entitled to the pay and allowances of the grade of the temporary promotion under this section from the date the appointment is made.

"(f) TERMINATION OF APPOINTMENT.—Unless sooner terminated, an appointment under this section terminates—

"(1) on the date the officer who received the appointment is promoted to the permanent grade of captain, major, lieutenant colonel, or colonel in the Army, Air Force, or Marine Corps, or lieutenant, lieutenant commander, commander, or captain in the Navy; or

"(2) on the date the officer is detached from a position described in subsection (b)(2), unless the officer is on a promotion list to the permanent grade of captain, major, lieutenant colonel, or colonel in the Army, Air Force, or Marine Corps, or lieutenant, lieutenant commander, commander, or captain in the Navy, in which case the appointment terminates on the date the officer is promoted to that grade.

"(g) LIMITATION ON NUMBER OF ELIGIBLE POSITIONS.—An appointment under this section may only be made for service in a position designated by the Secretary of the military department concerned for the purposes of this section. The number of positions so designated may not exceed the following:

"(1) In the case of the Army—
"(A) as captain, 120;
"(B) as major, 350;
"(C) as lieutenant colonel, 200; and
"(D) as colonel, 100.

"(2) In the case of the Air Force—
"(A) as captain, 100;
"(B) as major, 325;
"(C) as lieutenant colonel, 175; and
"(D) as colonel, 80.

"(3) In the case of the Marine Corps—
"(A) as captain, 50;
"(B) as major, 175;
"(C) as lieutenant colonel, 100; and
"(D) as colonel, 50.

"(4) In the case of the Navy—
"(A) as lieutenant, 100;
"(B) as lieutenant commander, 325;
"(C) as commander, 175; and
"(D) as captain, 80.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 35 of such title is amended by adding at the end the following new item:

"605. Promotion to certain grades for officers with critical skills: colonel, lieutenant colonel, major, captain; captain, commander, lieutenant commander, lieutenant.".

(b) REPEAL OF SUPERSEDED AUTHORITY APPLICABLE TO NAVY LIEUTENANTS.—

(1) REPEAL.—Chapter 544 of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENTS.—The tables of chapters at the beginning of title 10, United States Code, and at the beginning of subtitle C of such title, are each amended by striking the item relating to chapter 544.

SEC. 504. AUTHORITY FOR PROMOTION BOARDS TO RECOMMEND OFFICERS OF PARTICULAR MERIT BE PLACED HIGHER ON A PROMOTION LIST.

(a) IN GENERAL.—Section 616 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(g)(1) In selecting the officers to be recommended for promotion, a selection board may, when authorized by the Secretary of the military department concerned, recommend officers of particular merit, from among those officers selected for promotion, to be placed higher on the promotion list established by the Secretary under section 624(a)(1) of this title.

"(2) An officer may be recommended to be placed higher on a promotion list under paragraph (1) only if the officer receives the recommendation of at least a majority of the members of the board, unless the Secretary concerned establishes an alternative requirement. Any such alternative requirement shall be furnished to the board as part of the guidelines furnished to the board under section 615 of this title.

"(3) For the officers recommended to be placed higher on a promotion list under paragraph (1), the board shall recommend the order in which those officers should be placed on the list.".

(b) PROMOTION SELECTION BOARD REPORTS RECOMMENDING OFFICERS OF PARTICULAR MERIT BE PLACED HIGHER ON PROMOTION LIST.—Section 617 of such title is amended by adding at the end the following new subsection:

"(d) A selection board convened under section 611(a) of this title shall, when authorized under section 616(g) of this title, include in its report to the Secretary concerned the names of those officers recommended by the board to be placed higher on the promotion list and the order in which the board recommends that those officers should be placed on the list.".

(c) OFFICERS OF PARTICULAR MERIT APPEARING HIGHER ON PROMOTION LIST.—Section 624(a)(1) of such title is amended in the first sentence by adding at the end "or based on particular merit, as determined by the promotion board".

SEC. 505. AUTHORITY FOR OFFICERS TO OPT OUT OF PROMOTION BOARD CONSIDERATION.

(a) ACTIVE-DUTY LIST OFFICERS.—Section 619 of title 10, United States Code, is amended—

(1) in subsection (d), by adding at the end the following new paragraph:

"(6) An officer excluded under subsection (e)."; and

(2) by adding at the end the following new subsection:

"(e) AUTHORITY TO ALLOW OFFICERS TO OPT OUT OF SELECTION BOARD CONSIDERATION.—(1) The Secretary of a military department may provide that an officer under the jurisdiction of the Secretary may, upon the officer's request and with the approval of the Secretary, be excluded from consideration by a selection board convened under section 611(a) of this title to consider officers for promotion to the next higher grade.

"(2) The Secretary concerned may only approve a request under paragraph (1) if—

"(A) the basis for the request is to allow an officer to complete a broadening assignment, advanced education, another assignment of significant value to the Department, or a career progression requirement delayed by the assignment or education;

"(B) the Secretary determines the exclusion from consideration is in the best interest of the military department concerned; and

"(C) the officer has not previously failed of selection for promotion to the grade for which the officer requests the exclusion from consideration.".

(b) RESERVE ACTIVE-STATUS LIST OFFICERS.—Section 14301 of such title is amended—

(1) in subsection (c)—

(A) in the subsection heading, by striking "PREVIOUSLY SELECTED OFFICERS NOT ELIGIBLE" and inserting "CERTAIN OFFICERS NOT"; and

(B) by adding at the end the following new paragraph:

"(6) An officer excluded under subsection (j)."; and

(2) by adding at the end the following new subsection:

"(j) AUTHORITY TO ALLOW OFFICERS TO OPT OUT OF SELECTION BOARD CONSIDERATION.—(1) The Secretary of a military department may provide that an officer under the jurisdiction of the Secretary may, upon the officer's request and with the approval of the Secretary, be excluded from consideration by a selection board convened under section 14101(a) of this title to consider officers for promotion to the next higher grade.

"(2) The Secretary concerned may only approve a request under paragraph (1) if—

"(A) the basis for the request is to allow an officer to complete a broadening assignment, advanced education, another assignment of significant value to the Department, or a career progression requirement delayed by the assignment or education;

"(B) the Secretary determines the exclusion from consideration is in the best interest of the military department concerned; and

"(C) the officer has not previously failed of selection for promotion to the grade for which the officer requests the exclusion from consideration.".

SEC. 506. APPLICABILITY TO ADDITIONAL OFFICER GRADES OF AUTHORITY FOR CONTINUATION ON ACTIVE DUTY OF OFFICERS IN CERTAIN MILITARY SPECIALTIES AND CAREER TRACKS.

Section 637a(a) of title 10, United States Code, is amended—

(1) by striking "grade O–4" and inserting "grade O–2"; and

(2) by inserting "632," before "633,".

SEC. 507. ALTERNATIVE PROMOTION AUTHORITY FOR OFFICERS IN DESIGNATED COMPETITIVE CATEGORIES OF OFFICERS.

(a) ALTERNATIVE PROMOTION AUTHORITY.—

(1) IN GENERAL.—Chapter 36 of title 10, United States Code, is amended by adding at the end the following new subchapter:

"SUBCHAPTER VI—ALTERNATIVE PROMOTION AUTHORITY FOR OFFICERS IN DESIGNATED COMPETITIVE CATEGORIES

"Sec.
"649a. Officers in designated competitive categories.
"649b. Selection for promotion.
"649c. Eligibility for consideration for promotion.
"649d. Opportunities for consideration for promotion.
"649e. Promotions.
"649f. Failure of selection for promotion.
"649g. Retirement: retirement for years of service; selective early retirement.
"649h. Continuation on active duty.
"649i. Continuation on active duty: officers in certain military specialties and career tracks.
"649j. Other administrative authorities.
"649k. Regulations.

"§ 649a. Officers in designated competitive categories

"(a) AUTHORITY TO DESIGNATE COMPETITIVE CATEGORIES OF OFFICERS.—Each Secretary of a military department may designate one or more competitive categories for promotion of officers under section 621 of this title that are under the jurisdiction of such Secretary as a competitive category of officers whose promotion, retirement, and continuation on active duty shall be subject to the provisions of this subchapter.

"(b) LIMITATION ON EXERCISE OF AUTHORITY.—The Secretary of a military department may not designate a competitive category of officers for purposes of this subchapter until 60 days after the date on which the Secretary submits to the Committees on Armed Services of the Senate and the House of Representatives a report on the designation of the competitive category. The report on the designation of a competitive category shall set forth the following:

"(1) A detailed description of officer requirements for officers within the competitive category.

"(2) An explanation of the number of opportunities for consideration for promotion to each particular grade, and an estimate of promotion timing, within the competitive category.

"(3) An estimate of the size of the promotion zone for each grade within the competitive category.

"(4) A description of any other matters the Secretary considered in determining to designate the competitive category for purposes of this subchapter.

"§ 649b. Selection for promotion

"(a) IN GENERAL.—Except as provided in this section, the selection for promotion of officers in any competitive category of officers designated for purposes of this subchapter shall be governed by the provisions of subchapter I of this chapter.

"(b) NO RECOMMENDATION FOR PROMOTION OF OFFICERS BELOW PROMOTION ZONE.—Section 616(b) of this title shall not apply to the selection for promotion of officers described in subsection (a).

"(c) RECOMMENDATION FOR OFFICERS TO BE EXCLUDED FROM FUTURE CONSIDERATION FOR PROMOTION.—In making recommendations pursuant to section 616 of this title for purposes of the administration of this subchapter, a selection board convened under section 611(a) of this title may recommend that an officer considered by the board be excluded from future consideration for promotion under this chapter.

"§ 649c. Eligibility for consideration for promotion

"(a) IN GENERAL.—Except as provided by this section, eligibility for promotion of officers in any competitive category of officers designated for purposes of this subchapter shall be governed by the provisions of section 619 of this title.

"(b) INAPPLICABILITY OF CERTAIN TIME-IN-GRADE REQUIREMENTS.—Paragraphs (2) through (4) of section 619(a) of this title shall not apply to the promotion of officers described in subsection (a).

"(c) INAPPLICABILITY TO OFFICERS ABOVE AND BELOW PROMOTION ZONE.—The following provisions of section 619(c) of this title shall not apply to the promotion of officers described in subsection (a):

"(1) The reference in paragraph (1) of that section to an officer above the promotion zone.

"(2) Paragraph (2)(A) of that section.

"(d) INELIGIBILITY OF CERTAIN OFFICERS.—The following officers are not eligible for promotion under this subchapter:

"(1) An officer described in section 619(d) of this title.

"(2) An officer not included within the promotion zone.

"(3) An officer who has failed of promotion to a higher grade the maximum number of times specified for opportunities for promotion for such grade within the competitive category concerned pursuant to section 649d of this title.

"(4) An officer recommended by a selection board to be removed from consideration for promotion in accordance with section 649b(c) of this title.

"§ 649d. Opportunities for consideration for promotion

"(a) SPECIFICATION OF NUMBER OF OPPORTUNITIES FOR CONSIDERATION FOR PROMOTION.—In designating a competitive category of officers pursuant to section 649a of this title, the Secretary of a military department shall specify the number of opportunities for consideration for promotion to be afforded officers of the armed force concerned within the category for promotion to each grade above the grade of first lieutenant or lieutenant (junior grade), as applicable.

"(b) LIMITED AUTHORITY OF SECRETARY OF MILITARY DEPARTMENT TO MODIFY NUMBER OF OPPORTUNITIES.—The Secretary of a military department may modify the number of opportunities for consideration for promotion to be afforded officers of an armed force within a competitive category for promotion to a particular grade, as previously specified by the Secretary pursuant subsection (a) or this subsection, not more frequently than once every five years.

"(c) DISCRETIONARY AUTHORITY OF SECRETARY OF DEFENSE TO MODIFY NUMBER OF OPPORTUNITIES.—The Secretary of Defense may modify the number of opportunities for consideration for promotion to be afforded officers of an armed force within a competitive category for promotion to a particular grade, as previously specified or modified pursuant to any provision of this section, at the discretion of the Secretary.

"(d) LIMITATION ON NUMBER OF OPPORTUNITIES SPECIFIED.—The number of opportunities for consideration for promotion to be afforded officers of an armed force within a competitive category for promotion to a particular grade, as specified or modified pursuant to any provision of this section, may not exceed five opportunities.

"(e) EFFECT OF CERTAIN REDUCTION IN NUMBER OF OPPORTUNITIES SPECIFIED.—If, by reason of a reduction in the number of opportunities for consideration for promotion under this section, an officer would no longer have one or more opportunities for consideration for promotion that were available to the officer before the reduction, the officer shall be afforded one additional opportunity for consideration for promotion after the reduction.

"§ 649e. Promotions

"Sections 620 through 626 of this title shall apply in promotions of officers in competitive categories of officers designated for purposes of this subchapter.

"§ 649f. Failure of selection for promotion

"(a) IN GENERAL.—Except as provided in this section, sections 627 through 632 of this title shall apply to promotions of officers in competitive categories of officers designated for purposes of this subchapter.

"(b) INAPPLICABILITY OF FAILURE OF SELECTION FOR PROMOTION TO OFFICERS ABOVE PROMOTION ZONE.—The reference in section 627 of this title to an officer above the promotion zone shall not apply in the promotion of officers described in subsection (a).

"(c) SPECIAL SELECTION BOARD MATTERS.—The reference in section 628(a)(1) of this title to a person above the promotion zone shall not apply in the promotion of officers described in subsection (a).

"(d) EFFECT OF FAILURE OF SELECTION.—In the administration of this subchapter pursuant to subsection (a)—

"(1) an officer described in subsection (a) shall not be deemed to have failed twice of selection for promotion for purposes of section 629(e)(2) of this title until the officer has failed selection of promotion to the next higher grade the maximum number of times specified for opportunities for promotion to such grade within the competitive category concerned pursuant to section 649d of this title; and

"(2) any reference in section 631(a) or 632(a) of this title to an officer who has failed of selection for promotion to the next

higher grade for the second time shall be deemed to refer instead to an officer described in subsection (a) who has failed of selection for promotion to the next higher grade for the maximum number of times specified for opportunities for promotion to such grade within the competitive category concerned pursuant to such section 649d.

"§ 649g. Retirement: retirement for years of service; selective early retirement

"(a) RETIREMENT FOR YEARS OF SERVICES.—Sections 633 through 636 of this title shall apply to the retirement of officers in competitive categories of officers designated for purposes of this subchapter.

"(b) SELECTIVE EARLY RETIREMENT.—Sections 638 and 638a of this title shall apply to the retirement of officers described in subsection (a).

"§ 649h. Continuation on active duty

"(a) IN GENERAL.—An officer subject to discharge or retirement pursuant to this subchapter may, subject to the needs of the service, be continued on active duty if the officer is selected for continuation on active duty in accordance with this section by a selection board convened under section 611(b) of this title.

"(b) IDENTIFICATION OF POSITIONS FOR OFFICERS CONTINUED ON ACTIVE DUTY.—

"(1) IN GENERAL.—Officers may be selected for continuation on active duty pursuant to this section only for assignment to positions identified by the Secretary of the military department concerned for which vacancies exist or are anticipated to exist.

"(2) IDENTIFICATION.—Before convening a selection board pursuant to section 611(b) of this title for purposes of selection of officers for continuation on active duty pursuant to this section, the Secretary of the military department concerned shall specify for purposes of the board the positions identified by the Secretary to which officers selected for continuation on active duty may be assigned.

"(c) RECOMMENDATION FOR CONTINUATION.—A selection board may recommend an officer for continuation on active duty pursuant to this section only if the board determines that the officer is qualified for assignment to one or more positions identified pursuant to subsection (b) on the basis of skills, knowledge, and behavior required of an officer to perform successfully in such position or positions.

"(d) APPROVAL OF SECRETARY OF MILITARY DEPARTMENT.—Continuation of an officer on active duty under this section pursuant to the action of a selection board is subject to the approval of the Secretary of the military department concerned.

"(e) NONACCEPTANCE OF CONTINUATION.—An officer who is selected for continuation on active duty pursuant to this section, but who declines to continue on active duty, shall be discharged or retired, as appropriate, in accordance with section 632 of this title.

"(f) PERIOD OF CONTINUATION.—

"(1) IN GENERAL.—An officer continued on active duty pursuant to this section shall remain on active duty, and serve in the position to which assigned (or in another position to which

assigned with the approval of the Secretary of the military department concerned), for a total of not more than three years afer the date of assignment to the position to which first so assigned.

"(2) ADDITIONAL CONTINUATION.—An officer whose continued service pursuant to this section would otherwise expire pursuant to paragraph (1) may be continued on active duty if selected for continuation on active duty in accordance with this section before the date of expiration pursuant to that paragraph.

"(g) EFFECT OF EXPIRATION OF CONTINUATION.—Each officer continued on active duty pursuant to this subsection who is not selected for continuation on active duty pursuant to subsection (f)(2) at the completion of the officer's term of continued service shall, unless sooner discharged or retired under another provision of law—

"(1) be discharged upon the expiration of the term of continued service; or

"(2) if eligible for retirement under another other provision of law, be retired under that law on the first day of the first month following the month in which the officer completes the term of continued service.

"(h) TREATMENT OF DISCHARGE OR RETIREMENT.—The discharge or retirement of an officer pursuant to this section shall be considered to be an involuntary discharge or retirement for purposes of any other provision of law.

"§ 649i. Continuation on active duty: officers in certain military specialties and career tracks

"In addition to continuation on active duty provided for in section 649h of this title, an officer to whom section 637a of this title applies may be continued on active duty in accordance with the provisions of such section 637a.

"§ 649j. Other administrative authorities

"(a) IN GENERAL.—The following provisions of this title shall apply to officers in competitive categories of officers designated for purposes of this subchapter:

"(1) Section 638b, relating to voluntary retirement incentives.

"(2) Section 639, relating to continuation on active duty to complete disciplinary action.

"(3) Section 640, relating to deferment of retirement or separation for medical reasons.

"§ 649k. Regulations

"The Secretary of Defense shall prescribe regulations regarding the administration of this subchapter. The elements of such regulations shall include mechanisms to clarify the manner in which provisions of other subchapters of this chapter shall be used in the administration of this subchapter in accordance with the provisions of this subchapter.".

(2) CLERICAL AMENDMENT.—The table of subchapters at the beginning of chapter 36 of such title is amended by adding at the end the following new item:

"VI. Alternative Promotion Authority for Officers in Designated Competitive Categories ..... 649a".

(b) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall, in consultation with the Secretaries of the military departments, submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the authorities in subchapter VI of chapter 36 of title 10, United States Code (as added by subsection (a)).

(2) ELEMENTS.—The report shall include the following:

(A) A detailed analysis and assessment of the manner in which the exercise of the authorities in subchapter VI of chapter 36 of title 10, United States Code (as so added), will effect the career progression of commissioned officers in the Armed Forces.

(B) A description of the competitive categories of officers that are anticipated to be designated as competitive categories of officers for purposes of such authorities.

(C) A plan for implementation of such authorities.

(D) Such recommendations for legislative or administrative action as the Secretary of Defense considers appropriate to improve or enhance such authorities.

SEC. 508. ATTENDING PHYSICIAN TO THE CONGRESS.

(a) IN GENERAL.—Chapter 41 of title 10, United States Code, is amended by inserting before section 716 the following new section:

"§ 715. Attending Physician to the Congress: grade

"A general officer serving as Attending Physician to the Congress, while so serving, holds the grade of major general. A flag officer serving as Attending Physician to the Congress, while so serving, holds the grade of rear admiral (upper half).".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting before the item relating to section 716 the following new item:

"715. Attending Physician to the Congress: grade".

SEC. 509. MATTERS RELATING TO SATISFACTORY SERVICE IN GRADE FOR PURPOSES OF RETIREMENT GRADE OF OFFICERS IN HIGHEST GRADE OF SATISFACTORY SERVICE.

(a) CONDITIONAL DETERMINATIONS OF GRADE OF SATISFACTORY SERVICE.—

(1) IN GENERAL.—Subsection (a)(1) of section 1370 of title 10, United States Code, is amended by adding at the end the following new sentences: "When an officer is under investigation for alleged misconduct at the time of retirement, the Secretary concerned may conditionally determine the highest grade of satisfactory service of the officer pending completion of the investigation. Such grade is subject to resolution under subsection (b)(3).".

(2) OFFICERS IN O–9 AND O–10 GRADES.—Subsection (c) of such section is amended by adding at the end the following new paragraph:

"(4) The Secretary of Defense may make a conditional certification regarding satisfactory service in grade under paragraph (1) with respect to an officer under that paragraph notwithstanding the

fact that there is pending the disposition of an adverse personnel action against the officer for alleged misconduct. The retired grade of an officer following such a conditional certification is subject to resolution under subsection (b)(3).".

(3) RESERVE OFFICERS.—Subsection (d)(1) of such section is amended by adding at the end the following new sentences: "When an officer is under investigation for alleged misconduct at the time of retirement, the Secretary concerned may conditionally determine the highest grade of satisfactory service of the officer pending completion of the investigation. Such grade is subject to resolution under subsection (b)(3).".

(b) CODIFICATION OF LOWERED GRADE FOR RETIRED OFFICERS OR PERSONS WHO COMMITTED MISCONDUCT IN A LOWER GRADE.—

(1) IN GENERAL.—Subsection (b) of such section is amended—

(A) in the heading, by striking "NEXT";

(B) by inserting "(1)" before "An"; and

(C) by adding at the end the following new paragraphs:

"(2) In the case of an officer or person whom the Secretary concerned determines committed misconduct in a lower grade, the Secretary concerned may determine the officer or person has not served satisfactorily in any grade equal to or higher than that lower grade.

"(3) A determination or certification of the retired grade of an officer shall be resolved following a conditional determination under subsection (a)(1) or (d)(1) or conditional certification under subsection (c)(4), if the investigation of or personnel action against the officer, as applicable, results in adverse findings. If the retired grade of an officer is reduced, the retired pay of the officer under chapter 71 of this title shall be recalculated, and any modification of the retired pay of the officer shall go into effect on the effective date of the reduction in retired grade.".

(2) CONFORMING AMENDMENTS.—Such section is amended—

(A) in subsection (a)(1)—

(i) by striking "higher" and inserting "different"; and

(ii) by striking "except as provided in paragraph (2)" and inserting "subject to paragraph (2) and subsection (b)";

(B) in subsection (c)(1), by striking "An officer" and inserting "Subject to subsection (b), an officer"; and

(C) in subsection (d)(1)—

(i) by striking "higher" each place it appears and inserting "different"; and

(ii) by inserting ", subject to subsection (b)," before "shall".

(c) FINALITY OF RETIRED GRADE DETERMINATIONS.—Such section is further amended by adding at the end the following new subsection:

"(f) FINALITY OF RETIRED GRADE DETERMINATIONS.—(1) Except as otherwise provided by law, a determination or certification of the retired grade of an officer pursuant to this section is administratively final on the day the officer is retired, and may not be reopened.

"(2) A determination or certification of the retired grade of an officer may be reopened as follows:

"(A) If the retirement or retired grade of the officer was procured by fraud.

"(B) If substantial evidence comes to light after the retirement that could have led to a lower retired grade under this section if known by competent authority at the time of retirement.

"(C) If a mistake of law or calculation was made in the determination of the retired grade.

"(D) In the case of a retired grade following a conditional determination under subsection (a)(1) or (d)(1) or conditional certification under subsection (c)(4), if the investigation of or personnel action against the officer, as applicable, results in adverse findings.

"(E) If the Secretary concerned determines, pursuant to regulations prescribed by the Secretary of Defense, that good cause exists to reopen the determination or certification.

"(3) If a determination or certification of the retired grade of an officer is reopened, the Secretary concerned—

"(A) shall notify the officer of the reopening; and

"(B) may not make an adverse determination on the retired grade of the officer until the officer has had a reasonable opportunity to respond regarding the basis of the reopening.

"(4) If a certification of the retired grade of an officer covered by subsection (c) is reopened, the Secretary concerned shall also notify the President and Congress of the reopening.

"(5) If the retired grade of an officer is reduced through the reopening of the officer's retired grade, the retired pay of the officer under chapter 71 of this title shall be recalculated, and any modification of the retired pay of the officer shall go into effect on the effective date of the reduction of the officer's retired grade.".

SEC. 510. GRADES OF CHIEFS OF CHAPLAINS.

(a) ARMY.—Section 3073 of title 10, United States Code, is amended—

(1) by inserting "(a)" before "There"; and

(2) by adding at the end the following new subsection:

"(b) The Chief of Chaplains, while so serving, holds the grade of major general.".

(b) NAVY.—Section 5142 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(e) The Chief of Chaplains, while so serving, holds the grade of rear admiral (upper half).".

(c) AIR FORCE.—Section 8039 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(c) GRADE OF CHIEF OF CHAPLAINS.—The Chief of Chaplains, while so serving, holds the grade of major general.".

SEC. 511. REPEAL OF ORIGINAL APPOINTMENT QUALIFICATION REQUIREMENT FOR WARRANT OFFICERS IN THE REGULAR ARMY.

(a) IN GENERAL.—Section 3310 of title 10, United States Code, is repealed.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 335 of such title is amended by striking the item relating to section 3310.

SEC. 512. REDUCTION IN NUMBER OF YEARS OF ACTIVE NAVAL SERVICE REQUIRED FOR PERMANENT APPOINTMENT AS A LIMITED DUTY OFFICER.

Section 5589(d) of title 10, United States Code, is amended by striking "10 years" and inserting "8 years".

SEC. 513. AUTHORITY TO DESIGNATE CERTAIN RESERVE OFFICERS AS NOT TO BE CONSIDERED FOR SELECTION FOR PROMOTION.

Section 14301 of title 10, United States Code, as amended by section 505, is further amended by adding at the end the following new subsection:

"(k) CERTAIN OFFICERS NOT TO BE CONSIDERED FOR SELECTION FOR PROMOTION.—The Secretary of the military department concerned may provide that an officer who is in an active status, but is in a duty status in which the only points the officer accrues under section 12732(a)(2) of this title are pursuant to subparagraph (C)(i) of that section (relating to membership in a reserve component), shall not be considered for selection for promotion until completion of two years of service in such duty status. Any such officer may remain on the reserve active-status list.".

SEC. 514. GAO REVIEW OF SURFACE WARFARE CAREER PATHS.

(a) GAO REVIEW.—The Comptroller General of the United States shall conduct a review of Navy surface warfare career paths.

(b) ELEMENTS.—The review under subsection (a) shall include the following:

(1) A description of current and previous career paths for officers in the regular and reserve components of the Navy that are related to surface warfare, including career paths for—

(A) unrestricted line officers;

(B) limited duty officers;

(C) engineering duty officers; and

(D) warrant officers.

(2) Any prior study that examined career paths described in paragraph (1).

(3) The current and historical personnel levels (fit/fill rates) and deployment tempos aboard naval vessels for each of the career paths described in paragraph (1).

(4) A comparison of the career paths of surface warfare officers with the career paths of surface warfare officers of foreign navies including—

(A) initial training;

(B) follow-on training;

(C) career milestones;

(D) qualification standards; and

(E) watch standing requirements.

(5) Any other matter the Comptroller General determines appropriate.

(c) DEADLINES.—Not later than March 1, 2019, the Comptroller General shall brief the congressional defense committees on the preliminary findings of the study under this section. The Comptroller General shall submit a final report to the congressional defense committees as soon as practicable after such briefing.

Subtitle B—Reserve Component Management

SEC. 515. AUTHORIZED STRENGTH AND DISTRIBUTION IN GRADE.

(a) STRENGTH AND GRADE AUTHORIZATIONS.—Section 12011(a) of title 10, United States Code is amended by striking those parts of the table pertaining to the Air National Guard and inserting the following:

"Air National Guard:

	Major	Lieutenant Colonel	Colonel
10,000	763	745	333
12,000	915	923	377
14,000	1,065	1,057	402
16,000	1,211	1,185	426
18,000	1,347	1,313	450
20,000	1,463	1,440	468
22,000	1,606	1,569	494
24,000	1,739	1,697	517
26,000	1,872	1,825	539
28,000	2,005	1,954	562
30,000	2,138	2,082	585
32,000	2,271	2,210	608
34,000	2,404	2,338	630
36,000	2,537	2,466	653
38,000	2,670	2,595	676
40,000	2,803	2,723	698".

(b) STRENGTH AND GRADE AUTHORIZATIONS.—Section 12012(a) of title 10, United States Code is amended by striking those parts of the table pertaining to the Air National Guard and inserting the following:

"Air National Guard:

	E-8	E-9
10,000	1,350	550
12,000	1,466	594
14,000	1,582	636
16,000	1,698	676
18,000	1,814	714
20,000	1,930	752
22,000	2,046	790
24,000	2,162	828
26,000	2,278	866
28,000	2,394	904
30,000	2,510	942
32,000	2,626	980
34,000	2,742	1,018
36,000	2,858	1,056
38,000	2,974	1,094
40,000	3,090	1,132".

SEC. 516. REPEAL OF PROHIBITION ON SERVICE ON ARMY RESERVE FORCES POLICY COMMITTEE BY MEMBERS ON ACTIVE DUTY.

Section 10302 of title 10, United States Code, is amended—

(1) in subsection (b), by striking "not on active duty" each place it appears; and

(2) in subsection (c)—

(A) by inserting "of the reserve components" after "among the members"; and

(B) by striking "not on active duty".

SEC. 517. EXPANSION OF PERSONNEL SUBJECT TO AUTHORITY OF THE CHIEF OF THE NATIONAL GUARD BUREAU IN THE EXECUTION OF FUNCTIONS AND MISSIONS OF THE NATIONAL GUARD BUREAU.

Section 10508(b)(1) of title 10, United States Code, is amended by striking "sections 2103," and all that follows through "of title 32," and inserting "sections 2102, 2103, 2105, and 3101 of title 5, subchapter IV of chapter 53 of title 5, or section 328 of title 32,".

SEC. 518. AUTHORITY TO ADJUST EFFECTIVE DATE OF PROMOTION IN THE EVENT OF UNDUE DELAY IN EXTENDING FEDERAL RECOGNITION OF PROMOTION.

(a) IN GENERAL.—Section 14308(f) of title 10, United States Code, is amended—

(1) by inserting "(1)" before "The effective date of promotion"; and

(2) by adding at the end the following new paragraph:

"(2) If the Secretary concerned determines that there was an undue delay in extending Federal recognition in the next higher grade in the Army National Guard or the Air National Guard to a reserve commissioned officer of the Army or the Air Force, and the delay was not attributable to the action (or inaction) of such officer, the effective date of the promotion concerned under paragraph (1) may be adjusted to a date determined by the Secretary concerned, but not earlier than the effective date of the State promotion.".

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the date of the enactment of this Act, and shall apply with respect to promotions of officers whose State effective date is on or after that date.

SEC. 519. NATIONAL GUARD YOUTH CHALLENGE PROGRAM.

Section 509(h) of title 32, United States Code, is amended—

(1) by redesignating paragraph (2) as paragraph (3); and

(2) by inserting after paragraph (1) the following new paragraph:

"(2) Equipment and facilities of the Department of Defense may be used by the National Guard for purposes of carrying out the Program.".

SEC. 520. EXTENSION OF AUTHORITY FOR PILOT PROGRAM ON USE OF RETIRED SENIOR ENLISTED MEMBERS OF THE ARMY NATIONAL GUARD AS ARMY NATIONAL GUARD RECRUITERS.

Section 514 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) in subsection (d), by striking "2020" and inserting "2021"; and

(2) in subsection (f), by striking "2019" and inserting "2020".

Subtitle C—General Service Authorities and Correction of Military Records

SEC. 521. ENLISTMENTS VITAL TO THE NATIONAL INTEREST.

(a) IN GENERAL.—Section 504(b) of title 10, United States Code, is amended—

(1) in paragraph (2)—

(A) by inserting "and subject to paragraph (3)," after "Notwithstanding paragraph (1),";

(B) by striking "enlistment is vital to the national interest." and inserting "person possesses a critical skill or expertise—"; and

(C) by adding at the end the following new subparagraphs:

"(A) that is vital to the national interest; and

"(B) that the person will use in the primary daily duties of that person as a member of the armed forces."; and

(2) by adding at the end the following new paragraph (3):

"(3)(A) No person who enlists under paragraph (2) may report to initial training until after the Secretary concerned has completed all required background investigations and security and suitability screening as determined by the Secretary of Defense regarding that person.

"(B) A Secretary concerned may not authorize more than 1,000 enlistments under paragraph (2) per military department in a calendar year until after—

"(i) the Secretary of Defense submits to Congress written notice of the intent of that Secretary concerned to authorize more than 1,000 such enlistments in a calendar year; and

"(ii) a period of 30 days has elapsed after the date on which Congress receives the notice.".

(b) REPORT.—

(1) IN GENERAL.—Not later than December 31, 2019, and annually thereafter for each of the subsequent four years, the Secretary concerned shall submit a report to the Committees on Armed Services and the Judiciary of the Senate and the House of Representatives regarding persons who enter into enlistment contracts under section 504(b)(2) of title 10, United States Code, as amended by subsection (a).

(2) ELEMENTS.—Each report under this subsection shall include the following:

(A) The number of such persons who have entered into such contracts during the preceding calendar year.

(B) How many such persons have successfully completed background investigations and vetting procedures.

(C) How many such persons have begun initial training.

(D) The skills that are vital to the national interest that such persons possess.

SEC. 522. STATEMENT OF BENEFITS.

(a) IN GENERAL.—Chapter 58 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 1155. Statement of benefits

"(a) BEFORE SEPARATION.—Not later than 30 days before a member retires, is released, is discharged, or otherwise separates from the armed forces (or as soon as is practicable in the case of an unanticipated separation), the Secretary concerned shall provide that member with a current assessment of all benefits to which that member may be entitled under laws administered by—

"(1) the Secretary of Defense; and

"(2) the Secretary of Veterans Affairs.

"(b) STATEMENT FOR RESERVES.—The Secretary concerned shall provide a member of a reserve component with a current assessment

of benefits described in subsection (a) upon release of that member from active duty.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 1154 the following new item:

"1155. Statement of benefits.".

SEC. 523. MODIFICATION TO FORMS OF SUPPORT THAT MAY BE ACCEPTED IN SUPPORT OF THE MISSION OF THE DEFENSE POW/MIA ACCOUNTING AGENCY.

(a) PUBLIC-PRIVATE PARTNERSHIPS.—Subsection (a) of section 1501a of title 10, United States Code, is amended by adding at the end the following new sentence: "An employee of an entity outside the Government that has entered into a public-private partnership, cooperative agreement, or a grant arrangement with, or in direct support of, the designated Defense Agency under this section shall be considered to be an employee of the Federal Government by reason of participation in such partnership, cooperative agreement, or grant, only for the purposes of section 552a of title 5 (relating to maintenance of records on individuals).".

(b) AUTHORITY TO ACCEPT GIFTS IN SUPPORT OF MISSION TO ACCOUNT FOR MISSING PERSONS FROM PAST CONFLICTS.—Such section is further amended—

(1) by redesignating subsections (e) and (f) as subsections (f) and (g), respectively;

(2) by inserting after subsection (d) the following new subsection (e):

"(e) ACCEPTANCE OF GIFTS.—

"(1) AUTHORITY TO ACCEPT.—Subject to subsection (f)(2), the Secretary may accept, hold, administer, spend, and use any gift of personal property, money, or services made on the condition that the gift be used for the purpose of facilitating accounting for missing persons pursuant to section 1501(a)(2)(C) of this title.

"(2) GIFT FUNDS.—Gifts and bequests of money accepted under this subsection shall be deposited in the Treasury in the Department of Defense General Gift Fund.

"(3) USE OF GIFTS.—Personal property and money accepted under this subsection may be used by the Secretary, and services accepted under this subsection may be performed, without further specific authorization in law.

"(4) EXPENSES OF TRANSFER.—The Secretary may pay all necessary expenses in connection with the conveyance or transfer of a gift accepted under this subsection.

"(5) EXPENSES OF CARE.—The Secretary may pay all reasonable and necessary expenses in connection with the care of a gift accepted under this subsection."; and

(3) by adding at the end of subsection (g), as redesignated by paragraph (1) of this subsection, the following new paragraph:

"(3) GIFT.—The term 'gift' includes a devise or bequest.".

(c) CONFORMING AMENDMENT.—Subsection (a) of such section is further amended by striking "subsection (e)(1)" and inserting "subsection (f)(1)".

SEC. 524. ASSESSMENT OF NAVY STANDARD WORKWEEK AND RELATED ADJUSTMENTS.

(a) ASSESSMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of the Navy shall—

(1) complete a comprehensive assessment of the standard workweek of the Navy;

(2) carry out the activities required under subsections (b) and (c).

(b) ADJUSTMENTS.—The Secretary of the Navy shall—

(1) update instruction 1000.16L of the Office of the Chief of Naval Operations titled "Navy Total Force Manpower Policies and Procedures" in order to—

(A) analyze and quantify current in-port workloads; and

(B) based on the analysis carried out pursuant to subparagraph (A), identify the manpower necessary to execute in-port workloads for all surface ship classes;

(2) update the criteria set forth in the instruction that are used to reassess the factors for calculating manpower requirements periodically or when conditions change; and

(3) taking into account the updates required by paragraphs (1) and (2), identify personnel needs and costs associated with the planned larger size of the Navy fleet.

(c) ADDED DEMANDS.—The Secretary of the Navy shall identify and quantify any increased or new requirements with respect to Navy ship crews, including Ready, Relevant Learning training periods and additional work that affects readiness and technical qualifications for Navy ship crews.

SEC. 525. NOTIFICATION ON MANNING OF AFLOAT NAVAL FORCES.

(a) IN GENERAL.—The Secretary of the Navy shall notify the congressional defense committees, in writing, not later than 15 days after any of the following conditions are met:

(1) The manning fit for a covered ship is less than 87 percent.

(2) The manning fill for a covered ship is less than 90 percent.

(b) NOTIFICATION REQUIRED.—The notification required by subsection (a) shall include, with respect to a covered ship, the following:

(1) The name and hull number of the ship.

(2) The homeport location of the ship.

(3) The current manning fit and fill of the ship.

(4) The lowest levels of manning fit and fill projected for the ship and the date on which such levels are expected to occur.

(5) The projected date on which the Navy will achieve a manning fit and fill at least 87 percent and 90 percent, respectively, for the ship.

(6) The projected date on which the Navy will achieve a manning fit and fill of at least 92 percent and 95 percent, respectively, for the ship.

(7) A description of any reasons the Navy will not achieve manning fit and fill of at least 87 percent and 90 percent, respectively, for the ship, including a detailed description of the

specific ratings or skillset areas that must be manned to achieve those percentages.

(8) A description of corrective actions the Navy is taking to improve manning fit or manning fill on the ship.

(c) SPECIAL RULE.—For purposes of determining whether a percentage of manning fit or manning fill has been achieved, a sailor in a more senior paygrade may count as filling the billet of a more junior paygrade, but a sailor in a more junior paygrade may not count as filling the billet of a more senior paygrade.

(d) DEFINITIONS.—In this section:

(1) MANNING FIT.—The term "manning fit" means the skills (rating), specialty skills (Navy Enlisted Classifications), and experience (paygrade) for the ship as compared with the billets authorized for such skills and experience.

(2) MANNING FILL.—The term "manning fill", in the case of a ship, means the total number of military personnel assigned to the ship by rating when compared with the billets authorized for the ship by rating.

(3) COVERED SHIP.—The term "covered ship" means a commissioned battle force ship that is included in the battle force count of the Naval Vessel Register.

SEC. 526. NAVY WATCHSTANDER RECORDS.

(a) IN GENERAL.—The Secretary of the Navy shall require that, commencing not later than 180 days after the date of the enactment of this Act, key watchstanders on Navy surface ships shall maintain a career record of watchstanding hours and specific operational evolutions.

(b) KEY WATCHSTANDER DEFINED.—In this section, the term "key watchstander" means each of the following:

(1) Officer of the Deck.

(2) Engineering Officer of the Watch.

(3) Conning Officer or Piloting Officer.

(4) Any other officer specified by the Secretary for purposes of this section.

(c) BRIEFINGS OF CONGRESS.—

(1) INITIAL BRIEFING.—Not later than 150 days after the date of the enactment of this Act, the Secretary shall provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing on the plan of the Secretary for the maintenance of watchstander records, including updates to policy documents.

(2) UPDATE BRIEFINGS.—Not later than one year after the briefing pursuant to paragraph (1), and annually thereafter for the next two years, the Secretary shall provide to the committees of Congress referred to in that paragraph an update briefing on the status of the implementation of the plan described in that paragraph.

SEC. 527. QUALIFICATION EXPERIENCE REQUIREMENTS FOR CERTAIN NAVY WATCHSTATIONS.

(a) IN GENERAL.—Not later than 180 days after the date the of enactment of this Act, the Secretary of the Navy shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the adequacy of individual training for cer-

tain watchstations, including any planned or recommended changes in qualification standards for such watchstations.

(b) WATCHSTATIONS.—The watchstations covered by the report required by subsection (a) are the following:

(1) Officer of the Deck.

(2) Combat Information Center Watch Officer.

(3) Tactical Action Officer.

(4) Engineering Officer of the Watch.

(5) Conning Officer or Piloting Officer.

Subtitle D—Military Justice

SEC. 531. INCLUSION OF STRANGULATION AND SUFFOCATION IN CONDUCT CONSTITUTING AGGRAVATED ASSAULT FOR PURPOSES OF THE UNIFORM CODE OF MILITARY JUSTICE.

(a) IN GENERAL.—Subsection (b) of section 928 of title 10, United States Code (article 128 of the Uniform Code of Military Justice), is amended—

(1) in paragraph (1), by striking "or" at the end;

(2) in paragraph (2), by adding "or" after the semicolon; and

(3) by inserting after paragraph (2) the following new paragraph:

"(3) who commits an assault by strangulation or suffocation;".

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on January 1, 2019, immediately after the coming into effect of the amendment made by section 5441 of the Military Justice Act of 2016 (division E of Public Law 114–328; 130 Stat. 2954) as provided in section 5542 of that Act (130 Stat. 2967; 10 U.S.C. 801 note).

SEC. 532. PUNITIVE ARTICLE ON DOMESTIC VIOLENCE UNDER THE UNIFORM CODE OF MILITARY JUSTICE.

(a) PUNITIVE ARTICLE.—

(1) IN GENERAL.—Subchapter X of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), is amended by inserting after section 928a (article 128a) the following new section (article):

"§ 928b. Art. 128b.

"Any person who—

"(1) commits a violent offense against a spouse, an intimate partner, or an immediate family member of that person;

"(2) with intent to threaten or intimidate a spouse, an intimate partner, or an immediate family member of that person—

"(A) commits an offense under this chapter against any person; or

"(B) commits an offense under this chapter against any property, including an animal;

"(3) with intent to threaten or intimidate a spouse, an intimate partner, or an immediate family member of that person, violates a protection order;

"(4) with intent to commit a violent offense against a spouse, an intimate partner, or an immediate family member of that person, violates a protection order; or

"(5) assaults a spouse, an intimate partner, or an immediate family member of that person by strangling or suffocating; shall be punished as a court-martial may direct.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter X of chapter 47 of such title (the Uniform Code of Military Justice) is amended by inserting after the item relating to section 928a (article 128a) the following new item: "928b. 128b. Domestic violence.".

(b) EFFECTIVE DATE.—The amendments made by this section shall take effect on January 1, 2019, immediately after the coming into effect of the amendments made by the Military Justice Act of 2016 (division E of Public Law 114–328) as provided in section 5542 of that Act (130 Stat. 2967; 10 U.S.C. 801 note).

SEC. 533. AUTHORITIES OF DEFENSE ADVISORY COMMITTEE ON INVESTIGATION, PROSECUTION, AND DEFENSE OF SEXUAL ASSAULT IN THE ARMED FORCES.

Section 546 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (10 U.S.C. 1561 note) is amended—

(1) by redesignating subsections (d) and (e) as subsections (e) and (f), respectively; and

(2) by inserting after subsection (c) the following new subsection (d):

"(d) AUTHORITIES.—

"(1) HEARINGS.—The Advisory Committee may hold such hearings, sit and act at such times and places, take such testimony, and receive such evidence as the committee considers appropriate to carry out its duties under this section.

"(2) INFORMATION FROM FEDERAL AGENCIES.—Upon request by the chair of the Advisory Committee, a department or agency of the Federal Government shall provide information that the Advisory Committee considers necessary to carry out its duties under this section. In carrying out this paragraph, the department or agency shall take steps to prevent the unauthorized disclosure of personally identifiable information.".

SEC. 534. REPORT ON FEASIBILITY OF EXPANDING SERVICES OF THE SPECIAL VICTIMS' COUNSEL TO VICTIMS OF DOMESTIC VIOLENCE.

(a) REPORT REQUIRED.—Not later than February 1, 2019, the Secretary of Defense, in consultation with the Secretaries of the military departments, shall submit a report to the Committees on Armed Services of the Senate and House of Representatives regarding the feasibility and advisability of expanding eligibility for the Special Victims' Counsel programs under section 1044e of title 10, United States Code (hereinafter referred to as "the SVC programs"), to include victims of domestic violence.

(b) ELEMENTS.—The report under this section shall include the following:

(1) The current workload of the SVC programs.

(2) An analysis of the current personnel authorizations for the SVC programs.

(3) The optimal personnel levels for the SVC programs.

(4) An analysis of the effects that the expansion described in subsection (a) would have on the SVC programs, including—

(A) the estimated increase in workload;

(B) the estimated number of additional personnel that would be required to accommodate such increase; and

(C) the ability of the military departments to fill any additionally authorized billets for SVC programs with qualified judge advocates who possess military justice experience.

SEC. 535. UNIFORM COMMAND ACTION FORM ON DISPOSITION OF UNRESTRICTED SEXUAL ASSAULT CASES INVOLVING MEMBERS OF THE ARMED FORCES.

The Secretary of Defense shall establish a uniform command action form, applicable across the Armed Forces, for reporting the final disposition of cases of sexual assault in which—

(1) the alleged offender is a member of the Armed Forces; and

(2) the victim files an unrestricted report on the alleged assault.

SEC. 536. STANDARDIZATION OF POLICIES RELATED TO EXPEDITED TRANSFER IN CASES OF SEXUAL ASSAULT OR DOMESTIC VIOLENCE.

(a) POLICIES FOR MEMBERS.—The Secretary of Defense shall modify, in accordance with section 673 of title 10, United States Code, all policies that the Secretary determines necessary to establish a standardized expedited transfer process for a member of the Army, Navy, Air Force, or Marine Corps who is the alleged victim of—

(1) sexual assault (regardless of whether the case is handled under the Sexual Assault Prevention and Response Program or Family Advocacy Program); or

(2) physical domestic violence (as defined by the Secretary in regulations prescribed under this section) committed by the spouse or intimate partner of the member, regardless of whether the spouse or intimate partner is a member of the Armed Forces.

(b) POLICY FOR DEPENDENTS OF MEMBERS.—The Secretary of Defense shall establish a policy to allow the transfer of a member of the Army, Navy, Air Force, or Marine Corps whose dependent is the victim of sexual assault perpetrated by a member of the Armed Forces who is not related to the victim.

Subtitle E—Other Legal Matters

SEC. 541. CLARIFICATION OF EXPIRATION OF TERM OF APPELLATE MILITARY JUDGES OF THE UNITED STATES COURT OF MILITARY COMMISSION REVIEW.

(a) IN GENERAL.—Section 950f(b) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(6) The term of an appellate military judge assigned to the Court under paragraph (2) or appointed to the Court under paragraph (3) shall expire on the earlier of the date on which—

"(A) the judge leaves active duty; or

"(B) the judge is reassigned to other duties in accordance with section 949b(b)(4) of this title.".

(b) APPLICABILITY.—The amendment made by subsection (a) shall apply to each judge of the United States Court of Military Commission Review serving on that court on the date of the enact-

ment of this Act and each judge assigned or appointed to that court on or after such date.

SEC. 542. SECURITY CLEARANCE REINVESTIGATION OF CERTAIN PERSONNEL WHO COMMIT CERTAIN OFFENSES.

Section 1564 of title 10, United States Code, is amended—

(1) by redesignating subsections (c), (d), (e), and (f) as subsection (d), (e), (f), and (g), respectively; and

(2) by inserting after subsection (b) the following new subsection (c):

"(c) REINVESTIGATION OR READJUDICATION OF CERTAIN INDIVIDUALS.—(1) The Secretary of Defense shall conduct an investigation or adjudication under subsection (a) of any individual described in paragraph (2) upon—

"(A) conviction of that individual by a court of competent jurisdiction for—

"(i) sexual assault;

"(ii) sexual harassment;

"(iii) fraud against the United States; or

"(iv) any other violation that the Secretary determines renders that individual susceptible to blackmail or raises serious concern regarding the ability of that individual to hold a security clearance; or

"(B) determination by a commanding officer that that individual has committed an offense described in subparagraph (A).

"(2) An individual described in this paragraph in an individual who has a security clearance and is—

"(A) a flag officer;

"(B) a general officer; or

"(C) an employee of the Department of Defense in the Senior Executive Service.

"(3) The Secretary shall ensure that relevant information on the conviction or determination described in paragraph (1) of an individual described in paragraph (2) during the preceding year, regardless of whether the individual has retired or resigned or has been discharged, released, or otherwise separated from the armed forces, is reported into Federal law enforcement records and security clearance databases, and that such information is transmitted, as appropriate, to other Federal agencies.

"(4) In this subsection:

"(A) The term 'sexual assault' includes rape, sexual assault, forcible sodomy, aggravated sexual contact, abusive sexual contact, and attempts to commit such offenses, as those terms are defined in chapter 47 of this title (the Uniform Code of Military Justice).

"(B) The term 'sexual harassment' has the meaning given that term in section 1561 of this title.

"(C) The term 'fraud against the United States' means a violation of section 932 of this title (article 132 of the Uniform Code of Military Justice).".

SEC. 543. DEVELOPMENT OF OVERSIGHT PLAN FOR IMPLEMENTATION OF DEPARTMENT OF DEFENSE HARASSMENT PREVENTION AND RESPONSE POLICY.

(a) DEVELOPMENT.—The Secretary of Defense shall develop a plan for overseeing the implementation of the instruction titled

"Harassment Prevention and Response in the Armed Forces", published on February 8, 2018 (DODI–1020.03).

(b) ELEMENTS.—The plan under subsection (a) shall require the military services and other components of the Department of Defense to take steps by certain dates to implement harassment prevention and response programs under such instruction, including no less than the following:

(1) Submitting implementation plans to the Director, Force Resiliency.

(2) Incorporating performance measures that assess the effectiveness of harassment prevention and response programs.

(3) Adopting compliance standards for promoting, supporting, and enforcing policies, plans, and programs.

(4) Tracking, collecting, and reporting data and information on sexual harassment incidents based on standards established by the Secretary.

(5) Instituting anonymous complaint mechanisms.

(c) REPORT.—Not later than July 1, 2019, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the oversight plan developed under this section. The report shall include, for each military service and component of the Department of Defense, the implementation status of each element of the oversight plan.

SEC. 544. OVERSIGHT OF REGISTERED SEX OFFENDER MANAGEMENT PROGRAM.

(a) DESIGNATION OF OFFICIAL OR ENTITY.—The Secretary of Defense shall designate a single official or existing entity within the Office of the Secretary of Defense to serve as the official or entity (as the case may be) with principal responsibility in the Department of Defense for providing oversight of the registered sex offender management program of the Department.

(b) DUTIES.—The official or entity designated under subsection (a) shall—

(1) monitor compliance with Department of Defense Instruction 5525.20 and other relevant polices;

(2) compile data on members serving in the military departments who have been convicted of a qualifying sex offense, including data on the sex offender registration status of each such member;

(3) maintain statistics on the total number of active duty service members in each military department who are required to register as sex offenders; and

(4) perform such other duties as the Secretary of Defense determines to be appropriate.

(c) BRIEFING REQUIRED.—Not later than June 1, 2019, the Secretary of Defense shall provide to the Committee on Armed Services of the House of Representatives a briefing on—

(1) the compliance of the military departments with the policies of the Department of Defense relating to registered sex offenders;

(2) the results of the data compilation described in subsection (b)(2); and

(3) any other matters the Secretary determines to be appropriate.

(d) MILITARY DEPARTMENTS DEFINED.—In this section, the term "military departments" has the meaning given that term in section 101(a)(8) of title 10, United States Code.

SEC. 545. DEVELOPMENT OF RESOURCE GUIDES REGARDING SEXUAL ASSAULT FOR THE MILITARY SERVICE ACADEMIES.

(a) DEVELOPMENT.—Not later than 30 days after the date of the enactment of this Act, each Superintendent of a military service academy shall develop and maintain a resource guide for students at the respective military service academies regarding sexual assault.

(b) ELEMENTS.—Each guide developed under this section shall include the following information with regards to the relevant military service academy:

(1) PROCESS OVERVIEW AND DEFINITIONS.—

(A) An explanation of prohibited conduct, including examples.

(B) An explanation of consent.

(C) Victims' rights.

(D) Clearly described complaint process, including to whom a complaint may be filed.

(E) Explanations of restricted and unrestricted reporting.

(F) List of mandatory reporters.

(G) Protections from retaliation.

(H) Assurance that leadership will take appropriate corrective action.

(I) References to specific policies.

(J) Resources for survivors.

(2) EMERGENCY SERVICES.—

(A) Contact information.

(B) Location.

(3) SUPPORT AND COUNSELING.—Contact information for the following support and counseling resources:

(A) The Sexual Assault Prevention and Response Victim Advocate or other equivalent advocate or counselor available to students in cases of sexual assault.

(B) The Sexual Harassment/Assault Response and Prevention Resource Program Center.

(C) Peer counseling.

(D) Medical care.

(E) Legal counsel.

(F) Hotlines.

(G) Chaplain or other spiritual representatives.

(c) DISTRIBUTION.—Each Superintendent shall provide the current guide developed by that Superintendent under this section—

(1) not later than 30 days after completing development under subsection (a) to each student who is enrolled at the military service academy of that Superintendent on the date of the enactment of this Act;

(2) at the beginning of each academic year after the date of the enactment of this Act to each student who enrolls at the military service academy of that Superintendent; and

(3) as soon as practicable to a student at the military service academy of that Superintendent who reports that such student is a victim of sexual assault.

SEC. 546. IMPROVED CRIME REPORTING.

(a) TRACKING PROCESS.—The Secretary of Defense, in consultation with the secretaries of the military departments, shall establish a consolidated tracking process for the Department of Defense to ensure increased oversight of the timely submission of crime reporting data to the Federal Bureau of Investigation under section 922(g) of title 18, United States Code, and Department of Defense Instruction 5505.11, "Fingerprint Card and Final Disposition Report Submission Requirements". The tracking process shall, to the maximum extent possible, standardize and automate reporting and increase the ability of the Department to track such submissions.

(b) LETTER REQUIRED.—Not later than July 1, 2019, the Secretary of Defense shall submit a letter to the Committees on Armed Services of the Senate and House of Representatives that details the tracking process under subsection (a).

SEC. 547. REPORT ON VICTIMS OF SEXUAL ASSAULT IN REPORTS OF MILITARY CRIMINAL INVESTIGATIVE ORGANIZATIONS.

(a) REPORT.—Not later than September 30, 2019, and not less frequently than once every two years thereafter, the Secretary of Defense, acting through the Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces shall submit to the congressional defense committees a report that includes, with respect to the period of two years preceding the date of the submittal of the report, the following:

(1) The number of instances in which a covered individual was accused of misconduct or crimes considered collateral to the investigation of a sexual assault committed against the individual.

(2) The number of instances in which adverse action was taken against a covered individual who was accused of collateral misconduct or crimes as described in paragraph (1).

(3) The percentage of investigations of sexual assaults that involved an accusation or adverse action against a covered individual as described in paragraphs (1) and (2).

(b) COVERED INDIVIDUAL DEFINED.—In this section, the term "covered individual" means an individual who is identified as a victim of a sexual assault in the case files of a military criminal investigative organization.

Subtitle F—Member Education, Training, Resilience, and Transition

SEC. 551. PERMANENT CAREER INTERMISSION PROGRAM.

(a) CODIFICATION AND PERMANENT AUTHORITY.—Chapter 40 of title 10, United States Code, is amended by adding at the end the following new section 710:

"§ 710. Career flexibility to enhance retention of members

"(a) PROGRAMS AUTHORIZED.—Each Secretary of a military department may carry out programs under which members of the regular components and members on Active Guard and Reserve duty of the armed forces under the jurisdiction of such Secretary may be inactivated from active service in order to meet personal or professional needs and returned to active service at the end of such period of inactivation from active service.

"(b) PERIOD OF INACTIVATION FROM ACTIVE SERVICE; EFFECT OF INACTIVATION.—(1) The period of inactivation from active service under a program under this section of a member participating in the program shall be such period as the Secretary of the military department concerned shall specify in the agreement of the member under subsection (c), except that such period may not exceed three years.

"(2) Any service by a Reserve officer while participating in a program under this section shall be excluded from computation of the total years of service of that officer pursuant to section 14706(a) of this title.

"(3) Any period of participation of a member in a program under this section shall not count toward—

"(A) eligibility for retirement or transfer to the Ready Reserve under either chapter 571 or 1223 of this title; or

"(B) computation of retired or retainer pay under chapter 71 or 1223 of this title.

"(c) AGREEMENT.—Each member of the armed forces who participates in a program under this section shall enter into a written agreement with the Secretary of the military department concerned under which agreement that member shall agree as follows:

"(1) To accept an appointment or enlist, as applicable, and serve in the Ready Reserve of the armed force concerned during the period of the inactivation of the member from active service under the program.

"(2) To undergo during the period of the inactivation of the member from active service under the program such inactive service training as the Secretary concerned shall require in order to ensure that the member retains proficiency, at a level determined by the Secretary concerned to be sufficient, in the military skills, professional qualifications, and physical readiness of the member during the inactivation of the member from active service.

"(3) Following completion of the period of the inactivation of the member from active service under the program, to serve two months as a member of the armed forces on active service for each month of the period of the inactivation of the member from active service under the program.

"(d) CONDITIONS OF RELEASE.—The Secretary of Defense shall prescribe regulations specifying the guidelines regarding the conditions of release that must be considered and addressed in the agreement required by subsection (c). At a minimum, the Secretary shall prescribe the procedures and standards to be used to instruct a member on the obligations to be assumed by the member under paragraph (2) of such subsection while the member is released from active service.

"(e) ORDER TO ACTIVE SERVICE.—Under regulations prescribed by the Secretary of the military department concerned, a member of the armed forces participating in a program under this section may, in the discretion of such Secretary, be required to terminate participation in the program and be ordered to active service.

"(f) PAY AND ALLOWANCES.—(1) During each month of participation in a program under this section, a member who participates in the program shall be paid basic pay in an amount equal to two-thirtieths of the amount of monthly basic pay to which the member

would otherwise be entitled under section 204 of title 37 as a member of the uniformed services on active service in the grade and years of service of the member when the member commences participation in the program.

"(2)(A) A member who participates in a program shall not, while participating in the program, be paid any special or incentive pay or bonus to which the member is otherwise entitled under an agreement under chapter 5 of title 37 that is in force when the member commences participation in the program.

"(B) The inactivation from active service of a member participating in a program shall not be treated as a failure of the member to perform any period of service required of the member in connection with an agreement for a special or incentive pay or bonus under chapter 5 of title 37 that is in force when the member commences participation in the program.

"(3)(A) Subject to subparagraph (B), upon the return of a member to active service after completion by the member of participation in a program—

"(i) any agreement entered into by the member under chapter 5 of title 37 for the payment of a special or incentive pay or bonus that was in force when the member commenced participation in the program shall be revived, with the term of such agreement after revival being the period of the agreement remaining to run when the member commenced participation in the program; and

"(ii) any special or incentive pay or bonus shall be payable to the member in accordance with the terms of the agreement concerned for the term specified in clause (i).

"(B)(i) Subparagraph (A) shall not apply to any special or incentive pay or bonus otherwise covered by that subparagraph with respect to a member if, at the time of the return of the member to active service as described in that subparagraph—

"(I) such pay or bonus is no longer authorized by law; or

"(II) the member does not satisfy eligibility criteria for such pay or bonus as in effect at the time of the return of the member to active service.

"(ii) Subparagraph (A) shall cease to apply to any special or incentive pay or bonus otherwise covered by that subparagraph with respect to a member if, during the term of the revived agreement of the member under subparagraph (A)(i), such pay or bonus ceases being authorized by law.

"(C) A member who is ineligible for payment of a special or incentive pay or bonus otherwise covered by this paragraph by reason of subparagraph (B)(i)(II) shall be subject to the requirements for repayment of such pay or bonus in accordance with the terms of the applicable agreement of the member under chapter 5 of title 37.

"(D) Any service required of a member under an agreement covered by this paragraph after the member returns to active service as described in subparagraph (A) shall be in addition to any service required of the member under an agreement under subsection (c).

"(4)(A) Subject to subparagraph (B), a member who participates in a program is entitled, while participating in the program, to the travel and transportation allowances authorized by section 474 of title 37 for—

"(i) travel performed from the residence of the member, at the time of release from active service to participate in the program, to the location in the United States designated by the member as his residence during the period of participation in the program; and

"(ii) travel performed to the residence of the member upon return to active service at the end of the participation of the member in the program.

"(B) An allowance is payable under this paragraph only with respect to travel of a member to and from a single residence.

"(5) A member who participates in a program is entitled to carry forward the leave balance existing as of the day on which the member begins participation and accumulated in accordance with section 701 of this title, but not to exceed 60 days.

"(g) PROMOTION.—(1)(A) An officer participating in a program under this section shall not, while participating in the program, be eligible for consideration for promotion under chapter 36 or 1405 of this title.

"(B) Upon the return of an officer to active service after completion by the officer of participation in a program—

"(i) the Secretary of the military department concerned shall adjust the date of rank of the officer in such manner as the Secretary of Defense shall prescribe in regulations for purposes of this section; and

"(ii) the officer shall be eligible for consideration for promotion when officers of the same competitive category, grade, and seniority are eligible for consideration for promotion.

"(2) An enlisted member participating in a program shall not be eligible for consideration for promotion during the period that—

"(A) begins on the date of the inactivation of the member from active service under the program; and

"(B) ends at such time after the return of the member to active service under the program that the member is treatable as eligible for promotion by reason of time in grade and such other requirements as the Secretary of the military department concerned shall prescribe in regulations for purposes of the program.

"(h) CONTINUED ENTITLEMENTS.—A member participating in a program under this section shall, while participating in the program, be treated as a member of the armed forces on active duty for a period of more than 30 days for purposes of—

"(1) the entitlement of the member and of the dependents of the member to medical and dental care under the provisions of chapter 55 of this title; and

"(2) retirement or separation for physical disability under the provisions of chapters 55 and 61 of this title.".

(b) TECHNICAL AND CONFORMING AMENDMENTS.—

(1) TABLE OF SECTIONS.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 709a the following new item:

"710. Career flexibility to enhance retention of members.".

(2) CONFORMING REPEAL.—Section 533 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (10 U.S.C. prec. 701 note) is repealed.

SEC. 552. IMPROVEMENTS TO TRANSITION ASSISTANCE PROGRAM.

(a) PATHWAYS FOR TAP.—

(1) IN GENERAL.—Section 1142 of title 10, United States Code, is amended—

*(A) in the section heading by striking "**medical**" and inserting "**certain**";*

(B) in subsection (a)—

(i) in paragraph (1), by inserting "(regardless of character of discharge)" after "discharge";

(ii) in paragraph (3)(A)—

(I) by striking "as soon as possible during the 12-month period preceding" and inserting "not later than 365 days before";

(II) by striking "90 days" and inserting "365 days"; and

(III) by striking "discharge or release" and inserting "retirement or other separation"; and

(iii) in paragraph (3)(B)—

(I) by striking "90" and inserting "365"; and

(II) by striking "90-day" and inserting "365-day";

(C) by redesignating subsection (c) as subsection (d);

(D) by inserting after subsection (b) the following new subsection (c):

"(c) COUNSELING PATHWAYS.—(1) Each Secretary concerned, in consultation with the Secretaries of Labor and Veterans Affairs, shall establish at least three pathways for members of the military department concerned receiving individualized counseling under this section. The Secretaries shall design the pathways to address the needs of members, based on the following factors:

"(A) Rank.

"(B) Term of service.

"(C) Gender.

"(D) Whether the member was a member of a regular or reserve component of an armed force.

"(E) Disability.

"(F) Character of discharge (including expedited discharge and discharge under conditions other than honorable).

"(G) Health (including mental health).

"(H) Military occupational specialty.

"(I) Whether the member intends, after separation, retirement, or discharge, to—

"(i) seek employment;

"(ii) enroll in a program of higher education;

"(iii) enroll in a program of vocational training; or

"(iv) become an entrepreneur.

"(J) The educational history of the member.

"(K) The employment history of the member.

"(L) Whether the member has secured—

"(i) employment;

"(ii) enrollment in a program of education; or

"(iii) enrollment in a program of vocational training.

"(M) Other factors the Secretary of Defense and the Secretary of Homeland Security, in consultation with the Secretaries of Labor and Veterans Affairs, determine appropriate.

"(2) Each member described in subsection (a) shall meet in person or by video conference with a counselor before beginning counseling under this section to—

"(A) take a self-assessment designed by the Secretary concerned (in consultation with the Secretaries of Labor and Veterans Affairs) to ensure that the Secretary concerned places the member in the appropriate pathway under this subsection;

"(B) receive information from the counselor regarding reenlistment in the armed forces; and

"(C) receive information from the counselor regarding resources (including resources regarding military sexual trauma)—

"(i) for members of the armed forces separated, retired, or discharged;

"(ii) located in the community in which the member will reside after separation, retirement, or discharge.

"(3) At the meeting under paragraph (2), the member may elect to have the Secretary concerned (in consultation with the Secretaries of Labor and Veterans Affairs) provide the contact information of the member to the resources described in paragraph (2)(B)."; and

(E) by adding at the end the following new subsection:

"(e) JOINT SERVICE TRANSCRIPT.—The Secretary concerned shall provide a copy of the joint service transcript of a member described in subsection (a) to—

"(1) that member—

"(A) at the meeting with a counselor under subsection (c)(2); and

"(B) on the day the member separates, retires, or is discharged; and

"(2) the Secretary of Veterans Affairs on the day the member separates, retires, or is discharged.".

(2) DEADLINE.—Each Secretary concerned shall carry out subsection (c) of such section, as amended by paragraph (1), not later than 1 year after the date of the enactment of this Act.

(3) GAO STUDY.—Not later than 1 year after the Secretaries concerned carry out subsection (c) of such section, as amended by paragraph (1), the Comptroller General of the United States shall submit to Congress a review of the pathways for the Transition Assistance Program established under such subsection (c).

(b) CONTENTS OF TAP.—

(1) IN GENERAL.—Section 1144 of title 10, United States Code, is amended—

(A) in subsection (a), by striking "Such services" and inserting "Subject to subsection (f)(2), such services"; and

(B) by amending subsection (f) to read as follows:

"(f) PROGRAM CONTENTS.—(1) The program carried out under this section shall consist of instruction as follows:

"(A) One day of preseparation training specific to the armed force concerned, as determined by the Secretary concerned.

"(B) One day of instruction regarding—

"(i) benefits under laws administered by the Secretary of Veterans Affairs; and

"(ii) other subjects determined by the Secretary concerned.

"(C) One day of instruction regarding preparation for employment.

"(D) Two days of instruction regarding a topic selected by the member from the following subjects:

"(i) Preparation for employment.

"(ii) Preparation for education.

"(iii) Preparation for vocational training.

"(iv) Preparation for entrepreneurship.

"(v) Other options determined by the Secretary concerned.

"(2) The Secretary concerned may permit a member to attend training and instruction under the program established under this section—

"(A) before the time periods established under section 1142(a)(3) of this title;

"(B) in addition to such training and instruction required during such time periods.".

(2) DEADLINE.—The Transition Assistance Program shall comply with the requirements of section 1144(f) of title 10, United States Code, as amended by paragraph (1), not later than 1 year after the date of the enactment of this Act.

(3) ACTION PLAN.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit an action plan to the congressional defense committees that—

(A) details how the Secretary shall implement the requirements of section 1144(f) of title 10, United States Code, as amended by paragraph (1); and

(B) details how the Secretary, in consultation with the Secretaries of Veterans Affairs and Labor, shall establish standardized performance metrics to measure Transition Assistance Program participation and outcome-based objective benchmarks in order to—

(i) provide feedback to the Departments of Defense, Veterans Affairs, and Labor;

(ii) improve the curriculum of the Transition Assistance Program;

(iii) share best practices;

(iv) facilitate effective oversight of the Transition Assistance Program; and

(v) ensure members obtain sufficient financial literacy to effectively leverage conferred benefits and opportunities for employment, education, vocational training, and entrepreneurship.

(4) REPORT.—On the date that is 2 years after the date of the enactment of this Act and annually thereafter for the subsequent 4 years, the Secretary of Defense shall submit to the Committees on Armed Services and Veterans' Affairs of the Senate and the House of Representatives, the Committee on Commerce, Science, and Transportation of the Senate, and the Committee

on Transportation and Infrastructure of the House of Representatives, a report regarding members of the Armed Forces who have attended Transition Assistance Program counseling during the preceding year. The report shall detail the following:

(A) The total number of members who attended Transition Assistance Program counseling.

(B) The number of members who attended Transition Assistance Program counseling under paragraph (1) of section 1144(f) of title 10, as amended by paragraph (1).

(C) The number of members who attended Transition Assistance Program counseling under paragraph (2) of such section.

(D) The number of members who elected to attend each two-day instruction under paragraph (1)(D) of such section.

SEC. 553. REPEAL OF PROGRAM ON ENCOURAGEMENT OF POSTSEPARATION PUBLIC AND COMMUNITY SERVICE.

(a) REPEAL.—

(1) IN GENERAL.—Section 1143a of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 58 of such title is amended by striking the item relating to section 1143a.

(b) CONFORMING AMENDMENTS.—

(1) Section 1144(b) of title 10, United States Code, is amended—

(A) by striking paragraph (8); and

(B) by redesignating paragraphs (9), (10), and (11) as paragraphs (8), (9), and (10), respectively.

(2) Section 1142(b)(4)(C) of such title is amended by striking "the public and community service jobs program carried out under section 1143a of this title, and".

(3) Section 159(c)(2)(D) of the National and Community Service Act of 1990 (42 U.S.C. 12619(c)(2)(D)) is amended by striking "and as employment with a public service or community service organization for purposes of section 4464 of that Act".

(4) Section 162(a)(2) of such Act (42 U.S.C. 12622(a)(2)) is amended by striking "shall" and all that follows through "provide other" and inserting "shall provide".

(5) Subsection (c) of section 4403 of the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102–484; 10 U.S.C. 1293 note) is amended to read as follows:

"(c) INAPPLICABILITY OF CERTAIN PROVISIONS.—During the period specified in subsection (i)(2), this section does not apply as follows:

"(1) To members of the Coast Guard, notwithstanding section 542(d) of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103–337; 10 U.S.C. 1293 note).

"(2) To members of the commissioned corps of the National Oceanic and Atmospheric Administration, notwithstanding section 566(c) of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104–106; 10 U.S.C. 1293 note).".

(c) CONFORMING REPEAL.—

(1) REPEAL.—Section 4464 of the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102–484; 10 U.S.C. 1143a note) is repealed.

(2) APPLICABILITY.—The repeal made under paragraph (1) shall apply with respect to an individual who retires from the Armed Forces on or after the date of the enactment of this Act.

SEC. 554. CLARIFICATION OF APPLICATION AND HONORABLE SERVICE REQUIREMENTS UNDER THE TROOPS-TO-TEACHERS PROGRAM TO MEMBERS OF THE RETIRED RESERVE.

(a) IN GENERAL.—Paragraph (2)(B) of section 1154(d) of title 10, United States Code, is amended—

(1) by inserting "(A)(iii)," after "(A)(i),";

(2) by inserting "transferred to the Retired Reserve, or" after "member is retired,"; and

(3) by striking "separated," and inserting "separated".

(b) CONFORMING AMENDMENTS.—The second sentence of paragraph (3)(D) of such section is amended—

(1) by inserting ", the transfer of the member to the Retired Reserve," after "retirement of the member"; and

(2) by inserting "transfer," after "after the retirement,".

SEC. 555. EMPLOYMENT AND COMPENSATION OF CIVILIAN FACULTY MEMBERS AT THE JOINT SPECIAL OPERATIONS UNIVERSITY.

Section 1595(c) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(5) The Joint Special Operations University.".

SEC. 556. PROGRAM TO ASSIST MEMBERS OF THE ARMED FORCES IN OBTAINING PROFESSIONAL CREDENTIALS.

Section 2015(a) of title 10, United States Code, is amended by striking "related to military training" and all that follows through the period at the end of paragraph (2) and inserting "that translate into civilian occupations.".

SEC. 557. ENHANCEMENT OF AUTHORITIES IN CONNECTION WITH JUNIOR RESERVE OFFICERS' TRAINING CORPS PROGRAMS.

(a) FLEXIBILITY IN AUTHORITIES FOR MANAGEMENT OF PROGRAMS AND UNITS.—

(1) IN GENERAL.—Chapter 102 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2035. Flexibility in authorities for management of programs and units

"(a) AUTHORITY TO CONVERT OTHERWISE CLOSING UNITS TO NATIONAL DEFENSE CADET CORPS PROGRAM UNITS.—If the Secretary of a military department is notified by a local educational agency of the intent of the agency to close its Junior Reserve Officers' Training Corps, the Secretary shall offer the agency the option of converting the unit to a National Defense Cadet Corps (NDCC) program unit in lieu of closing the unit.

"(b) FLEXIBILITY IN ADMINISTRATION OF INSTRUCTORS.—

"(1) IN GENERAL.—The Secretaries of the military departments may, without regard to any other provision of this chapter, undertake initiatives designed to promote flexibility in the hiring and compensation of instructors for the Junior Reserve

Officers' Training Corps program under the jurisdiction of such Secretaries.

"(2) ELEMENTS.—The initiatives undertaken pursuant to this subsection may provide for one or more of the following:

"(A) Termination of the requirement for a waiver as a condition of the hiring of well-qualified non-commissioned officers with a bachelor's degree for senior instructor positions within the Junior Reserve Officers' Training Corps.

"(B) Specification of a single instructor as the minimum number of instructors required to found and operate a Junior Reserve Officers' Training Corps unit.

"(C) Authority for Junior Reserve Officers' Training Corps instructors to undertake school duties, in addition to Junior Reserve Officers' Training Corps duties, at small schools.

"(D) Authority for the payment of instructor compensation for a limited number of Junior Reserve Officers' Training Corps instructors on a 10-month per year basis rather than a 12-month per year basis.

"(E) Such other actions as the Secretaries of the military departments consider appropriate.

"(c) FLEXIBILITY IN ALLOCATION AND USE OF TRAVEL FUNDING.—The Secretaries of the military departments shall take appropriate actions to provide so-called regional directors of the Junior Reserve Officers' Training Corps programs located at remote rural schools enhanced discretion in the allocation and use of funds for travel in connection with Junior Reserve Officers' Training Corps activities.

"(d) STANDARDIZATION OF PROGRAM DATA.—The Secretary of Defense shall take appropriate actions to standardize the data collected and maintained on the Junior Reserve Officers' Training Corps programs in order to facilitate and enhance the collection and analysis of such data. Such actions shall include a requirement for the use of the National Center for Education Statistics (NCES) identification code for each school with a unit under a Junior Reserve Officers' Training Corps program in order to facilitate identification of such schools and their units under the Junior Reserve Officers' Training Corps programs.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 102 of such title is amended by adding at the end the following new item:

"2035. Flexibility in authorities for management of programs and units.".

(b) AUTHORITY FOR ADDITIONAL UNITS.—The Secretaries of the military departments may, using amounts authorized to be appropriated by this Act and available in the funding tables in sections 4301 and 4401 for purposes of the Junior Reserve Officers' Training Corps programs, establish an aggregate of not more than 100 units under the Junior Reserve Officers' Training Corps programs in low-income and rural areas of the United States and areas of the United States currently underserved by the Junior Reserve Officers' Training Corps programs.

SEC. 558. EXPANSION OF PERIOD OF AVAILABILITY OF MILITARY ONESOURCE PROGRAM FOR RETIRED AND DISCHARGED MEMBERS OF THE ARMED FORCES AND THEIR IMMEDIATE FAMILIES.

(a) IN GENERAL.—Under regulations prescribed by the Secretary of Defense, the period of eligibility for the Military OneSource program of the Department of Defense of an eligible individual retired, discharged, or otherwise released from the Armed Forces, and for the eligible immediate family members of such an individual, shall be the one-year period beginning on the date of the retirement, discharge, or release, as applicable, of such individual.

(b) INFORMATION TO FAMILIES.—The Secretary shall, in such manner as the Secretary considers appropriate, inform military families and families of veterans of the Armed Forces of the wide range of benefits available through the Military OneSource program.

SEC. 559. PROHIBITION ON USE OF FUNDS FOR ATTENDANCE OF ENLISTED PERSONNEL AT SENIOR LEVEL AND INTERMEDIATE LEVEL OFFICER PROFESSIONAL MILITARY EDUCATION COURSES.

(a) PROHIBITION.—None of the funds authorized to be appropriated or otherwise made available for the Department of Defense may be obligated or expended for the purpose of the attendance of enlisted personnel at senior level and intermediate level officer professional military education courses.

(b) SENIOR LEVEL AND INTERMEDIATE LEVEL OFFICER PROFESSIONAL MILITARY EDUCATION COURSES DEFINED.—In this section, the term "senior level and intermediate level officer professional military education courses" means any course for officers offered by a school specified in paragraph (1) or (2) of section 2151(b) of title 10, United States Code.

(c) REPEAL OF SUPERSEDED LIMITATION.—

(1) IN GENERAL.—Section 547 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is repealed.

(2) PRESERVATION OF CERTAIN REPORTING REQUIREMENT.—The repeal in paragraph (1) shall not be interpreted to terminate the requirement of the Comptroller General of the United States to submit the report required by subsection (c) of section 547 of the National Defense Authorization Act for Fiscal Year 2018.

Subtitle G—Defense Dependents' Education

SEC. 561. ASSISTANCE TO SCHOOLS WITH MILITARY DEPENDENT STUDENTS.

(a) IMPACT AID FOR CHILDREN WITH SEVERE DISABILITIES.—

(1) IN GENERAL.—Of the amount authorized to be appropriated for fiscal year 2019 pursuant to section 301 and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301, $10,000,000 shall be available for payments under section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106–398; 20 U.S.C. 7703a).

(2) USE OF CERTAIN AMOUNT.—Of the amount available under paragraph (1) for payments as described in that paragraph, $5,000,000 shall be available for such payments to local

educational agencies determined by the Secretary of Defense, in the discretion of the Secretary, to have higher concentrations of military children with severe disabilities.

(b) ASSISTANCE TO SCHOOLS WITH SIGNIFICANT NUMBERS OF MILITARY DEPENDENT STUDENTS.—Of the amount authorized to be appropriated for fiscal year 2019 by section 301 and available for operation and maintenance for Defense-wide activities as specified in the funding table in section 4301, $40,000,000 shall be available only for the purpose of providing assistance to local educational agencies under subsection (a) of section 572 of the National Defense Authorization Act for Fiscal Year 2006 (Public Law 109–163; 20 U.S.C. 7703b).

(c) LOCAL EDUCATIONAL AGENCY DEFINED.—In this section, the term "local educational agency" has the meaning given that term in section 7013(9) of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7713(9)).

SEC. 562. DEPARTMENT OF DEFENSE EDUCATION ACTIVITY POLICIES AND PROCEDURES ON SEXUAL HARASSMENT OF STUDENTS OF ACTIVITY SCHOOLS.

(a) APPLICABILITY OF TITLE IX PROTECTIONS.—The provisions of title IX of the Education Amendments of 1972 (20 U.S.C. 1681 et seq.) (in this section referred to as "title IX") with respect to education programs or activities receiving Federal financial assistance shall apply equally to education programs and activities administered by the Department of Defense Education Activity (DODEA).

(b) POLICIES AND PROCEDURES.—Not later than March 31, 2019, the Department of Defense Education Activity shall establish policies and procedures to protect students at schools of the Activity who are victims of sexual harassment. Such policies and procedures shall afford protections at least comparable to the protections afforded under title IX.

(c) ELEMENTS.—The policies and procedures required by subsection (b) shall include, at a minimum, the following:

(1) A policy addressing sexual harassment of students at the schools of the Department of Defense Education Activity that uses and incorporates terms, procedures, protections, investigation standards, and standards of evidence consistent with title IX.

(2) A procedure by which—

(A) a student of a school of the Activity, or a parent of such a student, may file a complaint with the school alleging an incident of sexual harassment at the school; and

(B) such a student or parent may appeal the decision of the school regarding such complaint.

(3) A procedure and mechanisms for the appointment and training of, and allocation of responsibility to, a coordinator at each school of the Activity for sexual harassment matters involving students from the military community served by such school.

(4) Training of employees of the Activity, and volunteers at schools of the Activity, on the policies and procedures.

(5) Mechanisms for the broad distribution and display of the policy described in paragraph (1), including on the Internet website of the Activity and on Internet websites of schools of the Activity, in printed and online versions of student handbooks,

and in brochures and flyers displayed on school bulletin boards and in guidance counselor offices.

(6) Reporting and recordkeeping requirements designed to ensure that—

(A) complaints of sexual harassment at schools of the Activity are handled—

(i) with professionalism and consistency; and

(ii) in a manner that permits coordinators referred to in paragraph (3) to track trends in incidents of sexual harassment and to identify repeat offenders of sexual harassment; and

(B) appropriate members of the local leadership of military communities are held accountable for acting upon complaints of sexual harassment at schools of the Activity.

SEC. 563. DEPARTMENT OF DEFENSE EDUCATION ACTIVITY MISCONDUCT DATABASE.

(a) COMPREHENSIVE DATABASE.—The Secretary of Defense shall consolidate the various databases and mechanisms for the reporting and tracking of juvenile misconduct in Department of Defense Education Activity (hereinafter in this section referred to as "DODEA") schools into one comprehensive database for DODEA juvenile misconduct. The comprehensive database shall include all unresolved and all substantiated allegations of juvenile-on-juvenile sexual misconduct.

(b) POLICY.—The Secretary shall establish a comprehensive policy regarding the reporting and tracking of juvenile misconduct cases occurring in DODEA schools, including policies establishing appropriate safeguards to prevent unauthorized disclosure of sensitive information contained in the comprehensive database required by subsection (a).

SEC. 564. ASSESSMENT AND REPORT ON ACTIVE SHOOTER THREAT MITIGATION AT SCHOOLS LOCATED ON MILITARY INSTALLATIONS.

(a) ASSESSMENT.—The Secretary of Defense shall conduct an assessment of strategies that may be used to address any security threat posed by active shooter incidents at public elementary schools and secondary schools located on the grounds of Federal military installations.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that includes the results of the assessment conducted under subsection (a).

Subtitle H—Military Family Readiness Matters

SEC. 571. DEPARTMENT OF DEFENSE MILITARY FAMILY READINESS COUNCIL MATTERS.

(a) MEMBER MATTERS.—

(1) MEMBERSHIP.—Paragraph (1)(B) of subsection (b) of section 1781a of title 10, United States Code, is amended—

(A) in clause (i), by striking "a member of the armed force to be represented" and inserting "a member or civilian employee of the armed force to be represented"; and

(B) by striking clause (ii) and inserting the following new clause (ii):

"(ii) One representative, who shall be a member or civilian employee of the National Guard Bureau, to represent both the Army National Guard and the Air National Guard.".

(2) TERMS.—Paragraph (2) of such subsection is amended—

(A) in subparagraph (A)—

(i) in the first sentence, by striking "clauses (i) and (iii) of"; and

(ii) by striking the second sentence; and

(B) in subparagraph (B), by striking "three years" and inserting "two years".

(b) DUTIES.—Subsection (d) of such section is amended—

(1) in paragraph (2), by striking "military family readiness by the Department of Defense" and inserting "military family readiness programs and activities of the Department of Defense"; and

(2) by adding at the end the following new paragraph:

"(4) To make recommendations to the Secretary of Defense to improve collaboration, awareness, and promotion of accurate and timely military family readiness information and support services by policy makers, service providers, and targeted beneficiaries.".

(c) ANNUAL REPORTS.—Subsection (e) of such section is amended by striking "February 1" and inserting "July 1".

(d) EFFECTIVE DATE.—

(1) IN GENERAL.—The amendments made by this section shall take effect on the date of the enactment of this Act.

(2) APPLICABILITY OF MEMBERSHIP AND TERM AMENDMENTS.—The amendments made by subsection (a) shall apply to members of the Department of Defense Military Family Readiness Council appointed after the date of the enactment of this Act.

SEC. 572. ENHANCEMENT AND CLARIFICATION OF FAMILY SUPPORT SERVICES FOR FAMILY MEMBERS OF MEMBERS OF SPECIAL OPERATIONS FORCES.

Section 1788a of title 10, United States Code, is amended—

(1) by striking "activities" each place it appears and inserting "services";

(2) in subsection (b)(2), by striking "activity" and inserting "service";

(3) in subsection (c), by striking "$5,000,000" and inserting "$10,000,000"; and

(4) in subsection (e), by adding at the end the following new paragraph:

"(4) The term 'family support services' includes costs of transportation, food, lodging, child care, supplies, fees, and training materials for immediate family members of members of the armed forces assigned to special operations forces while participating in programs under subsection (a).".

SEC. 573. TEMPORARY EXPANSION OF AUTHORITY FOR NONCOMPETITIVE APPOINTMENTS OF MILITARY SPOUSES BY FEDERAL AGENCIES.

(a) EXPANSION TO INCLUDE ALL SPOUSES OF MEMBERS OF THE ARMED FORCES ON ACTIVE DUTY.—Section 3330d of title 5, United States Code, is amended—

(1) in subsection (a)—

(A) by striking paragraphs (3), (4), and (5); and

(B) by redesignating paragraph (6) as paragraph (3);

(2) by striking subsections (b) and (c) and inserting the following new subsection (b):

"(b) APPOINTMENT AUTHORITY.—The head of an agency may appoint noncompetitively—

"(1) a spouse of a member of the Armed Forces on active duty; or

"(2) a spouse of a disabled or deceased member of the Armed Forces.";

(3) by redesignating subsection (d) as subsection (c); and

(4) in subsection (c), as so redesignated, by striking "subsection (a)(6)" in paragraph (1) and inserting "subsection (a)(3)".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 33 of such title is amended by striking the item relating to section 3330d and inserting the following new item:

"3330d. Appointment of military spouses.".

(c) HEADING AMENDMENT.—The heading of such section is amended to read as follows:

"§ 3330d. Appointment of military spouses".

(d) OPM LIMITATION AND REPORTS.—

(1) RELOCATING SPOUSES.—With respect to the noncompetitive appointment of a relocating spouse of a member of the Armed Forces under subsection (b)(1) of section 3330d of title 5, United States Code, as amended by subsection (a), the Director of the Office of Personnel Management—

(A) shall monitor the number of such appointments;

(B) shall require the head of each agency with authority to make such appointments under such section to submit an annual report to the Director on such appointments, including information on the number of individuals so appointed, the types of positions filled, and the effectiveness of the authority for such appointments; and

(C) not later than 18 months after the date of the enactment of this Act, shall submit a report to the Committee on Oversight and Government Reform of the House of Representatives and the Committee on Homeland Security and Government Affairs of the Senate on the use and effectiveness of such authority.

(2) NON-RELOCATING SPOUSES.—With respect to the noncompetitive appointment of a spouse of a member of the Armed Forces other than a relocating spouse described in paragraph (1), the Director of the Office of Personnel Management—

(A) shall treat the spouse as a relocating spouse under paragraph (1); and

(B) may limit the number of such appointments.

(e) SUNSET.—Effective on the date that is 5 years after the date of the enactment of this Act—

(1) the authority provided by this section, and the amendments made by this section, shall expire; and

(2) the provisions of section 3330d of title 5, United States Code, amended or repealed by such section are restored or revived as if such section had not been enacted.

SEC. 574. IMPROVEMENT OF MY CAREER ADVANCEMENT ACCOUNT PROGRAM FOR MILITARY SPOUSES.

(a) OUTREACH ON AVAILABILITY OF PROGRAM.—The Secretary of Defense shall take appropriate actions to ensure that military spouses who are eligible for participation in the My Career Advancement Account program of the Department of Defense are, to the extent practicable, made aware of the program.

(b) COMPTROLLER GENERAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth such recommendations as the Comptroller General considers appropriate regarding the following:

(1) Mechanisms to increase awareness of the My Career Advancement Account program of the Department of Defense among military spouses who are eligible to participate in the program.

(2) Mechanisms to increase participation in the My Career Advancement Account program among military spouses who are eligible to participate in the program.

(c) TRAINING FOR INSTALLATION CAREER COUNSELORS ON PROGRAM.—The Secretaries of the military departments shall take appropriate actions to ensure that career counselors at military installations receive appropriate training and current information on eligibility for and use of benefits under the My Career Advancement Account program, including financial assistance to cover costs associated with professional recertification, portability of occupational licenses, professional credential exams, and other mechanisms in connection with the portability of professional licenses.

SEC. 575. ASSESSMENT AND REPORT ON THE EFFECTS OF PERMANENT CHANGES OF STATION ON EMPLOYMENT AMONG MILITARY SPOUSES.

(a) ASSESSMENT REQUIRED.—The Secretary of Defense shall conduct an assessment of the effects of frequent, permanent changes of station on the stability of employment among spouses of members of the Armed Forces.

(b) ELEMENTS.—The assessment required under subsection (a) shall include the following:

(1) An assessment of how frequent, permanent changes of station may contribute to unemployment or underemployment among spouses of members of the Armed Forces.

(2) An assessment of how unemployment and underemployment among military spouses may affect force readiness.

(3) Such recommendations as the Secretary considers appropriate regarding legislative or administration actions that may be carried out to achieve force readiness and stabilization through the minimization of the impacts of frequent, permanent

changes in station on the stability of employment among military spouses.

(c) REPORT.—Not later than February 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that includes the results of the assessment with respect to each element described in subsection (b).

SEC. 576. PROVISIONAL OR INTERIM CLEARANCES TO PROVIDE CHILDCARE SERVICES AT MILITARY CHILDCARE CENTERS.

(a) IN GENERAL.—The Secretary of Defense shall implement a policy to permit the issuance on a provisional or interim basis of clearances for the provision of childcare services at military childcare centers.

(b) ELEMENTS.—The policy required by subsection (a) shall provide for the following:

(1) Any clearance issued under the policy shall be temporary and contingent upon the satisfaction of such requirements for the issuance of a clearance on a permanent basis as the Secretary considers appropriate.

(2) Any individual issued a clearance on a provisional or interim basis under the policy shall be subject to such supervision in the provision of childcare services using such clearance as the Secretary considers appropriate.

(c) CLEARANCE DEFINED.—In this section, the term "clearance", with respect to an individual and the provision of childcare services, means the formal approval of the individual, after appropriate background checks and other review, to provide childcare services to children at a military childcare center of the Department of Defense.

SEC. 577. MULTIDISCIPLINARY TEAMS FOR MILITARY INSTALLATIONS ON CHILD ABUSE AND OTHER DOMESTIC VIOLENCE.

(a) MULTIDISCIPLINARY TEAMS REQUIRED.—

(1) IN GENERAL.—Under regulations prescribed by each Secretary concerned, there shall be established and maintained for each military installation, except as provided in paragraph (2), one or more multidisciplinary teams on child abuse and other domestic violence for the purposes specified in subsection (b).

(2) SINGLE TEAM FOR PROXIMATE INSTALLATIONS.—A single multidiscipinary team described in paragraph (1) may be established and maintained under this subsection for two or more military installations in proximity with one another if the Secretary concerned determines, in consultation with the Secretary of Defense, that a single team for such installations suffices to carry out the purposes of such teams under subsection (b) for such installations.

(b) PURPOSES.—The purposes of each multidisciplinary team maintained pursuant to subsection (a) shall be as follows:

(1) To provide for the sharing of information among such team and other appropriate personnel on the installation or installations concerned regarding the progress of investigations into and resolutions of incidents of child abuse and other domestic violence involving members of the Armed Forces stationed at or otherwise assigned to the installation or installations.

(2) To provide for and enhance collaborative efforts among such team and other appropriate personnel of the installation or installations regarding investigations into and resolutions of such incidents.

(3) To enhance the social services available to military families at the installation or installations in connection with such incidents, including through the enhancement of cooperation among specialists and other personnel providing such services to such military families in connection with such incidents.

(4) To carry out such other duties regarding the response to child abuse and other domestic violence at the installation or installations as the Secretary concerned considers appropriate for such purposes.

(c) PERSONNEL.—

(1) IN GENERAL.—Each multidisciplinary team maintained pursuant to subsection (a) shall be composed of the following:

(A) One or more judge advocates.

(B) Appropriate personnel of one or more military criminal investigation services.

(C) Appropriate mental health professionals.

(D) Appropriate medical personnel.

(E) Family advocacy case workers.

(F) Such other personnel as the Secretary or Secretaries concerned consider appropriate.

(2) EXPERTISE AND TRAINING.—Any individual assigned to a multidisciplinary team shall possess such expertise, and shall undertake such training as is required to maintain such expertise, as the Secretary concerned shall specify for purposes of this section in order to ensure that members of the team remain appropriately qualified to carry out the purposes of the team under this section. The training and expertise so specified shall include training and expertise on special victims' crimes, including child abuse and other domestic violence.

(d) COORDINATION AND COLLABORATION WITH NON-MILITARY RESOURCES.—

(1) USE OF COMMUNITY RESOURCES SERVING INSTALLATIONS.—In providing under this section for a multidisciplinary team for a military installation or installations that benefit from services or resources on child abuse or other domestic violence that are provided by civilian entities in the vicinity of the installation or installations, the Secretary concerned may take the availability of such services or resources to the installation or installations into account in providing for the composition and duties of the team.

(2) BEST PRACTICES.—The Secretaries concerned shall take appropriate actions to ensure that multidisciplinary teams maintained pursuant to subsection (a) remain fully and currently apprised of best practices in the civilian sector on investigations into and resolutions of incidents of child abuse and other domestic violence and on the social services provided in connection with such incidents.

(3) COLLABORATION.—In providing for the enhancement of social services available to military families in accordance with subsection (b)(3), the Secretaries concerned shall permit, facilitate, and encourage multidisciplinary teams to collaborate with

appropriate civilian agencies in the vicinity of the military installations concerned with regard to availability, provision, and use of such services to and by such families.

(e) ANNUAL REPORTS.—Not later than March 1 of each year from 2020 through 2022, each Secretary concerned shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the activities of multidisciplinary teams maintained pursuant to subsection (a) under the jurisdiction of such Secretary during the preceding year. Each report shall set forth, for the period covered by such report, the following:

(1) A summary description of the activities of the multidisciplinary teams concerned, including the number and composition of such teams, the recurring activities of such teams, and any notable achievements of such teams.

(2) A description of any impediments to the effectiveness of such teams.

(3) Such recommendations for legislative or administrative action as such Secretary considers appropriate in order to improve the effectiveness of such teams.

(4) Such other matters with respect to such teams as such Secretary considers appropriate.

(f) SECRETARY CONCERNED.—

(1) DEFINITION.—In this section, the term "Secretary concerned" has the meaning given that term in section 101(a)(9) of title 10, United States Code.

(2) USAGE WITH RESPECT TO MULTIPLE INSTALLATIONS.—For purposes of this section, any reference to "Secretary concerned" with respect to a single multidisciplinary team established and maintained pursuant to subsection (a) for two or more military installations that are under the jurisdiction of different Secretaries concerned, shall be deemed to refer to each Secretary concerned who has jurisdiction of such an installation, acting jointly.

SEC. 578. PILOT PROGRAM FOR MILITARY FAMILIES: PREVENTION OF CHILD ABUSE AND TRAINING ON SAFE CHILDCARE PRACTICES.

(a) PILOT PROGRAM.—

(1) PURPOSE.—In order to reduce child abuse and fatalities due to abuse or neglect in covered households, the Secretary of Defense, acting through the Defense Health Agency, shall carry out a pilot program to—

(A) provide information regarding safe childcare practices to covered households;

(B) identify and assess risk factors for child abuse in covered households; and

(C) facilitate connections between covered households and community resources.

(2) PROHIBITION ON DELEGATION.—The Secretary may not carry out the pilot program through the Family Advocacy Program.

(3) LOCATIONS.—The Secretary shall carry out the pilot program at no fewer than five military installations that reflect a range of characteristics including the following:

(A) Urban location.

(B) Rural location.

(C) Large population.

(D) Small population.

(E) High incidence of child abuse, neglect, or both.

(F) Low incidence of child abuse, neglect, or both.

(G) Presence of a hospital or clinic.

(H) Lack of a hospital or clinic.

(I) Joint installation.

(J) Serving only one Armed Force.

(4) TERM.—The pilot program shall terminate two years after implementation.

(5) DESIGN.—The Secretary shall design the pilot program in consultation with military family groups to respond to the needs of covered households.

(6) ELEMENTS.—The pilot program shall include the following elements:

(A) Postnatal services, including screening to identify family needs and potential risk factors, and make referrals to appropriate community services with the use of the electronic data described in subparagraphs (F) and (G).

(B) The Secretary shall identify at least three approaches to screening, identification, and referral under subparagraph (A) that empirically improve outcomes for parents and infants.

(C) Services and resources designed for a covered household by the Secretary after considering the information gained from the screening and identification under subparagraph (A). Such services and resources may include or address the following:

(i) General maternal and infant health exam.

(ii) Safe sleeping environments.

(iii) Feeding and bathing.

(iv) Adequate child supervision.

(v) Common hazards.

(vi) Self-care.

(vii) Postpartum depression, substance abuse, or domestic violence.

(viii) Community violence.

(ix) Skills for management of infant crying.

(x) Other positive parenting skills and practices.

(xi) The importance of participating in ongoing healthcare for an infant and for treating postpartum depression.

(xii) Finding, qualifying for, and participating in available community resources with respect to infant care, childcare, parenting support, and home visits.

(xiii) Planning for parenting or guardianship of children during deployment and reintegration.

(xiv) Such other matters as the Secretary, in consultation with military families, considers appropriate.

(D) Home visits to provide support, screening and referral services shall be offered as needed. The number of visits offered shall be guided by parental interest and family need, but in general is expected to be no more than three.

(E) If a parent is deployed at the time of birth—

(i) the first in-home visit under subparagraph (D) shall, to the extent practicable, incorporate both parents, in person with the local parent and by electronic means with the deployed parent; and

(ii) another such home visit shall be offered upon the return of the parent from deployment, and shall include both parents, if determined in the best interest of the family.

(F) An electronic directory of community resources available to covered households and pilot program personnel to help covered households access such resources.

(G) An electronic integrated data system to—

(i) help pilot program personnel refer eligible covered beneficiaries to services and resources under the pilot program;

(ii) track usage of such services and resources and interactions between such personnel and covered households; and

(iii) evaluate the implementation, outcomes, and effectiveness of the pilot program.

(b) VOLUNTARY PARTICIPATION.—Participation in the pilot program shall be at the election of a covered beneficiary in an eligible household.

(c) OUTREACH.—

(1) IN GENERAL.—Not later than 30 days after implementing the pilot program, the Secretary shall notify each covered household of the services provided under subsection (b).

(2) COVERED HOUSEHOLDS WITH NEWBORNS.—No later than 30 days after a birth in a covered household, the Secretary shall contact such covered household to encourage participation in the pilot program.

(d) ASSESSMENTS.—

(1) NUMBER.—The Secretary shall carry out no fewer than five assessments of the pilot program.

(2) COMPARISON INSTALLATIONS.—For purposes of this subsection, the Secretary shall also select such number of other military installations the Secretary determines appropriate as comparison installations for purposes of assessing the outcomes of the pilot.

(3) ASSESSMENT.—The Secretary shall assess each of the following:

(A) Success in contacting covered households for participation in the pilot.

(B) The percentage of covered households that elect to participate in the pilot program.

(C) The extent to which covered households participating in the pilot program are connected to services and resources under the pilot program.

(D) The extent to which covered households participating in the pilot program use services and resources under the pilot program.

(E) Compliance of pilot program personnel with pilot program protocols.

(e) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the pilot program under this section. The report shall include a comprehensive description of the assessments under subsection (d), as well as the following:

(A) Which installations the Secretary selected for the pilot program under subsection (a)(2).

(B) Why the Secretary selected the installations described in subparagraph (A).

(C) Names of the installations the Secretary selected as comparison installations under subsection (d)(2).

(D) How the pilot program is carried out, including strategy and metrics for evaluating effectiveness of the pilot program.

(2) FINAL REPORT.—Not later than 180 days after the termination of the pilot program, the Secretary shall submit to the committees specified in paragraph (1) a final report on the pilot program. The report shall include the following:

(A) A comprehensive description of, and findings of, the assessments under subsection (d).

(B) A comprehensive description and assessment of the pilot.

(C) Such recommendations for legislative or administrative action the Secretary determines appropriate, including whether to—

(i) extend the term of the pilot program;

(ii) expand the pilot program to additional installations; or

(iii) make the pilot program permanent.

(f) DEPARTMENTAL IMPLEMENTATION.—If the Secretary determines that any element of the pilot program is effective, the Secretary shall implement such element permanently for the Department of Defense.

(g) DEFINITIONS.—In this section:

(1) The term "covered household" means a household that—

(A) contains an eligible covered beneficiary; and

(B) is located at a location selected by the Secretary for the pilot program.

(2) The term "eligible covered beneficiary" means a covered beneficiary (as that term is defined in section 1072 of title 10, United States Code) who obtains prenatal or obstetrical care in a military medical treatment facility in connection with a birth covered by the pilot program.

(3) With respect to a military installation, the term "community" means the catchment area for community services of the installation, including services provided on the installation by the Secretary and services provided by State, county, and local jurisdictions in which the installation is located, or in the vicinity of the installation.

SEC. 579. ASSESSMENT AND REPORT ON SMALL BUSINESS ACTIVITIES OF MILITARY SPOUSES ON MILITARY INSTALLATIONS IN THE UNITED STATES.

(a) ASSESSMENT REQUIRED.—The Secretary of Defense shall conduct an assessment of the feasibility and advisability of permit-

ting military spouses to engage in small business activities on military installations in the United States and in partnership with commissaries, exchange stores, and other morale, welfare, and recreation facilities of the Armed Forces in the United States.

(b) ELEMENTS.—The assessment required under subsection (a) shall—

(1) take into account the usage by military spouses of installation facilities, utilities, and other resources in the conduct of small business activities on military installations in the United States and such other matters in connection with the conduct of such business activities by military spouses as the Secretary considers appropriate; and

(2) seek to identify mechanisms to ensure that costs and fees associated with the usage by military spouses of such facilities, utilities, and other resources in connection with such business activities does not meaningfully curtail or eliminate the opportunity for military spouses to profit reasonably from such business activities.

(c) REPORT.—Not later than March 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that includes the results of the assessment, including the results with respect to each element described in subsection (b).

Subtitle I—Decorations and Awards

SEC. 581. ATOMIC VETERANS SERVICE CERTIFICATE.

(a) SERVICE CERTIFICATE REQUIRED.—The Secretary of Defense shall design and produce a military service certificate, to be known as the "Atomic Veterans Service Certificate", to honor retired and former members of the Armed Forces who are radiation-exposed veterans (as such term is defined in section 1112(c)(3) of title 38, United States Code).

(b) DISTRIBUTION OF CERTIFICATE.—

(1) ISSUANCE TO RETIRED AND FORMER MEMBERS.—At the request of a radiation-exposed veteran, the Secretary of Defense shall issue the Atomic Veterans Service Certificate to the veteran.

(2) ISSUANCE TO NEXT-OF-KIN.—In the case of a radiation-exposed veteran who is deceased, the Secretary may provide for issuance of the Atomic Veterans Service Certificate to the next-of-kin of the person.

SEC. 582. AWARD OF MEDALS OR OTHER COMMENDATIONS TO HANDLERS OF MILITARY WORKING DOGS.

(a) PROGRAM OF AWARD REQUIRED.—Each Secretary of a military department shall carry out a program to provide for the award of one or more medals or other commendations to handlers of military working dogs under the jurisdiction of such Secretary to recognize valor or meritorious achievement by such handlers and dogs.

(b) MEDALS AND COMMENDATIONS.—Any medal or commendation awarded pursuant to a program under subsection (a) shall be of such design, and include such elements, as the Secretary of the military department concerned shall specify. The Secretary concerned may use an existing award to carry out such program.

(c) PRESENTATION AND ACCEPTANCE.—Any medal or commendation awarded pursuant to a program under subsection (a) may be presented to and accepted by the handler concerned on behalf of the handler and the military working dog concerned.

(d) REGULATIONS.—Medals and commendations shall be awarded under programs under subsection (a) in accordance with regulations prescribed by the Secretary of Defense for purposes of this section.

SEC. 583. AUTHORIZATION FOR AWARD OF DISTINGUISHED-SERVICE CROSS TO JUSTIN T. GALLEGOS FOR ACTS OF VALOR DURING OPERATION ENDURING FREEDOM.

(a) WAIVER OF TIME LIMITATIONS.—Notwithstanding the time limitations specified in section 3744 of title 10, United States Code, or any other time limitations with respect to the awarding of certain medals to persons who served in the Armed Forces, the Secretary of the Army may award the Distinguished-Service Cross under section 3742 of such title to Justin T. Gallegos for the acts of valor described in subsection (b).

(b) ACTS OF VALOR DESCRIBED.—The acts of valor referred to in subsection (a) are the actions of Justin T. Gallegos on October 3, 2009, as a member of the Army in the grade of Staff Sergeant, serving in Afghanistan with the 61st Cavalry Regiment, 4th Brigade Combat Team, 4th Infantry Division.

Subtitle J—Miscellaneous Reports and Other Matters

SEC. 591. ANNUAL DEFENSE MANPOWER REQUIREMENTS REPORT MATTERS.

(a) DATE OF SUBMITTAL.—Subsection (a) of section 115a of title 10, United States Code, is amended in the matter preceding paragraph (1) by striking "not later than 45 days after the date on which" and inserting "on the date on which".

(b) SPECIFICATION OF ANTICIPATED OPPORTUNITIES FOR PROMOTION OF COMMISSIONED OFFICERS.—Subsection (d) of such section is amended by adding the following new paragraph:

> *"(4) The opportunities for promotion of commissioned officers anticipated to be estimated pursuant to section 623(b)(4) of this title for the fiscal year in which such report is submitted for purposes of promotion selection boards convened pursuant to section 611 of this title during such fiscal year.".*

SEC. 592. BURIAL OF UNCLAIMED REMAINS OF INMATES AT THE UNITED STATES DISCIPLINARY BARRACKS CEMETERY, FORT LEAVENWORTH, KANSAS.

Section 985 of title 10, United States Code, is amended—

(1) in subsection (b), by striking "A person who is ineligible" in the matter preceding paragraph (1) and inserting "Except as provided in subsection (c), a person who is ineligible";

(2) by redesignating subsection (c) as subsection (d); and

(3) by inserting after subsection (b) the following new subsection (c):

"(c) UNCLAIMED REMAINS OF MILITARY PRISONERS.—Subsection (b) shall not preclude the burial at the United States Disciplinary Barracks Cemetery at Fort Leavenworth, Kansas, of a military prisoner, including a military prisoner who is a person described in section 2411(b) of title 38, who dies while in custody of a military department and whose remains are not claimed by the person author-

ized to direct disposition of the remains or by other persons legally authorized to dispose of the remains.".

SEC. 593. STANDARDIZATION OF FREQUENCY OF ACADEMY VISITS OF THE AIR FORCE ACADEMY BOARD OF VISITORS WITH ACADEMY VISITS OF BOARDS OF OTHER MILITARY SERVICE ACADEMIES.

Section 9355 of title 10, United States Code, is amended by striking subsection (d) and inserting the following new subsection:

"(d) The Board shall visit the Academy annually. With the approval of the Secretary of the Air Force, the Board or its members may make other visits to the Academy in connection with the duties of the Board or to consult with the Superintendent of the Academy. Board members shall have access to the Academy grounds and the cadets, faculty, staff, and other personnel of the Academy for the purposes of the duties of the Board.".

SEC. 594. NATIONAL COMMISSION ON MILITARY, NATIONAL, AND PUBLIC SERVICE MATTERS.

(a) DEFINITIONS.—Section 551(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2130) is amended—

(1) in paragraph (1), by inserting after "United States Code)" the following: "or active status (as that term is defined in subsection (d)(4) of such section)";

(2) in paragraph (2)—

(A) by striking "'national service'" and inserting "'public service'"; and

(B) by striking "or State Government" and inserting ", State, Tribal, or local government";

(3) in paragraph (3)—

(A) by striking "'public service'" and inserting "'national service'"; and

(B) by striking "employment" and inserting "participation"; and

(4) by adding at the end the following new paragraph:

"(4) The term 'establishment date' means September 19, 2017.".

(b) EXCEPTION TO PAPERWORK REDUCTION ACT.—Section 555(e) of that Act (130 Stat. 2134) is amended by adding at the end the following new paragraph:

"(4) PAPERWORK REDUCTION ACT.—For purposes of developing its recommendations, the information collection of the Commission may be treated as a pilot project under section 3505(a) of title 44, United States Code. In addition, the Commission shall not be subject to the requirements of section 3506(c)(2)(A) of such title.".

SEC. 595. PUBLIC AVAILABILITY OF TOP-LINE NUMBERS OF DEPLOYED MEMBERS OF THE ARMED FORCES.

(a) IN GENERAL.—Except as provided in subsection (b), the Secretary of Defense shall make publicly available, on a quarterly basis, on a website of the Department the top-line numbers of members of the Armed Forces deployed for each country as of the date of the submittal of the report and the total number of members of the Armed Forces so deployed during the quarter covered by the report.

(b) WAIVER.—

(1) IN GENERAL.—The Secretary may waive the requirement under subsection (a) in the case of a sensitive military operation if—

(A) the Secretary determines the public disclosure of the number of deployed members of the Armed Forces could reasonably be expected to provide an operational military advantage to an adversary; or

(B) members of the Armed Forces are deployed for a period that does not exceed 30 days.

(2) NOTICE.— If the Secretary issues a waiver under this subsection, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives—

(A) a notice of the waiver; and

(B) the reasons for the determination to issue the waiver.

(c) SENSITIVE MILITARY OPERATION DEFINED.—The term "sensitive military operation" has the meaning given that term in section 130f(d) of title 10, United States Code.

SEC. 596. REPORT ON GENERAL AND FLAG OFFICER COSTS.

(a) REPORT REQUIRED.—Not later than nine months after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on general and flag officer costs.

(b) ELEMENTS.—The report required under subsection (a) shall include cost estimates for direct and indirect costs associated with general and flag officers generally and for specific positions in accordance with the recommendations of the report of the Office of the Secretary of Defense, Office of Cost Assessment and Program Evaluation titled "Defining General and Flag Officer Costs" dated December 2017, including—

(1) direct compensation for all general and flag officers and for specific general and flag officer positions, using the full cost of manpower model to estimate where possible;

(2) personal money allowances for positions that receive an allowance;

(3) deferred compensation and health care costs for all general and flag officers and for specific general and flag officer positions;

(4) costs associated with providing security details for specific general and flag officer positions that merit continuous security;

(5) costs associated with Government and commercial travel for general and flag officers who qualify for tier one or two travel, including commercial travel costs using defense travel system data;

(6) general flag officer per diems for specific positions, based on average travel per diem costs;

(7) costs for enlisted and officer aide housing for general and flag officers generally and for specific general and flag officer positions, including basic housing assistance costs for staff;

(8) on a case-by-case basis, costs associated with enlisted and officer aide travel, taking into consideration the cost of data collection;

(9) costs associated with additional support staff for general and flag officers and their travel, equipment, and per diem

costs for all general and flag officers and specific general and flag officer positions based on the average numbers per general or flag officer and estimations using the full cost of manpower model;

(10) costs associated with the upkeep and maintenance of official residences not captured by basic housing assistance; and

(11) costs associated with training for general and flag officers generally and specific general and flag officer positions using estimations from the full cost of manpower model.

SEC. 597. STUDY ON ACTIVE SERVICE OBLIGATIONS FOR MEDICAL TRAINING WITH OTHER SERVICE OBLIGATIONS FOR EDUCATION OR TRAINING AND HEALTH PROFESSIONAL RECRUITING.

(a) REVIEW.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall submit to the Committees on Armed Services of the Senate and House of Representatives a briefing and report on the effects of consecutive service on active duty service obligations for medical training as they relate to other service obligations for education or training.

(b) MATTERS INCLUDED.—The briefing and report under subsection (a) shall include the following:

(1) The extent to which consecutive active duty service obligations for medical education and training may affect recruiting and retention of health professionals in the military health system.

(2) The extent to which the military departments and the Department of Defense use incentive pay authority to recruit and retain health professionals.

(3) The extent to which the military departments and the Department of Defense consider geographic location and competition in the civilian health professional marketplace when developing incentive pay and competitive salaries.

(4) A comparison of salaries for—

(A) military physicians and dentists with critical medical and dental skills; and

(B) civilian physicians and dentists with comparable skills.

(5) The extent to which consecutive service obligations may result in unintended consequences relating to—

(A) general medical officers;

(B) residency training;

(C) enrollment at the Uniformed Services University; and

(D) other matters related to consecutive service obligations on medical training.

(6) Any other matter the Comptroller General determines is appropriate.

SEC. 598. CRITERIA FOR INTERMENT AT ARLINGTON NATIONAL CEMETERY.

(a) CRITERIA.—The Secretary of the Army, in consultation with the Secretary of Defense, shall prescribe revised criteria for interment at Arlington National Cemetery that preserve Arlington National Cemetery as an active burial ground "well into the future," as that term is used in the report submitted by the Secretary of the

Army to the Committees on Veterans' Affairs and the Committees on Armed Services of the House of Representatives and the Senate, dated February 14, 2017, and titled "The Future of Arlington National Cemetery: Report on the Cemetery's Interment and Inurnment Capacity 2017".

(b) DEADLINE.—The Secretary of the Army shall establish the criteria under subsection (a) not later than September 30, 2019.

SEC. 599. LIMITATION ON USE OF FUNDS PENDING SUBMITTAL OF REPORT ON ARMY MARKETING AND ADVERTISING PROGRAM.

(a) REPORT REQUIRED.—

(1) IN GENERAL.—The Secretary of the Army shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the recommendations contained in the audit conducted by the Army Audit Agency of the Army's Marketing and Advertising Program concerning contract oversight and return on investment.

(2) CONTENTS.—The report required by paragraph (1) shall address each of the following:

(A) The mitigation and oversight measures implemented to assure improved program return and contract management including the establishment of specific goals to measure long-term effects of investments in marketing efforts.

(B) The establishment of a review process to regularly evaluate the effectiveness and efficiency of marketing efforts including efforts to better support the accessions missions of the Army.

(C) The increase of acquisition and marketing experience within the Army Marketing and Research Group (hereafter in this section referred to as the "AMRG").

(D) A workforce analysis of the AMRG in cooperation with the Office of Personnel Management and industry experts assessing the AMRG organizational structure, staffing, and training, including an assessment of the workplace climate and culture internal to the AMRG.

(E) The establishment of an Army Marketing and Advisory Board comprised of senior Army and marketing and advertising leaders and an assessment of industry and service marketing and advertising best practices, including a plan to incorporate relevant practices.

(F) The status of the implementation of contracting practices recommended by the Army Audit Agency's audit of contracting oversight of the AMRG contained in Audit Report A–2018–0033–MTH.

(b) LIMITATION ON USE OF FUNDS.—Not more than 60 percent of the amounts authorized to be appropriated or otherwise made available in this Act for the AMRG for fiscal year 2019 for advertising and marketing activities may be obligated or expended until the Secretary of the Army submits the report required by subsection (a).

(c) COMPTROLLER GENERAL REVIEW.—Not later than 90 days after the date of the submittal of the report required by subsection (a), the Comptroller General of the United States shall conduct a review of the results and implementation of the recommendations of the Army Audit Agency Audits of the AMRG on contract oversight

and return on investment. Such review shall include an assessment of the effects of the implementation of the recommendations on the AMRG leadership, workforce and business practices, and return on investment.

SEC. 600. PROOF OF PERIOD OF MILITARY SERVICE FOR PURPOSES OF INTEREST RATE LIMITATION UNDER THE SERVICEMEMBERS CIVIL RELIEF ACT.

Section 207(b)(1) of the Servicemembers Civil Relief Act (50 U.S.C. 3937(b)(1)) is amended to read as follows:

"(1) PROOF OF MILITARY SERVICE.—

"(A) IN GENERAL.—Not later than 180 days after the date of a servicemember's termination or release from military service, in order for an obligation or liability of the servicemember to be subject to the interest rate limitation in subsection (a), the servicemember shall provide to the creditor written notice and a copy of—

"(i) the military orders calling the servicemember to military service and any orders further extending military service; or

"(ii) any other appropriate indicator of military service, including a certified letter from a commanding officer.

"(B) INDEPENDENT VERIFICATION BY CREDITOR.—

"(i) IN GENERAL.—A creditor may use, in lieu of notice and documentation under subparagraph (A), information retrieved from the Defense Manpower Data Center through the creditor's normal business reviews of such Center for purposes of obtaining information indicating that the servicemember is on active duty.

"(ii) SAFE HARBOR.—A creditor that uses the information retrieved from the Defense Manpower Data Center under clause (i) with respect to a servicemember has not failed to treat the debt of the servicemember in accordance with subsection (a) if—

"(I) such information indicates that, on the date the creditor retrieves such information, the servicemember is not on active duty; and

"(II) the creditor has not, by the end of the 180-day period under subparagraph (A), received the written notice and documentation required under that subparagraph with respect to the servicemember.".

TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS

Subtitle A—Pay and Allowances

Sec. 601. Repeal of authority for payment of personal money allowances to Navy officers serving in certain positions.
Sec. 602. Eligibility of reserve component members for high-deployment allowance for lengthy or numerous deployments and frequent mobilizations.
Sec. 603. Prohibition on per diem allowance reductions based on the duration of temporary duty assignment or civilian travel.
Sec. 604. Extension of parking expenses allowance to civilian employees at recruiting facilities.

Sec. 605. Eligibility of reserve component members for nonreduction in pay while serving in the uniformed services or National Guard.
Sec. 606. Military Housing Privatization Initiative.

Subtitle B—Bonuses and Special Incentive Pays

Sec. 611. One-year extension of certain expiring bonus and special pay authorities.
Sec. 612. Report on imminent danger pay and hostile fire pay.

Subtitle C—Other Matters

Sec. 621. Extension of certain morale, welfare, and recreation privileges to certain veterans and their caregivers.
Sec. 622. Technical corrections in calculation and publication of special survivor indemnity allowance cost of living adjustments.
Sec. 623. Authority to award damaged personal protective equipment to members separating from the Armed Forces and veterans as mementos of military service.
Sec. 624. Space-available travel on Department of Defense aircraft for veterans with service-connected disabilities rated as total.
Sec. 625. Mandatory increase in insurance coverage under Servicemembers' Group Life Insurance for members deployed to combat theaters of operation.
Sec. 626. Access to military installations for certain surviving spouses and other next of kin of members of the Armed Forces who die while on active duty or certain reserve duty.
Sec. 627. Study and report on development of a single defense resale system.

Subtitle A—Pay and Allowances

SEC. 601. REPEAL OF AUTHORITY FOR PAYMENT OF PERSONAL MONEY ALLOWANCES TO NAVY OFFICERS SERVING IN CERTAIN POSITIONS.

(a) REPEAL.—Section 414 of title 37, United States Code, is amended—

(1) by striking subsection (b); and

(2) by redesignating subsection (c) as subsection (b).

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on December 31, 2018, and shall apply with respect to personal money allowances payable under section 414 of title 37, United States Code, for years beginning after that date.

SEC. 602. ELIGIBILITY OF RESERVE COMPONENT MEMBERS FOR HIGH-DEPLOYMENT ALLOWANCE FOR LENGTHY OR NUMEROUS DEPLOYMENTS AND FREQUENT MOBILIZATIONS.

Section 436(a)(2)(C)(ii) of title 37, United States Code, is amended by inserting "section 12304b of title 10 or" after "under" the first place it appears.

SEC. 603. PROHIBITION ON PER DIEM ALLOWANCE REDUCTIONS BASED ON THE DURATION OF TEMPORARY DUTY ASSIGNMENT OR CIVILIAN TRAVEL.

(a) MEMBERS.—Section 474(d)(3) of title 37, United States Code, is amended by adding at the end the following new sentence: "The Secretary of a military department shall not alter the amount of the per diem allowance, or the maximum amount of reimbursement, for a locality based on the duration of the temporary duty assignment in the locality of a member of the armed forces under the jurisdiction of the Secretary.".

(b) CIVILIAN EMPLOYEES.—Section 5702(a)(2) of title 5, United States Code, is amended by adding at the end the following new sentence: "The Secretary of Defense shall not alter the amount of the per diem allowance, or the maximum amount of reimbursement, for a locality based on the duration of the travel in the locality of an employee of the Department.".

(c) REPEALS.—

(1) EXISTING POLICY AND REGULATIONS.—The policy, and any regulations issued pursuant to such policy, implemented by the Secretary of Defense on November 1, 2014, with respect to reductions in per diem allowances based on duration of temporary duty assignment or civilian travel shall have no force or effect.

(2) ATTEMPTED STATUTORY FIX.—Section 672 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 37 U.S.C. 474 note; 130 Stat. 2178) is repealed.

SEC. 604. EXTENSION OF PARKING EXPENSES ALLOWANCE TO CIVILIAN EMPLOYEES AT RECRUITING FACILITIES.

Section 481i(b)(1) of title 37, United States Code, is amended by striking "as a recruiter for any" and inserting "at a recruiting facility".

SEC. 605. ELIGIBILITY OF RESERVE COMPONENT MEMBERS FOR NONREDUCTION IN PAY WHILE SERVING IN THE UNIFORMED SERVICES OR NATIONAL GUARD.

Section 5538(a) of title 5, United States Code, is amended in the matter preceding paragraph (1) by inserting "section 12304b of title 10 or" after "under".

SEC. 606. MILITARY HOUSING PRIVATIZATION INITIATIVE.

(a) PAYMENT AUTHORITY.—Each month beginning on the first month after the date of the enactment of this Act, the Secretary shall pay a lessor of covered housing 5 percent of the amount calculated under section 403(b)(3)(A)(i) of title 37, United States Code, for the area in which the covered housing exists. Any such payment shall be in addition to any other payment made by the Secretary to that lessor.

(b) PLAN FOR MHPI HOUSING.—Not later than December 1, 2018, the Secretary shall submit to the congressional defense committees a long-range plan to develop measures to consistently address the future sustainment, recapitalization, and financial condition of MHPI housing. The plan shall include—

(1) efforts to mitigate the losses incurred by MHPI housing projects because of the reductions to BAH under section 603 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92; 37 U.S.C. 403(b)(3)(B)); and

(2) a full assessment of the effects of such reductions (in relation to calculations of market rates for rent and utilities) on the financial condition of MHPI housing.

(c) REPORTING.—The Secretary shall direct the Assistant Secretary of Defense for Energy, Installations, and Environment to take the following steps regarding reports under section 2884(c) of title 10, United States Code:

(1) Provide additional contextual information on MHPI housing to identify any differences in the calculation of debt coverage ratios and any effect of such differences on their comparability.

(2) Immediately resume issuing such reports on the financial condition of MHPI housing.

(3) Revise Department of Defense guidance on MHPI housing—

(A) to ensure that relevant financial data (such as debt coverage ratios) in such reports are consistent and comparable in terms of the time periods of the data collected;

(B) to include a requirement that the secretary of each military department includes measures of future sustainment into each assessments of MHPI housing projects; and

(C) to require the secretary of each military department to define risk tolerance regarding the future sustainability of MHPI housing projects.

(4) Report financial information on future sustainment of each MHPI housing project in such reports.

(5) Provide Department of Defense guidance to the secretaries of the military departments to—

(A) assess the significance of the specific risks to individual MHPI housing projects from the reduction in BAH; and

(B) identify methods to mitigate such risks based on their significance.

(6) Not later than December 1, 2018, finalize Department of Defense guidance that clearly defines—

(A) the circumstances in which the military departments shall provide notification of housing project changes to the congressional defense committees; and

(B) which types of such changes require prior notification to or prior approval from the congressional defense committees.

(d) DEFINITIONS.—In this section:

(1) The term "BAH" means the basic allowance for housing under section 403 of title 37, United States Code.

(2) The term "covered housing" means a unit of MHPI housing that is leased to a member of a uniformed service who resides in such unit.

(3) The term "MHPI housing" means housing acquired or constructed under the alternative authority of subchapter IV of chapter 169 of title 10, United States Code (known as the Military Housing Privatization Initiative) on or before September 30, 2014.

Subtitle B—Bonuses and Special Incentive Pays

SEC. 611. ONE-YEAR EXTENSION OF CERTAIN EXPIRING BONUS AND SPECIAL PAY AUTHORITIES.

(a) AUTHORITIES RELATING TO RESERVE FORCES.—Section 910(g) of title 37, United States Code, relating to income replacement payments for reserve component members experiencing extended and frequent mobilization for active duty service, is amended by striking "December 31, 2018" and inserting "December 31, 2019".

(b) TITLE 10 AUTHORITIES RELATING TO HEALTH CARE PROFESSIONALS.—The following sections of title 10, United States Code, are amended by striking "December 31, 2018" and inserting "December 31, 2019":

(1) Section 2130a(a)(1), relating to nurse officer candidate accession program.

(2) Section 16302(d), relating to repayment of education loans for certain health professionals who serve in the Selected Reserve.

(c) AUTHORITIES RELATING TO NUCLEAR OFFICERS.—Section 333(i) of title 37, United States Code, is amended by striking "December 31, 2018" and inserting "December 31, 2019".

(d) AUTHORITIES RELATING TO TITLE 37 CONSOLIDATED SPECIAL PAY, INCENTIVE PAY, AND BONUS AUTHORITIES.—The following sections of title 37, United States Code, are amended by striking "December 31, 2018" and inserting "December 31, 2019":

(1) Section 331(h), relating to general bonus authority for enlisted members.

(2) Section 332(g), relating to general bonus authority for officers.

(3) Section 334(i), relating to special aviation incentive pay and bonus authorities for officers.

(4) Section 335(k), relating to special bonus and incentive pay authorities for officers in health professions.

(5) Section 336(g), relating to contracting bonus for cadets and midshipmen enrolled in the Senior Reserve Officers' Training Corps.

(6) Section 351(h), relating to hazardous duty pay.

(7) Section 352(g), relating to assignment pay or special duty pay.

(8) Section 353(i), relating to skill incentive pay or proficiency bonus.

(9) Section 355(h), relating to retention incentives for members qualified in critical military skills or assigned to high priority units.

(e) AUTHORITY TO PROVIDE TEMPORARY INCREASE IN RATES OF BASIC ALLOWANCE FOR HOUSING.—Section 403(b)(7)(E) of title 37, United States Code, is amended by striking "December 31, 2018" and inserting "December 31, 2019".

SEC. 612. REPORT ON IMMINENT DANGER PAY AND HOSTILE FIRE PAY.

(a) REPORT REQUIRED.—Not later than March 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report examining the current processes for awarding imminent danger pay and hostile fire pay to members of the Armed Forces.

(b) ELEMENTS.—This report under this section shall include the following:

(1) An analysis of difficulties in implementing the current system.

(2) An explanation of how geographic regions are selected to be eligible for such pay and the criteria used to define these regions.

(3) An examination of whether the current geographic model is the most appropriate way to award such pay, including the following:

(A) A discussion of whether the current model most accurately reflects the realities of modern warfare and is responsive enough to the needs of members.

(B) Whether the Secretary believes it would be appropriate to tie such pay to specific authorizations for deploy-

ments (including deployments of special operations forces) in addition to geographic criteria.

(C) A description of any change the Secretary would consider to update such pay to reflect the current operational environment.

(D) How the Secretary would implement each change under subparagraph (C).

(E) Recommendations of the Secretary for related regulations or legislative action.

Subtitle C—Other Matters

SEC. 621. EXTENSION OF CERTAIN MORALE, WELFARE, AND RECREATION PRIVILEGES TO CERTAIN VETERANS AND THEIR CAREGIVERS.

(a) SHORT TITLE.—This section may be cited as the "Purple Heart and Disabled Veterans Equal Access Act of 2018".

(b) COMMISSARY STORES AND MWR FACILITIES PRIVILEGES FOR CERTAIN VETERANS AND VETERAN CAREGIVERS.—

(1) EXTENSION OF PRIVILEGES.—Chapter 54 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 1065. Use of commissary stores and MWR facilities: certain veterans and caregivers for veterans

"(a) ELIGIBILITY OF VETERANS AWARDED THE PURPLE HEART.—A veteran who was awarded the Purple Heart shall be permitted to use commissary stores and MWR facilities on the same basis as a member of the armed forces entitled to retired or retainer pay.

"(b) ELIGIBILITY OF VETERANS WHO ARE MEDAL OF HONOR RECIPIENTS.—A veteran who is a Medal of Honor recipient shall be permitted to use commissary stores and MWR facilities on the same basis as a member of the armed forces entitled to retired or retainer pay.

"(c) ELIGIBILITY OF VETERANS WHO ARE FORMER PRISONERS OF WAR.—A veteran who is a former prisoner of war shall be permitted to use commissary stores and MWR facilities on the same basis as a member of the armed forces entitled to retired or retainer pay.

"(d) ELIGIBILITY OF VETERANS WITH SERVICE-CONNECTED DISABILITIES.—A veteran with a service-connected disability shall be permitted to use commissary stores and MWR facilities on the same basis as a member of the armed forces entitled to retired or retainer pay.

"(e) ELIGIBILITY OF CAREGIVERS FOR VETERANS.—A caregiver or family caregiver shall be permitted to use commissary stores and MWR facilities on the same basis as a member of the armed forces entitled to retired or retainer pay.

"(f) USER FEE AUTHORITY.—(1) The Secretary of Defense shall prescribe regulations that impose a user fee on individuals who are eligible solely under this section to purchase merchandise at a commissary store or MWR retail facility.

"(2) The Secretary shall set the user fee under this subsection at a rate that the Secretary determines will offset any increase in expenses arising from this section borne by the Department of the Treasury on behalf of commissary stores associated with the use of

credit or debit cards for customer purchases, including expenses related to card network use and related transaction processing fees.

"(3) The Secretary shall deposit funds collected pursuant to a user fee under this subsection in the General Fund of the Treasury.

"(4) Any fee under this subsection is in addition to the uniform surcharge under section 2484(d) of this title.

"(g) DEFINITIONS.—In this section:

"(1) The term 'MWR facilities' includes—

"(A) MWR retail facilities, as that term is defined in section 1063(e) of this title; and

"(B) military lodging operated by the Department of Defense for the morale, welfare, and recreation of members of the armed forces.

"(2) The term 'Medal of Honor recipient' has the meaning given that term in section 1074h(c) of this title.

"(3) The terms 'veteran', 'former prisoner of war', and 'service-connected' have the meanings given those terms in section 101 of title 38.

"(4) The terms 'caregiver' and 'family caregiver' have the meanings given those terms in section in section 1720G(d) of title 38.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 54 of title 10, United States Code, is amended by adding at the end the following new item:

"1065. Use of commissary stores and MWR facilities: certain veterans and caregivers for veterans.".

(3) EFFECTIVE DATE.—Section 1065 of title 10, United States Code, as added by paragraph (1), shall take effect on January 1, 2020.

(4) BRIEFING REQUIRED.—Not later than October 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and House of Representatives a briefing on the plan of the Secretary to implement section 1065 of title 10, United States Code, as added by paragraph (1).

SEC. 622. TECHNICAL CORRECTIONS IN CALCULATION AND PUBLICATION OF SPECIAL SURVIVOR INDEMNITY ALLOWANCE COST OF LIVING ADJUSTMENTS.

(a) MONTHS FOR WHICH ADJUSTMENT APPLICABLE.—Paragraph (2) of section 1450(m) of title 10, United States Code, is amended—

(1) in subparagraph (I), by striking "December" and inserting "November"; and

(2) in subparagraph (J), by striking "for months during any calendar year after 2018" and inserting "for months after November 2018".

(b) COST OF LIVING ADJUSTMENT.—Paragraph (6) of such section is amended—

(1) in the paragraph heading, by striking "AFTER 2018" and inserting "AFTER NOVEMBER 2018"; and

(2) by striking subparagraphs (A) and (B) and inserting the following new subparagraphs:

"(A) IN GENERAL.—Whenever retired pay is increased for a month under section 1401a of this title (or any other provision of law), the amount of the allowance payable under paragraph (1) for that month shall also be increased.

"(B) AMOUNT OF INCREASE.—With respect to an eligible survivor of a member of the uniformed services, the increase for a month shall be—

"(i) the amount payable pursuant to paragraph (2) for months during the preceding 12-month period; plus

"(ii) an amount equal to a percentage of the amount determined pursuant to clause (i), which percentage is the percentage by which the retired pay of the member would have increased for the month, as described in subparagraph (A), if the member was alive (and otherwise entitled to such pay).

"(C) ROUNDING DOWN.—The monthly amount of an allowance payable under this subsection, if not a multiple of $1, shall be rounded to the next lower multiple of $1.

"(D) PUBLIC NOTICE ON AMOUNT OF ALLOWANCE PAYABLE.—Whenever an increase in the amount of the allowance payable under paragraph (1) is made pursuant to this paragraph, the Secretary of Defense shall publish the amount of the allowance so payable by reason of such increase, including the months for which payable.".

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on December 1, 2018.

SEC. 623. AUTHORITY TO AWARD DAMAGED PERSONAL PROTECTIVE EQUIPMENT TO MEMBERS SEPARATING FROM THE ARMED FORCES AND VETERANS AS MEMENTOS OF MILITARY SERVICE.

(a) IN GENERAL.—Chapter 152 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2568a. Damaged personal protective equipment: award to members separating from the Armed Forces and veterans

"(a) IN GENERAL.—The Secretary of a military department, acting through a disposition service distribution center of the Defense Logistics Agency, may award to a covered individual the demilitarized PPE of that covered individual. The award of PPE under this section shall be without cost to the covered individual.

"(b) DEFINITIONS.—In this section:

"(1) The term 'covered individual' means—

"(A) a member of the armed forces—

"(i) under the jurisdiction of the Secretary concerned; and

"(ii) who is separating from the armed forces; or

"(B) a veteran who was under the jurisdiction of the Secretary concerned while a member of the armed forces.

"(2) The term 'PPE' means personal protective equipment that was damaged in combat or otherwise—

"(A) during the deployment of a covered individual; and

"(B) after September 11, 2001.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 152 of such title is amended by adding at the end the following new item:

"2568a. Damaged personal protective equipment: award to members separating from the armed forces and veterans.".

SEC. 624. SPACE-AVAILABLE TRAVEL ON DEPARTMENT OF DEFENSE AIRCRAFT FOR VETERANS WITH SERVICE-CONNECTED DISABILITIES RATED AS TOTAL.

(a) IN GENERAL.—Subsection (c) of section 2641b of title 10, United States Code, is amended—

(1) by redesignating paragraphs (4) and (5) as paragraphs (5) and (6), respectively; and

(2) by inserting after paragraph (3) the following new paragraph (4):

"(4) Subject to subsection (f), veterans with a permanent service-connected disability rated as total.".

(b) CONDITIONS AND LIMITATIONS.—Such section is further amended—

(1) by redesignating subsection (f) as subsection (g); and

(2) by inserting after subsection (e) the following new subsection (f):

"(f) VETERANS WITH SERVICE-CONNECTED DISABILITIES RATED AS TOTAL.—(1) Travel may not be provided under this section to a veteran eligible for travel pursuant to subsection (c)(4) in priority over any member eligible for travel under subsection (c)(1) or any dependent of such a member eligible for travel under this section.

"(2) The authority in subsection (c)(4) may not be construed as affecting or in any way imposing on the Department of Defense, any armed force, or any commercial company with which they contract an obligation or expectation that they will retrofit or alter, in any way, military aircraft or commercial aircraft, or related equipment or facilities, used or leased by the Department or such armed force to accommodate passengers provided travel under such authority on account of disability.

"(3) The authority in subsection (c)(4) may not be construed as preempting the authority of a flight commander to determine who boards the aircraft and any other matters in connection with safe operation of the aircraft.".

SEC. 625. MANDATORY INCREASE IN INSURANCE COVERAGE UNDER SERVICEMEMBERS' GROUP LIFE INSURANCE FOR MEMBERS DEPLOYED TO COMBAT THEATERS OF OPERATION.

Section 1967(a)(3) of title 38, United States Code, is amended—

(1) in subparagraph (A), by striking "subparagraphs (B) and (C)" and inserting "subparagraphs (B), (C), and (D)"; and

(2) by adding at the end the following new subparagraph:

"(D) In the case of a member who elects under paragraph (2)(A) not to be insured under this section, or who elects under subparagraph (B) to be insured for an amount less than the maximum amount provided under subparagraph (A), and who is deployed to a combat theater of operations the member—

"(i) shall be insured under this subchapter for the maximum amount provided under subparagraph (A) for the period of such deployment; and

"(ii) upon the end of such deployment—

"(I) shall be insured in the amount elected by the member under subparagraph (B); or

"(II) shall not be insured, if so elected under paragraph (2)(A).".

SEC. 626. ACCESS TO MILITARY INSTALLATIONS FOR CERTAIN SURVIVING SPOUSES AND OTHER NEXT OF KIN OF MEMBERS OF THE ARMED FORCES WHO DIE WHILE ON ACTIVE DUTY OR CERTAIN RESERVE DUTY.

(a) PROCEDURES FOR ACCESS OF SURVIVING SPOUSES REQUIRED.—The Secretary of Defense, acting jointly with the Secretary of Homeland Security, shall establish procedures by which an eligible surviving spouse may obtain unescorted access, as appropriate, to military installations in order to receive benefits to which the eligible surviving spouse may be entitled by law or policy.

(b) PROCEDURES FOR ACCESS OF NEXT OF KIN AUTHORIZED.—

(1) IN GENERAL.—The Secretary of Defense, acting jointly with the Secretary of Homeland Security, may establish procedures by which the next of kin of a covered member of the Armed Forces, in addition to an eligible surviving spouse, may obtain access to military installations for such purposes and under such conditions as the Secretaries jointly consider appropriate.

(2) NEXT OF KIN.—If the Secretaries establish procedures pursuant to paragraph (1), the Secretaries shall jointly specify the individuals who shall constitute next of kin for purposes of such procedures.

(c) CONSIDERATIONS.—Any procedures established under this section shall—

(1) be applied consistently across the Department of Defense and the Department of Homeland Security, including all components of the Departments;

(2) minimize any administrative burden on a surviving spouse or dependent child, including through the elimination of any requirement for a surviving spouse to apply as a personal agent for continued access to military installations in accompaniment of a dependent child;

(3) take into account measures required to ensure the security of military installations, including purpose and eligibility for access and renewal periodicity; and

(4) take into account such other factors as the Secretary of Defense or the Secretary of Homeland Security considers appropriate.

(d) DEADLINE.—The procedures required by subsection (a) shall be established by the date that is not later than one year after the date of the enactment of this Act.

(e) DEFINITIONS.—In this section:

(1) The term "eligible surviving spouse" means an individual who is a surviving spouse of a covered member of the Armed Forces, without regard to whether the individual remarries after the death of the covered member of the Armed Forces.

(2) The term "covered member of the Armed Forces" means a member of the Armed Forces who dies while serving—

(A) on active duty; or

(B) on such reserve duty as the Secretary of Defense and the Secretary of Homeland Security may jointly specify for purposes of this section.

SEC. 627. STUDY AND REPORT ON DEVELOPMENT OF A SINGLE DEFENSE RESALE SYSTEM.

(a) STUDY.—The Secretary of Defense shall conduct a study to determine the feasibility of consolidating the military resale entities

into a single defense resale system. Such study shall include the following:

(1) A financial assessment of consolidation of the military resale entities.

(2) A business case analysis of consolidation of the military resale entities.

(3) Organizational, operational, and business model integration plans for consolidation of the military resale entities.

(4) Determinations of which back-office processes and systems associated with finance and payment processing technologies the Secretary could convert to common technologies.

(b) REPORT.—Not later than January 1, 2019, the Secretary shall submit a report to the congressional defense committees regarding the study under subsection (a). That report shall contain the following:

(1) Details of the internal and external organizational structures of a consolidated defense resale system.

(2) Recommendations of the Secretaries of each of the military departments regarding the plan to consolidate the military resale entities.

(3) The costs and associated plan for the merger of technologies or implementation of new technology from a third-party provider to standardize financial management and accounting processes of a consolidated defense resale system.

(4) Best practices to maximize reductions in costs associated with back-office retail payment processing for a consolidated defense resale system.

(5) A timeline for converting the Defense Commissary Agency into a non-appropriated fund instrumentality under section 2484(j) of title 10, United States Code.

(6) A determination whether the business case analysis supports consolidation of the military resale entities.

(7) Recommendations of the Secretary for legislation related to consolidation of the military resale entities.

(8) Other elements the Secretary determines are necessary for a successful evaluation of a consolidation of the military resale entities.

(c) PROHIBITION ON USE OF FUNDS.—None of the amounts authorized to be appropriated or otherwise made available in this Act may be obligated or expended for the purpose of implementing consolidation of the military resale entities until October 1, 2019.

(d) MILITARY RESALE ENTITIES DEFINED.—In this section the term "military resale entities" means—

(1) the Defense Commissary Agency;

(2) the Army and Air Force Exchange Service;

(3) the Navy Exchange; and

(4) the Marine Corps Exchange.

TITLE VII—HEALTH CARE PROVISIONS

Subtitle A—TRICARE and Other Health Care Benefits

Sec. 701. Cessation of requirement for mental health assessment of members after redeployment from a contingency operation upon discharge or release from the Armed Forces.

Sec. 702. Pilot program on treatment of members of the Armed Forces for post-traumatic stress disorder related to military sexual trauma.

Subtitle B—Health Care Administration

Sec. 711. Improvement of administration of the Defense Health Agency and military medical treatment facilities.
Sec. 712. Organizational framework of the military healthcare system to support the medical requirements of the combatant commands.
Sec. 713. Administration of TRICARE dental plans through the Federal Employees Dental and Vision Insurance Program.
Sec. 714. Streamlining of TRICARE Prime beneficiary referral process.
Sec. 715. Sharing of information with State prescription drug monitoring programs.
Sec. 716. Pilot program on opioid management in the military health system.
Sec. 717. Wounded warrior policy review.
Sec. 718. Medical simulation technology and live tissue training within the Department of Defense.
Sec. 719. Improvements to trauma center partnerships.
Sec. 720. Improvement to notification to Congress of hospitalization of combat-wounded members of the Armed Forces.

Subtitle C—Reports and Other Matters

Sec. 731. Extension of authority for Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund.
Sec. 732. Joint forces medical capabilities development and standardization.
Sec. 733. Inclusion of gambling disorder in health assessments of members of the Armed Forces and related research efforts.
Sec. 734. Report on requirement for certain former members of the Armed Forces to enroll in Medicare Part B to be eligible for TRICARE for Life.
Sec. 735. Pilot program on earning by special operations forces medics of credit toward a physician assistant degree.
Sec. 736. Strategic medical research plan.
Sec. 737. Comptroller General of the United States review of Defense Health Agency oversight of transition between managed care support contractors for the TRICARE program.
Sec. 738. Comptroller General study on availability of long-term care options for veterans from Department of Veterans Affairs.
Sec. 739. Increase in number of appointed members of the Henry M. Jackson Foundation for the Advancement of Military Medicine.

Subtitle A—TRICARE and Other Health Care Benefits

SEC. 701. CESSATION OF REQUIREMENT FOR MENTAL HEALTH ASSESSMENT OF MEMBERS AFTER REDEPLOYMENT FROM A CONTINGENCY OPERATION UPON DISCHARGE OR RELEASE FROM THE ARMED FORCES.

Section 1074m of title 10, United States Code, is amended—

(1) in subsection (a)(1)(C), by striking "Once" and inserting "Subject to subsection (d), once"; and

(2) in subsection (d), by striking "subsection (a)(1)(D)" and inserting "subparagraph (C) or (D) of subsection (a)(1)".

SEC. 702. PILOT PROGRAM ON TREATMENT OF MEMBERS OF THE ARMED FORCES FOR POST-TRAUMATIC STRESS DISORDER RELATED TO MILITARY SEXUAL TRAUMA.

(a) IN GENERAL.—The Secretary of Defense may carry out a pilot program to assess the feasibility and advisability of using intensive outpatient programs to treat members of the Armed Forces suffering from post-traumatic stress disorder resulting from military sexual trauma, including treatment for substance abuse, depression, and other issues related to such conditions.

(b) DISCHARGE THROUGH PARTNERSHIPS.—The pilot program authorized by subsection (a) shall be carried out through partnerships with public, private, and non-profit health care organizations, universities, and institutions that—

(1) provide health care to members of the Armed Forces;

(2) provide evidence-based treatment for psychological and neurological conditions that are common among members of the

Armed Forces, including post-traumatic stress disorder, traumatic brain injury, substance abuse, and depression;

(3) provide health care, support, and other benefits to family members of members of the Armed Forces; and

(4) provide health care under the TRICARE program (as that term is defined in section 1072 of title 10, United States Code).

(c) PROGRAM ACTIVITIES.—Each organization or institution that participates in a partnership under the pilot program authorized by subsection (a) shall—

(1) carry out intensive outpatient programs of short duration to treat members of the Armed Forces suffering from post-traumatic stress disorder resulting from military sexual trauma, including treatment for substance abuse, depression, and other issues related to such conditions;

(2) use evidence-based and evidence-informed treatment strategies in carrying out such programs;

(3) share clinical and outreach best practices with other organizations and institutions participating in the pilot program; and

(4) annually assess outcomes for members of the Armed Forces individually and among the organizations and institutions participating in the pilot program with respect to the treatment of conditions described in paragraph (1).

(d) EVALUATION METRICS.—Before commencement of the pilot program, the Secretary shall establish metrics to be used to evaluate the effectiveness of the pilot program and the activities under the pilot program.

(e) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program authorized by subsection (a). The report shall include a description of the pilot program and such other matters on the pilot program as the Secretary considers appropriate.

(2) FINAL REPORT.—Not later than 180 days after the cessation of the pilot program under subsection (f), the Secretary shall submit to the committees of Congress referred to in paragraph (1) a report on the pilot program. The report shall include the following:

(A) A description of the pilot program, including the partnerships under the pilot program as described in subsection (b).

(B) An assessment of the effectiveness of the pilot program and the activities under the pilot program.

(C) Such recommendations for legislative or administrative action as the Secretary considers appropriate in light of the pilot program, including recommendations for extension or making permanent the authority for the pilot program.

(f) TERMINATION.—The Secretary may not carry out the pilot program authorized by subsection (a) after the date that is three years after the date of the enactment of this Act.

Subtitle B—Health Care Administration

SEC. 711. IMPROVEMENT OF ADMINISTRATION OF THE DEFENSE HEALTH AGENCY AND MILITARY MEDICAL TREATMENT FACILITIES.

(a) ADMINISTRATION OF FACILITIES BY DIRECTOR OF DEFENSE HEALTH AGENCY.—

(1) IN GENERAL.—Subsection (a) of section 1073c of title 10, United States Code, is amended—

(A) in paragraph (1), by striking "Beginning October 1, 2018," and inserting "In accordance with paragraph (4), by not later than September 30, 2021,";

(B) by redesignating paragraphs (2) and (3) as paragraphs (3) and (5), respectively;

(C) by inserting after paragraph (1) the following new paragraph (2):

"(2) In addition to the responsibilities set forth in paragraph (1), the Director of the Defense Health Agency shall, commencing when the Director begins to exercise responsibilities under that paragraph, have the authority—

"(A) to direct, control, and serve as the primary rater of the performance of commanders or directors of military medical treatment facilities;

"(B) to direct and control any intermediary organizations between the Defense Health Agency and military medical treatment facilities;

"(C) to determine the scope of medical care provided at each military medical treatment facility to meet the military personnel readiness requirements of the senior military operational commander of the military installation;

"(D) to determine total workforce requirements at each military medical treatment facility;

"(E) to direct joint manning at military medical treatment facilities and intermediary organizations;

"(F) to address personnel staffing shortages at military medical treatment facilities; and

"(G) to select among service nominations for commanders or directors of military medical treatment facilities.";

(D) by inserting after paragraph (3), as redesignated by subparagraph (B), the following new paragraph (4):

"(4) The Secretary of Defense shall establish a timeline to ensure that each Secretary of a military department transitions the administration of military medical treatment facilities from such Secretary to the Director of the Defense Health Agency pursuant to paragraph (1) by the date specified in such paragraph."; and

(E) in paragraph (5), as so redesignated, by striking "subsection (a)" and inserting "paragraphs (1) and (2)".

(2) COMBAT SUPPORT RESPONSIBILITIES.—Subsection (d)(2) of such section is amended by adding at the end the following new subparagraph:

"(C) Ensuring that the Defense Health Agency meets the military medical readiness requirements of the senior military operational commanders of the military installations.".

(3) LIMITATION ON CLOSURES AND DOWNSIZINGS IN CONNECTION WITH TRANSITION OF ADMINISTRATION.—In carrying out the transition of responsibility for the administration of mili-

tary medical treatment facilities pursuant to subsection (a) of section 1073c of title 10, United States Code (as amended by paragraph (1)), and in addition to any other applicable requirements under section 1073d of that title, the Secretary of Defense may not close any military medical treatment facility, or downsize any medical center, hospital, or ambulatory care center (as specified in section 1073d of that title), that addresses the medical needs of beneficiaries and the community in the vicinity of such facility, center, hospital, or care center until the Secretary submits to the congressional defense committees a report setting forth the following:

(A) A description of the methodology and criteria to be used by the Secretary to make decisions to close any military medical treatment facility, or to downsize any medical center, hospital, or ambulatory care center, in connection with the transition, including input from the military department concerned.

(B) A requirement that no closure of a military medical treatment facility, or downsizing of a medical center, hospital, or ambulatory care center, in connection with the transition will occur until 90 days after the date on which Secretary submits to the Committees on Armed Services of the Senate and the House of Representatives a report on the closure or downsizing.

(b) ADDITIONAL DEFENSE HEALTH AGENCY ORGANIZATIONS.—

(1) IN GENERAL.—Section 1073c of such title is further amended—

(A) by redesignating subsection (e) as subsection (f); and

(B) by inserting after subsection (d) the following new subsection (e):

"(e) ADDITIONAL DHA ORGANIZATIONS.—Not later than September 30, 2022, the Secretary of Defense shall, acting though the Director of the Defense Health Agency, establish within the Defense Health Agency the following:

"(1) A subordinate organization, to be called the Defense Health Agency Research and Development—

"(A) led, at the election of the Director, by a director or commander (to be called the Director or Commander of Defense Health Agency Research and Development);

"(B) comprised of the Army Medical Research and Materiel Command and such other medical research organizations and activities of the armed forces as the Secretary considers appropriate; and

"(C) responsible for coordinating funding for Defense Health Program Research, Development, Test, and Evaluation, the Congressionally Directed Medical Research Program, and related Department of Defense medical research.

"(2) A subordinate organization, to be called the Defense Health Agency Public Health—

"(A) led, at the election of the Director, by a director or commander (to be called the Director or Commander of Defense Health Agency Public Health); and

"(B) comprised of the Army Public Health Command, the Navy–Marine Corps Public Health Command, Air Force

public health programs, and any other related defense health activities that the Secretary considers appropriate, including overseas laboratories focused on preventive medicine, environmental health, and similar matters.".

(2) REPORT ON FEASIBILITY OF FURTHER ADDITIONAL ORGANIZATION IN DHA.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on a study, conducted by the Secretary for purposes of the report, of the feasibility of establishing with the Defense Health Agency a subordinate organization, to be called the Defense Health Agency Education and Training, to be led by the President of the Uniformed Services University of the Health Sciences and to be comprised of the current Medical Education and Training Campus, the Uniformed Services University of the Health Sciences, the medical education and training commands of the Armed Forces, and such other elements, facilities, and commands of the Department of Defense as the Secretary considers appropriate.

(c) REPORT ON FEASIBILITY OF SUPERSEDING ORGANIZATION FOR DHA.—

(1) REPORT REQUIRED.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on a study, conducted by the Secretary for purposes of the report, of the feasibility of establishing a command, to be called the Defense Health Command, as a superseding organization to the Defense Health Agency.

(2) ELEMENTS.—If the Secretary determines in the report under paragraph (1) that a command as a superseding organization to the Defense Health Agency is feasible, the report shall include the following:

(A) A description of the required responsibilities of the commander of the command.

(B) A description of any current organizations that support the Defense Health Agency to be included in the command.

(C) A description of any authorities required for the leadership and direction of the command.

(D) Any other matters in the connection with the establishment, operations, and activities of the command that the Secretary considers appropriate.

SEC. 712. ORGANIZATIONAL FRAMEWORK OF THE MILITARY HEALTHCARE SYSTEM TO SUPPORT THE MEDICAL REQUIREMENTS OF THE COMBATANT COMMANDS.

(a) ORGANIZATIONAL FRAMEWORK REQUIRED.—

(1) IN GENERAL.—The Secretary of Defense shall, acting through the Director of the Defense Health Agency, implement an organizational framework for the military healthcare system that most effectively implements chapter 55 of title 10, United States Code, in a manner that maximizes interoperability and fully integrates medical capabilities of the Armed Forces in order to enhance joint military medical operations in support of requirements of the combatant commands.

(2) COMPLIANCE WITH CERTAIN REQUIREMENTS.—The organizational framework, as implemented, shall comply with all requirements of section 1073c of title 10, United States Code, except for the implementation date specified in subsection (a) of such section.

(b) DEFENSE HEALTH REGIONS IN CONUS.—The organizational framework required by subsection (a) shall meet the requirements as follows:

(1) DEFENSE HEALTH REGIONS.—There shall be not more than two defense health regions in the continental United States.

(2) LEADERS.—Each region under paragraph (1) shall be led by a commander or director who is a member of the Armed Forces serving in a grade not higher than major general or rear admiral, and who—

(A) shall be selected by the Director of the Defense Health Agency from among members of the Armed Forces recommended by the Secretaries of the military departments for service in such position; and

(B) shall be under the authority, direction, and control of the Director while serving in such position.

(c) DEFENSE HEALTH REGIONS OCONUS.—The organizational framework required by subsection (a) shall provide for the establishment of not more than two defense health regions outside the continental United States in order—

(1) to enhance joint military medical operations in support of the requirements of the combatant commands in such region or regions, with a specific focus on current and future contingency and operational plans;

(2) to ensure the provision of high-quality healthcare services to beneficiaries; and

(3) to improve the interoperability of healthcare delivery systems in the defense health regions (whether under this subsection, subsection (b), or both).

(d) PLANNING AND COORDINATION.—

(1) SUSTAINMENT OF CLINICAL COMPETENCIES AND STAFFING.—The Director of the Defense Health Agency shall—

(A) provide in each defense health region under this section healthcare delivery venues for uniformed medical and dental personnel to obtain operational clinical competencies; and

(B) coordinate with the military departments to ensure that staffing at military medical treatment facilities in each region supports readiness requirements for members of the Armed Forces and military medical personnel.

(2) OVERSIGHT AND ALLOCATION OF RESOURCES.—

(A) IN GENERAL.—The Director shall, consistent with section 193 of title 10, United States Code, coordinate with the Chairman of the Joint Chiefs of Staff, through the Joint Staff Surgeon, to conduct oversight and direct resources to support requirements related to readiness and operational medicine support that are validated by the Joint Staff.

(B) SUPPLY AND DEMAND FOR MEDICAL SERVICES.—Based on operational medical force readiness requirements

of the combatant commands validated by the Joint Staff, the Director shall—

(i) validate supply and demand requirements for medical and dental services at each military medical treatment facility;

(ii) in coordination with the Surgeons General of the Armed Forces, provide currency workload for uniformed medical and dental personnel at each such facility to maintain skills proficiency; and

(iii) if workload is insufficient to meet requirements, identify alternative training and clinical practice sites for uniformed medical and dental personnel, and establish military-civilian training partnerships, to provide such workload.

(e) ADDITIONAL DUTIES OF SURGEONS GENERAL OF THE ARMED FORCES.—

(1) IN GENERAL.—The Surgeons General of the Armed Forces shall have the duties as follows:

(A) To assign uniformed medical and dental personnel of the military department concerned to military medical treatment facilities for training activities specific to such military department and for operational and training missions, during which assignment such personnel shall be under the operational control of the commander or director of the military medical treatment facility concerned, subject to the authority, direction, and control of the Director of the Defense Health Agency.

(B) To ensure the readiness for operational deployment of medical and dental personnel and deployable medical or dental teams or units of the Armed Force or Armed Forces concerned.

(C) To provide logistical support for operational deployment of medical and dental personnel and deployable medical or dental teams or units of the Armed Force or Armed Forces concerned.

(D) To oversee mobilization and demobilization in connection with the operational deployment of medical and dental personnel of the Armed Force or Armed Forces concerned.

(E) To carry out operational medical and dental force development for the military department concerned.

(F) In coordination with the Secretary concerned, to ensure that the operational medical force readiness organizations of the Armed Forces support the medical and dental readiness responsibilities of the Director.

(G) To develop operational medical capabilities required to support the warfighter, and to develop policy relating to such capabilities.

(H) To provide health professionals to serve in leadership positions across the military healthcare system.

(2) MEDICAL FORCE REQUIREMENTS OF THE COMBATANT COMMANDS.—The Surgeon General of each Armed Force shall, on behalf of the Secretary concerned, ensure that the uniformed medical and dental personnel serving in such Armed Force receive training and clinical practice opportunities necessary to

ensure that such personnel are capable of meeting the operational medical force requirements of the combatant commands applicable to such personnel. Such training and practice opportunities shall be provided through programs and activities of the Defense Health Agency and by such other mechanisms as the Secretary of Defense shall designate for purposes of this paragraph.

(3) CONSTRUCTION OF DUTIES.—The duties of a Surgeon General of the Armed Forces under this subsection are in addition to the duties of such Surgeon General under section 3036, 5137, or 8036 of title 10, United States Code, as applicable.

(f) REPORT.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that sets forth the following:

(1) A description of the organizational structure of the office of each Surgeon General of the Armed Forces, and of any subordinate organizations of the Armed Forces that will support the functions and responsibilities of a Surgeon General of the Armed Forces.

(2) The manning documents for staffing in support of the organizational structures described pursuant to paragraph (1), including manning levels before and after such organizational structures are implemented.

(3) Such recommendations for legislative or administrative action as the Secretary considers appropriate in connection with the implementation of such organizational structures and, in particular, to avoid duplication of functions and tasks between the organizations in such organizational structures and the Defense Health Agency.

SEC. 713. ADMINISTRATION OF TRICARE DENTAL PLANS THROUGH THE FEDERAL EMPLOYEES DENTAL AND VISION INSURANCE PROGRAM.

(a) ELIGIBILITY OF ADDITIONAL BENEFICIARIES UNDER FEDERAL EMPLOYEES DENTAL AND VISION INSURANCE PROGRAM.—Section 8951(8) of title 5, United States Code, is amended by striking "1076c" and inserting "1076a or 1076c".

(b) ADMINISTRATION OF TRICARE DENTAL PLANS.—Subsection (b) of section 1076a of title 10, United States Code, is amended to read as follows:

"(b) ADMINISTRATION OF PLANS.—The plans established under this section shall be administered by the Secretary of Defense through an agreement with the Director of the Office of Personnel Management to allow persons described in subsection (a) to enroll in an insurance plan under chapter 89A of title 5, in accordance with terms prescribed by the Secretary, including terms, to the extent practical, as defined by the Director through regulation, consistent with subsection (d) and, to the extent practicable in relation to such chapter 89A, other provisions of this section.".

(c) APPLICABILITY.—The amendments made by this section shall apply with respect to the first contract year for chapter 89A of title 5, United States Code, that begins on or after January 1, 2022.

(d) TRANSITION.—To ensure a successful transition pursuant to the amendments made by this section in the administration of the TRICARE dental plans under section 1076a of title 10, United

States Code, the Secretary of Defense shall ensure that the contractor for such plans provides claims information under such plans to carriers providing dental coverage under chapter 89A of title 5, United States Code, after the transition.

(e) REPORT.—

(1) IN GENERAL.—Not later than January 1, 2020, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the transition in the administration of the TRICARE dental insurance plan for retirees from administration by the Department of Defense as the TRICARE Retiree Dental Plan to administration by the Office of Personnel Management as part of the Federal Employees Dental and Vision Insurance Program.

(2) ELEMENTS.—The report required by paragraph (1) shall include the following:

(A) A description of lessons learned from the transition of the administration of the TRICARE dental insurance plan for retirees from administration by the Department as the TRICARE Retiree Dental Plan to administration by the Office of Personnel Management as part of the Federal Employees Dental and Vision Insurance Program.

(B) An assessment of the effectiveness of the transition.

(C) A timeline for the implementation plan for the transition of the administration of the TRICARE dental plans under section 1076a of title 10, United States Code, to administration as part of the Federal Employees Dental and Vision Insurance Program pursuant to the amendments made by this section.

SEC. 714. STREAMLINING OF TRICARE PRIME BENEFICIARY REFERRAL PROCESS.

(a) IN GENERAL.—The Secretary of Defense shall streamline the process under section 1095f of title 10, United States Code, by which beneficiaries enrolled in TRICARE Prime are referred to the civilian provider network for inpatient or outpatient care under the TRICARE program.

(b) OBJECTIVES.—In carrying out the requirement in subsection (a), the Secretary shall meet the following objectives:

(1) The referral process shall model best industry practices for referrals from primary care managers to specialty care providers.

(2) The process shall limit administrative requirements for enrolled beneficiaries.

(3) Beneficiary preferences for communications relating to appointment referrals using state-of-the-art information technology shall be used to expedite the process.

(4) There shall be effective and efficient processes to determine the availability of appointments at military medical treatment facilities and, when unavailable, to make prompt referrals to network providers under the TRICARE program.

(c) DEADLINE FOR IMPLEMENTATION.—The requirement in subsection (a) shall be implemented for referrals under TRICARE Prime in calendar year 2019.

(d) EVALUATION AND IMPROVEMENT.—After 2019, the Secretary shall—

(1) evaluate the referral process described in subsection (a) not less often than annually; and

(2) make appropriate improvements to the process in light of such evaluations.

(e) DEFINITIONS.—In this section, the terms "TRICARE program" and "TRICARE Prime" have the meaning given such terms in section 1072 of title 10, United States Code.

SEC. 715. SHARING OF INFORMATION WITH STATE PRESCRIPTION DRUG MONITORING PROGRAMS.

(a) IN GENERAL.—Section 1074g of title 10, United States Code, is amended—

(1) by redesignating subsections (g) and (h) as subsections (h) and (i), respectively; and

(2) by inserting after subsection (f) the following new subsection (g):

"(g) SHARING OF INFORMATION WITH STATE PRESCRIPTION DRUG MONITORING PROGRAMS.—(1) The Secretary of Defense shall establish and maintain a program (to be known as the 'Military Health System Prescription Drug Monitoring Program') in accordance with this subsection. The program shall include a special emphasis on drugs provided through facilities of the uniformed services.

"(2) The program shall be—

"(A) comparable to prescription drug monitoring programs operated by States, including such programs approved by the Secretary of Health and Human Services under section 399O of the Public Health Service Act (42 U.S.C. 280g–3); and

"(B) applicable to designated controlled substance prescriptions under the pharmacy benefits program.

"(3)(A) The Secretary shall establish appropriate procedures for the bi-directional sharing of patient-specific information regarding prescriptions for designated controlled substances between the program and State prescription drug monitoring programs.

"(B) The purpose of sharing of information under this paragraph shall be to prevent misuse and diversion of opioid medications and other designated controlled substances.

"(C) Any disclosure of patient-specific information by the Secretary under this paragraph is an authorized disclosure for purposes of the health information privacy regulations promulgated under the Health Insurance Portability and Accountability Act of 1996 (Public Law 104–191).

"(4)(A) Any procedures developed pursuant to paragraph (3)(A) shall include appropriate safeguards, as determined by the Secretary, concerning cyber security of Department of Defense systems and operational security of Department personnel.

"(B) To the extent the Secretary considers appropriate, the program may be treated as comparable to a State program for purposes of bi-directional sharing of controlled substance prescription information.

"(5) For purposes of this subsection, any reference to a program operated by a State includes any program operated by a county, municipality, or other subdivision within that State.".

(b) CONFORMING AMENDMENT.—Section 1079(q) of such title is amended by striking "section 1074g(g)" and inserting "section 1074g(h)".

SEC. 716. PILOT PROGRAM ON OPIOID MANAGEMENT IN THE MILITARY HEALTH SYSTEM.

(a) PILOT PROGRAM.—

(1) IN GENERAL.—Beginning not later than 180 days after the date of the enactment of this Act, the Director of the Defense Health Agency shall implement a comprehensive pilot program to assess the feasability and advisability of mechanisms to minimize early exposure of beneficiaries under the TRICARE program to opioids and to prevent the progression of beneficiaries to misuse or abuse of opioid medications.

(2) OPIOID SAFETY ACROSS CONTINUUM OF CARE.—The pilot program shall include elements to maximize opioid safety across the entire continuum of care consisting of patient, physician or dentist, and pharmacist.

(b) ELEMENTS OF PILOT PROGRAM.—The pilot program shall include the following:

(1) Identification of potential misuse or abuse of opioid medications in pharmacies of military treatment facilities, retail network pharmacies, and the home delivery pharmacy, and the transmission of alerts regarding such potential misuse or abuse of opioids to prescribing physicians and dentists.

(2) Direct engagement with, education for, and management of beneficiaries under the TRICARE program to help such beneficiaries avoid misuse or abuse of opioid medications.

(3) Proactive outreach by specialist pharmacists to beneficiaries under the TRICARE program when identifying potential misuse or abuse of opioid medications.

(4) Monitoring of beneficiaries under the TRICARE program through the use of predictive analytics to identify the potential for opioid abuse and addiction before beneficiaries begin an opioid prescription.

(5) Detection of fraud, waste, and abuse in connection with opioids.

(c) DURATION.—

(1) IN GENERAL.—Except as provided in paragraph (2), the Director shall carry out the pilot program for a period of not more than three years.

(2) EXPANSION.—The Director may carry out the pilot program on a permanent basis if the Director determines that the mechanisms under the pilot program successfully reduce early opioid exposure in beneficiaries under the TRICARE program and prevent the progression of beneficiaries to misuse or abuse of opioid medications.

(d) REPORT.—

(1) IN GENERAL.—Not later than 180 days before completion of the pilot program, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the pilot program.

(2) ELEMENTS.—The report required by paragraph (1) shall include the following:

(A) A description of the pilot program, including outcome measures developed to determine the overall effectiveness of the mechanisms under the pilot program.

(B) A description of the ability of the mechanisms under the pilot program to identify misuse and abuse of

opioid medications among beneficiaries under the TRICARE program in each pharmacy venue of the pharmacy program of the military health system.

(C) A description of the impact of the use of predictive analytics to monitor beneficiaries under the TRICARE program in order to identify the potential for opioid abuse and addiction before beneficiaries begin an opioid prescription.

(D) A description of any reduction in the misuse or abuse of opioid medications among beneficiaries under the TRICARE program as a result of the pilot program.

(e) TRICARE PROGRAM DEFINED.—In this section, the term "TRICARE program" has the meaning given that term in section 1072 of title 10, United States Code.

SEC. 717. WOUNDED WARRIOR POLICY REVIEW.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall review and update policies and procedures relating to the care and management of recovering service members. In conducting such review, the Secretary shall consider best practices—

(1) in the care of recovering service members;

(2) in the administrative management relating to such care;

(3) to carry out applicable provisions of Federal law; and

(4) recommended by the Comptroller General of the United States in the report titled "Army Needs to Improve Oversight of Warrior Transition Units".

(b) SCOPE OF POLICY.—In carrying out subsection (a), the Secretary shall update policies of the Department of Defense with respect to each of the following:

(1) The case management coordination of members of the Armed Forces between the military departments and the military medical treatment facilities administered by the Director of the Defense Health Agency pursuant to section 1073c of title 10, United States Code, including with respect to the coordination of—

(A) appointments;

(B) rehabilitative services;

(C) recuperation in an outpatient status;

(D) contract care provided by a private health care provider outside of a military medical treatment facility;

(E) the disability evaluation system; and

(F) other administrative functions relating to the military department.

(2) The transition of a member of the Armed Forces who is retired under chapter 61 of title 10, United States Code, from receiving treatment furnished by the Secretary of Defense to treatment furnished by the Secretary of Veterans Affairs.

(3) Facility standards related to lodging and accommodations for recovering service members and the family members and non-medical attendants of recovering service members.

(c) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense and Secretaries of the military departments shall jointly submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the review conducted under subsection (a), including a description of the policies updated pursuant to subsection (b).

(d) DEFINITIONS.—In this section, the terms "disability evaluation system", "outpatient status", and "recovering service members" have the meaning given those terms in section 1602 of the Wounded Warrior Act (title XVI of Public Law 110–181; 10 U.S.C. 1071 note).

SEC. 718. MEDICAL SIMULATION TECHNOLOGY AND LIVE TISSUE TRAINING WITHIN THE DEPARTMENT OF DEFENSE.

(a) IN GENERAL.—

(1) USE OF SIMULATION TECHNOLOGY.—Except as provided by paragraph (2), the Secretary of Defense shall use medical simulation technology, to the maximum extent practicable, before the use of live tissue training to train medical professionals and combat medics of the Department of Defense.

(2) DETERMINATION.—The use of live tissue training within the Department of Defense may be used as determined necessary by the medical chain of command.

(b) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Chairman of the Joint Chiefs of Staff and the Secretaries of the military departments, shall provide a briefing to the Committees on Armed Services of the House of Representatives and the Senate on the use and benefit of medical simulation technology and live tissue training within the Department of Defense to train medical professionals, combat medics, and members of the Special Operations Forces.

(c) ELEMENTS.—The briefing under subsection (b) shall include the following:

(1) A discussion of the benefits and needs of both medical simulation technology and live tissue training.

(2) Ways and means to enhance and advance the use of simulation technologies in training.

(3) An assessment of current medical simulation technology requirements, gaps, and limitations.

(4) An overview of Department of Defense medical training programs, as of the date of the briefing, that use live tissue training and medical simulation technologies.

(5) Any other matters the Secretary determines appropriate.

SEC. 719. IMPROVEMENTS TO TRAUMA CENTER PARTNERSHIPS.

Section 708(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 1071 note) is amended—

(1) in paragraph (1), by striking "large metropolitan teaching hospitals that have level I civilian";

(2) in paragraph (2)—

(A) by striking "with civilian academic medical centers and large metropolitan teaching hospitals"; and

(B) by striking "the trauma centers of the medical centers and hospitals" and inserting "trauma centers"; and

(3) in paragraph (3), by striking "large metropolitan teaching hospitals" and inserting "trauma centers".

SEC. 720. IMPROVEMENT TO NOTIFICATION TO CONGRESS OF HOSPITALIZATION OF COMBAT-WOUNDED MEMBERS OF THE ARMED FORCES.

Section 1074l(a) of title 10, United States Code, is amended by striking "admitted to a military treatment facility within the United

States" and inserting "admitted to any military medical treatment facility".

Subtitle C—Reports and Other Matters

SEC. 731. EXTENSION OF AUTHORITY FOR JOINT DEPARTMENT OF DEFENSE-DEPARTMENT OF VETERANS AFFAIRS MEDICAL FACILITY DEMONSTRATION FUND.

Section 1704(e) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2573), as most recently amended by section 719 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1440), is further amended by striking "September 30, 2019" and inserting "September 30, 2020".

SEC. 732. JOINT FORCES MEDICAL CAPABILITIES DEVELOPMENT AND STANDARDIZATION.

(a) PROCESS REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall, in coordination with the Secretaries of the military departments and the Chairman of the Joint Chiefs of Staff, develop a process to establish required joint force medical capabilities for members of the Armed Forces that meet the operational planning requirements of the combatant commands.

(b) PROCESS ELEMENTS.—The process developed under subsection (a) shall include the following:

(1) A joint medical estimate to determine the medical requirements for treating members of the Armed Forces who are wounded, ill, or injured during military operations, including with respect to environmental health and force health protection.

(2) A process to review and revise military health related mission essential tasks in order to ensure that such tasks are aligned with health professional knowledge, skills, and abilities.

(3) A process to standardize the interoperability of medical equipment and capabilities to support the joint force.

(c) REPORT.—Not later than June 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report describing the process developed under subsection (a).

SEC. 733. INCLUSION OF GAMBLING DISORDER IN HEALTH ASSESSMENTS OF MEMBERS OF THE ARMED FORCES AND RELATED RESEARCH EFFORTS.

(a) INCLUSION IN NEXT ANNUAL PERIODIC HEALTH ASSESSMENTS.—The Secretary of Defense shall incorporate medical screening questions specific to gambling disorder into the Annual Periodic Health Assessments of members of the Armed Forces conducted by the Department of Defense during the one-year period beginning 180 days after the date of the enactment of this Act.

(b) INCLUSION IN CERTAIN SURVEYS.—The Secretary shall incorporate into ongoing research efforts of the Department questions on gambling disorder, as appropriate, including by restoring such questions to the following:

(1) The first Health Related Behaviors Survey of Active Duty Military Personnel conducted after the date of the enactment of this Act.

(2) The first Health Related Behaviors Survey of Reserve Component Personnel conducted after that date.

(c) REPORTS.—Not later than one year after the date of the completion of the assessment referred to in subsection (a), and of each survey referred to in subsection (b), as modified pursuant to this section, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the findings of the assessment or survey in connection with the prevalence of gambling disorder among members of the Armed Forces.

SEC. 734. REPORT ON REQUIREMENT FOR CERTAIN FORMER MEMBERS OF THE ARMED FORCES TO ENROLL IN MEDICARE PART B TO BE ELIGIBLE FOR TRICARE FOR LIFE.

(a) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, the Secretary of Health and Human Services, and the Commissioner of Social Security shall jointly submit to the Committees on Armed Services of the House of Representatives and the Senate, the Committee on Ways and Means of the House of Representatives, and the Committee on Finance of the Senate a report on the findings of a study, conducted by the Secretaries for purposes of the report, on the requirement that a covered individual enroll in the supplementary medical insurance program under part B of title XVIII of the Social Security Act (42 U.S.C. 1395j et seq.) in order to be eligible for TRICARE for Life.

(b) MATTERS INCLUDED.—The study under subsection (a) shall include the following:

(1) An analysis of whether the requirement described in such subsection affects covered individuals from returning to work.

(2) The number of individuals who—

(A) are retired from the Armed Forces under chapter 61 of title 10, United States Code;

(B) are entitled to hospital insurance benefits under part A of title XVIII of the Social Security Act pursuant to receiving benefits for 24 months as described in subparagraph (A) or (C) of section 226(b)(2) of such Act (42 U.S.C. 426(b)(2)); and

(C) because of such entitlement, are no longer enrolled in TRICARE Standard, TRICARE Prime, TRICARE Extra, or TRICARE Select.

(3) The number of covered individuals who would potentially enroll in TRICARE for Life but not enroll in the supplementary medical insurance program under part B of title XVIII of the Social Security Act (42 U.S.C. 1395j et seq.) if able.

(c) DEFINITIONS.—In this section:

(1) The term "covered individual" means an individual—

(A) who is under 65 years of age;

(B) who is entitled to hospital insurance benefits under part A of title XVIII of the Social Security Act pursuant to subparagraph (A) or (C) of section 226(b)(2) of such Act (42 U.S.C. 426(b)(2));

(C) whose entitlement to a benefit described in subparagraph (A) of such section has terminated due to performance of substantial gainful activity; and

(D) who is retired under chapter 61 of title 10, United States Code.

(2) The terms "TRICARE for Life", "TRICARE Extra", "TRICARE Standard", "TRICARE Select", and "TRICARE Prime" have the meanings given those terms in section 1072 of title 10, United States Code.

SEC. 735. PILOT PROGRAM ON EARNING BY SPECIAL OPERATIONS FORCES MEDICS OF CREDIT TOWARD A PHYSICIAN ASSISTANT DEGREE.

(a) IN GENERAL.—The Assistant Secretary of Defense for Health Affairs may conduct a pilot program to assess the feasibility and advisability of partnerships between special operations forces and institutions of higher education, and health care systems if determined appropriate by the Assistant Secretary for purposes of the pilot program, through which special operations forces medics earn credit toward the master's degree of physician assistant for military operational work and training performed by the medics.

(b) DURATION.—The Assistant Secretary shall conduct the pilot program for a period not to exceed five years.

(c) CLINICAL TRAINING.—Partnerships under subsection (a) shall permit medics participating in the pilot program to conduct clinical training at medical facilities of the Department of Defense and the civilian sector.

(d) EVALUATION.—The evaluation of work and training performed by medics for which credits are earned under the pilot program shall comply with civilian clinical evaluation standards applicable to the awarding of the master's degree of physician assistant.

(e) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representative a report on the pilot program that shall include the following:

(A) A comprehensive framework for the military education to be provided to special operations forces medics under the pilot program, including courses of instruction at institutions of higher education and any health care systems participating in the pilot program.

(B) Metrics to be used to assess the effectiveness of the pilot program.

(C) A description of the mechanisms to be used by the Department, medics, or both to cover the costs of education received by medics under the pilot program through institutions of higher education or health care systems, including payment by the Department in return for a military service commitment, tuition or other educational assistance by the Department, use by medics of post-9/11 educational assistance available through the Department of Veterans Affairs, and any other mechanisms the Secretary considers appropriate for purposes of the pilot program.

(2) FINAL REPORT.—Not later than 180 days after completion of the pilot program, the Secretary shall submit to the committees of Congress referred to in paragraph (1) a final report on the pilot program. The report shall include the following:

(A) An evaluation of the pilot program using the metrics of assessment set forth pursuant to paragraph (1)(B).

(B) An assessment of the utility of the funding mechanisms set forth pursuant to paragraph (1)(C).

(C) An assessment of the effects of the pilot program on recruitment and retention of medics for special operations forces.

(D) An assessment of the feasibility and advisability of extending one or more authorities for joint professional military education under chapter 107 of title 10, United States Code, to warrant officers or enlisted personnel, and if the Secretary considers the extension of any such authorities feasible and advisable, recommendations for legislative or administrative action to so extend such authorities.

(f) CONSTRUCTION OF AUTHORITIES.—Nothing in this section may be construed to—

(1) authorize an officer or employee of the Federal Government to create, endorse, or otherwise incentivize a particular curriculum or degree track; or

(2) require, direct, review, or control a State or educational institution, or the instructional content, curriculum, and related activities of a State or educational institution.

SEC. 736. STRATEGIC MEDICAL RESEARCH PLAN.

(a) PLAN.—Not later than 30 days after the date on which the budget of the President for fiscal year 2020 is submitted to Congress pursuant to section 1105 of title 31, United States Code, the Secretary of Defense, in consultation with the Secretaries of the military departments, shall submit to the congressional defense committees a comprehensive strategic medical research plan.

(b) MATTERS INCLUDED.—The plan under subsection (a) shall include the following:

(1) A description of all medical research focus areas of the Department of Defense and a description of the coordination process to ensure the focus areas are linked to military readiness, joint force requirements, and relevance to individuals eligible for care at military medical treatment facilities or through the TRICARE program.

(2) A description of the medical research projects funded under the Defense Health Program account and the projects under the Congressional Directed Medical Research Program.

(3) A description of the process to ensure synergy across the military medical research community in order to address gaps in military medical research, minimize duplication of research, and promote collaboration within research focus areas.

(4) A description of the efforts of the Secretary to coordinate with other departments and agencies of the Federal Government to increase awareness of complementary medical research efforts that are being carried out through the Federal Government.

SEC. 737. COMPTROLLER GENERAL OF THE UNITED STATES REVIEW OF DEFENSE HEALTH AGENCY OVERSIGHT OF TRANSITION BETWEEN MANAGED CARE SUPPORT CONTRACTORS FOR THE TRICARE PROGRAM.

(a) BRIEFING AND REPORT ON CURRENT TRANSITION.—

(1) IN GENERAL.—The Comptroller General of the United States shall provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing and a report on a review by the Comptroller General of the oversight conducted by the Defense Health Agency with respect to the current transition between managed care support contractors for the TRICARE program. The briefing shall be provided by not later than July 1, 2019.

(2) ELEMENTS.—The briefing and report under paragraph (1) shall each include the following:

(A) A description and assessment of the extent to which the Defense Health Agency provided guidance and oversight to the outgoing and incoming managed care support contractors for the TRICARE program during the transition described in paragraph (1) and before the start of health care delivery by the incoming contractor.

(B) A description and assessment of any issues with health care delivery under the TRICARE program as a result of or in connection with the transition, and, with respect to such issues—

(i) the effect, if any, of the guidance and oversight provided by the Defense Health Agency during the transition on such issues; and

(ii) the solutions developed by the Defense Health Agency for remediating any deficiencies in managed care support for the TRICARE program in connection with such issues.

(C) A description and assessment of the extent to which the Defense Health Agency has reviewed any lessons learned from past transitions between managed care support contractors for the TRICARE program, and incorporated such lessons into the transition.

(D) A review of the Department of Defense briefing provided in accordance with the provisions of the Report of the Committee on Armed Services of the House of Representatives to Accompany H.R. 5515 (115th Congress; House Report 115–676) on TRICARE Managed Care Support Contractor Reporting.

(b) REPORT ON FUTURE TRANSITIONS.—Not later than 270 days after the completion of any future transition between managed care support contractors for the TRICARE program, the Comptroller General shall submit to the committees of Congress referred to in subsection (a)(1) a report on a review by the Comptroller General of the oversight conducted by the Defense Health Agency with respect to such transition. The report shall include each description and assessment specified in subparagraphs (A) through (C) of subsection (a)(2) with respect to such transition.

(c) TRICARE PROGRAM DEFINED.—In this section, the term "TRICARE program" has the meaning given that term in section 1072 of title 10, United States Code.

SEC. 738. COMPTROLLER GENERAL STUDY ON AVAILABILITY OF LONG-TERM CARE OPTIONS FOR VETERANS FROM DEPARTMENT OF VETERANS AFFAIRS.

(a) IN GENERAL.—The Comptroller General of the United States shall conduct a study on the availability of long-term care options

from the Department of Veterans Affairs for veterans with combat-related disabilities, including veterans who served in the Armed Forces after September 11, 2001.

(b) ELEMENTS.—The study required by subsection (a) shall—

(1) determine the potential demand for long-term care by veterans eligible for health care from the Department;

(2) determine the capacity of the Department for providing all four levels of long-term care, which are independent living, assisted living, nursing home care, and memory care;

(3) identify the number of veterans with combat-related disabilities who require a personal care assistant and which facilities of the Department provide this service; and

(4) examine the value of long-term care benefits provided by the Department, including personal care assistant services, to identify the potential elements of a pilot program that affords aging veterans the choice of receiving long-term care benefits at nonprofit continuing care retirement communities.

(c) REPORT.—Not later than January 1, 2020, the Comptroller General shall submit to the Committee on Armed Services and the Committee on Veterans' Affairs of the Senate and the Committee on Armed Services and the Committee on Veterans' Affairs of the House of Representatives a report on the study conducted under this section.

SEC. 739. INCREASE IN NUMBER OF APPOINTED MEMBERS OF THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE.

Section 178(c)(1)(C) of title 10, United States Code, is amended by striking "four members" and inserting "six members".

TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

Sec. 800. Effective dates; coordination of amendments.

Subtitle A—Streamlining of Defense Acquisition Statutes and Regulations

PART I—CONSOLIDATION OF DEFENSE ACQUISITION STATUTES IN NEW PART V OF SUBTITLE A OF TITLE 10, UNITED STATES CODE

Sec. 801. Framework for new part V of subtitle A.

PART II—REDESIGNATION OF SECTIONS AND CHAPTERS OF SUBTITLES B, C, AND D TO PROVIDE ROOM FOR NEW PART V OF SUBTITLE A

Sec. 806. Redesignation of sections and chapters of subtitle D of title 10, United States Code—Air Force.
Sec. 807. Redesignation of sections and chapters of subtitle C of title 10, United States Code—Navy and Marine Corps.
Sec. 808. Redesignation of sections and chapters of subtitle B of title 10, United States Code—Army.
Sec. 809. Cross references to redesignated sections and chapters.

PART III—REPEALS OF CERTAIN PROVISIONS OF DEFENSE ACQUISITION LAW

Sec. 811. Amendment to and repeal of statutory requirements for certain positions or offices in the Department of Defense.
Sec. 812. Repeal of certain defense acquisition laws.
Sec. 813. Repeal of certain Department of Defense reporting requirements.

Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

Sec. 816. Modification of limitations on single source task or delivery order contracts.

Sec. 817. Preliminary cost analysis requirement for exercise of multiyear contract authority.
Sec. 818. Revision of requirement to submit information on services contracts to Congress.
Sec. 819. Data collection and inventory for services contracts.
Sec. 820. Report on clarification of services contracting definitions.
Sec. 821. Increase in micro-purchase threshold applicable to Department of Defense.
Sec. 822. Department of Defense contracting dispute matters.
Sec. 823. Inclusion of best available information regarding past performance of subcontractors and joint venture partners.
Sec. 824. Subcontracting price and approved purchasing systems.
Sec. 825. Modification of criteria for waivers of requirement for certified cost and price data.

Subtitle C—Provisions Relating to Major Defense Acquisition Programs

Sec. 831. Revisions in authority relating to program cost targets and fielding targets for major defense acquisition programs.
Sec. 832. Implementation of recommendations of the Independent Study on Consideration of Sustainment in Weapons Systems Life Cycle.
Sec. 833. Comptroller General assessment of acquisition programs and related initiatives.

Subtitle D—Provisions Relating to Commercial Items

Sec. 836. Revision of definition of commercial item for purposes of Federal acquisition statutes.
Sec. 837. Limitation on applicability to Department of Defense commercial contracts of certain provisions of law.
Sec. 838. Modifications to procurement through commercial e-commerce portals.
Sec. 839. Review of Federal acquisition regulations on commercial products, commercial services, and commercially available off-the-shelf items.

Subtitle E—Industrial Base Matters

Sec. 841. Report on limited sourcing of specific components for Naval vessels.
Sec. 842. Removal of national interest determination requirements for certain entities.
Sec. 843. Pilot program to test machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems.
Sec. 844. Limitation on certain procurements application process.
Sec. 845. Report on defense electronics industrial base.
Sec. 846. Support for defense manufacturing communities to support the defense industrial base.
Sec. 847. Limitation on procurement of certain items for T–AO–205 program.

Subtitle F—Small Business Matters

Sec. 851. Department of Defense small business strategy.
Sec. 852. Prompt payments of small business contractors.
Sec. 853. Increased participation in the Small Business Administration microloan program.
Sec. 854. Amendments to Small Business Innovation Research Program and Small Business Technology Transfer Program.
Sec. 855. Construction contract administration.
Sec. 856. Comptroller General study of impact of broadband speed and price on small businesses.
Sec. 857. Consolidated budget display for the Department of Defense Small Business Innovation Research Program and Small Business Technology Transfer Program.
Sec. 858. Funding for procurement technical assistance program.
Sec. 859. Authorization for payment of certain costs relating to procurement technical assistance centers.
Sec. 860. Commercialization Assistance Pilot Program.
Sec. 861. Puerto Rico businesses.
Sec. 862. Opportunities for employee-owned business concerns through Small Business Administration loan programs.

Subtitle G—Provisions Related to Software and Technical Data Matters

Sec. 865. Validation of proprietary and technical data.
Sec. 866. Continuation of technical data rights during challenges.

Sec. 867. Requirement for negotiation of technical data price before sustainment of major weapon systems.
Sec. 868. Implementation of recommendations of the final report of the Defense Science Board Task Force on the Design and Acquisition of Software for Defense Systems.
Sec. 869. Implementation of pilot program to use agile or iterative development methods required under section 873 of the National Defense Authorization Act for Fiscal Year 2018.
Sec. 870. Report on requiring access to digital technical data in future acquisitions of combat, combat service, and combat support systems.

Subtitle H—Other Matters

Sec. 871. Prohibition on acquisition of sensitive materials from non-allied foreign nations.
Sec. 872. Extension of prohibition on providing funds to the enemy.
Sec. 873. Data, policy, and reporting on the use of other transactions.
Sec. 874. Standardization of formatting and public accessibility of Department of Defense reports to Congress.
Sec. 875. Promotion of the use of Government-wide and other interagency contracts.
Sec. 876. Increasing competition at the task order level.
Sec. 877. Individual acquisition for commercial leasing services.
Sec. 878. Procurement administrative lead time definition and plan.
Sec. 879. Briefing on funding of product support strategies.
Sec. 880. Use of lowest price technically acceptable source selection process.
Sec. 881. Permanent Supply Chain Risk Management Authority.
Sec. 882. Review of market research.
Sec. 883. Establishment of integrated review team on defense acquisition industry-government exchange.
Sec. 884. Exchange program for acquisition workforce employees.
Sec. 885. Process to limit foreign access to technology.
Sec. 886. Procurement of telecommunications supplies for experimental purposes.
Sec. 887. Access by developmental and operational testing activities to data regarding modeling and simulation activity.
Sec. 888. Instruction on pilot program regarding employment of persons with disabilities.
Sec. 889. Prohibition on certain telecommunications and video surveillance services or equipment.
Sec. 890. Pilot program to accelerate contracting and pricing processes.

SEC. 800. EFFECTIVE DATES; COORDINATION OF AMENDMENTS.

(a) EFFECTIVE DATES.—

(1) PARTS I AND II.—Parts I and II of this subtitle, and the redesignations and amendments made by such parts, shall take effect on February 1, 2019.

(2) PART III.—Part III of this subtitle shall take effect on the date of the enactment of this Act.

(b) COORDINATION OF AMENDMENTS.—The redesignations and amendments made by part II of this subtitle shall be executed before the amendments made by part I of this subtitle.

(c) RULE FOR CERTAIN REDESIGNATIONS.—In the case of a redesignation specified in part II of this subtitle (1) that is to be made to a section of subtitle B, C, or D of title 10, United States Code, for which the current section designation consists of a four-digit number and a letter, and (2) that is directed to be made by the addition of a specified number to the current section designation, the new section designation shall consist of a new four-digit number and the same letter, with the new four-digit number being the number that is the sum of the specified number and the four-digit number in the current section designation.

Subtitle A—Streamlining of Defense Acquisition Statutes and Regulations

PART I—CONSOLIDATION OF DEFENSE ACQUISITION STATUTES IN NEW PART V OF SUBTITLE A OF TITLE 10, UNITED STATES CODE

SEC. 801. FRAMEWORK FOR NEW PART V OF SUBTITLE A.

(a) IN GENERAL.—Subtitle A of title 10, United States Code, is amended by adding at the end the following new part:

"PART V—ACQUISITION

"Chap. *Sec.*

"SUBPART A—GENERAL

"201. Definitions *3001*
"203. General Matters *3021*
"205. Defense Acquisition System *3051*
"207. Budgeting and Appropriations Matters *3101*
"209. Operational Contract Support *3151*

"SUBPART B—ACQUISITION PLANNING

"221. Planning and Solicitation Generally *3201*
"223. Planning and Solicitation Relating to Particular Items or Services *3251*

"SUBPART C—CONTRACTING METHODS AND CONTRACT TYPES

"241. Awarding of Contracts *3301*
"243. Specific Types of Contracts *3351*
"245. Task and Delivery Order Contracts (Multiple Award Contracts) *3401*
"247. Acquisition of Commercial Items *3451*
"249. Multiyear Contracts *3501*
"251. Simplified Acquisition Procedures *3551*
"253. Emergency and Rapid Acquisitions *3601*
"255. Contracting With or Through Other Agencies *3651*

"SUBPART D—GENERAL CONTRACTING REQUIREMENTS

"271. Truthful Cost or Pricing Data *3701*
"273. Allowable Costs *3741*
"275. Proprietary Contractor Data and Technical Data *3771*
"277. Contract Financing *3801*
"279. Contractor Audits and Accounting *3841*
"281. Claims and Disputes *3861*
"283. Foreign Acquisitions *3881*
"285. Small Business Programs *3901*
"287. Socioeconomic Programs *3961*

"SUBPART E—SPECIAL CATEGORIES OF CONTRACTING: MAJOR DEFENSE ACQUISITION PROGRAMS AND MAJOR SYSTEMS

"301. Major Defense Acquisition Programs *4001*
"303. Weapon Systems Development and Related Matters *4071*
"305. Other Matters Relating to Major Systems *4121*

"SUBPARTS F—SPECIAL CATEGORIES OF CONTRACTING: RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

"321. Research and Development Generally *4201*
"323. Innovation *4301*
"325. Department of Defense Laboratories *4351*
"327. Research and Development Centers and Facilities *4401*
"329. Operational Test and Evaluation; Developmental Test and Evaluation *4451*

"SUBPART G—OTHER SPECIAL CATEGORIES OF CONTRACTING

"341. Contracting for Performance of Civilian Commercial or Industrial Type Functions 4501
"343. Acquisition of Services 4541
"345. Acquisition of Information Technology 4571

"SUBPART H—CONTRACT MANAGEMENT

"361. Contract Administration 4601
"363. Prohibitions and Penalties 4651
"365. Contractor Workforce 4701
"367. Other Administrative and Miscellaneous Provisions 4751

"SUBPART I—DEFENSE INDUSTRIAL BASE

"381. Defense Industrial Base Generally 4801
"383. Loan Guarantee Programs 4861
"385. Procurement Technical Assistance Cooperative Agreement Program 4881

"Subpart A—General

"CHAPTER 201—DEFINITIONS

"§ 3001. [Reserved]

[Reserved]

"CHAPTER 203—GENERAL MATTERS

"§ 3021. [Reserved]

[Reserved]

"CHAPTER 205—DEFENSE ACQUISITION SYSTEM

"§ 3051. [Reserved]

[Reserved]

"CHAPTER 207—BUDGETING AND APPROPRIATIONS MATTERS

"§ 3101. [Reserved]

[Reserved]

"CHAPTER 209—OPERATIONAL CONTRACT SUPPORT

"§ 3151. [Reserved]

[Reserved]

"Subpart B—Acquisition Planning

"CHAPTER 221—PLANNING AND SOLICITATION GENERALLY

"§ 3201. [Reserved]

[Reserved]

"CHAPTER 223—PLANNING AND SOLICITATION RELATING TO PARTICULAR ITEMS OR SERVICES

"§ 3251. [Reserved]

[Reserved]

"Subpart C—Contracting Methods and Contract Types

"CHAPTER 241—AWARDING OF CONTRACTS

"§ 3301. [Reserved]
[Reserved]

"CHAPTER 243—SPECIFIC TYPES OF CONTRACTS

"§ 3351. [Reserved]
[Reserved]

"CHAPTER 245—TASK AND DELIVERY ORDER CONTRACTS (MULTIPLE AWARD CONTRACTS)

"§ 3401. [Reserved]
[Reserved]

"CHAPTER 247—ACQUISITION OF COMMERCIAL ITEMS

"§ 3451. [Reserved]
[Reserved]

"CHAPTER 249—MULTIYEAR CONTRACTS

"§ 3501. [Reserved]
[Reserved]

"CHAPTER 251—SIMPLIFIED ACQUISITION PROCEDURES

"§ 3551. [Reserved]
[Reserved]

"CHAPTER 253—EMERGENCY AND RAPID ACQUISITIONS

"§ 3601. [Reserved]
[Reserved]

"CHAPTER 255—CONTRACTING WITH OR THROUGH OTHER AGENCIES

"§ 3651. [Reserved]
[Reserved]

"Subpart D—General Contracting Requirements

"CHAPTER 271—TRUTHFUL COST OR PRICING DATA

"§ 3701. [Reserved]
[Reserved]

"CHAPTER 273—ALLOWABLE COSTS

"§ 3741. [Reserved]
[Reserved]

"CHAPTER 275—PROPRIETARY CONTRACTOR DATA AND TECHNICAL DATA

"§ 3771. [Reserved]

[Reserved]

"CHAPTER 277—CONTRACT FINANCING

"§ 3801. [Reserved]

[Reserved]

"CHAPTER 279—CONTRACTOR AUDITS AND ACCOUNTING

"§ 3841. [Reserved]

[Reserved]

"CHAPTER 281—CLAIMS AND DISPUTES

"§ 3861. [Reserved]

[Reserved]

"CHAPTER 283—FOREIGN ACQUISITIONS

"§ 3881. [Reserved]

[Reserved]

"CHAPTER 285—SMALL BUSINESS PROGRAMS

"§ 3901. [Reserved]

[Reserved]

"CHAPTER 287—SOCIOECONOMIC PROGRAMS

"§ 3961. [Reserved]

[Reserved]

"Subpart E—Special Categories of Contracting: Major Defense Acquisition Programs and Major Systems

"CHAPTER 301—MAJOR DEFENSE ACQUISITION PROGRAMS

"§ 4001. [Reserved]

[Reserved]

"CHAPTER 303—WEAPON SYSTEMS DEVELOPMENT AND RELATED MATTERS

"§ 4071. [Reserved]

[Reserved]

"CHAPTER 305—OTHER MATTERS RELATING TO MAJOR SYSTEMS

"§ 4121. [Reserved]

[Reserved]

"Subpart F—Special Categories of Contracting: Research, Development, Test, and Evaluation

"CHAPTER 321—RESEARCH AND DEVELOPMENT GENERALLY

"§ 4201. [Reserved]

[Reserved]

"CHAPTER 323—INNOVATION

"§ 4301. [Reserved]

[Reserved]

"CHAPTER 325—DEPARTMENT OF DEFENSE LABORATORIES

"§ 4351. [Reserved]

[Reserved]

"CHAPTER 327—RESEARCH AND DEVELOPMENT CENTERS AND FACILITIES

"§ 4401. [Reserved]

[Reserved]

"CHAPTER 329—OPERATIONAL TEST AND EVALUATION; DEVELOPMENTAL TEST AND EVALUATION

"§ 4451. [Reserved]

[Reserved]

"Subpart G—Other Special Categories Of Contracting

"CHAPTER 341—CONTRACTING FOR PERFORMANCE OF CIVILIAN COMMERCIAL OR INDUSTRIAL TYPE FUNCTIONS

"§ 4501. [Reserved]

[Reserved]

"CHAPTER 343—ACQUISITION OF SERVICES

"§ 4541. [Reserved]

[Reserved]

"CHAPTER 345—ACQUISITION OF INFORMATION TECHNOLOGY

"§ 4571. [Reserved]

[Reserved]

"Subpart H—Contract Management

"CHAPTER 361—CONTRACT ADMINISTRATION

"§ 4601. [Reserved]

[Reserved]

"CHAPTER 363—PROHIBITIONS AND PENALTIES

"§ 4651. [Reserved]

[Reserved]

"CHAPTER 365—CONTRACTOR WORKFORCE

"§ 4701. [Reserved]

[Reserved]

"CHAPTER 367—OTHER ADMINISTRATIVE AND MISCELLANEOUS PROVISIONS

"§ 4751. [Reserved]

[Reserved]

"Subpart I—Defense Industrial Base

"CHAPTER 381—DEFENSE INDUSTRIAL BASE GENERALLY

"§ 4801. [Reserved]

[Reserved]

"CHAPTER 383—LOAN GUARANTEE PROGRAMS

"§ 4861. [Reserved]

[Reserved]

"CHAPTER 385—PROCUREMENT TECHNICAL ASSISTANCE COOPERATIVE AGREEMENT PROGRAM

"§ 4881. [Reserved]

"[Reserved]".

(b) TABLE OF CHAPTERS AMENDMENT.—The table of chapters at the beginning of subtitle A is amended by adding at the end the following new items:

"PART V—ACQUISITION

"SUBPART A—GENERAL

"201. Definitions 3001
"203. General Matters 3021
"205. Defense Acquisition System 3051

"207. Budgeting and Appropriations Matters *3101*
"209. Operational Contract Support *3151*

"SUBPART B—ACQUISITION PLANNING

"221. Planning and Solicitation Generally *3201*
"223. Planning and Solicitation Relating to Particular Items or Services *3251*

"SUBPART C—CONTRACTING METHODS AND CONTRACT TYPES

"241. Awarding of Contracts *3301*
"243. Specific Types of Contracts *3351*
"245. Task and Delivery Order Contracts (Multiple Award Contracts) *3401*
"247. Acquisition of Commercial Items *3451*
"249. Multiyear Contracts *3501*
"251. Simplified Acquisition Procedures *3551*
"253. Emergency and Rapid Acquisitions *3601*
"255. Contracting With or Through Other Agencies *3651*

"SUBPART D—GENERAL CONTRACTING REQUIREMENTS

"271. Truthful Cost or Pricing Data *3701*
"273. Allowable Costs *3741*
"275. Proprietary Contractor Data and Technical Data *3771*
"277. Contract Financing *3801*
"279. Contractor Audits and Accounting *3841*
"281. Claims and Disputes *3861*
"283. Foreign Acquisitions *3881*
"285. Small Business Programs *3901*
"287. Socioeconomic Programs *3961*

"SUBPART E—SPECIAL CATEGORIES OF CONTRACTING: MAJOR DEFENSE ACQUISITION PROGRAMS AND MAJOR SYSTEMS

"301. Major Defense Acquisition Programs *4001*
"303. Weapon Systems Development and Related Matters *4071*
"305. Other Matters Relating to Major Systems *4121*

"SUBPART F—SPECIAL CATEGORIES OF CONTRACTING: RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

"321. Research and Development Generally *4201*
"323. Innovation *4301*
"325. Department of Defense Laboratories *4351*
"327. Research and Development Centers and Facilities *4401*
"329. Operational Test and Evaluation; Developmental Test and Evaluation *4451*

"SUBPART G—OTHER SPECIAL CATEGORIES OF CONTRACTING

"341. Contracting for Performance of Civilian Commercial or Industrial Type Functions *4501*
"343. Acquisition of Services *4541*
"345. Acquisition of Information Technology *4571*

"SUBPART H—CONTRACT MANAGEMENT

"361. Contract Administration *4601*
"363. Prohibitions and Penalties *4651*
"365. Contractor Workforce *4701*
"367. Other Administrative and Miscellaneous Provisions *4751*

"SUBPART I—DEFENSE INDUSTRIAL BASE

"381. Defense Industrial Base Generally *4801*
"383. Loan Guarantee Programs *4861*
"385. Procurement Technical Assistance Cooperative Agreement Program ..... *4881".*

PART II—REDESIGNATION OF SECTIONS AND CHAPTERS OF SUBTITLES B, C, AND D TO PROVIDE ROOM FOR NEW PART V OF SUBTITLE A

SEC. 806. REDESIGNATION OF SECTIONS AND CHAPTERS OF SUBTITLE D OF TITLE 10, UNITED STATES CODE—AIR FORCE.

(a) SUBTITLE D, PART III, SECTION NUMBERS.—The sections in part III of subtitle D of title 10, United States Code, are redesignated as follows:

(1) CHAPTER 909.—Each section in chapter 909 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 50.

(2) CHAPTER 907.—Each section in chapter 907 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 70.

(3) CHAPTERS 901 AND 903.—Each section in chapter 901 and chapter 903 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 100.

(b) SUBTITLE D, PART II, SECTION NUMBERS.—The sections in part II of such subtitle are redesignated as follows:

(1) CHAPTER 831.—Section 8210 is redesignated as section 9110.

(2) CHAPTER 833.—Sections 8251, 8252, 8257, and 8258 are redesignated as sections 9131, 9132, 9137, and 9138, respectively.

(3) CHAPTER 835.—Sections 8281 and 8310 are redesignated as sections 9151 and 9160, respectively.

(4) CHAPTER 839.—Section 8446 is redesignated as section 9176.

(5) CHAPTER 841.—Sections 8491 and 8503 are redesignated as sections 9191 and 9203, respectively.

(6) CHAPTER 843.—Sections 8547 and 8548 are redesignated as sections 9217 and 9218, respectively.

(7) CHAPTER 845.—Sections 8572, 8575, 8579, 8581, and 8583 are redesignated as sections 9222, 9225, 9229, 9231, and 9233, respectively.

(8) CHAPTER 849.—Section 8639 is redesignated as section 9239.

(9) CHAPTER 853.—Sections 8681, 8684, and 8691 are redesignated as sections 9251, 9252, and 9253, respectively.

(10) CHAPTER 855.—Section 8723 is redesignated as section 9263.

(11) CHAPTER 857.—Each section in chapter 857 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 530.

(12) CHAPTER 861.—Section 8817 is redesignated as section 9307.

(13) CHAPTER 867.—Each section in chapter 867 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 400.

(14) CHAPTER 869.—Sections 8961, 8962, 8963, 8964, 8965, and 8966 are redesignated as sections 9341, 9342, 9343, 9344, 9345, and 9346, respectively.

(15) CHAPTER 871.—Sections 8991 and 8992 are redesignated as sections 9361 and 9362, respectively.

(16) CHAPTER 873.—Sections 9021, 9025, and 9027 are redesignated as sections 9371, 9375, and 9377, respectively.

(17) CHAPTER 875.—Section 9061 is redesignated as section 9381.

(c) SUBTITLE D, PART I, SECTION NUMBERS.—Each section in part I of such subtitle is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 1,000.

(d) SUBTITLE D CHAPTER NUMBERS.—

(1) PART IV CHAPTER NUMBERS.—Each chapter in part IV of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 30.

(2) PART III CHAPTER NUMBERS.—Each chapter in part III of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 50.

(3) PART II CHAPTER NUMBERS.—

(A) IN GENERAL.—Except as provided in subparagraph (B), each chapter in part II of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 80.

(B) OTHER CHAPTERS.—

(i) Chapter 861 is redesignated as chapter 939.

(ii) Chapters 867, 869, 871, 873, and 875 are each redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 74.

(4) PART I CHAPTER NUMBERS.—Each chapter in part I of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 100.

(e) SUBTITLE D TABLES OF SECTIONS AND TABLES OF CHAPTERS.—

(1) TABLES OF SECTIONS.—The tables of sections at the beginning of the chapters of such subtitle are revised so as to conform the section references in those tables to the redesignations made by subsections (a), (b), and (c).

(2) TABLES OF CHAPTERS.—The table of chapters at the beginning of such subtitle, and the tables of chapters at the beginning of each part of such subtitle, are revised so as to conform the chapter references and section references in those tables to the redesignations made by this section.

SEC. 807. REDESIGNATION OF SECTIONS AND CHAPTERS OF SUBTITLE C OF TITLE 10, UNITED STATES CODE—NAVY AND MARINE CORPS.

(a) SUBTITLE C, PART I, SECTION NUMBERS.—

(1) IN GENERAL.—Except as provided in paragraph (2), each section in part I of subtitle C of title 10, United States Code, is redesignated so that the number of the section, as re-

designated, is the number equal to the previous number plus 3,000.

(2) CHAPTER 513.—For sections in chapter 513, each section is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 2,940.

(b) SUBTITLE C, PART II, SECTION NUMBERS.—The sections in part II of such subtitle are redesignated as follows:

(1) CHAPTER 533.—Sections 5441, 5450, and 5451 are redesignated as sections 8101, 8102, and 8103, respectively.

(2) CHAPTER 535.—Sections 5501, 5502, 5503, and 5508 are redesignated as sections 8111, 8112, 8113, and 8118, respectively.

(3) CHAPTER 537.—Section 5540 is redesignated as section 8120.

(4) CHAPTER 539.—Sections 5582, 5585, 5587, 5587a, 5589, and 5596 are redesignated as sections 8132, 8135, 8137, 8138, 8139, and 8146, respectively.

(5) CHAPTER 551.—Each section in chapter 551 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 2,220.

(6) CHAPTER 553.—Sections 5983, 5985, and 5986 are redesignated as sections 8183, 8185, and 8186, respectively.

(7) CHAPTER 555.—The sections in chapter 555 are redesignated as follows:

Section	***Redesignated Section***
6011	*8211*
6012	*8212*
6013	*8213*
6014	*8214*
6019	*8215*
6021	*8216*
6022	*8217*
6024	*8218*
6027	*8219*
6029	*8220*
6031	*8221*
6032	*8222*
6035	*8225*
6036	*8226*

(8) CHAPTER 557.—Each section in chapter 557 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 2,160.

(9) CHAPTER 559.—Section 6113 is redesignated as section 8253.

(10) CHAPTER 561.—The sections in chapter 561 are redesignated as follows:

Section	***Redesignated Section***
6141	*8261*
6151	*8262*
6152	*8263*
6153	*8264*
6154	*8265*
6155	*8266*
6156	*8267*
6160	*8270*
6161	*8271*

(11) CHAPTER 563.—Sections 6201, 6202, and 6203 are redesignated as sections 8281, 8282, and 8283, respectively.

(12) CHAPTER 565.—Sections 6221 and 6222 are redesignated as sections 8286 and 8287, respectively.

(13) CHAPTER 567.—Each section in chapter 567 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 2,050.

(14) CHAPTER 569.—Section 6292 is redesignated as section 8317.

(15) CHAPTER 571.—Each section in chapter 571 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 2,000.

(16) CHAPTER 573.—Sections 6371, 6383, 6389, 6404, and 6408 are redesignated as sections 8371, 8372, 8373, 8374, and 8375, respectively.

(17) CHAPTER 575.—Sections 6483, 6484, 6485, and 6486 are redesignated as sections 8383, 8384, 8385, and 8386, respectively.

(18) CHAPTER 577.—Section 6522 is redesignated as section 8392.

(c) SUBTITLE C, PART III, SECTION NUMBERS.—

(1) IN GENERAL.—Except as provided in paragraph (2), each section in part III of such subtitle is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 1,500.

(2) CHAPTER 609.—Sections 7101, 7102, 7103, and 7104 are redesignated as sections 8591, 8592, 8593, and 8594, respectively.

(d) SUBTITLE C, PART IV, SECTION NUMBERS.—The sections in part IV of such subtitle are redesignated as follows:

(1) CHAPTER 631.—Each section in chapter 631 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 1,400.

(2) CHAPTER 633.—Each section in chapter 633 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 1,370.

(3) CHAPTER 637.—Sections 7361, 7362, 7363, and 7364 are redesignated as sections 8701, 8702, 8703, and 8704, respectively.

(4) CHAPTER 639.—Sections 7395 and 7396 are redesignated as sections 8715 and 8716, respectively.

(5) CHAPTER 641.—Each section in chapter 641 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 1,300.

(6) CHAPTER 643.—Sections 7472, 7473, 7476, 7477, 7478, 7479, and 7480 are redesignated as sections 8742, 8743, 8746, 8747, 8748, 8749, and 8750, respectively.

(7) CHAPTER 645.—Sections 7522, 7523, and 7524 are redesignated as sections 8752, 8753, and 8754, respectively.

(8) CHAPTER 647.—The sections in chapter 647 are redesignated as follows:

Section	***Redesignated Section***
7541	*8761*
7541a	*8761a*
7541b	*8761b*
7542	*8762*
7543	*8763*
7544	*8764*
7545	*8765*
7546	*8766*
7547	*8767*

(9) CHAPTERS 649, 651, 653, AND 655.—Each section in chapters 649, 651, 653, and 655 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 1,200.

(10) CHAPTER 657.—Each section in chapter 657 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 1,170.

(11) CHAPTER 659.—Sections 7851, 7852, 7853, and 7854 are redesignated as sections 8901, 8902, 8903, and 8904, respectively.

(12) CHAPTER 661.—Sections 7861, 7862, and 7863 are redesignated as sections 8911, 8912, and 8913, respectively.

(13) CHAPTER 663.—Section 7881 is redesignated as section 8921.

(14) CHAPTER 665.—Sections 7901, 7902, and 7903 are redesignated as sections 8931, 8932, and 8933, respectively.

(15) CHAPTER 667.—Sections 7912 and 7913 are redesignated as sections 8942 and 8943, respectively.

(16) CHAPTER 669.—Section 7921 is redesignated as section 8951.

(e) SUBTITLE C CHAPTER NUMBERS.—

(1) PART I CHAPTER NUMBERS.—Each chapter in part I of such subtitle is redesignated so that the number of the chapter,

as redesignated, is the number equal to the previous number plus 300, except that chapter 513 is redesignated as chapter 809.

(2) PART II CHAPTER NUMBERS.—

(A) IN GENERAL.—Except as provided in subparagraph (B), each chapter in part II of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 270.

(B) OTHER CHAPTERS.—Chapter 533 is redesignated as chapter 811, chapter 535 is redesignated as chapter 812, chapter 537 is redesignated as chapter 813, and chapter 539 is redesignated as chapter 815.

(3) PART III CHAPTER NUMBERS.—Each chapter in part III of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 250.

(4) PART IV CHAPTER NUMBERS.—Each chapter in part IV of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 228, except that chapter 631 is redesignated as chapter 861 and chapter 633 is redesignated as chapter 863.

(f) SUBTITLE C TABLES OF SECTIONS AND TABLES OF CHAPTERS.—

(1) TABLES OF SECTIONS.—The table of sections at the beginning of each chapter of such subtitle is revised so as to conform the section references in the table to the redesignations made by subsections (a), (b), (c), and (d).

(2) TABLES OF CHAPTERS.—The table of chapters at the beginning of such subtitle, and the tables of chapters at the beginning of each part of such subtitle, are revised so as to conform the chapter references and section references in those tables to the redesignations made by this section.

SEC. 808. REDESIGNATION OF SECTIONS AND CHAPTERS OF SUBTITLE B OF TITLE 10, UNITED STATES CODE—ARMY.

(a) SUBTITLE B, PART I, SECTION NUMBERS.—Each section in part I of subtitle B of title 10, United States Code, is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 4,000.

(b) SUBTITLE B, PART II, SECTION NUMBERS.—The sections in part II of such subtitle are redesignated as follows:

(1) CHAPTER 331.—Sections 3201 and 3210 are redesignated as sections 7101 and 7110, respectively.

(2) CHAPTER 333.—Sections 3251, 3258, and 3262 are redesignated as sections 7131, 7138, and 7142, respectively.

(3) CHAPTER 335.—Sections 3281, 3282, and 3283 are redesignated as sections 7151, 7152, and 7153, respectively.

(4) CHAPTER 339.—Section 3446 is redesignated as sections 7176.

(5) CHAPTER 341.—Sections 3491 and 3503 are redesignated as sections 7191 and 7203, respectively.

(6) CHAPTER 343.—Sections 3533, 3534, 3536, 3547 and 3548 are redesignated as sections 7213, 7214, 7216, 7217, and 7218, respectively.

(7) CHAPTER 345.—Sections 3572, 3575, 3579, 3581, and 3583 are redesignated as sections 7222, 7225, 7229, 7231, and 7233, respectively.

(8) CHAPTER 349.—Section 3639 is redesignated as section 7239.

(9) CHAPTER 353.—Sections 3681, 3684, and 3691 are redesignated as sections 7251, 7252, and 7253, respectively.

(10) CHAPTER 355.—Section 3723 is redesignated as section 7263.

(11) CHAPTER 357.—Each section in chapter 357 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 3,530.

(12) CHAPTER 367.—Each section in chapter 367 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 3,400.

(13) CHAPTER 369.—Sections 3961, 3962, 3963, 3964, 3965, and 3966 are redesignated as sections 7341, 7342, 7343, 7344, 7345, and 7346, respectively.

(14) CHAPTER 371.—Sections 3991 and 3992 are redesignated as sections 7361 and 7362, respectively.

(15) CHAPTER 373.—Sections 4021, 4024, 4025, and 4027 are redesignated as sections 7371, 7374, 7375, and 7377, respectively.

(16) CHAPTER 375.—Section 4061 is redesignated as section 7381.

(c) SUBTITLE B, PART III, SECTION NUMBERS.—

(1) IN GENERAL.—Except as provided in paragraph (2), each section in part III of such subtitle is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 3,100.

(2) CHAPTER 407.—Each section in chapter 407 is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 3,070.

(d) SUBTITLE B, PART IV, SECTION NUMBERS.—Each section in part IV of such subtitle is redesignated so that the number of the section, as redesignated, is the number equal to the previous number plus 3,000.

(e) SUBTITLE B CHAPTER NUMBERS.—

(1) PART I CHAPTER NUMBERS.—Each chapter in part I of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 400.

(2) PART II CHAPTER NUMBERS.—

(A) IN GENERAL.—Except as provided in subparagraph (B), each chapter in part II of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 380.

(B) OTHER CHAPTERS.—Chapters 367, 369, 371, 373, and 375 are each redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 374.

(3) PART III CHAPTER NUMBERS.—Each chapter in part III of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 350.

(4) PART IV CHAPTER NUMBERS.—Each chapter in part IV of such subtitle is redesignated so that the number of the chapter, as redesignated, is the number equal to the previous number plus 330.

(f) SUBTITLE B TABLES OF SECTIONS AND TABLES OF CHAPTERS.—

(1) TABLES OF SECTIONS.—The table of sections at the beginning of each chapter of such subtitle is revised so as to conform the section references in the table to the redesignations made by subsections (a), (b), (c), and (d).

(2) TABLES OF CHAPTERS.—The table of chapters at the beginning of such subtitle, and the tables of chapters at the beginning of each part of such subtitle, are revised so as to conform the chapter references and section references in those tables to the redesignations made by this section.

SEC. 809. CROSS REFERENCES TO REDESIGNATED SECTIONS AND CHAPTERS.

(a) TITLE 10, UNITED STATES CODE.—Each provision of title 10, United States Code (including the table of subtitles preceding subtitle A), that contains a reference to a section or chapter redesignated by this part is amended so that the reference refers to the number of the section or chapter as redesignated.

(b) LAWS CLASSIFIED AS TITLE 10, UNITED STATES CODE, NOTE SECTIONS.—

(1) Section 1111 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 10 U.S.C. 143 note) is amended by striking "sections 143, 194, 3014, 5014, and 8014" in subsections (a) and (b) and inserting "sections 143, 194, 7014, 8014, and 9014".

(2) Section 4403(b) of the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102–484; 10 U.S.C. 1293 note) is amended—

(A) in paragraph (1)—

(i) in subparagraph (A), by striking "section 3911" and inserting "section 7311"; and

(ii) in subparagraph (B), by striking "section 3914" and inserting "section 7314";

(B) in paragraph (2)—

(i) in subparagraph (A), by striking "section 6323" and inserting "section 8323"; and

(ii) in subparagraph (B), by striking "section 6330" and inserting "section 8330"; and

(C) in paragraph (3)—

(i) in subparagraph (A), by striking "section 8911" and inserting "section 9311"; and

(ii) in subparagraph (B), by striking "section 8914" and inserting "section 9314".

(3) Section 598(d)(4) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 10 U.S.C. 1561 note) is amended by striking "sections 4361, 6980, and 9361" and inserting "sections 7461, 8480, and 9461".

(4) Section 549(a)(2)(B) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 1580 note prec.) is amended by striking "section 4348, 6959, or 9348" and inserting "section 7448, 8459, or 9448".

(5) Section 505(b) of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104–106; 10 U.S.C. 3201 note) is amended by striking "section 3201" and inserting "section 7101".

(6) Section 586(g)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 3741 note) is amended by striking "section 3744, 6248, or 8744" and inserting "section 7274, 8296, or 9274".

(7) Section 2 of Public Law 89–650 (10 U.S.C. 4343 note) is amended—

(A) by striking "sections 4342(b)(1), 6954(b), and 9342(b)(1)" and inserting "sections 7442(b)(1), 8454(b), and 9442(b)(1) of title 10, United States Code,"; and

(B) by striking "sections 4343, 6956, and 9343 of title 10, United States Code" and inserting "sections 7443, 8456, and 9443 of such title".

(8) Section 323 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 4551 note) is amended by striking "section 4551(2)" and inserting "section 7551(2)".

(9) Section 343 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 4554 note) is amended by striking "section 4554(a)(3)(A)" and inserting "section 7554(a)(3)(A)".

(10) Section 589(c) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 10 U.S.C. 7049 note) is amended by striking "sections 7049(a) and 9314a(a)" and inserting "sections 8549(a) and 9414a(a)".

(11) Section 131(d) of the National Defense Authorization Act for Fiscal Year (Public Law 115–91; 10 U.S.C. 8062 note) is amended by striking "section 8062" and inserting "section 9062".

(12) Section 2 of Public Law 86–593 (10 U.S.C. 8744 note) is amended by striking "sections 8744(a) and 8750(b)" and inserting "sections 9274(a) and 9280(b)".

(c) TITLE 5, UNITED STATES CODE.—

(1) Section 5102(c) of title 5, United States Code, is amended—

(A) in paragraph (10)—

(i) by striking "section 1595, 4021, 7478, or 9021 of title 10" and inserting "section 1595, 7371, 8748, or 9371 of title 10";

(ii) by striking "sections 4338, 6952, and 9338, respectively, of title 10" and inserting "sections 7438, 8452, and 9438, respectively, of title 10";

(iii) by striking "section 7044 of title 10" and inserting "section 8544 of title 10"; and

(iv) by striking "section 7043 of title 10" and inserting "section 8543 of title 10"; and

(B) in paragraph (28), by striking "section 9314 of title 10" and inserting "section 9414 of title 10".

(2) Section 504(c) of the Department of Defense Authorization Act, 1986 (Public Law 99–145; 5 U.S.C. 5102 note), is amended by striking "Section 9314(b)(2) of title 10, United

States Code" and inserting "Section 9414(b)(2) of title 10, United States Code".

(3) Section 5514(c) of title 5, United States Code, is amended by striking "section 4837(d) or 9837(d) of title 10" and inserting "section 7837(d) or 9837(d) of title 10".

(4) Section 8150(b) of title 5, United States Code, is amended by striking "section 9441 of title 10" and inserting "section 9491 of title 10".

(d) LAWS CLASSIFIED IN TITLE 7, UNITED STATES CODE.—The 7th proviso in the paragraph under the heading "SALARIES" in the Department of Agriculture Appropriation Act, 1937 (7 U.S.C. 2238), is amended by striking "the Act of March 3, 1879 (20 Stat. 412)" and inserting "section 7655 of title 10, United States Code".

(e) TITLE 18, UNITED STATES CODE.—

(1) Section 704 of title 18, United States Code, is amended—

(A) in subsection (c)(2)—

(i) by striking "section 3741, 6241, or 8741 of title 10" in subparagraph (A) and inserting "section 7271, 8291, or 9271 of title 10";

(ii) by striking "section 3754, 6256, or 8754 of title 10" in subparagraph (B) and inserting "section 7284, 8306, or 9284 of title 10"; and

(iii) by striking "section 3747, 6253, or 8747 of title 10" in subparagraph (C) and inserting "section 7277, 8303, or 9277 of title 10"; and

(B) in subsection (d)(1)—

(i) by striking "section 3742 of title 10" and inserting "section 7272 of title 10";

(ii) by striking "section 6242 of title 10" and inserting "section 8292 of title 10";

(iii) by striking "section 8742 of section 10" and inserting "section 9272 of title 10"; and

(iv) by striking "section 3746, 6244, or 8746 of title 10" and inserting "section 7276, 8294, or 9276 of title 10".

(2) Section 921(a)(4) of such title is amended by striking "section 4684(2), 4685, or 4686 of title 10" in the matter after subparagraph (C) and inserting "section 7684(2), 7685, or 7686 of title 10"

(3) Section 925(d)(1) of such title is amended by striking "chapter 401 of title 10" and inserting "chapter 751 of title 10".

(f) LAWS CLASSIFIED IN TITLE 22, UNITED STATES CODE.—Section 44 of the Arms Export Control Act (22 U.S.C. 2793) is amended by striking "section 7307 of title 10 of the United States Code" and inserting "section 8677 of title 10, United States Code".

(g) LAWS CLASSIFIED IN TITLE 24, UNITED STATES CODE.—Section 1520(a) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 420(a)) is amended by striking "sections 4712(f) and 9712(f) of title 10, United States Code" in the matter before paragraph (1) and inserting "sections 7712(f) and 9712(f) of title 10, United States Code".

(h) LAWS CLASSIFIED IN TITLE 26, UNITED STATES CODE.—

(1) Section 170(p)(6) of the Internal Revenue Code of 1986 is amended by striking "section 6973 of title 10, United States

Code" and inserting "section 8473 of title 10, United States Code".

(2) Section 2055(g) of the Internal Revenue Code of 1986 is amended—

(A) in paragraph (4), by striking "section 7222 of title 10, United States Code" and inserting "section 8622 of title 10, United States Code";

(B) in paragraph (9), by striking "section 6973 of title 10, United States Code" and inserting "section 8473 of title 10, United States Code"; and

(C) in paragraph (10), by striking "section 6974 of title 10, United States Code" and inserting "section 8474 of title 10, United States Code".

(3) Section 5845(f) of the Internal Revenue Code of 1986 is amended by striking "section 4684(2), 4685, or 4686 of title 10 of the United States Code" and inserting "section 7684(2), 7685, or 7686 of title 10, United States Code".

(i) LAWS CLASSIFIED IN TITLE 30, UNITED STATES CODE.—

(1) Section 35(a) of the Mineral Leasing Act (30 U.S.C. 191(a)) is amended by striking "the Act of June 4, 1920 (41 Stat. 813), as amended June 30, 1938 (52 Stat. 1252)" before the period at the end of the first sentence and inserting "section 8733(b) of title 10, United States Code".

(2) Section 4 of the Mineral Leasing Act for Acquired Lands (30 U.S.C. 353) is amended by striking "the Act of June 30, 1938 (32 Stat. 1252), amending the Act of June 4, 1920 (41 Stat. 813)" before the period at the end and inserting "chapter 869 of title 10, United States Code".

(j) TITLE 32, UNITED STATES CODE.—Section 113(b)(1)(A) of title 32, United States Code, is amended by striking "section 3013(b) of title 10" and inserting "section 7013(b) of title 10".

(k) LAWS CLASSIFIED IN TITLE 33, UNITED STATES CODE.—

(1) Section 902(c)(2) of the Oceans and Human Health Act (33 U.S.C. 3101(c)(2)) is amended by striking "(10 U.S.C. 7902(a))" and inserting "(10 U.S.C. 8932(a))".

(2) Section 12406(a)(3) of the Federal Ocean Acidification Research And Monitoring Act of 2009 (33 U.S.C. 3705(a)(3)) is amended by striking "section 7901 of title 10, United States Code" and inserting "section 8931 of title 10, United States Code".

(l) TITLE 36, UNITED STATES CODE.—

(1) Section 903(b) of title 36, United States Code, is amended by striking "sections 3755, 6257, and 8755 of title 10" and inserting "sections 7285, 8307, and 9285 of title 10".

(2) Section 40303(b) of such title is amended by striking "section 9447 of title 10" and inserting "section 9497 of title 10".

(m) TITLE 37, UNITED STATES CODE.—

(1) Section 207(c) of title 37, United States Code, is amended by striking "section 6222 of title 10" and inserting "section 8287 of title 10".

(2) Section 301a(a)(6)(D) of such title is amended by striking "section 6911 of title 10" and inserting "section 8411 of title 10".

(3) Section 334(h)(4) of such title is amended by striking "section 6911 of title 10" and inserting "section 8411 of title 10".

(4) Section 424(c) of such title is amended by striking "section 6222 of title 10" and inserting "section 8287 of title 10".

(n) TITLE 38, UNITED STATES CODE.—

(1) The following provisions of chapter 17 of title 38, United States Code, are amended by striking "section 3741, 6241, or 8741 of title 10" and inserting "section 7271, 8291, or 9271 of title 10":

(A) Section 1705(a)(1).

(B) Section 1710(a)(2)(D).

(C) Section 1710B(c)(2)(D).

(D) Section 1722A(a)(3)(D).

(2) Section 2306(d)(5) of such title is amended by striking "section 3741, 6241, or 8741 of title 10" in subparagraphs (C)(iii) and (D) and inserting "section 7271, 8291, or 9271 of title 10".

(3) Section 3311(d)(2) of such title is amended by striking "section 4348, 6959, or 9348 of title 10" and inserting "section 7448, 8459, or 9448 of title 10".

(n) LAWS CLASSIFIED IN TITLE 42, UNITED STATES CODE.—

(1) Section 106 of the Naval Petroleum Reserves Production Act of 1976 (42 U.S.C. 6506) is amended by striking "section 7430 of title 10, United States Code" and inserting "section 8730 of title 10, United States Code".

(2) Section 3022 of the Solid Waste Disposal Act (42 U.S.C. 6939d) is amended—

(A) in subsection (c)(2), by striking "section 7293 and sections 7304 through 7308 of title 10, United States Code" and inserting "section 8663 and sections 8674 through 8678 of title 10, United States Code"; and

(B) in subsection (d), by striking "section 7311 of title 10, United States Code" and inserting "section 8681 of title 10, United States Code".

(3) The Department of Energy Organization Act is amended—

(A) in section 307 (42 U.S.C. 7156), by striking "chapter 641 of title 10, United States Code" in the matter before paragraph (1) and inserting "chapter 869 of title 10, United States Code"; and

(B) in section 625(a) (42 U.S.C. 7235(a)), by striking "chapter 641 of title 10, United States Code" and inserting "chapter 869 of title 10, United States Code".

(4) Section 102(f)(3) of the Uranium Mill Tailings Radiation Control Act of 1978 (42 U.S.C. 7912(f)(3)) is amended by striking "(10 U.S.C. 7420 note; Public Law 105–261)" in the matter before subparagraph (A) and inserting "(10 U.S.C. 8720 note; Public Law 105–261)".

(p) LAWS CLASSIFIED IN TITLE 43, UNITED STATES CODE.—Section 2(e) of the Alaska Native Claims Settlement Act (43 U.S.C. 1601(e)) is amended by striking "sections 7421 through 7438 of title 10 of the United States Code" and inserting "sections 8721 through 8738 of title 10, United States Code,".

(q) TITLE 46, UNITED STATES CODE.—Section 57100(d)(1) of title 46, United States Code, is amended by striking "section 7310 of title 10, United States Code," and inserting "section 8680 of title 10".

(r) LAWS CLASSIFIED IN TITLE 50, UNITED STATES CODE.—Section 505(a)(2)(B)(i) of the National Security Act of 1947 (50 U.S.C. 3095(a)(2)(B)(i)) is amended by striking "(including a law enacted pursuant to section 7307(a) of that title)" and inserting "(including a law enacted pursuant to section 8677(a) of title 10)".

(s) TITLE 54, UNITED STATES CODE.—Section 303102 of title 54, United States Code, is amended by striking "section 7433(b) of title 10" and inserting "section 8733(b) of title 10".

(t) DEEMING RULE FOR OTHER REFERENCES.—Any reference in a provision of law (other than a provision amended by this section) to a section or chapter redesignated by this part shall be deemed to refer to the section or chapter as so redesignated.

PART III—REPEALS OF CERTAIN PROVISIONS OF DEFENSE ACQUISITION LAW

SEC. 811. AMENDMENT TO AND REPEAL OF STATUTORY REQUIREMENTS FOR CERTAIN POSITIONS OR OFFICES IN THE DEPARTMENT OF DEFENSE.

(a) AMENDMENT RELATING TO DIRECTOR OF CORROSION POLICY AND OVERSIGHT.—Section 2228(a) of title 10, United States Code, is amended—

(1) by striking ", Technology, and Logistics" and inserting "and Sustainment" both places it appears; and

(2) by striking "The Director shall report directly to the Under Secretary" at the end of paragraph (2).

(b) REPEAL OF STATUTORY REQUIREMENT FOR OFFICE OF TECHNOLOGY TRANSITION.—

(1) REPEAL.—Section 2515 of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter III of chapter 148 of such title is amended by striking the item relating to section 2515.

(c) REPEAL OF STATUTORY REQUIREMENT FOR OFFICE FOR FOREIGN DEFENSE CRITICAL TECHNOLOGY MONITORING AND ASSESSMENT.—

(1) REPEAL.—Section 2517 of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter III of chapter 148 of such title is amended by striking the item relating to section 2517.

(d) REPEAL OF STATUTORY REQUIREMENT FOR DEFENSE LOGISTICS AGENCY ADVOCATE FOR COMPETITION.—

(1) REPEAL.—Section 2318 of title 10, United States Code, is amended—

(A) by striking subsection (a); and

(B) by striking "(b)" before "Each advocate".

(2) TECHNICAL AMENDMENTS.—Such section is further amended—

(A) by striking "advocate for competition of" and inserting "advocate for competition designated pursuant to section 1705(a) of title 41 for"; and

(B) by striking "a grade GS–16 or above under the General Schedule (or in a comparable or higher position

under another schedule)" and inserting "in a position classified above GS–15 pursuant to section 5108 of title 5".

(e) REPEAL OF STATUTORY REQUIREMENT FOR DESIGNATION OF INDIVIDUAL TO SERVE AS PRIMARY LIAISON BETWEEN THE PROCUREMENT AND RESEARCH AND DEVELOPMENT ACTIVITIES OF THE UNITED STATES ARMED FORCES AND THOSE OF THE STATE OF ISRAEL.—Section 1006 of the National Defense Authorization Act, Fiscal Year 1989 (Public Law 100–456; 102 Stat. 2040; 10 U.S.C. 133a note) is repealed.

(f) REPEAL OF STATUTORY REQUIREMENT FOR DESIGNATION OF SENIOR OFFICIAL TO COORDINATE AND MANAGE HUMAN SYSTEMS INTEGRATION ACTIVITIES RELATED TO ACQUISITION PROGRAMS.—Section 231 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 45; 10 U.S.C. 1701 note) is amended—

(1) by striking "(a) IN GENERAL.—"; and

(2) by striking subsections (b), (c), and (d).

(g) REPEAL OF STATUTORY REQUIREMENT FOR DESIGNATION OF SENIOR OFFICIAL RESPONSIBLE FOR FOCUS ON URGENT OPERATIONAL NEEDS AND RAPID ACQUISITION.—Section 902 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1865; 10 U.S.C. 2302 note) is repealed.

(h) REPEAL OF STATUTORY REQUIREMENT FOR DESIGNATION OF SENIOR OFFICIAL RESPONSIBLE FOR DUAL-USE PROJECTS UNDER DUAL-USE SCIENCE AND TECHNOLOGY PROGRAM.—Section 203 of the National Defense Authorization Act for Fiscal Year 1998 (Public Law 105–85; 10 U.S.C. 2511 note) is amended by striking subsection (c).

(i) SUBMISSION OF NOTICE AND PLAN TO CONGRESS.—Not less than 30 days before reorganizing, restructuring, or eliminating any position or office specified in this section, the Secretary shall submit to the Committees on Armed Services of the Senate and House of Representatives notice of such reorganization, restructuring, or elimination together with a plan to ensure that mission requirements are met and appropriate oversight is conducted in carrying out such reorganization, restructuring, or elimination. Such plan shall address how user needs will be met and how associated roles and responsibilities will be accomplished for each position or office that the Secretary determines requiring reorganization, restructuring, or elimination.

SEC. 812. REPEAL OF CERTAIN DEFENSE ACQUISITION LAWS.

(a) TITLE 10, UNITED STATES CODE.—

(1) SECTION 167A.—

(A) REPEAL.—Section 167a of title 10, United States Code, is repealed.

(B) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 6 of such title is amended by striking the item relating to section 167a.

(C) CONFORMING AMENDMENT.—Section 905(a)(1) of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 10 U.S.C. 133a note) is amended by striking "166b, 167, or 167a" and inserting "166b or 167".

(2) SECTION 2323.—

(A) REPEAL.—Section 2323 of title 10, United States Code, is repealed.

(B) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 137 of such title is amended by striking the item relating to section 2323.

(C) CONFORMING AMENDMENTS.—

(i) Section 853(c) of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136; 10 U.S.C. 2302 note) is amended by striking "section 2323 of title 10, United States Code, and".

(ii) Section 831(n) of the National Defense Authorization Act for Fiscal Year 1991 (Public Law 101–510; 10 U.S.C. 2302 note) is amended—

(I) in paragraph (4), by inserting ", as in effect on March 1, 2018" after "section 2323 of title 10, United States Code"; and

(II) in paragraph (6), by striking "section 2323 of title 10, United States Code, and".

(iii) Section 8304(1) of the Federal Acquisition Streamlining Act of 1994 (10 U.S.C. 2375 note) is amended by striking "section 2323 of title 10, United States Code, or".

(iv) Section 10004(a)(1) of the Federal Acquisition Streamlining Act of 1994 (41 U.S.C. 1122 note) is amended by striking "section 2323 of title 10, United States Code, or".

(v) Section 2304(b)(2) of title 10, United States Code, is amended by striking "and concerns other than" and all that follows through "this title".

(vi) Section 2304e(b) of title 10, United States Code, is amended—

(I) by striking "other than—" and all that follows through "small" and inserting "other than small";

(II) by striking "; or" and inserting a period; and

(III) by striking paragraph (2).

(vii) Section 2323a(a) of title 10, United States Code, is amended by striking "section 2323 of this title and".

(viii) Section 15 of the Small Business Act (15 U.S.C. 644) is amended—

(I) in subsection (j)(3), by striking "section 2323 of title 10, United States Code,";

(II) in subsection (k)(10)—

(aa) by striking "or section 2323 of title 10, United States Code," and all that follows through "subsection (m),"; and

(bb) by striking "subsection (a)," and inserting "subsection (a) or"; and

(III) by amending subsection (m) to read as follows:

"(m) ADDITIONAL DUTIES OF PROCUREMENT CENTER REPRESENTATIVES.—All procurement center representatives (including those referred to in subsection (k)(6)), in addition to such other du-

ties as may be assigned by the Administrator, shall increase, insofar as possible, the number and dollar value of procurements that may be used for the programs established under this section and section 8(a).".

(ix) Section 1902(b)(1) of title 41, United States Code, is amended by striking ", section 2323 of title 10,".

(3) SECTION 2332.—

(A) REPEAL.—Section 2332 of title 10, United States Code, is repealed.

(B) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 137 of such title is amended by striking the item relating to section 2332.

(b) OTHER PROVISIONS OF LAW.—The following provisions of law are repealed:

(1) Section 934 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 10 U.S.C. 2223a note).

(2) Section 804 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 10 U.S.C. 2223a note).

(3) Section 804 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 10 U.S.C. 2302 note).

(4) Section 829 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 10 U.S.C. 2302 note).

(5) Section 818(g) of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 10 U.S.C. 2302 note).

(6) Section 815(b) of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 10 U.S.C. 2302 note).

(7) Section 141 of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108–375; 10 U.S.C. 2302 note).

(8) Section 801(b) of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136; 10 U.S.C. 2302 note).

(9) Section 352 of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 10 U.S.C. 2302 note).

(10) Section 9004 of the Department of Defense Appropriations Act, 1990 (Public Law 101–165; 10 U.S.C. 2302 note).

(11) Section 802 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 10 U.S.C. 2304 note).

(12) Section 813 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 10 U.S.C. 2304 note).

(13) Section 391 of the National Defense Authorization Act for Fiscal Year 1998 (Public Law 105–85; 10 U.S.C. 2304 note).

(14) Section 927(b) of Public Laws 99–500, 99–591, and 99–661 (10 U.S.C. 2304 note).

(15) Section 1222(b) of the National Defense Authorization Act for Fiscal Year 1987 (Public Law 99–661; 10 U.S.C. 2304 note).

(16) Section 814(b) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 10 U.S.C. 2304a note).

(17) Section 834 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 10 U.S.C. 2304b note).

(18) Section 803 of the Strom Thurmond National Defense Authorization Act for Fiscal Year 1999 (Public Law 105–261; 10 U.S.C. 2306a note).

(19) Section 1075 of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103–337; 10 U.S.C. 2315 note).

(20) Section 818 of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103–337; 10 U.S.C. 2324 note).

(21) Sections 908(a), (b), (c), and (e) of Public Laws 99–500, 99–591, and 99–661 (10 U.S.C. 2326 note).

(22) Section 807 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 10 U.S.C. 2330 note).

(23) Section 808(d) of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 10 U.S.C. 2330 note).

(24) Section 812(b)–(c) of the National Defense Authorization Act for Fiscal Year 2006 (Public Law 109–163; 10 U.S.C. 2330 note).

(25) Section 801(d)–(f) of the National Defense Authorization Act for Fiscal Year 2002 (Public Law 107–107; 10 U.S.C. 2330 note).

(26) Section 802 of the National Defense Authorization Act for Fiscal Year 2002 (Public Law 107–107; 10 U.S.C. 2330 note).

(27) Section 831 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 10 U.S.C. 2330a note).

(28) Section 1032 of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 10 U.S.C. 2358 note).

(29) Section 241 of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 10 U.S.C. 2358 note).

(30) Section 913(b) of the National Defense Authorization Act for Fiscal Year 2000 (Public Law 106–65; 10 U.S.C. 2364 note).

(31) Sections 234(a) and (b) of the National Defense Authorization Act for Fiscal Year 1987 (Public Law 99–661; 10 U.S.C. 2364 note).

(32) Section 943(b) of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 10 U.S.C. 2366a note).

(33) Section 801 of the National Defense Authorization Act for Fiscal Year 1990 (Public Law 101–189; 10 U.S.C. 2399 note).

(34) Section 8133 of the Department of Defense Appropriations Act, 2000 (Public Law 106–79; 10 U.S.C. 2401a note).

(35) Section 807(b) of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 10 U.S.C. 2410p note).

(36) Section 1058 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 10 U.S.C. 2430 note).

(37) Section 838 of the National Defense Authorization Act for Fiscal Year 1994 (Public Law 103–160; 10 U.S.C. 2430 note).

(38) Section 809 of the National Defense Authorization Act for Fiscal Year 1991 (Public Law 101–510; 10 U.S.C. 2430 note).

(39) Section 833 of the National Defense Authorization Act for Fiscal Year 1994 (Public Law 103–160; 10 U.S.C. 2430 note).

(40) Section 839 of the National Defense Authorization Act for Fiscal Year 1994 (Public Law 103–160; 10 U.S.C. 2430 note).

(41) Section 819 of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103–337; 10 U.S.C. 2430 note).

(42) Section 5064 of the Federal Acquisition Streamlining Act of 1994 (Public Law 103–355; 10 U.S.C. 2430 note).

(43) Section 803 of the National Defense Authorization Act for Fiscal Year 1997 (Public Law 104–201; 10 U.S.C. 2430 note).

(44) Section 328 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 10 U.S.C. 2458 note).

(45) Section 347 of the Strom Thurmond National Defense Authorization Act for Fiscal Year 1999 (Public Law 105–261; 10 U.S.C. 2458 note).

(46) Section 349 of the Strom Thurmond National Defense Authorization Act for Fiscal Year 1999 (Public Law 105–261; 10 U.S.C. 2458 note).

(47) Section 395 of the National Defense Authorization Act for Fiscal Year 1998 (Public Law 105–85; 10 U.S.C. 2458 note).

(48) Section 325 of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108–375; 10 U.S.C. 2461 note).

(49) Section 336 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136; 10 U.S.C. 2461 note).

(50) Section 353(a) of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104–106; 10 U.S.C. 2461 note).

(51) Section 353(b) of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104–106; 10 U.S.C. 2461 note).

(52) Section 356 of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104–106; 10 U.S.C. 2461 note).

(53) Section 1010 of the USA Patriot Act of 2001 (Public Law 107–56; 10 U.S.C. 2465 note).

(54) Section 4101 of the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102–484; 10 U.S.C. 2500 note).

(55) Section 852 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 10 U.S.C. 2504 note).

(56) Section 823 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136; 10 U.S.C. 2521 note).

(57) Section 823 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2533b note).

(58) Section 804(h) of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 10 U.S.C. 2533b note).

(59) Section 842(b) of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 10 U.S.C. 2533b note).

(60) Section 343 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (as enacted into law by Public Law 106–398; 10 U.S.C. 4551 note).

SEC. 813. REPEAL OF CERTAIN DEPARTMENT OF DEFENSE REPORTING REQUIREMENTS.

(a) AMENDMENTS TO TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is amended as follows:

(1) SECTION 231A.—

(A) REPEAL.—Section 231a is repealed.

(B) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 9 is amended by striking the item relating to section 231a.

(2) SECTION 2276.—Section 2276 is amended by striking subsection (e).

(b) NDAA FOR FY 2008.—The National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181) is amended—

(1) in section 911(f) (10 U.S.C. 2271 note)—

(A) in the subsection heading, by striking "; BIENNIAL UPDATE";

(B) in paragraph (3), by striking ", and each update required by paragraph (2),"; and

(C) by striking paragraph (2) and redesignating paragraph (3) as paragraph (2); and

(2) in section 1034—

(A) by striking subsection (d); and

(B) by redesignating subsection (e) as subsection (d).

(c) NDAA FOR FY 2009.—Section 1047(d) of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 10 U.S.C. 2366b note) is amended—

(1) in the subsection heading, by striking "BANDWIDTH" and all that follows through "The Secretary" and inserting "BANDWIDTH REQUIREMENTS.—The Secretary"; and

(2) by striking paragraph (2).

(d) NDAA FOR FY 2010.—Section 1244 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 22 U.S.C. 1928 note) is amended by striking subsection (d).

(e) NDAA FOR FY 2011.—Section 1217 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 22 U.S.C. 7513 note) is amended by striking subsection (i).

(f) NDAA FOR FY 2013.—Section 524 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1723; 10 U.S.C. 1222 note) is amended by striking subsection (c).

(g) NDAA FOR FY 2015.—Section 1026(d) of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3490) is repealed.

(h) MILITARY CONSTRUCTION AUTHORIZATION ACT, 1982.—Section 703 of the Military Construction Authorization Act, 1982 (Public Law 97–99; 95 Stat. 1376) is amended by striking subsection (g).

(i) CONFORMING AMENDMENTS.—

(1) NDAA FOR FY 2017.—Section 1061 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 111 note) is amended—

(A) in subsection (c), by striking paragraphs (16) and (41);

(B) in subsection (d), by striking paragraph (3);

(C) in subsection (f), by striking paragraph (1);

(D) in subsection (g), by striking paragraph (3);

(E) in subsection (h), by striking paragraph (3); and

(F) in subsection (i), by striking paragraphs (15), (17), and (24).

(2) NDAA FOR FY 2000.—Section 1031 of the National Defense Authorization Act for Fiscal Year 2000 (Public Law 106–65; 113 Stat. 749; 31 U.S.C. 1113 note) is amended by striking paragraph (32).

Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

SEC. 816. MODIFICATION OF LIMITATIONS ON SINGLE SOURCE TASK OR DELIVERY ORDER CONTRACTS.

Section 2304a(d)(3)(A) of title 10, United States Code, is amended by striking "reasonably perform the work" and inserting "efficiently perform the work".

SEC. 817. PRELIMINARY COST ANALYSIS REQUIREMENT FOR EXERCISE OF MULTIYEAR CONTRACT AUTHORITY.

Section 2306b(i)(2)(B) of title 10, United States Code, is amended—

(1) by striking "made after the completion of a cost analysis" and inserting "supported by a preliminary cost analysis"; and

(2) by striking "for the purpose of section 2334(e)(1) of this title, and that the analysis supports those preliminary findings".

SEC. 818. REVISION OF REQUIREMENT TO SUBMIT INFORMATION ON SERVICES CONTRACTS TO CONGRESS.

(a) REVISION.—Section 2329(b) of title 10, United States Code, is amended—

(1) by striking "October 1, 2022" and inserting "October 1, 2021"; and

(2) in paragraph (1)—

(A) by striking "at or about" and inserting "at or before"; and

(B) by inserting "or on the date on which the future-years defense program is submitted to Congress under section 221 of this title" after "title 31";

(3) in paragraph (3), by striking "and" at the end;

(4) in paragraph (4), by striking the period at the end and inserting "; and"; and

(5) by adding at the end the following new paragraph:

"(5) be included in the future-years defense program submitted to Congress under section 221 of this title.".

(b) BRIEFING REQUIREMENT ON SERVICES CONTRACTS.—Not later than 180 days after the date of the enactment of this Act, and every 180 days thereafter until the requirements of section 2329(b) of title 10, United States Code, are met, the Under Secretary of Defense for Acquisition and Sustainment shall brief the congressional defense committees on the progress of Department of Defense efforts to meet the requirements of such section, including relevant information on the methodology and implementation plans for future compliance.

SEC. 819. DATA COLLECTION AND INVENTORY FOR SERVICES CONTRACTS.

Section 2330a of title 10, United States Code, is amended in subsection (c)(1)—

(1) by inserting "and contracts closely associated with inherently governmental functions" after "staff augmentation contracts"; and

(2) by striking "Under Secretary of Defense for Acquisition, Technology, and Logistics" each place it appears and inserting "Under Secretary of Defense for Acquisition and Sustainment".

SEC. 820. REPORT ON CLARIFICATION OF SERVICES CONTRACTING DEFINITIONS.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report clarifying the definitions of and relationships between terms used by the Department of Defense related to services contracting, including the appropriate use of personal services contracts and nonpersonal services contracts, and the responsibilities of individuals in the acquisition workforce with respect to such contracts.

SEC. 821. INCREASE IN MICRO-PURCHASE THRESHOLD APPLICABLE TO DEPARTMENT OF DEFENSE.

(a) IN GENERAL.—Section 2338 of title 10, United States Code, is amended by striking "Notwithstanding subsection (a) of section 1902 of title 41, the micro-purchase threshold for the Department of Defense for purposes of such section is $5,000" and inserting "The micro-purchase threshold for the Department of Defense is $10,000".

(b) CONFORMING AMENDMENT.—Section 1902(a)(1) of title 41, United States Code, is amended by striking "sections 2338 and 2339 of title 10 and".

(c) REPEAL OF OBSOLETE AUTHORITY.—

(1) IN GENERAL.—Section 2339 of title 10, United States Code, is repealed.

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 137 of title 10, United States Code, is amended by striking the item relating to section 2339.

SEC. 822. DEPARTMENT OF DEFENSE CONTRACTING DISPUTE MATTERS.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall carry out a study of the frequency and effects of bid protests involving the same contract award or proposed award that have been filed at both the Government Accountability Office and the United States Court of Federal Claims. The study shall cover Department of Defense contracts and include, at a minimum—

(1) the number of protests that have been filed with both tribunals and results;

(2) the number of such protests where the tribunals differed in denying or sustaining the action;

(3) the length of time, in average time and median time—

(A) from initial filing at the Government Accountability Office to decision in the United States Court of Federal Claims;

(B) from filing with each tribunal to decision by such tribunal;

(C) from the time at which the basis of the protest is known to the time of filing in each tribunal; and

(D) in the case of an appeal from a decision of the United States Court of Federal Claims, from the date of the initial filing of the appeal to decision in the appeal;

(4) the number of protests where performance was stayed or enjoined and for how long;

(5) if performance was stayed or enjoined, whether the requirement was obtained in the interim through another vehicle or in-house, or whether during the period of the stay or enjoining the requirement went unfulfilled;

(6) separately for each tribunal, the number of protests where performance was stayed or enjoined and monetary damages were awarded, which shall include for how long performance was stayed or enjoined and the amount of monetary damages;

(7) whether the protestor was a large or small business; and

(8) whether the protestor was the incumbent in a prior contract for the same or similar product or service.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees, the Committee on the Judiciary of the Senate, and the Committee on the Judiciary of the House of Representatives a report on the results of the study, along with related recommendations for improving the expediency of the bid protest process. In preparing the report, the Secretary shall consult with the Attorney General of the United States, the Comptroller General of the United States, and the United States Court of Federal Claims.

(c) ONGOING DATA COLLECTION.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense shall establish and continuously maintain a data repository to collect on

an ongoing basis the information described in subsection (a) and any additional relevant bid protest data the Secretary determines necessary and appropriate to allow the Department of Defense, the Government Accountability Office, and the United States Court of Federal Claims to assess and review bid protests over time.

(d) ESTABLISHMENT OF EXPEDITED PROCESS FOR SMALL VALUE CONTRACTS.—

(1) IN GENERAL.—Not later than December 1, 2019, the Secretary of Defense shall develop a plan and schedule for an expedited bid protest process for Department of Defense contracts with a value of less than $100,000.

(2) CONSULTATION.—In carrying out paragraph (1), the Secretary of Defense may consult with the Government Accountability Office and the United States Court of Federal Claims to the extent such entities may establish a similar process at their election.

(3) REPORT.—Not later than May 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a report on the plan and schedule for implementation of the expedited bid protest process, which shall include a request for any additional authorities the Secretary determines appropriate for such efforts.

SEC. 823. INCLUSION OF BEST AVAILABLE INFORMATION REGARDING PAST PERFORMANCE OF SUBCONTRACTORS AND JOINT VENTURE PARTNERS.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Federal Acquisition Regulatory Council and the Administrator for Federal Procurement Policy, shall develop policies for the Department of Defense to ensure the best information regarding past performance of certain subcontractors and joint venture partners is available when awarding Department of Defense contracts. The policies shall include proposed revisions to the Defense Federal Acquisition Regulation Supplement as follows:

(1) Required performance evaluations, as part of a government-wide evaluation reporting tool, for first-tier subcontractors on construction and architect-engineer contracts performing a portion of the contract valued at the threshold set forth in section 42.1502(e) of the Federal Acquisition Regulation, or 20 percent of the value of the prime contract, whichever is higher, provided—

(A) the information included in rating the subcontractor is not inconsistent with the information included in the rating for the prime contractor;

(B) the subcontractor evaluation is conducted consistent with the provisions of section 42.15 of the Federal Acquisition Regulation;

(C) negative evaluations of a subcontractor in no way obviate the prime contractor's responsibility for successful completion of the contract and management of its subcontractors; and

(D) that in the judgment of the contracting officer, the overall execution of the work is impacted by the performance of the subcontractor or subcontractors.

(2) Required performance evaluations, as part of a government-wide evaluation reporting tool, of individual partners of joint venture-awarded construction and architect-engineer contracts valued at the threshold set forth in section 42.1502(e) of the Federal Acquisition Regulation, to ensure that past performance on joint venture projects is considered in future awards to individual joint venture partners, provided—

(A) at a minimum, the rating for joint ventures includes an identification that allows the evaluation to be retrieved for each partner of the joint venture;

(B) each partner, through the joint venture, is given the same opportunity to submit comments, rebutting statements, or additional information, consistent with the provisions of section 42.15 of the Federal Acquisition Regulation; and

(C) the rating clearly identifies the responsibilities of joint venture partners for discrete elements of the work where the partners are not jointly and severally responsible for the project.

(3) Processes to request exceptions from the annual evaluation requirement under section 42.1502(a) of the Federal Acquisition Regulation for construction and architect-engineer contracts where submission of the annual evaluations would not provide the best representation of the performance of a contractor, including subcontractors and joint venture partners, including—

(A) where no severable element of the work has been completed;

(B) where the contracting officer determines that—

(i) an insubstantial portion of the contract work has been completed in the preceding year; and

(ii) the lack of performance is at no fault to the contractor; or

(C) where the contracting officer determines that there is an issue in dispute which, until resolved, would likely cause the annual rating to inaccurately reflect the past performance of the contractor.

SEC. 824. SUBCONTRACTING PRICE AND APPROVED PURCHASING SYSTEMS.

(a) AMENDMENT.—Section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2302 note) is amended—

(1) in subsection (g), by adding at the end the following new paragraph:

"(5) The term 'approved purchasing system' has the meaning given the term in section 44.101 of the Federal Acquisition Regulation (or any similar regulation)."; and

(2) by adding at the end the following new subsection:

"(i) CONSENT TO SUBCONTRACT.—If the contractor on a Department of Defense contract requiring a contracting officer's written consent prior to the contractor entering into a subcontract has an approved purchasing system, the contracting officer may not withhold such consent without the written approval of the program manager.".

(b) CONFORMING REGULATIONS.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall revise the Defense Federal Acquisition Regulation Supplement to conform with the amendments to section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2302 note) made by this section.

SEC. 825. MODIFICATION OF CRITERIA FOR WAIVERS OF REQUIREMENT FOR CERTIFIED COST AND PRICE DATA.

Section 817(b)(2) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 10 U.S.C. 2306a note) is amended by striking "; and" and inserting "; or".

Subtitle C—Provisions Relating to Major Defense Acquisition Programs

SEC. 831. REVISIONS IN AUTHORITY RELATING TO PROGRAM COST TARGETS AND FIELDING TARGETS FOR MAJOR DEFENSE ACQUISITION PROGRAMS.

(a) REVISIONS IN AUTHORITY RELATING TO PROGRAM COST AND FIELDING TARGETS.—Section 2448a of title 10, United States Code, is amended—

(1) in subsection (a), by striking "Secretary of Defense" and inserting "designated milestone decision authority for the program";

(2) by striking "the milestone decision authority for the major defense acquisition program approves a program that" and inserting "the program";

(3) by striking subsection (b); and

(4) by redesignating subsection (c) as subsection (b).

(b) CONFORMING AMENDMENTS.—

(1) Section 181(b) of title 10, United States Code, is amended—

(A) by striking paragraph (3); and

(B) by redesignating paragraphs (4), (5), (6), and (7) as paragraphs (3), (4), (5), and (6), respectively.

(2) Section 2366a(c)(1)(A) of such title is amended by striking "by the Secretary of Defense".

(3) Section 2366b of such title is amended—

(A) in subsection (a)(3)(D), by striking "Secretary of Defense after a request for such increase or delay by the"; and

(B) in subsection (c)(1)(A), by striking "by the Secretary of Defense".

(4) Section 925(b)(1) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2361; 10 U.S.C. 2448a note) is amended by striking "Deputy Secretary of Defense and the Vice Chairman of the Joint Chiefs of Staff" and inserting "designated milestone decision authority for the major defense acquisition program and the Vice Chief of Staff of the armed force concerned or, in the case of a program for which an alternate milestone decision authority is designated under section 2430(d)(2) of such title, the Vice Chairman of the Joint Chiefs of Staff".

SEC. 832. IMPLEMENTATION OF RECOMMENDATIONS OF THE INDEPENDENT STUDY ON CONSIDERATION OF SUSTAINMENT IN WEAPONS SYSTEMS LIFE CYCLE.

(a) IMPLEMENTATION REQUIRED.—Not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall, except as provided under subsection (b), commence implementation of each recommendation submitted as part of the independent assessment produced under section 844 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2290).

(b) EXCEPTIONS.—

(1) DELAYED IMPLEMENTATION.—The Secretary of Defense may commence implementation of a recommendation described under subsection (a) later than the date required under such subsection if the Secretary provides the congressional defense committees with a specific justification for the delay in implementation of such recommendation.

(2) NONIMPLEMENTATION.—The Secretary of Defense may opt not to implement a recommendation described under subsection (a) if the Secretary provides to the congressional defense committees—

(A) the reasons for the decision not to implement the recommendation; and

(B) a summary of the alternative actions the Secretary plans to take to address the purposes underlying the recommendation.

(c) IMPLEMENTATION PLANS.—For each recommendation that the Secretary is implementing, or that the Secretary plans to implement, the Secretary shall submit to the congressional defense committees—

(1) a summary of actions that have been taken to implement the recommendation; and

(2) a schedule, with specific milestones, for completing the implementation of the recommendation.

SEC. 833. COMPTROLLER GENERAL ASSESSMENT OF ACQUISITION PROGRAMS AND RELATED INITIATIVES.

(a) IN GENERAL.—Chapter 131 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2229b. Comptroller General assessment of acquisition programs and initiatives

"(a) ASSESSMENT REQUIRED.—The Comptroller General of the United States shall submit to the congressional defense committees an annual assessment of selected acquisition programs and initiatives of the Department of Defense by March 30th of each year from 2020 through 2023.

"(b) ANALYSES TO BE INCLUDED.—The assessment required under subsection (a) shall include—

"(1) a macro analysis of how well acquisition programs and initiatives are performing and reasons for that performance;

"(2) a summary of organizational and legislative changes and emerging assessment methodologies since the last assessment, and a discussion of the implications for execution and oversight of programs and initiatives; and

"(3) specific analyses of individual acquisition programs and initiatives.

"(c) ACQUISITION PROGRAMS AND INITIATIVES TO BE CONSIDERED.—The assessment required under subsection (a) shall consider the following programs and initiatives:

"(1) Selected weapon systems, as determined appropriate by the Comptroller General.

"(2) Selected information technology systems and initiatives, including defense business systems, networks, and software-intensive systems, as determined appropriate by the Comptroller General.

"(3) Selected prototyping and rapid fielding activities and initiatives, as determined appropriate by the Comptroller General.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2229a the following new item:

"2229b. Comptroller General assessment of acquisition programs and related initiatives.".

(c) REPEAL OF SUPERSEDED AUTHORITY.—Section 883(d) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2222 note) is amended by striking paragraph (1), effective on January 1, 2020.

Subtitle D—Provisions Relating to Commercial Items

SEC. 836. REVISION OF DEFINITION OF COMMERCIAL ITEM FOR PURPOSES OF FEDERAL ACQUISITION STATUTES.

(a) DEFINITIONS IN CHAPTER 1 OF TITLE 41, UNITED STATES CODE.—

(1) SEPARATION OF "COMMERCIAL ITEM" DEFINITION INTO DEFINITIONS OF "COMMERCIAL PRODUCT" AND "COMMERCIAL SERVICE".—Chapter 1 of title 41, United States Code, is amended by striking section 103 and inserting the following new sections:

"§ 103. Commercial product

"In this subtitle, the term 'commercial product' means any of the following:

"(1) A product, other than real property, that—

"(A) is of a type customarily used by the general public or by nongovernmental entities for purposes other than governmental purposes; and

"(B) has been sold, leased, or licensed, or offered for sale, lease, or license, to the general public.

"(2) A product that—

"(A) evolved from a product described in paragraph (1) through advances in technology or performance; and

"(B) is not yet available in the commercial marketplace but will be available in the commercial marketplace in time to satisfy the delivery requirements under a Federal Government solicitation.

"(3) A product that would satisfy the criteria in paragraph (1) or (2) were it not for—

"(A) modifications of a type customarily available in the commercial marketplace; or

"(B) minor modifications made to meet Federal Government requirements.

"(4) Any combination of products meeting the requirements of paragraph (1), (2), or (3) that are of a type customarily combined and sold in combination to the general public.

"(5) A product, or combination of products, referred to in paragraphs (1) through (4), even though the product, or combination of products, is transferred between or among separate divisions, subsidiaries, or affiliates of a contractor.

"(6) A nondevelopmental item if the procuring agency determines, in accordance with conditions in the Federal Acquisition Regulation, that—

"(A) the product was developed exclusively at private expense; and

"(B) has been sold in substantial quantities, on a competitive basis, to multiple State and local governments or to multiple foreign governments.

"§ 103a. Commercial service

"In this subtitle, the term 'commercial service' means any of the following:

"(1) Installation services, maintenance services, repair services, training services, and other services if—

"(A) those services are procured for support of a commercial product, regardless of whether the services are provided by the same source or at the same time as the commercial product; and

"(B) the source of the services provides similar services contemporaneously to the general public under terms and conditions similar to those offered to the Federal Government;

"(2) Services of a type offered and sold competitively, in substantial quantities, in the commercial marketplace—

"(A) based on established catalog or market prices;

"(B) for specific tasks performed or specific outcomes to be achieved; and

"(C) under standard commercial terms and conditions.

"(3) A service described in paragraph (1) or (2), even though the service is transferred between or among separate divisions, subsidiaries, or affiliates of a contractor.".

(2) CONFORMING AMENDMENTS TO TITLE 41 DEFINITIONS.—

(A) DEFINITION OF COMMERCIAL COMPONENT.—Section 102 of such title is amended by striking "commercial item" and inserting "commercial product".

(B) DEFINITION OF COMMERCIALLY AVAILABLE OFF-THE-SHELF ITEM.—Section 104(1)(A) is amended by striking "commercial item" and inserting "commercial product".

(C) DEFINITION OF NONDEVELOPMENTAL ITEM.—Section 110(1) of such title is amended by striking "commercial item" and inserting "commercial product".

(3) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 1 of title 41, United States Code, is amended by striking the item relating to section 103 and inserting the following new items:

"103. Commercial product.
"103a. Commercial service.".

(b) CONFORMING AMENDMENTS TO OTHER PROVISIONS OF TITLE 41, UNITED STATES CODE.—Title 41, United States Code, is further amended as follows:

(1) Section 1502(b) is amended—

(A) in paragraph (1)(A), by striking "commercial items" and inserting "commercial products or commercial services";

(B) in paragraph (1)(C)(i), by striking "commercial item" and inserting "commercial product or commercial service"; and

(C) in paragraph (3)(A)(i), by striking "commercial items" and inserting "commercial products or commercial services".

(2) Section 1705(c) is amended by striking "commercial items" and inserting "commercial products and commercial services".

(3) Section 1708 is amended by striking "commercial items" in subsections (c)(6) and (e)(3) and inserting "commercial products or commercial services".

(4) Section 1901 is amended—

(A) in subsection (a)(2), by striking "commercial items" and inserting "commercial products or commercial services"; and

(B) in subsection (e)—

(i) by striking "COMMERCIAL ITEMS" in the subsection heading and inserting "COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES"; and

(ii) by striking "commercial items" and inserting "commercial products or commercial services".

(5) Section 1903(c) is amended—

(A) in the subsection heading, by striking "COMMERCIAL ITEM" and inserting "COMMERCIAL PRODUCT OR COMMERCIAL SERVICE";

(B) in paragraph (1), by striking "as a commercial item" and inserting "as a commercial product or a commercial service"; and

(C) in paragraph (2), by striking "for an item or service treated as a commercial item" and inserting "for a product or service treated as a commercial product or a commercial service".

(6)(A) Section 1906 is amended by striking "commercial items" each place it appears in subsections (b), (c), and (d) and inserting "commercial products or commercial services".

(B)(i) The heading of such section is amended to read as follows:

"§ 1906. List of laws inapplicable to procurements of commercial products and commercial services".

(ii) The table of sections at the beginning of chapter 19 is amended by striking the item relating to section 1906 and inserting the following new item:

"1906. List of laws inapplicable to procurements of commercial products and commercial services.".

(7) Section 3304 is amended by striking "commercial item" in subsections (a)(5) and (e)(4)(B) and inserting "commercial product".

(8) Section 3305(a)(2) is amended by striking "commercial items" and inserting "commercial products or commercial services".

(9) Section 3306(b) is amended by striking "commercial items" and inserting "commercial products or commercial services".

(10)(A) Section 3307 is amended—

(i) in subsection (a)—

(I) by striking "COMMERCIAL ITEMS" in the subsection heading and inserting "COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES";

(II) in paragraph (1), by striking "commercial items" and inserting "commercial products and commercial services"; and

(III) in paragraph (2), by striking "a commercial item" and inserting "a commercial product or commercial service";

(ii) in subsection (b)—

(I) in paragraph (2), by striking "commercial items or, to the extent that commercial items suitable to meet the executive agency's needs are not available, nondevelopmental items other than commercial items" and inserting "commercial services or commercial products or, to the extent that commercial products suitable to meet the executive agency's needs are not available, nondevelopmental items other than commercial products"; and

(II) in paragraph (3), by striking "commercial items and nondevelopmental items other than commercial items" and inserting "commercial services, commercial products, and nondevelopmental items other than commercial products";

(iii) in subsection (c)—

(I) in paragraphs (1) and (2), by striking "commercial items or nondevelopmental items other than commercial items" and inserting "commercial services or commercial products or nondevelopmental items other than commercial products";

(II) in paragraphs (3) and (4), by striking "commercial items or, to the extent that commercial items suitable to meet the executive agency's needs are not available, nondevelopmental items other than commercial items" and inserting "commercial services or commercial products or, to the extent that commercial products suitable to meet the executive agency's needs are not available, nondevelopmental items other than commercial products"; and

(III) in paragraphs (5) and (6), by striking "commercial items" and inserting "commercial products and commercial services";

(iv) in subsection (d)(2), by striking "commercial items or, to the extent that commercial items suitable to meet the

executive agency's needs are not available, nondevelopmental items other than commercial items" and inserting "commercial services or commercial products or, to the extent that commercial products suitable to meet the executive agency's needs are not available, nondevelopmental items other than commercial products"; and

(v) in subsection (e)—

(I) in paragraph (1), by inserting "103a, 104," after "sections 102, 103,";

(II) in paragraph (2)(A), by striking "commercial items" and inserting "commercial products or commercial services";

(III) in the first sentence of paragraph (2)(B), by striking "commercial end items" and inserting "end items that are commercial products";

(IV) in paragraphs (2)(B)(i), (2)(C)(i) and (2)(D), by striking "commercial items or commercial components" and inserting "commercial products, commercial components, or commercial services";

(V) in paragraph (2)(C), in the matter preceding clause (i), by striking "commercial items" and inserting "commercial products or commercial services";

(VI) in paragraph (4)(A), by striking "commercial items" and inserting "commercial products or commercial services";

(VII) in paragraph (4)(C)(i), by striking "commercial item, as described in section 103(5)" and inserting "commercial product, as described in section 103a(1)"; and

(VIII) in paragraph (5), by striking "items" each place it appears and inserting "products".

(B)(i) The heading of such section is amended to read as follows:

"§ 3307. Preference for commercial products and commercial services".

(ii) The table of sections at the beginning of chapter 33 is amended by striking the item relating to section 3307 and inserting the following new item:

"3307. Preference for commercial products and commercial services.".

(11) Section 3501 is amended—

(A) in subsection (a)—

(i) by striking paragraph (1);

(ii) by redesignating paragraphs (2) and (3) as paragraphs (1) and (2), respectively; and

(iii) in paragraph (2) (as so redesignated), by striking "commercial items" and inserting "commercial products or commercial services"; and

(B) in subsection (b)—

(i) by striking "ITEM" in the heading for paragraph (1); and

(ii) by striking "commercial items" in paragraphs (1) and (2)(A) and inserting "commercial services".

(12) Section 3503 is amended—

(A) in subsection (a)(2), by striking "a commercial item" and inserting "a commercial product or a commercial service"; and

(B) in subsection (b)—

(i) by striking "COMMERCIAL ITEMS" in the subsection heading and inserting "COMMERCIAL PRODUCTS OR COMMERCIAL SERVICES"; and

(ii) by striking "a commercial item" each place it appears and inserting "a commercial product or a commercial service".

(13) Section 3505(b) is amended by striking "commercial items" each place it appears and inserting "commercial products or commercial services".

(14) Section 3509(b) is amended by striking "commercial items" and inserting "commercial products or commercial services".

(15) Section 3704(c)(5) is amended by striking "commercial item" and inserting "commercial product".

(16) Section 3901(b)(3) is amended by striking "commercial items" and inserting "commercial products or commercial services".

(17) Section 4301(2) is amended by striking "commercial items" and inserting "commercial products or commercial services".

(18)(A) Section 4505 is amended by striking "commercial items" in subsections (a) and (c) and inserting "commercial products or commercial services".

(B)(i) The heading of such section is amended to read as follows:

"§ 4505. Payments for commercial products and commercial services".

(ii) The table of sections at the beginning of chapter 45 is amended by striking the item relating to section 4505 and inserting the following new item:

"4505. Payments for commercial products and commercial services.".

(19) Section 4704(d) is amended by striking "commercial items" both places it appears and inserting "commercial products or commercial services".

(20) Sections 8102(a)(1), 8703(d)(2), and 8704(b) are amended by striking "commercial items (as defined in section 103 of this title)" and inserting "commercial products or commercial services (as defined in sections 103 and 103a, respectively, of this title)".

(c) AMENDMENTS TO CHAPTER 137 OF TITLE 10, UNITED STATES CODE.—Chapter 137 of title 10, United States Code, is amended as follows:

(1) Section 2302(3) is amended—

(A) by redesignating subparagraphs (J), (K), and (L) as subparagraphs (K), (L), and (M); and

(B) by striking subparagraph (I) and inserting the following new subparagraphs (I) and (J):

"(I) The term 'commercial product'.

"(J) The term 'commercial service'.".

(2) Section 2304 is amended—

(A) in subsections (c)(5) and (f)(2)(B), by striking "brand-name commercial item" and inserting "brand-name commercial product";

(B) in subsection (g)(1)(B), by striking "commercial items" and inserting "commercial products or commercial services"; and

(C) in subsection (i)(3), by striking "commercial items" and inserting "commercial products".

(3) Section 2305 is amended—

(A) in subsection (a)(2), by striking "commercial items" and inserting "commercial products or commercial services"; and

(B) in subsection (b)(5)(B)(v), by striking "commercial item" and inserting "commercial product".

(4) Section 2306(b) is amended by striking "commercial items" and inserting "commercial products or commercial services".

(5) Section 2306a is amended—

(A) in subsection (b)—

(i) in paragraph (1)(B), by striking "a commercial item" and inserting "a commercial product or a commercial service";

(ii) in paragraph (2)—

(I) by striking "COMMERCIAL ITEMS" in the paragraph heading and inserting "COMMERCIAL PRODUCTS OR COMMERCIAL SERVICES"; and

(II) by striking "commercial item" each place it appears and inserting "commercial product or commercial services";

(iii) in paragraph (3)—

(I) by striking "COMMERCIAL ITEMS" in the paragraph heading and inserting "COMMERCIAL PRODUCTS"; and

(II) by striking "item" each place it appears and inserting "product"; and

(iv) in paragraph (4)—

(I) by striking "COMMERCIAL ITEM" in the paragraph heading and inserting "COMMERCIAL PRODUCT OR COMMERCIAL SERVICE";

(II) by striking "commercial item" in subparagraph (A) after "applying the";

(III) by striking "prior commercial item determination" in subparagraph (A) and inserting "prior commercial product or commercial service determination";

(IV) by striking "of such item" in subparagraph (A) and inserting "of such product or service";

(V) by striking "of an item previously determined to be a commercial item" in subparagraph (B) and inserting "of a product or service previously determined to be a commercial product or a commercial service";

(VI) by striking "of a commercial item," in subparagraph (B) and inserting "of a commercial

product or a commercial service, as the case may be,";

(VII) by striking "the commercial item determination" in subparagraph (B) and inserting "the commercial product or commercial service determination"; and

(VIII) by striking "commercial item" in subparagraph (C); and

(v) in paragraph (5), by striking "commercial items" and inserting "commercial products or commercial services";

(B) in subsection (d)(2), by striking "commercial items" each place it appears and inserting "commercial products or commercial services"; and

(C) in subsection (h)—

(i) in paragraph (2), by striking "commercial items" and inserting "commercial products or commercial services"; and

(ii) by striking paragraph (3).

(6) Section 2307(f) is amended—

(A) by striking "COMMERCIAL ITEMS" in the subsection heading and inserting "COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES"; and

(B) by striking "commercial items" in paragraphs (1) and (2) and inserting "commercial products and commercial services".

(7) Section 2320(b) is amended—

(A) in paragraph (1), by striking "a commercial item, the item" and inserting "a commercial product, the product"; and

(B) in paragraph (9)(A), by striking "any noncommercial item or process" and inserting "any noncommercial product or process".

(8) Section 2321(f) is amended—

(A) in paragraph (1)—

(i) by striking "commercial items" and inserting "commercial products"; and

(ii) by striking "the item" both places it appears and inserting "commercial products"; and

(B) in paragraph (2)(A), in clauses (i) and (ii), by striking "commercial item" and inserting "commercial product".

(9) Section 2324(l)(1)(A) is amended by striking "commercial items" and inserting "commercial products or commercial services".

(10) Section 2335(b) is amended by striking "commercial items" and inserting "commercial products and commercial services".

(d) AMENDMENTS TO CHAPTER 140 OF TITLE 10, UNITED STATES CODE.—Chapter 140 of title 10, United States Code, is amended as follows:

(1) Section 2375 is amended—

(A) in subsection (a), by striking "commercial item" in paragraphs (1) and (2) and inserting "commercial product or commercial service";

(B) in subsections (b) and (c)—

(i) by striking "COMMERCIAL ITEMS" in the subsection heading and inserting "COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES"; and

(ii) by striking "commercial items" each place it appears and inserting "commercial products and commercial services"; and

(C) in subsection (e)(3), by striking "commercial items" and inserting "commercial products and commercial services".

(2) Section 2376(1) is amended—

(A) by striking "terms 'commercial item'," and inserting "terms 'commercial product', 'commercial service',"; and

(B) by striking "chapter 1 of title 41" and inserting "sections 103, 103a, 110, 105, and 102, respectively, of title 41".

(3) Section 2377 is amended—

(A) in subsection (a)—

(i) in paragraph (2), by striking "commercial items or, to the extent that commercial items suitable to meet the agency's needs are not available, nondevelopmental items other than commercial items" and inserting "commercial services or commercial products or, to the extent that commercial products suitable to meet the agency's needs are not available, nondevelopmental items other than commercial products"; and

(ii) in paragraph (3), by striking "commercial items and nondevelopmental items other than commercial items" and inserting "commercial services, commercial products, and nondevelopmental items other than commercial products";

(B) in subsection (b)—

(i) in paragraphs (1) and (2), by striking "commercial items or nondevelopmental items other than commercial items" and inserting "commercial services, commercial products, or nondevelopmental items other than commercial products";

(ii) in paragraphs (3) and (4), by striking "commercial items or, to the extent that commercial items suitable to meet the agency's needs are not available, nondevelopmental items other than commercial items" and inserting "commercial services or commercial products or, to the extent that commercial products suitable to meet the agency's needs are not available, nondevelopmental items other than commercial products"; and

(iii) in paragraphs (5) and (6), by striking "commercial items" and inserting "commercial products and commercial services";

(C) in subsection (c)—

(i) in paragraph (2), by striking "commercial items or, to the extent that commercial items suitable to meet the agency's needs are not available, nondevelopmental items other than commercial items" and inserting "commercial services or commercial products or, to the extent that commercial products suitable to meet the

agency's needs are not available, nondevelopmental items other than commercial products"; and

(ii) in paragraph (4), by striking "items other than commercial items" and inserting "products other than commercial products or services other than commercial services";

(D) in subsection (d)—

(i) in the first sentence, by striking "commercial items" and inserting "commercial products or commercial services";

(ii) in paragraph (1), by striking "items" and inserting "products or services"; and

(iii) in paragraph (2), by striking "items" and inserting "products or services"; and

(E) in subsection (e)(1), by striking "commercial items" and inserting "commercial products and commercial services".

(4) Section 2379 is amended—

(A) by striking "COMMERCIAL ITEMS" in the headings of subsections (b) and (c) and inserting "COMMERCIAL PRODUCTS";

(B) in subsections (a)(1)(A), (b)(2), and (c)(1)(B), by striking ", as defined in section 103 of title 41"; and

(C) by striking "commercial item" and "commercial items" each place they appear and inserting "commercial product" and "commercial products", respectively.

(5) Section 2380 is amended—

(A) in subsection (a), by striking "commercial item determinations" in paragraphs (1) and (2) and inserting "commercial product and commercial service determinations"; and

(B) in subsection (b) (as added by section 848 of the National Defense Authorization Act for Fiscal Year 2018)—

(i) by striking "ITEM" in the subsection heading;

(ii) by striking "an item" each place it appears and inserting "a product or service";

(iii) by striking "item" after "using commercial" each place it appears;

(iv) by striking "prior commercial item determination" and inserting "prior commercial product or service determination";

(v) by striking "such item" and inserting "such product or service"; and

(vi) by striking "the item" both places it appears and inserting "the product or service".

(6) Section 2380a is amended—

(A) in subsection (a)—

(i) by striking "items and" and inserting "products and"; and

(ii) by striking "commercial items" and inserting "commercial products and commercial services, respectively,"; and

(B) in subsection (b), by striking "commercial items" and inserting "commercial services".

(7) Section 2380B is amended by striking "commercial item" and inserting "commercial product".

(8) AMENDMENTS TO HEADINGS, ETC.—

(A) The heading of such chapter is amended to read as follows:

"CHAPTER 140—PROCUREMENT OF COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES".

(B) The heading of section 2375 is amended to read as follows:

"§ 2375. Relationship of other provisions of law to procurement of commercial products and commercial services".

(C) The heading of section 2377 is amended to read as follows:

"§ 2377. Preference for commercial products and commercial services".

(D) The heading of section 2379 is amended to read as follows:

"§ 2379. Procurement of a major weapon system as a commercial product: requirement for prior determination by Secretary of Defense and notification to Congress".

(E) The heading of section 2380 is amended to read as follows:

"§ 2380. Commercial product and commercial service determinations by Department of Defense".

(F) The heading of section 2380a is amended to read as follows:

"§ 2380a. Treatment of certain products and services as commercial products and commercial services".

(G) Section 2380B is redesignated as section 2380b and the heading of that section is amended to read as follows:

"§ 2380b. Treatment of commingled items purchased by contractors as commercial products".

(H) The table of sections at the beginning of such chapter is amended to read as follows:

"2375. Relationship of other provisions of law to procurement of commercial products and commercial services.
"2376. Definitions.
"2377. Preference for commercial products and commercial services.
"2379. Procurement of a major weapon system as a commercial product: requirement for prior determination by Secretary of Defense and notification to Congress.
"2380. Commercial product and commercial service determinations by Department of Defense.
"2380a. Treatment of certain products and services as commercial products and commercial services.
"2380b. Treatment of commingled items purchased by contractors as commercial products.".

(e) OTHER AMENDMENTS TO TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is further amended as follows:

(1) Section 2226(b) is amended by striking "for services" and all that follows through "deliverable items" and inserting "for services or deliverable items".

(2) Section 2384(b)(2) is amended by striking "commercial items" and inserting "commercial products".

(3) Section 2393(d) is amended by striking "commercial items (as defined in section 103 of title 41)" and inserting "commercial products or commercial services (as defined in sections 103 and 103a, respectively, of title 41)".

(4) Section 2402(d) is amended—

(A) in paragraph (1), by striking "commercial items" both places it appears and inserting "commercial products or commercial services"; and

(B) in paragraph (2), by striking "the term" and all that follows and inserting "the terms 'commercial product' and 'commercial service' have the meanings given those terms in sections 103 and 103a, respectively, of title 41.".

(5) Section 2408(a)(4)(B) is amended by striking "commercial items (as defined in section 103 of title 41)" and inserting "commercial products or commercial services (as defined in sections 103 and 103a, respectively, of title 41)".

(6) Section 2410b(c) is amended by striking "commercial items" and inserting "commercial products".

(7) Section 2410g(d)(1) is amended by striking "Commercial items (as defined in section 103 of title 41)" and inserting "Commercial products or commercial services (as defined in sections 103 and 103a, respectively, of title 41)".

(8) Section 2447a is amended—

(A) in subsection (a)(2), by striking "commercial items and technologies" and inserting "commercial products and technologies"; and

(B) in subsection (c), by inserting before the period at the end the following: "and the term 'commercial product' has the meaning given that term in section 103 of title 41".

(9) Section 2451(d) is amended by striking "commercial items" and inserting "commercial products (as defined in section 103 of title 41)".

(10) Section 2464 is amended—

(A) in subsection (a)—

(i) in paragraph (3), by striking "commercial items" and inserting "commercial products or commercial services"; and

(ii) in paragraph (5), by striking "The commercial items covered by paragraph (3) are commercial items" and inserting "The commercial products or commercial services covered by paragraph (3) are commercial products (as defined in section 103 of title 41) or commercial services (as defined in section 103a of such title)"; and

(B) in subsection (c)—

(i) by striking "COMMERCIAL ITEMS" in the subsection heading and inserting "COMMERCIAL PRODUCTS OR COMMERCIAL SERVICES"; and

(ii) by striking "commercial item" and inserting "commercial product or commercial service".

(11) Section 2484(f) is amended—

(A) by striking "COMMERCIAL ITEMS" in the subsection heading and inserting "COMMERCIAL PRODUCTS"; and

(B) by striking "commercial item" and inserting "commercial product".

(12) The items relating to chapter 140 in the tables of chapters at the beginning of subtitle A, and at the beginning of part IV of subtitle A, are amended to read as follows:

"140. Procurement of Commercial Products and Commercial Services 2377".

(f) AMENDMENTS TO PROVISIONS OF NATIONAL DEFENSE AUTHORIZATION ACTS.—

(1) Section 806(b) of the National Defense Authorization Act for Fiscal Years 1992 and 1993 (Public Law 102–190; 10 U.S.C. 2302 note) is amended by striking "commercial items (as defined in section 103 of title 41, United States Code)" and inserting "commercial products or commercial services (as defined in sections 103 and 103a, respectively, of title 41, United States Code)".

(2) Section 821(e) of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (as enacted into law by Public Law 106–398; 10 U.S.C. 2302 note) is amended—

(A) by striking paragraph (2); and

(B) by redesignating paragraph (3) as paragraph (2).

(3) Section 821(b) of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 10 U.S.C. 2304 note) is amended—

(A) in paragraph (1), by striking "a commercial item" and inserting "a commercial product or a commercial service";

(B) in paragraph (2), by striking "commercial item" and inserting "commercial product"; and

(C) by adding at the end the following new paragraph:

"(3) The term 'commercial service' has the meaning provided by section 103a of title 41, United States Code.".

(4) Section 817(d) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 10 U.S.C. 2306a note) is amended—

(A) in paragraph (1), by striking "commercial item exceptions" and inserting "commercial product-commercial service exceptions"; and

(B) in paragraph (2), by striking "commercial item exception" and inserting "commercial product-commercial service exception";

(5) Section 852(b)(2)(A)(ii) of the National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 10 U.S.C. 2324 note) is amended by striking "a commercial item, as defined in section 103 of title 41" and inserting "a commercial product or a commercial service, as defined in sections 103 and 103a, respectively, of title 41".

(6) Section 805 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 10 U.S.C. 2330 note) is amended—

(A) in subsection (b), by striking "commercial items" in paragraphs (1) and (2)(A) and inserting "commercial services"; and

(B) in subsection (c)—

(i) by striking "ITEM" in the headings for paragraphs (1) and (2) and inserting "SERVICES";

(ii) in the matter in paragraph (1) preceding subparagraph (A), by striking "commercial item" and inserting "commercial service";

(iii) in paragraph (1)(A), by striking "a commercial item, as described in section 103(5) of title 41" and inserting "a service, as described in section 103a(1) of title 41";

(iv) in paragraph (1)(C)(i), by striking "section 103(6) of title 41" and inserting "section 103a(2) of title 41"; and

(v) in paragraph (2), by striking "item" and inserting "service".

(7) Section 849(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2377 note) is amended—

(A) by striking "commercial items" in paragraph (1) and inserting "commercial products";

(B) by striking "commercial item" in paragraph (3)(B)(i) and inserting "commercial product"; and

(C) by adding at the end the following new paragraph:

"(5) DEFINITION.—In this subsection, the term 'commercial product' has the meaning given that term in section 103 of title 41.".

(8) Section 856(a)(1) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2377 note) is amended by striking "commercial items or services" and inserting "a commercial product or a commercial service, as defined in sections 103 and 103a, respectively, of title 41,".

(9) Section 879 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2302 note) is amended—

*(A) in the section heading, by striking "**COMMERCIAL ITEMS**" and inserting "**COMMERCIAL PRODUCTS**";*

(B) in subsection (a), by striking "commercial items" and inserting "commercial products";

(C) in subsection (c)(3)—

(i) by striking "COMMERCIAL ITEMS" in the paragraph heading and inserting "COMMERCIAL PRODUCTS OR COMMERCIAL SERVICES"; and

(ii) by striking "commercial items" and inserting "commercial products or commercial services"; and

(D) in subsection (e)(2), by striking "item" in subparagraphs (A) and (B) and inserting "products".

(10) Section 880 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 41 U.S.C. 3301 note) is amended by striking "commercial items" in subsection (a)(1) and inserting "commercial products".

(g) CONFORMING AMENDMENTS TO OTHER STATUTES.—

(1) Section 604(g) of the American Recovery and Reinvestment Act of 2009 (6 U.S.C. 453b(g)) is amended—

(A) by striking "COMMERCIAL ITEMS" in the subsection heading and inserting "COMMERCIAL PRODUCTS";

(B) by striking "procurement of commercial" in the first sentence and all that follows through "items listed" and inserting "procurement of commercial products notwithstanding section 1906 of title 41, United States Code, with the exception of commercial products listed"; and

(C) in the second sentence—

(i) by inserting "product" after "commercial"; and

(ii) by striking "in the" and all that follows and inserting "in section 103 of title 41, United States Code.".

(2) Section 142 of the Higher Education Act of 1965 (20 U.S.C. 1018a) is amended—

(A) in subsection (e)—

(i) by striking "COMMERCIAL ITEMS" in the subsection heading and inserting "COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES";

(ii) by striking "that commercial items" and inserting "that commercial products or commercial services";

(iii) by striking "special rules for commercial items" and inserting "special rules for commercial products and commercial services";

(iv) by striking "without regard to—" and all that follows through "dollar limitation" and inserting "without regard to any dollar limitation";

(v) by striking "; and" and inserting a period; and

(vi) by striking paragraph (2);

(B) in subsection (f)—

(i) by striking "ITEMS" in the subsection heading and inserting "PRODUCTS AND SERVICES";

(ii) by striking "ITEMS" in the heading of paragraph (2) and inserting "PRODUCTS AND SERVICES"; and

(iii) by striking "a commercial item" in paragraph (2) and inserting "a commercial product or a commercial service";

(C) in subsection (h)—

(i) by striking "ITEMS" in the subsection heading and inserting "SERVICES"; and

(ii) by striking "commercial items" in paragraph (1) and inserting "commercial services"; and

(D) in subsection (l)—

(i) by redesignating paragraphs (2), (3), (4), and (5) as paragraphs (3), (4), (5), and (6), respectively;

(ii) by striking paragraph (1) and inserting the following new paragraphs:

"(1) COMMERCIAL PRODUCT.—The term 'commercial product' has the meaning given the term in section 103 of title 41, United States Code.

"(2) COMMERCIAL SERVICE.—The term 'commercial service' has the meaning given the term in section 103a of title 41, United States Code.";

(iii) in paragraph (3), as so redesignated, by striking "in section" and all that follows and inserting "in section 152 of title 41, United States Code.";

(iv) in paragraph (5), as so redesignated—

(I) by striking "COMMERCIAL ITEMS" in the paragraph heading and inserting "COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES";

(II) by striking "commercial items" and inserting "commercial products and commercial services"; and

(III) by striking "pursuant to" and all that follows and inserting "pursuant to sections 1901 and 3305(a) of title 41, United States Code."; and

(v) in paragraph (6), as so redesignated, by striking "pursuant to" and all that follows and inserting "pursuant to sections 1901(a)(1) and 3305(a)(1) of title 41, United States Code.".

(3) Section 3901(a)(4)(A)(ii)(II) of title 31, United States Code, is amended by striking "commercial item" and inserting "commercial product".

(4) Section 2455(c)(1) of the Federal Acquisition Streamlining Act of 1994 (31 U.S.C. 6101 note) is amended by striking "commercial items" and inserting "commercial products".

(5) Section 508(f) of the Federal Water Pollution Control Act (33 U.S.C. 1368(f)) is amended—

(A) in paragraph (1), by striking "commercial items" and inserting "commercial products or commercial services"; and

(B) in paragraph (2), by striking "the term" and all that follows and inserting "the terms 'commercial product' and 'commercial service' have the meanings given those terms in sections 103 and 103a, respectively, of title 41, United States Code.".

(6) Section 3707 of title 40, United States Code, is amended by striking "a commercial item (as defined in section 103 of title 41)" and inserting "a commercial product (as defined in section 103 of title 41) or a commercial service (as defined in section 103a of title 41)".

(7) Subtitle III of title 40, United States Code, is amended—

(A) in section 11101(1), by striking "COMMERCIAL ITEM.—The term 'commercial item' has" and inserting "COMMERCIAL PRODUCT.—The term 'commercial product' has"; and

(B) in section 11314(a)(3), by striking "items" each place it appears and inserting "products".

(8) Section 8301(g) of the Federal Acquisition Streamlining Act of 1994 (42 U.S.C. 7606 note) is amended by striking "commercial items" and inserting "commercial products or commercial services".

(9) Section 40118(f) of title 49, United States Code, is amended—

(A) in paragraph (1), by striking "commercial items" and inserting "commercial products"; and

(B) in paragraph (2), by striking "commercial item" and inserting "commercial product".

(10) Chapter 501 of title 51, United States Code, is amended—

(A) in section 50113(c)—

(i) by striking "COMMERCIAL ITEM" in the subsection heading and inserting "COMMERCIAL PRODUCT OR COMMERCIAL SERVICE"; and

(ii) by striking "commercial item" in the second sentence and inserting "commercial product or commercial service"; and

(B) in section 50115(b)—

(i) by striking "COMMERCIAL ITEM" in the subsection heading and inserting "COMMERCIAL PRODUCT OR COMMERCIAL SERVICE"; and

(ii) by striking "commercial item" in the second sentence and inserting "commercial product or commercial service"; and

(C) in section 50132(a)—

(i) by striking "COMMERCIAL ITEM" in the subsection heading and inserting "COMMERCIAL SERVICE"; and

(ii) by striking "commercial item" in the second sentence and inserting "commercial service".

(h) EFFECTIVE DATE AND SAVINGS PROVISION.—The amendments made by subsections (a) through (g) shall take effect on January 1, 2020. Any provision of law that on the day before such effective date is on a list of provisions of law included in the Federal Acquisition Regulation pursuant to section 1907 of title 41, United States Code, shall be deemed as of that effective date to be on a list of provisions of law included in the Federal Acquisition Regulation pursuant to section 1906 of such title.

(i) IMPLEMENTATION PLAN REQUIRED.—Not later than April 1, 2019, the Under Secretary of Defense for Acquisition and Sustainment, in coordination with members of the Defense Business Board, the Defense Science Board, and the Defense Innovation Board as appropriate, shall submit to the Committees on Armed Services of the Senate and the House of Representatives an implementation plan that contains the following elements:

(1) An implementation timeline and schedule, to include substantive, technical, and conforming changes to the law that the Under Secretary deems appropriate and necessary, to include revising definitions or categories of items, products, and services.

(2) A review of recommendations by the independent panel created under section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 889) pertaining to commercial items.

(3) A review of commercial item provisions from the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92), the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), and other relevant legislation.

(4) An analysis of the extent to which the Department of Defense should treat commercial service contracts and commercial products in a similar manner.

(5) Such other matters with respect to commercial item procurement as the Under Secretary considers appropriate.

SEC. 837. LIMITATION ON APPLICABILITY TO DEPARTMENT OF DEFENSE COMMERCIAL CONTRACTS OF CERTAIN PROVISIONS OF LAW.

(a) SECTION 2375.—Section 2375(b)(2) of title 10, United States Code, is amended by striking "January 1, 2015" and inserting "October 13, 1994".

(b) SECTION 2533A.—Section 2533a(i) of such title is amended—

(1) in the subsection heading, by striking "ITEMS" and inserting "PRODUCTS"; and

(2) by striking "commercial items" and inserting "commercial products".

(c) SECTION 2533B.—Section 2533b(h) of such title is amended—

(1) in the subsection heading, by striking "ITEMS" and inserting "PRODUCTS"; and

(2) by striking "commercial items" each place it appears and inserting "commercial products".

SEC. 838. MODIFICATIONS TO PROCUREMENT THROUGH COMMERCIAL E-COMMERCE PORTALS.

(a) IN GENERAL.—Section 846 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 41 U.S.C. 1901 note) is amended—

(1) in subsection (f), by adding at the end the following new paragraph:

"(5) A procurement of a product made through a commercial e-commerce portal under the program established pursuant to subsection (a) is deemed to satisfy requirements for full and open competition pursuant to section 2304 of title 10, United States Code, and section 3301 of title 41, United States Code, if—

"(A) there are offers from two or more suppliers of such a product or similar product with substantially the same physical, functional, or performance characteristics on the online marketplace; and

"(B) the Administrator establishes procedures to implement subparagraph (A) and notifies Congress at least 30 days before implementing such procedures."; and

(2) in subsection (h), by striking paragraph (3) and inserting the following:

"(3) agree not to use, for pricing, marketing, competitive, or other purposes, any information, including any Government-owned data, such as purchasing trends or spending habits, related to a product from a third-party supplier featured on the commercial e-commerce portal or the transaction of such product, except as necessary to comply with the requirements of the program established in subsection (a).".

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the implementation of any e-commerce portal under such section 846 to procure commercial products will be done

in a manner that will enhance competition, expedite procurement, and ensure reasonable pricing of commercial products;

(2) the implementation of the e-commerce portal will be completed with multiple contracts with multiple commercial e-commerce portal providers; and

(3) the Administrator of the General Services Administration should require any e-commerce portal provider to take the necessary precautions to safeguard data of all other e-commerce portal providers and any third-party suppliers.

SEC. 839. REVIEW OF FEDERAL ACQUISITION REGULATIONS ON COMMERCIAL PRODUCTS, COMMERCIAL SERVICES, AND COMMERCIALLY AVAILABLE OFF-THE-SHELF ITEMS.

(a) REVIEW OF DETERMINATIONS NOT TO EXEMPT CONTRACTS FOR COMMERCIAL PRODUCTS, COMMERCIAL SERVICES, AND COMMERCIALLY AVAILABLE OFF-THE-SHELF ITEMS FROM CERTAIN LAWS AND REGULATIONS.—Not later than one year after the date of the enactment of this Act, the Federal Acquisition Regulatory Council shall—

(1) review each determination of the Federal Acquisition Regulatory Council pursuant to section 1906(b)(2), section 1906(c)(3), or section 1907(a)(2) of title 41, United States Code, not to exempt contracts or subcontracts from laws which such contracts and subcontracts would otherwise be exempt from under section 1906(d) of title 41, United States Code; and

(2) propose revisions to the Federal Acquisition Regulation to provide an exemption from each law subject to such determination unless the Council determines that there is a specific reason not to provide the exemptions pursuant to section 1906 of such title or the Administrator for Federal Procurement Policy determines there is a specific reason not to provide the exemption pursuant to section 1907 of such title.

(b) REVIEW OF CERTAIN CONTRACT CLAUSE REQUIREMENTS APPLICABLE TO COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES CONTRACTS.—Not later than one year after the date of the enactment of this Act, the Federal Acquisition Regulatory Council shall—

(1) review the Federal Acquisition Regulation to assess all regulations that require a specific contract clause for a contract using commercial product or commercial services acquisition procedures under part 12 of the Federal Acquisition Regulation, except for regulations required by law or Executive order; and

(2) propose revisions to the Federal Acquisition Regulation to eliminate regulations reviewed under paragraph (1) unless the Federal Acquisition Regulatory Council determines on a case-by-case basis that there is a specific reason not to eliminate the regulation.

(c) ELIMINATION OF CERTAIN CONTRACT CLAUSE REGULATIONS APPLICABLE TO COMMERCIALLY AVAILABLE OFF-THE-SHELF ITEM SUBCONTRACTS.—Not later than one year after the date of the enactment of this Act, the Federal Acquisition Regulatory Council shall—

(1) review the Federal Acquisition Regulation to assess all regulations that require a prime contractor to include a specific contract clause in a subcontract for commercially available off-the-shelf items unless the inclusion of such clause is required by law or Executive order; and

(2) propose revisions to the Federal Acquisition Regulation to eliminate regulations reviewed under paragraph (1) unless

the Federal Acquisition Regulatory Council determines on a case-by-case basis that there is a specific reason not to eliminate the regulation.

(d) REPORT TO CONGRESS.—

(1) REQUIREMENT.—Not later than one year after the date of the enactment of this Act, the Federal Acquisition Regulatory Council shall submit to the committees listed in paragraph (2) a report on the results of the reviews under this section.

(2) COMMITTEES LISTED.—The committees listed in this paragraph are the following:

(A) The Committee on Armed Services and the Committee on Homeland Security and Governmental Affairs of the Senate.

(B) The Committee on Armed Services and the Committee on Oversight and Government Reform of the House of Representatives.

Subtitle E—Industrial Base Matters

SEC. 841. REPORT ON LIMITED SOURCING OF SPECIFIC COMPONENTS FOR NAVAL VESSELS.

(a) REPORT REQUIRED.—Not later than March 1, 2019, the Secretary of the Navy shall submit to the congressional defense committees a report that provides, for the components described in subsection (b), a market survey, a cost assessment, national security considerations, and a recommendation regarding whether competition for the procurement of the components should be limited to sources in the national technology and industrial base (as defined in section 2500 of title 10, United States Code).

(b) COMPONENTS.—The components described in this subsection are the following:

(1) Naval vessel components listed in section 2534(a)(3) of title 10, United States Code.

(2) The following components for auxiliary ships:

(A) Auxiliary equipment, including pumps.

(B) Propulsion system components, including engines, reduction gears, and propellers.

(C) Shipboard cranes.

(D) Spreaders for shipboard cranes.

SEC. 842. REMOVAL OF NATIONAL INTEREST DETERMINATION REQUIREMENTS FOR CERTAIN ENTITIES.

(a) IN GENERAL.—Effective October 1, 2020, a covered NTIB entity operating under a special security agreement pursuant to the National Industrial Security Program shall not be required to obtain a national interest determination as a condition for access to proscribed information.

(b) ACCELERATION AUTHORIZED.—Notwithstanding the effective date of this section, the Secretary of Defense, in consultation with the Director of the Information Security Oversight Office, may waive the requirement to obtain a national interest determination for a covered NTIB entity operating under such a special security agreement that has—

(1) a demonstrated successful record of compliance with the National Industrial Security Program; and

(2) previously been approved for access to proscribed information.

(c) DEFINITIONS.—In this section:

(1) COVERED NTIB ENTITY.—The term "covered NTIB entity" means a person that is a subsidiary located in the United States—

(A) for which the ultimate parent company and any intermediate parent companies of such subsidiary are located in a country that is part of the national technology and industrial base (as defined in section 2500 of title 10, United States Code); and

(B) that is subject to the foreign ownership, control, or influence requirements of the National Industrial Security Program.

(2) PROSCRIBED INFORMATION.—The term "proscribed information" means information that is—

(A) classified at the level of top secret;

(B) communications security information (excluding controlled cryptographic items when un-keyed or utilized with unclassified keys);

(C) restricted data (as defined in section 11 of the Atomic Energy Act of 1954 (42 U.S.C. 2014));

(D) special access program information under section 4.3 of Executive Order No. 13526 (75 Fed. Reg. 707; 50 U.S.C. 3161 note) or successor order; or

(E) designated as sensitive compartmented information.

SEC. 843. PILOT PROGRAM TO TEST MACHINE-VISION TECHNOLOGIES TO DETERMINE THE AUTHENTICITY AND SECURITY OF MICROELECTRONIC PARTS IN WEAPON SYSTEMS.

(a) PILOT PROGRAM AUTHORIZED.—The Undersecretary of Defense for Research and Engineering, in coordination with the Defense Microelectronics Activity, shall establish a pilot program to test the feasibility and reliability of using machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems.

(b) OBJECTIVES OF PILOT PROGRAM.—The Undersecretary of Defense for Research and Engineering, in coordination with the Defense Microelectronics Activity, shall design any pilot program conducted under this section to determine the following:

(1) The effectiveness and technology readiness level of machine-vision technologies to determine the authenticity of microelectronic parts at the time of the creation of such part through final insertion of such part into weapon systems.

(2) The best method of incorporating machine-vision technologies into the process of developing, transporting, and inserting microelectronics into weapon systems.

(3) The rules, regulations, or processes that hinder the development and incorporation of machine-vision technologies, and the application of such rules, regulations, or processes to mitigate counterfeit microelectronics proliferation throughout the Department of Defense.

(c) CONSULTATION.—To develop the pilot program under this section, the Undersecretary of Defense for Research and Engineering, in coordination with the Defense Microelectronics Activity, may consult with the following entities:

(1) Manufacturers of semiconductors or electronics.

(2) Industry associations relating to semiconductors or electronics.

(3) Original equipment manufacturers of products for the Department of Defense.

(4) Nontraditional defense contractors (as defined in section 2302(9) of title 10, United States Code) that are machine vision companies.

(5) Federal laboratories (as defined in section 2500(5) of title 10, United States Code).

(6) Other elements of the Department of Defense that fall under the authority of the Undersecretary of Defense for Research and Engineering.

(d) COMMENCEMENT AND DURATION.—The pilot program established under this section shall be established not later than April 1, 2019, and all activities under such pilot program shall terminate not later than December 31, 2020.

SEC. 844. LIMITATION ON CERTAIN PROCUREMENTS APPLICATION PROCESS.

(a) IN GENERAL.—Section 2534 of title 10, United States Code, is amended by adding at the end the following new subsections:

"(k) LIMITATION ON CERTAIN PROCUREMENTS APPLICATION PROCESS.—

"(1) IN GENERAL.—The Secretary of Defense shall administer a process to analyze and assess potential items for consideration to be required to be procured from a manufacturer that is part of the national technology and industrial base.

"(2) ELEMENTS.—The application process required under paragraph (1) shall include the following elements:

"(A) The Secretary shall designate an official within the Office of the Secretary of Defense responsible for administration of the limitation on certain procurements application process and associated policy.

"(B) A person or organization that meets the definition of national technology and industrial base under section 2500(1) of this title shall have the opportunity to apply for status as an item required to be procured from a manufacturer that is part of the national technology and industrial base. The application shall include, at a minimum, the following information:

"(i) Information demonstrating the applicant meets the criteria of a manufacturer in the national technology and industrial base under section 2500(1) of this title.

"(ii) For each item the applicant seeks to be required to be procured from a manufacturer that is part of the national technology and industrial base, the applicant shall include the following information:

"(I) The extent to which such item has commercial applications.

"(II) The number of such items to be procured by current programs of record.

"(III) The criticality of such item to a military unit's mission accomplishment.

"(IV) The estimated cost and other considerations of reconstituting the manufacturing capa-

bility of such item, if not maintained in the national technology and industrial base.

"(V) National security regulations or restrictions imposed on such item that may not be imposed on a non-national technology and industrial base competitor.

"(VI) Non-national security-related Federal, State, and local government regulations imposed on such item that may not be imposed on a non-national technology and industrial base competitor.

"(VII) The extent to which such item is fielded in current programs of record.

"(VIII) The extent to which cost and pricing data for such item has been deemed fair and reasonable.

"(3) CONSIDERATION OF APPLICATIONS.—

"(A) RESPONSIBILITY OF DESIGNATED OFFICIAL.—The official designated pursuant to paragraph (2)(A) shall be responsible for providing complete applications submitted pursuant to this subsection to the appropriate component acquisition executive for consideration not later than 15 days after receipt of such application.

"(B) REVIEW.—Not later than 120 days after receiving a complete application, the component acquisition executive shall review such application, make a determination, and return the application to the official designated pursuant to paragraph (2)(A).

"(C) ELEMENTS OF DETERMINATION.—The determination required under subparagraph (B) shall, for each item proposed pursuant to paragraph (2)(B)(ii)—

"(i) recommend inclusion under this section;

"(ii) recommend inclusion under this section with further modifications; or

"(iii) not recommend inclusion under this section.

"(D) JUSTIFICATION.—The determination required under subparagraph (B) shall also include the rationale and justification for the determination.

"(4) RECOMMENDATIONS FOR LEGISLATION.—For applications recommended under subsection (3), the official designated pursuant to paragraph (2)(A) shall be responsible for preparing a legislative proposal for consideration by the Secretary.".

(b) EFFECTIVE DATE.—This section and the amendments made by this section shall take effect one year after the date of the enactment of this Act.

SEC. 845. REPORT ON DEFENSE ELECTRONICS INDUSTRIAL BASE.

(a) IN GENERAL.—Not later than January 31, 2019, the Secretary of Defense, in consultation with the Executive Agent for Printed Circuit Board and Interconnect Technology and the Director of the Office of Management and Budget, shall submit to Congress a report examining the health of the defense electronics industrial base, including analog and passive electronic parts, substrates, printed boards, assemblies, connectors, cabling, and related areas, both domestically and within the national technology and industrial base.

(b) ELEMENTS.—The report required under subsection (a) shall include the following elements:

(1) An examination of current and planned partnerships with the commercial industry.

(2) Analysis of the current and future defense electronics industrial base.

(3) Threat assessment related to system security.

(4) An assessment of the health of the engineering and production workforce.

(5) A description of the electronics supply chain requirements of defense systems integral to meeting the goals of the 2018 National Defense Strategy.

(6) Recommended actions to address areas deemed deficient or vulnerable, and a plan to formalize long-term resourcing for the Executive Agent.

(7) Any other areas matters determined relevant by the Secretary.

SEC. 846. SUPPORT FOR DEFENSE MANUFACTURING COMMUNITIES TO SUPPORT THE DEFENSE INDUSTRIAL BASE.

(a) PROGRAM AUTHORIZED.—

(1) IN GENERAL.—The Secretary of Defense may, in coordination with the Secretary of Commerce and working in coordination with the defense manufacturing institutes, establish within the Department of Defense a program to make long-term investments in critical skills, facilities, research and development, and small business support in order to strengthen the national security innovation base by designating and supporting consortiums as defense manufacturing communities.

(2) DESIGNATION.—The program authorized by this section shall be known as the "Defense Manufacturing Community Support Program" (in this section referred to as the "Program").

(b) DESIGNATION OF DEFENSE MANUFACTURING COMMUNITIES COMPLEMENTARY TO DEFENSE MANUFACTURING INSTITUTES.—

(1) IN GENERAL.—The Secretary of Defense may designate eligible consortiums as defense manufacturing communities through a competitive process, and in coordination with the defense manufacturing institutes.

(2) ELIGIBLE CONSORTIUMS.—The Secretary may establish eligibility criteria for a consortium to participate in the Program. In developing such criteria, the Secretary may consider the merits of—

(A) including members from academia, defense industry, commercial industry, and State and local government organizations;

(B) supporting efforts in geographical regions that have capabilities in key technologies or industrial base supply chains that are determined critical to national security;

(C) optimal consortium composition and size to promote effectiveness, collaboration, and efficiency; and

(D) complementarity with defense manufacturing institutes.

(3) DURATION.—Each designation under paragraph (1) shall be for a period of five years.

(4) RENEWAL.—

(A) IN GENERAL.—The Secretary may renew a designation made under paragraph (1) for up to two additional two-year periods. Any designation as a defense manufacturing community or renewal of such designation that is in effect before the date of the enactment of this Act shall count toward the limit set forth in this subparagraph.

(B) EVALUATION FOR RENEWAL.—The Secretary shall establish criteria for the renewal of a consortium. In establishing such criteria, the Secretary may consider—

(i) the performance of the consortium in meeting the established goals of the Program;

(ii) the progress the consortium has made with respect to project-specific metrics, particularly with respect to those metrics that were designed to help communities track their own progress;

(iii) whether any changes to the composition of the eligible consortium or revisions of the plan for the consortium would improve the capabilities of the defense industrial base;

(iv) the effectiveness of coordination with defense manufacturing institutes; and

(v) such other criteria as the Secretary considers appropriate.

(5) APPLICATION FOR DESIGNATION.—An eligible consortium seeking a designation under paragraph (1) shall submit an application to the Secretary at such time and in such manner as the Secretary may require. In developing such procedures, the Secretary may consider the inclusion of—

(A) a description of the regional boundaries of the consortium, and the defense manufacturing capacity of the region;

(B) an evidence-based plan for enhancing the defense industrial base through the efforts of the consortium;

(C) the investments the consortium proposes and the strategy of the consortium to address gaps in the defense industrial base;

(D) a description of the outcome-based metrics, benchmarks, and milestones that will track and the evaluation methods that will be used to gauge performance of the consortium;

(E) how the initiatives will complement defense manufacturing institutes; and

(F) such other matters as the Secretary considers appropriate.

(c) FINANCIAL AND TECHNICAL ASSISTANCE.—

(1) IN GENERAL.—Under the Program, the Secretary of Defense may award financial or technical assistance to a member of a consortium designated as a defense manufacturing community under the Program as appropriate for purposes of the Program.

(2) USE OF FUNDS.—A recipient of financial or technical assistance under the Program may use such financial or technical assistance to support an investment that will improve the defense industrial base.

(3) INVESTMENTS SUPPORTED.—Investments supported under this subsection may include activities not already provided for by defense manufacturing institutes on—

(A) equipment or facility upgrades;

(B) workforce training, retraining, or recruitment and retention, including that of women and underrepresented minorities;

(C) business incubators;

(D) advanced research and commercialization, including with Federal laboratories and depots;

(E) supply chain development; and

(F) small business assistance.

(d) RECEIPT OF TRANSFERRED FUNDS.—The Secretary of Defense may accept amounts transferred to the Secretary from the head of another agency or a State or local governmental organization to carry out this section.

SEC. 847. LIMITATION ON PROCUREMENT OF CERTAIN ITEMS FOR T–AO–205 PROGRAM.

Effective during fiscal year 2019, the Secretary of Defense may procure the following items for the T–AO–205 program only if the manufacturer of the item is in the United States:

(1) Auxiliary equipment, including pumps, for all shipboard services.

(2) Propulsion system components, including engines, reduction gears, and propellers.

(3) Shipboard cranes.

(4) Spreaders for shipboard cranes.

Subtitle F—Small Business Matters

SEC. 851. DEPARTMENT OF DEFENSE SMALL BUSINESS STRATEGY.

(a) IN GENERAL.—Chapter 136 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2283. Department of Defense small business strategy

"(a) IN GENERAL.—The Secretary of Defense shall implement a small business strategy for the Department of Defense that meets the requirements of this section.

"(b) UNIFIED MANAGEMENT STRUCTURE.—As part of the small business strategy described in subsection (a), the Secretary shall ensure that there is a unified management structure within the Department for the functions of the Department relating to—

"(1) programs and activities related to small business concerns (as defined in section 3 of the Small Business Act);

"(2) manufacturing and industrial base policy; and

"(3) any procurement technical assistance program established under chapter 142 of this title.

"(c) PURPOSE OF SMALL BUSINESS PROGRAMS.—The Secretary shall ensure that programs and activities of the Department of Defense related to small business concerns are carried out so as to further national defense programs and priorities and the statements of purpose for Department of Defense acquisition set forth in section 801 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1449).

"(d) POINTS OF ENTRY INTO DEFENSE MARKET.—The Secretary shall ensure—

"(1) that opportunities for small business concerns to contract with the Department of Defense are identified clearly; and

"(2) that small business concerns are able to have access to program managers, contracting officers, and other persons using the products or services of such concern to the extent necessary to inform such persons of emerging and existing capabilities of such concerns.

"(e) ENHANCED OUTREACH UNDER PROCUREMENT TECHNICAL ASSISTANCE PROGRAM MARKET.—The Secretary shall enable and promote activities to provide coordinated outreach to small business concerns through any procurement technical assistance program established under chapter 142 of this title to facilitate small business contracting with the Department of Defense.".

(b) IMPLEMENTATION.—

(1) DEADLINE.—The Secretary of Defense shall develop the small business strategy required by section 2283 of title 10, United States Code, as added by subsection (a), not later than 180 days after the date of the enactment of this Act.

(2) NOTICE TO CONGRESS AND PUBLICATION.—Upon completion of the development of the small business strategy pursuant to paragraph (1), the Secretary shall—

(A) transmit the strategy to Congress; and

(B) publish the strategy on a public website of the Department of Defense.

(c) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

"2283. Department of Defense small business strategy.".

SEC. 852. PROMPT PAYMENTS OF SMALL BUSINESS CONTRACTORS.

Section 2307(a) of title 10, United States Code, is amended—

(1) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively;

(2) by striking "The head of any agency may—" and inserting "(1) The head of any agency may"; and

(3) by adding at the end the following new paragraph:

"(2)(A) For a prime contractor (as defined in section 8701 of title 41) that is a small business concern (as defined in section 3 of the Small Business Act (15 U.S.C. 632)), the Secretary of Defense shall, to the fullest extent permitted by law, establish an accelerated payment date with a goal of 15 days after receipt of a proper invoice for the amount due if a specific payment date is not established by contract.

"(B) For a prime contractor that subcontracts with a small business concern, the Secretary of Defense shall, to the fullest extent permitted by law, establish an accelerated payment date with a goal of 15 days after receipt of a proper invoice for the amount due if—

"(i) a specific payment date is not established by contract; and

"(ii) the prime contractor agrees to make payments to the subcontractor in accordance with the accelerated payment date, to the maximum extent practicable, without any further consideration from or fees charged to the subcontractor.".

SEC. 853. INCREASED PARTICIPATION IN THE SMALL BUSINESS ADMINISTRATION MICROLOAN PROGRAM.

(a) DEFINITIONS.—In this section:

(1) The term "intermediary" has the meaning given that term in section 7(m)(11) of the Small Business Act (15 U.S.C. 636(m)(11)).

(2) The term "microloan program" means the program established under section 7(m) of the Small Business Act (15 U.S.C. 636(m)).

(b) MICROLOAN INTERMEDIARY LENDING LIMIT INCREASED.—Section 7(m)(3)(C) of the Small Business Act (15 U.S.C. 636(m)(3)(C)) is amended by striking "$5,000,000" and inserting "$6,000,000".

(c) SBA STUDY OF MICROENTERPRISE PARTICIPATION.—Not later than one year after the date of the enactment of this section, the Administrator of the Small Business Administration shall conduct a study and submit to the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Small Business of the House of Representatives a report on—

(1) the operations (including services provided, structure, size, and area of operation) of a representative sample of—

(A) intermediaries that are eligible to participate in the microloan program and that do participate; and

(B) intermediaries that are eligible to participate in the microloan program and that do not participate;

(2) the reasons why eligible intermediaries described in paragraph (1)(B) choose not to participate in the microloan program;

(3) recommendations on how to encourage increased participation in the microloan program by eligible intermediaries described in paragraph (1)(B); and

(4) recommendations on how to decrease the costs associated with participation in the microloan program for eligible intermediaries.

(d) GAO STUDY ON MICROLOAN INTERMEDIARY PRACTICES.—Not later than one year after the date of the enactment of this section, the Comptroller General of the United States shall submit to the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Small Business of the House of Representatives a report evaluating—

(1) oversight of the microloan program by the Small Business Administration, including oversight of intermediaries participating in the microloan program; and

(2) the specific processes used by the Small Business Administration to ensure—

(A) compliance by intermediaries participating in the microloan program; and

(B) the overall performance of the microloan program.

SEC. 854. AMENDMENTS TO SMALL BUSINESS INNOVATION RESEARCH PROGRAM AND SMALL BUSINESS TECHNOLOGY TRANSFER PROGRAM.

(a) EXTENSION OF PILOT PROGRAMS.—Section 9 of the Small Business Act (15 U.S.C. 638) is amended—

(1) in subsection (cc), by striking "2017" and inserting "2022";

(2) in subsection (gg)(7), by striking "2017" and inserting "2022";

(3) in subsection (jj)—

(A) in paragraph (4)(A), by striking "3" and inserting "4"; and

(B) in paragraph (7), by striking "2017" and inserting "2022";

(4) in subsection (mm)—

(A) in paragraph (1)—

(i) in the matter preceding subparagraph (A), by striking "2017" and inserting "2022";

(ii) in subparagraph (I), by striking "and" at the end;

(iii) in subparagraph (J), by striking the period at the end and inserting "; and"; and

(iv) by adding at the end the following:

"(K) funding for improvements that increase commonality across data systems, reduce redundancy, and improve data oversight and accuracy."; and

(5) by adding at the end the following:

"(tt) OUTSTANDING REPORTS AND EVALUATIONS.—

"(1) IN GENERAL.—Not later than March 30, 2019, the Administrator shall submit to the Committee on Small Business and Entrepreneurship of the Senate, the Committee on Small Business of the House of Representatives, and the Committee on Science, Space, and Technology of the House of Representatives—

"(A) each report, evaluation, or analysis, as applicable, described in subsection (b)(7), (g)(9), (o)(10), (y)(6)(C), (gg)(6), (jj)(6), and (mm)(6); and

"(B) metrics regarding, and an evaluation of, the authority provided to the National Institutes of Health, the Department of Defense, and the Department of Education under subsection (cc).

"(2) INFORMATION REQUIRED.—Not later than December 31, 2018, the head of each agency that is responsible for carrying out a provision described in subparagraph (A) or (B) of paragraph (1) shall submit to the Administrator any information that is necessary for the Administrator to carry out the responsibilities of the Administrator under that paragraph.".

(b) ACCELERATING SBIR AND STTR AWARDS.—Section 9 of the Small Business Act (15 U.S.C. 638) is amended—

(1) in subsection (hh)—

(A) by striking "Federal agencies" and inserting the following:

"(1) IN GENERAL.—Federal agencies";

(B) in paragraph (1), as so designated, by striking "attempt to"; and

(C) by adding at the end the following:

"(2) PILOT PROGRAM TO ACCELERATE DEPARTMENT OF DEFENSE SBIR AND STTR AWARDS.—

"(A) IN GENERAL.—Not later than 1 year after the date of enactment of this paragraph, the Under Secretary of Defense for Research and Engineering, acting through the Director of Defense Procurement and Acquisition Policy of the

Department of Defense, shall establish a pilot program to reduce the time for awards under the SBIR and STTR programs of the Department of Defense, under which the Department of Defense shall—

"(i) develop simplified and standardized procedures and model contracts throughout the Department of Defense for Phase I, Phase II, and Phase III SBIR awards;

"(ii) for Phase I SBIR and STTR awards, reduce the amount of time between solicitation closure and award;

"(iii) for Phase II SBIR and STTR awards, reduce the amount of time between the end of a Phase I award and the start of the Phase II award;

"(iv) for Phase II SBIR and STTR awards that skip Phase I, reduce the amount of time between solicitation closure and award;

"(v) for sequential Phase II SBIR and STTR awards, reduce the amount of time between Phase II awards; and

"(vi) reduce the award times described in clauses (ii), (iii), (iv), and (v) to be as close to 90 days as possible.

"(B) CONSULTATION.—In carrying out the pilot program under subparagraph (A), the Director of Defense Procurement and Acquisition Policy of the Department of Defense shall consult with the Director of the Office of Small Business Programs of the Department of Defense.

"(C) TERMINATION.—The pilot program under subparagraph (A) shall terminate on September 30, 2022."; and

(2) in subsection (ii)—

(A) by striking "Federal agencies" and inserting the following:

"(1) IN GENERAL.—Federal agencies"; and

(B) by adding at the end the following:

"(2) COMPTROLLER GENERAL REPORTS.—The Comptroller General of the United States shall submit to the Committee on Small Business and Entrepreneurship of the Senate, the Committee on Armed Services of the Senate, the Committee on Small Business of the House of Representatives, and the Committee on Armed Services of the House of Representatives—

"(A) not later than 1 year after the date of enactment of this paragraph, and every year thereafter for 3 years, a report that—

"(i) provides the average and median amount of time that each component of the Department of Defense with an SBIR or STTR program takes to review and make a final decision on proposals submitted under the program; and

"(ii) compares that average and median amount of time with that of other Federal agencies participating in the SBIR or STTR program; and

"(B) not later than December 5, 2021, a report that—

"(i) includes the information described in subparagraph (A);

"(ii) assesses where each Federal agency participating in the SBIR or STTR program needs improvement with respect to the proposal review and award times under the program;

"(iii) identifies best practices for shortening the proposal review and award times under the SBIR and STTR programs, including the pros and cons of using contracts compared to grants; and

"(iv) analyzes the efficacy of the pilot program established under subsection (hh)(2).".

(c) IMPROVEMENTS TO TECHNICAL AND BUSINESS ASSISTANCE.—

(1) IN GENERAL.—Section 9(q) of the Small Business Act (15 U.S.C. 638(q)) is amended—

(A) in the subsection heading, by inserting "AND BUSINESS" after "TECHNICAL";

(B) in paragraph (1)—

(i) in the matter preceding subparagraph (A)—

(I) by striking "a vendor selected under paragraph (2)" and inserting "1 or more vendors selected under paragraph (2)(A)";

(II) by inserting "and business" before "assistance services"; and

(III) by inserting "assistance with product sales, intellectual property protections, market research, market validation, and development of regulatory plans and manufacturing plans," after "technologies,"; and

(ii) in subparagraph (D), by inserting ", including intellectual property protections" before the period at the end;

(C) in paragraph (2)—

(i) in the first sentence, by striking "Each agency may select a vendor to assist small business concerns to meet" and inserting the following:

"(A) IN GENERAL.—Each agency may select 1 or more vendors from which small business concerns may obtain assistance in meeting"; and

(ii) by adding at the end the following:

"(B) SELECTION BY SMALL BUSINESS CONCERN.—A small business concern may, by contract or otherwise, select 1 or more vendors to assist the small business concern in meeting the goals listed in paragraph (1)."; and

(D) in paragraph (3)—

(i) by inserting "(A)" after "paragraph (2)" each place that term appears;

(ii) in subparagraph (A), by striking "$5,000 per year" each place that term appears and inserting "$6,500 per year";

(iii) in subparagraph (B)—

(I) by striking "$5,000 per year" each place that term appears and inserting "$50,000 per project"; and

(II) in clause (ii), by striking "which shall be in addition to the amount of the recipient's award" and inserting "which may, as determined appro-

priate by the head of the Federal agency, be included as part of the recipient's award or be in addition to the amount of the recipient's award";

(iv) in subparagraph (C)—

(I) by inserting "or business" after "technical";

(II) by striking "the vendor" and inserting "a vendor"; and

(III) by adding at the end the following: "Business-related services aimed at improving the commercialization success of a small business concern may be obtained from an entity, such as a public or private organization or an agency of or other entity established or funded by a State that facilitates or accelerates the commercialization of technologies or assists in the creation and growth of private enterprises that are commercializing technology.";

(v) in subparagraph (D)—

(I) by inserting "or business" after "technical" each place that term appears; and

(II) in clause (i), by striking "the vendor" and inserting "1 or more vendors"; and

(vi) by adding at the end the following:

"(E) MULTIPLE AWARD RECIPIENTS.—The Administrator shall establish a limit on the amount of technical and business assistance services that may be received or purchased under subparagraph (B) by a small business concern that has received multiple Phase II SBIR or STTR awards for a fiscal year."; and

(E) by adding at the end the following:

"(4) ANNUAL REPORTING.—

"(A) IN GENERAL.—A small business concern that receives technical or business assistance from a vendor under this subsection during a fiscal year shall submit to the Federal agency contracting with the vendor a description of the technical or business assistance provided and the benefits and results of the technical or business assistance provided.

"(B) USE OF EXISTING REPORTING MECHANISM.—The information required under subparagraph (A) shall be collected by a Federal agency as part of a report required to be submitted by small business concerns engaged in SBIR or STTR projects of the Federal agency for which the requirement was in effect on the date of enactment of this paragraph.".

(2) REVIEW.—Not later than the end of fiscal year 2019, the Administrator of the Small Business Administration shall—

(A) conduct a survey of vendors providing technical or business assistance under section 9(q) of the Small Business Act (15 U.S.C. 638(q)), as amended by paragraph (1), and small business concerns receiving the technical or business assistance; and

(B) submit to the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Small Business of the House of Representatives a report re-

viewing the efficacy of the provision of the technical or business assistance.

SEC. 855. CONSTRUCTION CONTRACT ADMINISTRATION.

Section 15 of the Small Business Act (15 U.S.C. 644) is amended by adding at the end the following new subsection:

"(w) SOLICITATION NOTICE REGARDING ADMINISTRATION OF CHANGE ORDERS FOR CONSTRUCTION.—

"(1) IN GENERAL.—With respect to any solicitation for the award of a contract for construction anticipated to be awarded to a small business concern, the agency administering such contract shall provide a notice along with the solicitation to prospective bidders and offerors that includes—

"(A) information about the agency's policies or practices in complying with the requirements of the Federal Acquisition Regulation relating to the timely definitization of requests for an equitable adjustment; and

"(B) information about the agency's past performance in definitizing requests for equitable adjustments in accordance with paragraph (2).

"(2) REQUIREMENTS FOR AGENCIES.—An agency shall provide the past performance information described under paragraph (1)(B) as follows:

"(A) For the 3-year period preceding the issuance of the notice, to the extent such information is available.

"(B) With respect to an agency that, on the date of the enactment of this subsection, has not compiled the information described under paragraph (1)(B)—

"(i) beginning 1 year after the date of the enactment of this subsection, for the 1-year period preceding the issuance of the notice;

"(ii) beginning 2 years after the date of the enactment of this subsection, for the 2-year period preceding the issuance of the notice; and

"(iii) beginning 3 years after the date of the enactment of this subsection and each year thereafter, for the 3-year period preceding the issuance of the notice.

"(3) FORMAT OF PAST PERFORMANCE INFORMATION.—In the notice required under paragraph (1), the agency shall ensure that the past performance information described under paragraph (1)(B) is set forth separately for each definitization action that was completed during the following periods:

"(A) Not more than 30 days after receipt of a request for an equitable adjustment.

"(B) Not more than 60 days after receipt of a request for an equitable adjustment.

"(C) Not more than 90 days after receipt of a request for an equitable adjustment.

"(D) Not more than 180 days after receipt of a request for an equitable adjustment.

"(E) Not more than 365 days after receipt of a request for an equitable adjustment.

"(F) More than 365 days after receipt of a request for an equitable adjustment.

"(G) After the completion of the performance of the contract through a contract modification addressing all

undefinitized requests for an equitable adjustment received during the term of the contract.".

SEC. 856. COMPTROLLER GENERAL STUDY OF IMPACT OF BROADBAND SPEED AND PRICE ON SMALL BUSINESSES.

(a) STUDY REQUIRED.—Subject to appropriations, the Comptroller General of the United States shall conduct a study evaluating the impact of broadband speed and price on small business concerns (as defined in section 3 of the Small Business Act (15 U.S.C. 632)).

(b) REPORT.—Not later than three years after the date of the enactment of this Act, the Comptroller General shall submit to the Committee on Commerce, Science, and Transportation and the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Energy and Commerce and the Committee on Small Business of the House of Representatives a report on the results of the study under subsection (a), including—

(1) a survey of broadband speeds available to small business concerns;

(2) a survey of the cost of broadband speeds available to small business concerns;

(3) a survey of the type of broadband technology used by small business concerns; and

(4) any policy recommendations that may improve the access of small business concerns to comparable broadband services at comparable rates in all regions of the United States.

SEC. 857. CONSOLIDATED BUDGET DISPLAY FOR THE DEPARTMENT OF DEFENSE SMALL BUSINESS INNOVATION RESEARCH PROGRAM AND SMALL BUSINESS TECHNOLOGY TRANSFER PROGRAM.

(a) BUDGET DISPLAY SUBMISSION.—The Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, shall include in the materials submitted to Congress by the Secretary of Defense in support of the budget of the President for each fiscal year (as submitted to Congress under section 1105 of title 31, United States Code), a budget display for the funds assessed for the Small Business Innovation Research Program or the Small Business Technology Transfer Program (as such terms are defined, respectively, in section 9(e) of the Small Business Act (15 U.S.C. 638(e))) of the Department of Defense during the previous fiscal year.

(b) BUDGET DISPLAY REQUIREMENTS.—The budget display under subsection (a) shall include—

(1) for funds assessed, the amount obligated and expended, by appropriation and functional area, for the Small Business Innovation Research Program or the Small Business Technology Transfer Program;

(2) information, by military department and other awarding organizations, on Phase I, II, and III awards;

(3) to the extent practicable, specific processes, products, technologies, or services that were transitioned to acquisition programs of record, or other follow-on contracts; and

(4) an estimate of the Small Business Innovation Research Program and the Small Business Technology Transfer Program funding to be assessed during the period covered by the current

future-years defense program (as defined under section 221 of title 10, United States Code).

(c) FIRST SUBMISSION.—The first budget display under subsection (a) shall be included with the budget for the President for fiscal year 2020.

(d) CONGRESSIONAL COMMITTEES.—The budget display under subsection (a) shall be submitted to the congressional defense committees, with copies provided to the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Small Business of the House of Representatives.

(e) TERMINATION.—The requirements of this section shall terminate on December 31, 2022.

(f) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to modify or otherwise affect the requirement to expend amounts for the Small Business Innovation Research Program and the Small Business Technology Transfer Program of the Department of Defense under subsections (f) and (n) of section 9 of the Small Business Act (15 U.S.C. 638).

SEC. 858. FUNDING FOR PROCUREMENT TECHNICAL ASSISTANCE PROGRAM.

(a) AMOUNT OF ASSISTANCE FROM SECRETARY.—Section 2413(b) of title 10, United States Code, is amended—

(1) by striking "not more than 65 percent" and inserting "not more than 75 percent"; and

(2) in paragraph (1), by striking "more than 65 percent, but not more than 75 percent" and inserting "more than 75 percent, but not more than 85 percent".

(b) FUNDING FOR ELIGIBLE ENTITIES.—Section 2414(a) of such title is amended—

(1) in paragraph (1), by striking "$750,000" and inserting "$1,000,000";

(2) in paragraph (2), by striking "$450,000" and inserting "$750,000";

(3) in paragraph (3), by striking "$300,000" and inserting "$450,000"; and

(4) in paragraph (4), by striking "$750,000" and inserting "$1,000,000".

SEC. 859. AUTHORIZATION FOR PAYMENT OF CERTAIN COSTS RELATING TO PROCUREMENT TECHNICAL ASSISTANCE CENTERS.

(a) AUTHORIZATION TO PAY COSTS RELATING TO MEETINGS OF ELIGIBLE ENTITIES.—Section 2417 of title 10, United States Code, is amended—

*(1) in the heading, by inserting "**and other**" after "**Administrative**";*

(2) by striking "chapter, an amount" and inserting "chapter—

"(1) an amount";

(3) by striking the period at the end and inserting "; and"; and

(4) by adding at the end the following new paragraph:

"(2) an amount determined appropriate by the Director to assist eligible entities in payment of costs of eligible entities —

"(A) for meetings to discuss best practices for the improvement of the operations of procurement technical assistance centers; and

"(B) for membership dues for any association of such centers created by eligible entities, training fees and associated travel for training to carry out the purposes of this chapter, and voluntary participation on any committees or board of such an association.".

(b) BRIEFING.—Not later than six months after the date of the enactment of this Act, the Director of the Defense Logistics Agency shall brief the congressional defense committees on the recognition or lack of recognition by the Department of Defense of procurement technical assistance center associations and the rationale for the recognition or lack of recognition, including a discussion of whether the Department needs authority to recognize such associations.

SEC. 860. COMMERCIALIZATION ASSISTANCE PILOT PROGRAM.

Section 9 of the Small Business Act (15 U.S.C. 638) is amended by adding at the end the following new subsection:

"(uu) COMMERCIALIZATION ASSISTANCE PILOT PROGRAMS.—

"(1) PILOT PROGRAMS IMPLEMENTED.—

"(A) IN GENERAL.—Except as provided in subparagraph (B), not later than one year after the date of the enactment of this subsection, a covered agency shall implement a commercialization assistance pilot program, under which an eligible entity may receive a subsequent Phase II SBIR award.

"(B) EXCEPTION.—If the Administrator determines that a covered agency has a program that is sufficiently similar to the commercialization assistance pilot program established under this subsection, such covered agency shall not be required to implement a commercialization assistance pilot program under this subsection.

"(2) PERCENT OF AGENCY FUNDS.—The head of each covered agency may allocate not more than 5 percent of the funds allocated to the SBIR program of the covered agency for the purpose of making a subsequent Phase II SBIR award under the commercialization assistance pilot program.

"(3) TERMINATION.—A commercialization assistance pilot program established under this subsection shall terminate on September 30, 2022.

"(4) APPLICATION.—To be selected to receive a subsequent Phase II SBIR award under a commercialization assistance pilot program, an eligible entity shall submit to the covered agency implementing such pilot program an application at such time, in such manner, and containing such information as the covered agency may require, including—

"(A) an updated Phase II commercialization plan; and

"(B) the source and amount of the matching funding required under paragraph (5).

"(5) MATCHING FUNDING.—

"(A) IN GENERAL.—The Administrator shall require, as a condition of any subsequent Phase II SBIR award made to an eligible entity under this subsection, that a matching amount (excluding any fees collected by the eligible entity

receiving such award) equal to the amount of such award be provided from an eligible third-party investor.

"(B) INELIGIBLE SOURCES.—An eligible entity may not use funding from ineligible sources to meet the matching requirement of subparagraph (A).

"(6) AWARD.—A subsequent Phase II SBIR award made to an eligible entity under this subsection—

"(A) may not exceed the limitation described under subsection (aa)(1); and

"(B) shall be disbursed during Phase II.

"(7) USE OF FUNDS.—The funds awarded to an eligible entity under this subsection may only be used for research and development activities that build on eligible entity's Phase II program and ensure the research funded under such Phase II is rapidly progressing towards commercialization.

"(8) SELECTION.—In selecting eligible entities to participate in a commercialization assistance pilot program under this subsection, the head of a covered agency shall consider—

"(A) the extent to which such award could aid the eligible entity in commercializing the research funded under the eligible entity's Phase II program;

"(B) whether the updated Phase II commercialization plan submitted under paragraph (4) provides a sound approach for establishing technical feasibility that could lead to commercialization of such research;

"(C) whether the proposed activities to be conducted under such updated Phase II commercialization plan further improve the likelihood that such research will provide societal benefits;

"(D) whether the small business concern has progressed satisfactorily in Phase II to justify receipt of a subsequent Phase II SBIR award;

"(E) the expectations of the eligible third-party investor that provides matching funding under paragraph (5); and

"(F) the likelihood that the proposed activities to be conducted under such updated Phase II commercialization plan using matching funding provided by such eligible third-party investor will lead to commercial and societal benefit.

"(9) EVALUATION REPORT.—Not later than 6 years after the date of the enactment of this subsection, the Comptroller General of the United States shall submit to the Committee on Science, Space, and Technology and the Committee on Small Business of the House of Representatives, and the Committee on Small Business and Entrepreneurship of the Senate, a report including—

"(A) a summary of the activities of commercialization assistance pilot programs carried out under this subsection;

"(B) a detailed compilation of results achieved by such commercialization assistance pilot programs, including the number of eligible entities that received awards under such programs;

"(C) the rate at which each eligible entity that received a subsequent Phase II SBIR award under this subsection commercialized research of the recipient;

"(D) the growth in employment and revenue of eligible entities that is attributable to participation in a commercialization assistance pilot program;

"(E) a comparison of commercialization success of eligible entities participating in a commercialization assistance pilot program with recipients of an additional Phase II SBIR award under subsection (ff);

"(F) demographic information, such as ethnicity and geographic location, of eligible entities participating in a commercialization assistance pilot program;

"(G) an accounting of the funds used at each covered agency that implements a commercialization assistance pilot program under this subsection;

"(H) the amount of matching funding provided by eligible third-party investors, set forth separately by source of funding;

"(I) an analysis of the effectiveness of the commercialization assistance pilot program implemented by each covered agency; and

"(J) recommendations for improvements to the commercialization assistance pilot program.

"(10) DEFINITIONS.—For purposes of this subsection:

"(A) COVERED AGENCY.—The term 'covered agency' means a Federal agency required to have an SBIR program.

"(B) ELIGIBLE ENTITY.—The term 'eligible entity' means a small business concern that has received a Phase II award under an SBIR program and an additional Phase II SBIR award under subsection (ff) from the covered agency to which such small business concern is applying for a subsequent Phase II SBIR award.

"(C) ELIGIBLE THIRD-PARTY INVESTOR.—The term 'eligible third-party investor' means a small business concern other than an eligible entity, a venture capital firm, an individual investor, a non-SBIR Federal, State or local government, or any combination thereof.

"(D) INELIGIBLE SOURCES.—The term 'ineligible sources' means the following:

"(i) The eligible entity's internal research and development funds.

"(ii) Funding in forms other than cash, such as in-kind or other intangible assets.

"(iii) Funding from the owners of the eligible entity, or the family members or affiliates of such owners.

"(iv) Funding attained through loans or other forms of debt obligations.

"(E) SUBSEQUENT PHASE II SBIR AWARD.—The term 'subsequent Phase II SBIR award' means an award granted to an eligible entity under this subsection to carry out further commercialization activities for research conducted pursuant to an SBIR program.".

SEC. 861. PUERTO RICO BUSINESSES.

(a) DEFINITION OF PUERTO RICO BUSINESS.—Section 3 of the Small Business Act (15 U.S.C. 632) is amended by adding at the end the following new subsection:

"(ee) PUERTO RICO BUSINESS.—In this Act, the term 'Puerto Rico business' means a small business concern that has its principal office located in the Commonwealth of Puerto Rico.".

(b) SMALL BUSINESS CREDIT FOR PUERTO RICO BUSINESSES.—Section 15 of the Small Business Act (15 U.S.C. 644) is amended by adding at the end the following new subsection:

"(x) SMALL BUSINESS CREDIT FOR PUERTO RICO BUSINESSES.—

"(1) CREDIT FOR MEETING CONTRACTING GOALS.—If an agency awards a prime contract to Puerto Rico business during the period beginning on the date of enactment of this subsection and ending on the date that is 4 years after such date of enactment, the value of the contract shall be doubled for purposes of determining compliance with the goals for procurement contracts under subsection (g)(1)(A)(i) during such period.

"(2) REPORT.—Along with the report required under subsection (h)(1), the head of each Federal agency shall submit to the Administrator, and make publicly available on the scorecard described in section 868(b) of the National Defense Authorization Act for Fiscal Year 2016 (15 U.S.C. 644 note), an analysis of the number and dollar amount of prime contracts awarded pursuant to paragraph (1) for each fiscal year of the period described in such paragraph.".

(c) PRIORITY FOR SURPLUS PROPERTY TRANSFERS.—Section 7(j)(13)(F) of the Small Business Act (15 U.S.C. 636(j)(13)(F)) is amended by adding at the end the following new clause:

"(iii)(I) In this clause, the term 'covered period' means the period beginning on the date of enactment of this clause and ending on the date on which the Oversight Board established under section 101 of the Puerto Rico Oversight, Management, and Economic Stability Act (48 U.S.C. 2121) terminates.

"(II) The Administrator may transfer technology or surplus property under clause (i) to a Puerto Rico business if the Puerto Rico business meets the requirements for such a transfer, without regard to whether the Puerto Rico business is a Program Participant.".

(d) CONTRACTING INCENTIVES FOR PROTEGE FIRMS THAT ARE PUERTO RICO BUSINESSES.—

(1) IN GENERAL.—Section 45(a) of the Small Business Act (15 U.S.C. 657r(a)) is amended by adding at the end the following new paragraph:

"(3) PUERTO RICO BUSINESSES.—During the period beginning on the date of enactment of this paragraph and ending on the date on which the Oversight Board established under section 101 of the Puerto Rico Oversight, Management, and Economic Stability Act (48 U.S.C. 2121) terminates, the Administrator shall identify potential incentives to a covered mentor that awards a subcontract to its covered protege, including—

"(A) positive consideration in any past performance evaluation of the covered mentor; and

"(B) the application of costs incurred for providing training to such covered protege to the subcontracting plan (as required under paragraph (4) or (5) of section 8(d)) of the covered mentor.".

(2) DEFINITIONS.—Section 45(d) of the Small Business Act (15 U.S.C. 657r(d)) is amended by adding at the end the following new paragraphs:

"(4) COVERED MENTOR.—The term 'covered mentor' means a mentor that enters into an agreement under this Act, or under any mentor-protege program approved under subsection (b)(1), with a covered protege.

"(5) COVERED PROTEGE.—The term 'covered protege' means a protege of a covered mentor that is a Puerto Rico business.".

(e) ADDITIONAL MENTOR-PROTEGE RELATIONSHIPS FOR PROTEGE FIRMS THAT ARE PUERTO RICO BUSINESSES.—Section 45(b)(3)(A) of the Small Business Act (15 U.S.C. 657r(b)(3)(A)) is amended by inserting ", except that such restrictions shall not apply to up to 2 mentor-protege relationships if such relationships are between a covered protege and covered mentor" after "each participant".

SEC. 862. OPPORTUNITIES FOR EMPLOYEE-OWNED BUSINESS CONCERNS THROUGH SMALL BUSINESS ADMINISTRATION LOAN PROGRAMS.

(a) DEFINITIONS.—In this Act—

(1) the terms "Administration" and "Administrator" means the Small Business Administration and the Administrator thereof, respectively;

(2) the term "cooperative" means an entity that is determined to be a cooperative by the Administrator, in accordance with applicable Federal and State laws and regulations;

(3) the term "employee-owned business concern" means—

(A) a cooperative; and

(B) a qualified employee trust;

(4) the terms "qualified employee trust" and "small business concern" have the meanings given those terms in section 3 of the Small Business Act (15 U.S.C. 632); and

(5) the term "small business development center" means a small business development center described in section 21 of the Small Business Act (15 U.S.C. 648).

(b) EXPANSION OF 7(A) LOANS.—

(1) IN GENERAL.—Section 7(a) of the Small Business Act (15 U.S.C. 636(a)) is amended—

(A) in paragraph (15)—

(i) in subparagraph (A)—

(I) by striking "this subsection to qualified employee trusts" and inserting "this subsection—

"(i) to qualified employee trusts";

(II) in clause (i), as so designated—

(aa) by inserting ", and for any transaction costs associated with purchasing," after "purchasing";

(bb) by striking the period at the end and inserting "; and"; and

(III) by adding at the end the following:

"(ii) to a small business concern under a plan approved by the Administrator, if the proceeds from the loan are only used to make a loan to a qualified employee trust, and for any transaction costs associated with making that loan, that results in the qualified employee trust owning at least 51 percent of the small business concern.";

(ii) in subparagraph (B)—

(I) in the matter preceding clause (i), by inserting "or by the small business concern" after "the trustee of such trust";

(II) in clause (ii), by striking "and" at the end;

(III) in clause (iii), by striking the period at the end and inserting ", and"; and

(IV) by adding at the end the following:

"(iv) with respect to a loan made to a trust, or to a cooperative in accordance with paragraph (35)—

"(I) a seller of the small business concern may remain involved as an officer, director, or key employee of the small business concern when a qualified employee trust or cooperative has acquired 100 percent of ownership of the small business concern; and

"(II) any seller of the small business concern who remains as an owner of the small business concern, regardless of the percentage of ownership interest, shall be required to provide a personal guarantee by the Administration."; and

(iii) by adding at the end the following:

"(F) A small business concern that makes a loan to a qualified employee trust under subparagraph (A)(ii) is not required to contain the same terms and conditions as the loan made to the small business concern that is guaranteed by the Administration under such subparagraph.

"(G) With respect to a loan made to a qualified employee trust under this paragraph, or to a cooperative in accordance with paragraph (35), the Administrator may, as deemed appropriate, elect to not require any mandatory equity to be provided by the qualified employee trust or cooperative to make the loan."; and

(B) by adding at the end the following:

"(35) LOANS TO COOPERATIVES.—

"(A) DEFINITION.—In this paragraph, the term 'cooperative' means an entity that is determined to be a cooperative by the Administrator, in accordance with applicable Federal and State laws and regulation.

"(B) AUTHORITY.—The Administration shall guarantee loans made to a cooperative for the purpose described in paragraph (15).".

(2) DELEGATION OF AUTHORITY TO PREFERRED LENDERS.—Section 5(b)(7) of the Small Business Act (15 U.S.C. 634(b)(7)) is amended by inserting ", including loans guaranteed under paragraph (15) or (35) of section 7(a)" after "deferred participation loans".

(c) SMALL BUSINESS INVESTMENT COMPANY PROGRAM OUTREACH.—The Administrator shall provide outreach and educational materials to companies licensed under section 301(c) of the Small Business Investment Act of 1958 (15 U.S.C. 681(c)) to increase the use of funds to make investments in company transitions to employee-owned business concerns.

(d) SMALL BUSINESS MICROLOAN PROGRAM OUTREACH.—The Administrator shall provide outreach and educational materials to intermediaries under section 7(m) of the Small Business Act (15

U.S.C. 636(m)) to increase the use of funds to make loans to employee-owned business concerns, including transitions to employee-owned business concerns.

(e) SMALL BUSINESS DEVELOPMENT CENTER OUTREACH AND ASSISTANCE.—

(1) ESTABLISHMENT.—The Administrator shall establish a Small Business Employee Ownership and Cooperatives Promotion Program to offer technical assistance and training on the transition to employee ownership through cooperatives and qualified employee trusts.

(2) SMALL BUSINESS DEVELOPMENT CENTERS.—

(A) IN GENERAL.—In carrying out the program established under subsection (a), the Administrator shall enter into agreements with small business development centers under which the centers shall—

(i) provide access to information and resources on employee ownership through cooperatives or qualified employee trusts as a business succession strategy;

(ii) conduct training and educational activities; and

(iii) carry out the activities described in subparagraph (U) of section 21(c)(3) of the Small Business Act (15 U.S.C. 648(c)(3)).

(B) ADDITIONAL SERVICES.—Section 21(c)(3) of the Small Business Act (15 U.S.C. 648(c)(3)) is amended—

(i) in subparagraph (S), by striking "and" at the end;

(ii) in subparagraph (T), by striking the period at the end and inserting "; and"; and

(iii) by adding at the end the following:

"(U) encouraging and assisting the provision of succession planning to small business concerns with a focus on transitioning to cooperatives, as defined in section 7(a)(35), and qualified employee trusts (collectively referred to in this subparagraph as 'employee-owned business concerns'), including by—

"(i) providing training to individuals to promote the successful management, governance, or operation of a business purchased by those individuals in the formation of an employee-owned business concern;

"(ii) assisting employee-owned business concerns that meet applicable size standards established under section 3(a) with education and technical assistance with respect to financing and contracting programs administered by the Administration;

"(iii) coordinating with lenders on conducting outreach on financing through programs administered by the Administration that may be used to support the transition of ownership to employees;

"(iv) supporting small business concerns in exploring or assessing the possibility of transitioning to an employee-owned business concern; and

"(v) coordinating with the cooperative development centers of the Department of Agriculture, the land grant extension network, the Manufacturing Extension Partnership,

community development financial institutions, employee ownership associations and service providers, and local, regional and national cooperative associations.".

(f) AMENDMENT TO REPORT TO CONGRESS ON STATUS OF EMPLOYEE-OWNED FIRMS.—Section 7(a)(15)(E) of the Small Business Act (15 U.S.C. 636(a)(15)(E)) is amended by striking "Administration." and inserting "Administration, which shall include—

"(i) the total number of loans made to employee-owned business concerns that were guaranteed by the Administrator under section 7(a) of the Small Business Act (15 U.S.C. 636(a)) or section 502 of the Small Business Investment Act of 1958 (15 U.S.C. 696), including the number of loans made—

"(I) to small business concerns owned and controlled by socially and economically disadvantaged individuals; and

"(II) to cooperatives;

"(ii) the total number of financings made to employee-owned business concerns by companies licensed under section 301(c) of the Small Business Investment Act of 1958 (15 U.S.C. 696(c)), including the number of financings made—

"(I) to small business concerns owned and controlled by socially and economically disadvantaged individuals; and

"(II) to cooperatives; and

"(iii) any outreach and educational activities conducted by the Administration with respect to employee-owned business concerns.".

(g) REPORT ON COOPERATIVE LENDING.—

(1) SENSE OF CONGRESS.—It is the sense of Congress that cooperatives have a unique business structure and are unable to access the lending programs of the Administration effectively due to loan guarantee requirements that are incompatible with the business structure of cooperatives.

(2) STUDY AND REPORT.—

(A) STUDY.—The Administrator, in coordination with lenders, stakeholders, and Federal agencies, shall study and recommend practical alternatives for cooperatives that will satisfy the loan guarantee requirements of the Administration.

(B) REPORT.—Not later than 180 days after the date of enactment of this Act, the Administrator shall submit to Congress the recommendations developed under paragraph (1) and a plan to implement such recommendations.

(h) AMENDMENT TO DEFINITION OF QUALIFIED EMPLOYEE TRUST.—Section 3(c)(2)(A)(ii) of the Small Business Act (15 U.S.C. 632(c)(2)(A)(ii)) is amended to read as follows:

"(ii) which provides that each participant is entitled to direct the plan trustee as to the manner of how to vote the qualified employer securities (as defined in section 4975(e)(8) of the Internal Revenue Code of 1986), which are allocated to the account of such participant with respect to a corporate matter which (by law or charter) must be de-

cided by a vote conducted in accordance with section 409(e) of the Internal Revenue Code of 1986; and".

Subtitle G—Provisions Related to Software and Technical Data Matters

SEC. 865. VALIDATION OF PROPRIETARY AND TECHNICAL DATA.

Section 2321(f) of title 10, United States Code, is amended—

(1) by striking "(1) Except as provided in paragraph (2), in" and inserting "In"; and

(2) by striking paragraph (2).

SEC. 866. CONTINUATION OF TECHNICAL DATA RIGHTS DURING CHALLENGES.

(a) EXERCISE OF RIGHTS IN TECHNICAL DATA BEFORE FINAL DISPOSITION OF A CHALLENGE.—Section 2321(i) of title 10, United States Code, is amended—

(1) in the subsection heading, by inserting "PRIOR TO AND" after "RIGHTS AND LIABILITY";

(2) by redesignating paragraphs (1) and (2) as paragraphs (2) and (3), respectively; and

(3) by inserting before paragraph (2), as so redesignated, the following new paragraph:

"(1) Upon filing of a suit or appeal under the contract dispute statute by a contractor or subcontractor in an agency Board of Contract Appeals or United States Claims Court related to a decision made by a contracting officer under subsection (g), the Secretary of Defense, or a Secretary of a military department for programs for which milestone decision authority has been delegated, on a nondelegable basis, may, following notice to the contractor or subcontractor, authorize use of the technical data in dispute if the Secretary determines in writing that compelling mission readiness requirements will not permit awaiting the final decision by the agency Board of Contract Appeals or the United States Claims Court.".

(b) REVISION OF THE DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall revise the Defense Federal Acquisition Regulation Supplement, by interim or final rule, to implement the amendments made by subsection (a).

(c) EFFECTIVE DATE.—The amendments made by subsection (a) and the revision required by subsection (b) shall become effective on the date of publication of the interim or final rule (whichever is earlier) required by subsection (b) and shall apply to solicitations issued by Department of Defense contracting activities after that date unless the senior procurement executive of the agency concerned grants a waiver on a case-by-case basis.

(d) GUIDANCE ON TECHNICAL DATA RIGHT NEGOTIATION.—The Secretary of Defense shall develop policies on the negotiation of technical data rights for noncommercial software that reflects the Department of Defense's needs for technical data rights in the event of a protest or replacement of incumbent contractor to meet defense requirements in the most cost effective manner.

SEC. 867. REQUIREMENT FOR NEGOTIATION OF TECHNICAL DATA PRICE BEFORE SUSTAINMENT OF MAJOR WEAPON SYSTEMS.

Section 2439 of title 10, United States Code, is amended—

(1) by inserting ", to the maximum extent practicable," after "shall ensure";

(2) by striking "or for the production of a major weapon system" and inserting "production of a major weapon system, or sustainment of a major weapon system";

(3) by striking "or production" and inserting ", production, or sustainment"; and

*(4) in the heading, by striking "**or production**" and inserting "**, production, or sustainment**".*

SEC. 868. IMPLEMENTATION OF RECOMMENDATIONS OF THE FINAL REPORT OF THE DEFENSE SCIENCE BOARD TASK FORCE ON THE DESIGN AND ACQUISITION OF SOFTWARE FOR DEFENSE SYSTEMS.

(a) IMPLEMENTATION REQUIRED.—Not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall, except as provided under subsection (b), commence implementation of each recommendation submitted as part of the final report of the Defense Science Board Task Force on the Design and Acquisition of Software for Defense Systems.

(b) EXCEPTIONS.—

(1) DELAYED IMPLEMENTATION.—The Secretary of Defense may commence implementation of a recommendation described under subsection (a) later than the date required under such subsection if the Secretary provides the congressional defense committees with a specific justification for the delay in implementation of such recommendation.

(2) NONIMPLEMENTATION.—The Secretary of Defense may opt not to implement a recommendation described under subsection (a) if the Secretary provides to the congressional defense committees—

(A) the reasons for the decision not to implement the recommendation; and

(B) a summary of the alternative actions the Secretary plans to take to address the purposes underlying the recommendation.

(c) IMPLEMENTATION PLANS.—For each recommendation that the Secretary is implementing, or that the Secretary plans to implement, the Secretary shall submit to the congressional defense committees—

(1) a summary of actions that have been taken to implement the recommendation; and

(2) a schedule, with specific milestones, for completing the implementation of the recommendation.

SEC. 869. IMPLEMENTATION OF PILOT PROGRAM TO USE AGILE OR ITERATIVE DEVELOPMENT METHODS REQUIRED UNDER SECTION 873 OF THE NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2018.

(a) IN GENERAL.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall include the following systems in the pilot program to use agile or iterative development methods pursuant to section 873 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2223a note):

(1) Defense Retired and Annuitant Pay System 2 (DRAS2), Defense Logistics Agency.

(2) Army Integrated Air and Missile Defense (AIAMD), Army.

(3) Army Contract Writing System (ACWS), Army.

(4) Defense Enterprise Accounting and Management System (DEAMS) Inc2, Air Force.

(5) Item Master, Air Force.

(b) ADDITIONS TO LIST.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall identify three additional systems for participation in the pilot program pursuant to section 873 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2223a note) and notify the congressional defense committees of the additions.

(c) COMMUNITY OF PRACTICE ADVISING ON AGILE OR ITERATIVE DEVELOPMENT.—The Under Secretary of Defense for Acquisition and Sustainment shall establish a Community of Practice on agile or iterative methods so that programs that have been incorporating agile or iterative methods can share with programs participating in the pilot the lessons learned, best practices, and recommendations for improvements to acquisition and supporting processes. The Service Acquisition Executives of the military departments shall send representation from the following programs, which have reported using agile or iterative methods:

(1) Air and Space Operations Center (AOC).

(2) Command Control Battle Management and Communications (C2BMC).

(3) The family of Distributed Common Ground Systems.

(4) The family of Global Command and Control Systems.

(5) Navy Personnel and Pay (NP2).

(6) Other programs and activities as appropriate.

(d) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall report to the congressional defense committees on the status of the pilot program and each system participating in the pilot. The report shall include the following elements:

(1) A description of how cost and schedule estimates in support of the program are being conducted and using what methods.

(2) The contracting strategy and types of contracts that will be used in executing the program.

(3) A description of how intellectual property ownership issues associated with software applications developed with agile or iterative methods will be addressed to ensure future sustainment, maintenance, and upgrades to software applications after the applications are fielded.

(4) A description of the tools and software applications that are expected to be developed for the program and the costs and cost categories associated with each.

(5) A description of challenges the program has faced in realigning the program to use agile or iterative methods.

(e) MODIFICATIONS TO PILOT PROGRAM SELECTION CRITERIA.—Section 873(a)(3)(B) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2223a note) is amended—

(1) by inserting "or subsystems" after "In selecting systems";

(2) in clause (i)(II), by striking "; and" and inserting "; or"; and

(3) in clause (ii)(II), by striking "; and" and inserting "; or".

SEC. 870. REPORT ON REQUIRING ACCESS TO DIGITAL TECHNICAL DATA IN FUTURE ACQUISITIONS OF COMBAT, COMBAT SERVICE, AND COMBAT SUPPORT SYSTEMS.

Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the feasibility and advisability of requiring access to digital technical data in all future acquisitions by the Department of Defense of combat, combat service, and combat support systems, including front-end negotiations for such access. Such report shall include a digital data standard for technical data for use by equipment manufacturers and the Department with regard to three-dimensional printed parts.

Subtitle H—Other Matters

SEC. 871. PROHIBITION ON ACQUISITION OF SENSITIVE MATERIALS FROM NON-ALLIED FOREIGN NATIONS.

(a) IN GENERAL.—Subchapter V of chapter 148 of title 10, United States Code, is amended by inserting after section 2533b the following new section:

"§ 2533c. Prohibition on acquisition of sensitive materials from non-allied foreign nations

"(a) IN GENERAL.—Except as provided in subsection (c), the Secretary of Defense may not—

"(1) procure any covered material melted or produced in any covered nation, or any end item that contains a covered material manufactured in any covered nation, except as provided by subsection (c); or

"(2) sell any covered material from the National Defense Stockpile, if the National Defense Stockpile Manager determines that such a sale is not in the national interests of the United States, to—

"(A) any covered nation; or

"(B) any third party that the Secretary reasonably believes is acting as a broker or agent for a covered nation or an entity in a covered nation.

"(b) APPLICABILITY.—Subsection (a) shall apply to prime contracts and subcontracts at any tier.

"(c) EXCEPTIONS.—Subsection (a) does not apply under the following circumstances:

"(1) If the Secretary of Defense determines that covered materials of satisfactory quality and quantity, in the required form, cannot be procured as and when needed at a reasonable price.

"(2) To the procurement of an end item described in subsection (a)(1) or the sale of any covered material described under subsection (a)(1) by the Secretary outside of the United States for use outside of the United States.

"(3) To the purchase by the Secretary of an end item containing a covered material that is—

"(A) a commercially available off-the-shelf item (as defined in section 104 of title 41), other than—

"(i) a commercially available off-the-shelf item that is 50 percent or more tungsten by weight; or

"(ii) a mill product, such as bar, billet, slab, wire, cube, sphere, block, blank, plate, or sheet, that has not been incorporated into an end item, subsystem, assembly, or component;

"(B) an electronic device, unless the Secretary of Defense, upon the recommendation of the Strategic Materials Protection Board pursuant to section 187 of this title, determines that the domestic availability of a particular electronic device is critical to national security; or

"(C) a neodymium-iron-boron magnet manufactured from recycled material if the milling of the recycled material and sintering of the final magnet takes place in the United States.

"(d) DEFINITIONS.—In this section:

"(1) COVERED MATERIAL.—The term 'covered material' means—

"(A) samarium-cobalt magnets;

"(B) neodymium-iron-boron magnets;

"(C) tungsten metal powder; and

"(D) tungsten heavy alloy or any finished or semi-finished component containing tungsten heavy alloy.

"(2) COVERED NATION.—The term 'covered nation' means—

"(A) the Democratic People's Republic of North Korea;

"(B) the People's Republic of China;

"(C) the Russian Federation; and

"(D) the Islamic Republic of Iran.

"(3) END ITEM.—The term 'end item' has the meaning given in section 2533b(m) of this title.".

(b) CLERICAL AMENDMENT.—The table of contents at the beginning of such subchapter is amended by inserting after the item relating to section 2533b the following item:

"2533c. Prohibition on acquisition of sensitive materials from non-allied foreign nations.".

SEC. 872. EXTENSION OF PROHIBITION ON PROVIDING FUNDS TO THE ENEMY.

Section 841(n) of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 127 Stat. 3455; 10 U.S.C. 2302 note) is amended by striking "December 31, 2019" and inserting "December 31, 2021".

SEC. 873. DATA, POLICY, AND REPORTING ON THE USE OF OTHER TRANSACTIONS.

(a) COLLECTION AND STORAGE.—The Service Acquisition Executives of the military departments shall collect data on the use of other transactions by their respective departments, and the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment shall collect data on all other use by the Department of Defense of other transactions, including use by the Defense Agencies. The data shall be stored in a manner that allows the Assistant Secretary of Defense for Acquisition and other appropriate officials access at any time.

(b) USE OF DATA.—The Assistant Secretary of Defense for Acquisition shall analyze and leverage the data collected under sub-

section (a) to update policy and guidance related to the use of other transactions.

(c) REPORT REQUIRED.—Not later than December 31, 2018, and each December 31 thereafter through December 31, 2021, the Secretary of Defense shall submit to the congressional defense committees a report covering the preceding fiscal year on the Department's use of other transaction authority. Each report shall summarize and display the data collected under subsection (a) on the nature and extent of the use of the authority, including a summary and detail showing—

(1) organizations involved, quantities, amounts of payments, and purpose, description, and status of projects; and

(2) highlights of successes and challenges using the authority, including case examples.

SEC. 874. STANDARDIZATION OF FORMATTING AND PUBLIC ACCESSIBILITY OF DEPARTMENT OF DEFENSE REPORTS TO CONGRESS.

(a) REPORT FORMATTING PLAN REQUIRED.—Not later than March 1, 2019, the Secretary of Defense shall provide a plan to the congressional defense committees on activities to standardize the formatting of unclassified Department of Defense reports required by Congress. Such plan shall include—

(1) a description of the method for ensuring that reports are created in a platform-independent, machine-readable format that can be retrieved, downloaded, indexed, and searched by commonly used web search applications; and

(2) a cost estimate and schedule for implementation of the activities under paragraph (1), with a completion date of not later than March 1, 2020.

(b) ONLINE REPOSITORY PLAN REQUIRED.—Not later than March 1, 2019, the Secretary of Defense shall provide a briefing to the congressional defense committees on the feasibility of developing a publically accessible online repository of unclassified reports of the Department of Defense issued since January 1, 2010. Such briefing shall include—

(1) protocols for inclusion of unclassified reports that, as determined by the Secretary, may not be appropriate for public release in their entirety; and

(2) a cost estimate and schedule for implementation and maintenance of the online repository.

SEC. 875. PROMOTION OF THE USE OF GOVERNMENT-WIDE AND OTHER INTERAGENCY CONTRACTS.

Section 865(b)(1) of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 31 U.S.C. 1535 note) is amended—

(1) by striking "that all interagency acquisitions—" and inserting "that—";

(2) in subparagraph (A)—

(A) by inserting "all interagency assisted acquisitions" before "include"; and

(B) by inserting "and" after the semicolon;

(3) by striking subparagraph (B); and

(4) by redesignating subparagraph (C) as subparagraph (B), and in that subparagraph by inserting "all interagency assisted acquisitions" before "include".

SEC. 876. INCREASING COMPETITION AT THE TASK ORDER LEVEL.

Section 3306(c) of title 41, United States Code, is amended—

(1) in paragraph (1), by inserting "except as provided in paragraph (3)," in subparagraphs (B) and (C) after the subparagraph designation; and

(2) by adding at the end the following new paragraphs:

"(3) EXCEPTIONS FOR CERTAIN INDEFINITE DELIVERY, INDEFINITE QUANTITY MULTIPLE-AWARD CONTRACTS AND CERTAIN FEDERAL SUPPLY SCHEDULE CONTRACTS FOR SERVICES ACQUIRED ON AN HOURLY RATE.—If an executive agency issues a solicitation for one or more contracts for services to be acquired on an hourly rate basis under the authority of sections 4103 and 4106 of this title or section 152(3) of this title and section 501(b) of title 40 and the executive agency intends to make a contract award to each qualifying offeror and the contract or contracts will feature individually competed task or delivery orders based on hourly rates—

"(A) the contracting officer need not consider price as an evaluation factor for contract award; and

"(B) if, pursuant to subparagraph (A), price is not considered as an evaluation factor for contract award, cost or price to the Federal Government shall be considered in conjunction with the issuance pursuant to sections 4106(c) and 152(3) of this title of any task or delivery order under any contract resulting from the solicitation.

"(4) DEFINITION.—In paragraph (3), the term 'qualifying offeror' means an offeror that—

"(A) is determined to be a responsible source;

"(B) submits a proposal that conforms to the requirements of the solicitation;

"(C) meets all technical requirements; and

"(D) is otherwise eligible for award.".

SEC. 877. INDIVIDUAL ACQUISITION FOR COMMERCIAL LEASING SERVICES.

(a) IN GENERAL.—For the purpose of section 863 of Public Law 110–417, an individual acquisition for commercial leasing services shall not be construed as a purchase of property or services if such individual acquisition is made on a no cost basis and pursuant to a multiple award contract awarded in accordance with requirements for full and open competition.

(b) AUDIT.—The Comptroller General of the United States shall—

(1) conduct biennial audits of the General Services Administration National Broker Contract to determine—

(A) whether brokers selected under the program provide lower lease rental rates than rates negotiated by General Services Administration staff; and

(B) the impact of the program on the length of time of lease procurements;

(2) conduct a review of whether the application of section 863 of Public Law 110–417 to acquisitions for commercial leasing services resulted in rental cost savings for the Government during the years in which such section was applicable prior to the date of enactment of this section; and

(3) not later than September 30, 2019, and September 30, 2021, submit to the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Environment and Public Works of the Senate a report that—

(A) summarizes the results of the audit and review required by paragraphs (1) and (2);

(B) includes an assessment of whether the National Broker Contract provides greater efficiencies and savings than the use of General Services Administration staff; and

(C) includes recommendations for improving General Services Administration lease procurements.

(c) TERMINATION.—This section shall terminate on December 31, 2022.

SEC. 878. PROCUREMENT ADMINISTRATIVE LEAD TIME DEFINITION AND PLAN.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Administrator for Federal Procurement Policy shall develop, make available for public comment, and finalize—

(1) a definition of the term "Procurement administrative lead time" or "PALT", to be applied Government-wide, that describes the amount of time from the date on which a solicitation for a contract or task order is issued to the date of an initial award of the contract or task order; and

(2) a plan for measuring and publicly reporting data on PALT for Federal Government contracts and task orders in amounts greater than the simplified acquisition threshold.

(b) REQUIREMENT FOR DEFINITION.—Unless the Administrator determines otherwise, the amount of time in the definition of PALT developed under subsection (a) shall—

(1) begin on the date on which an initial solicitation is issued by a Federal department or agency for a contract or task order; and

(2) end on the date of the award of the contract or task order.

(c) COORDINATION.—In developing the definition of PALT, the Administrator shall coordinate with—

(1) the senior procurement executives of Federal agencies;

(2) the Secretary of Defense; and

(3) the Administrator of the General Services Administration on modifying the existing data system of the Federal Government to determine the date on which the initial solicitation is issued.

(d) USE OF EXISTING PROCUREMENT DATA SYSTEM.—In developing the plan for measuring and publicly reporting data on PALT required by subsection (a), the Administrator shall, to the maximum extent practicable, rely on the information contained in the Federal procurement data system established pursuant to section 1122(a)(4) of title 41, United States Code, including any modifications to that system.

SEC. 879. BRIEFING ON FUNDING OF PRODUCT SUPPORT STRATEGIES.

(a) BRIEFING REQUIRED.—For each of the fiscal years 2020, 2021, and 2022, the Secretary of Defense shall provide an annotated

briefing to the congressional defense committees regarding the funding for product support strategies for major weapon systems.

(b) CONTENTS.—The briefing shall include for each major weapon system—

(1) a current estimate of the total funding required for the product support strategy for specific costs of the weapons system over its expected lifecycle;

(2) a current estimate of the funding required for the product support strategy per year over the future years defense program for the specific product support costs of the weapon system;

(3) a summary of the funding requested for the product support strategy in the future years defense program per year specifically for the weapon system;

(4) a summary of the amounts expended to support costs specific to the weapon system as described in the product support strategy of the weapon system during the prior fiscal year; and

(5) a summary of improvements made to data collection and analysis capabilities of the Department of Defense, including in the military services, to improve the analysis and cost estimation of lifecycle costs, improve the analysis and identification of cost drivers, reduce lifecycle cost variance, identify common and shared costs for multiple weapons systems, and isolate the lifecycle costs attributable to specific individual weapons systems.

SEC. 880. USE OF LOWEST PRICE TECHNICALLY ACCEPTABLE SOURCE SELECTION PROCESS.

(a) STATEMENT OF POLICY.—It shall be the policy of the United States Government to avoid using lowest price technically acceptable source selection criteria in circumstances that would deny the Government the benefits of cost and technical tradeoffs in the source selection process.

(b) REVISION OF FEDERAL ACQUISITION REGULATION.—Not later than 120 days after the date of the enactment of this Act, the Federal Acquisition Regulation shall be revised to require that, for solicitations issued on or after the date that is 120 days after the date of the enactment of this Act, lowest price technically acceptable source selection criteria are used only in situations in which—

(1) an executive agency is able to comprehensively and clearly describe the minimum requirements expressed in terms of performance objectives, measures, and standards that will be used to determine acceptability of offers;

(2) the executive agency would realize no, or minimal, value from a contract proposal exceeding the minimum technical or performance requirements set forth in the request for proposal;

(3) the proposed technical approaches will require no, or minimal, subjective judgment by the source selection authority as to the desirability of one offeror's proposal versus a competing proposal;

(4) the executive agency has a high degree of confidence that a review of technical proposals of offerors other than the lowest bidder would not result in the identification of factors that could provide value or benefit to the executive agency;

(5) the contracting officer has included a justification for the use of a lowest price technically acceptable evaluation methodology in the contract file; and

(6) the executive agency has determined that the lowest price reflects full life-cycle costs, including for operations and support.

(c) AVOIDANCE OF USE OF LOWEST PRICE TECHNICALLY ACCEPTABLE SOURCE SELECTION CRITERIA IN CERTAIN PROCUREMENTS.—To the maximum extent practicable, the use of lowest price technically acceptable source selection criteria shall be avoided in the case of a procurement that is predominately for the acquisition of—

(1) information technology services, cybersecurity services, systems engineering and technical assistance services, advanced electronic testing, audit or audit readiness services, health care services and records, telecommunications devices and services, or other knowledge-based professional services;

(2) personal protective equipment; or

(3) knowledge-based training or logistics services in contingency operations or other operations outside the United States, including in Afghanistan or Iraq.

(d) REPORT REQUIREMENT.—Not later than one year after the date of the enactment of this Act, and annually thereafter for two years, the Comptroller General of the United States shall submit to the appropriate congressional committees a report on the number of instances in which lowest price technically acceptable source selection criteria is used for a contract exceeding $5,000,000, including an explanation of how the situations listed in subsection (b) were considered in making a determination to use lowest price technically acceptable source selection criteria.

(e) DEFINITIONS.—In this section:

(1) EXECUTIVE AGENCY.—The term "executive agency" has the meaning given that term in section 102 of title 40, United States Code, except that the term does not include the Department of Defense.

(2) CONTINGENCY OPERATION.—The term "contingency operation" has the meaning given that term in section 101 of title 10, United States Code.

(3) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means the Committee on Oversight and Government Reform of the House of Representatives and the Committee on Homeland Security and Governmental Affairs of the Senate.

SEC. 881. PERMANENT SUPPLY CHAIN RISK MANAGEMENT AUTHORITY.

(a) PERMANENT EXTENSION OF AUTHORITY.—

(1) IN GENERAL.—Chapter 137 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 2339a. Requirements for information relating to supply chain risk

"(a) AUTHORITY.—Subject to subsection (b), the head of a covered agency may—

"(1) carry out a covered procurement action; and

"(2) limit, notwithstanding any other provision of law, in whole or in part, the disclosure of information relating to the basis for carrying out a covered procurement action.

"(b) DETERMINATION AND NOTIFICATION.—The head of a covered agency may exercise the authority provided in subsection (a) only after—

"(1) obtaining a joint recommendation by the Under Secretary of Defense for Acquisition and Sustainment and the Chief Information Officer of the Department of Defense, on the basis of a risk assessment by the Under Secretary of Defense for Intelligence, that there is a significant supply chain risk to a covered system;

"(2) making a determination in writing, in unclassified or classified form, with the concurrence of the Under Secretary of Defense for Acquisition and Sustainment, that—

"(A) use of the authority in subsection (a)(1) is necessary to protect national security by reducing supply chain risk;

"(B) less intrusive measures are not reasonably available to reduce such supply chain risk; and

"(C) in a case where the head of the covered agency plans to limit disclosure of information under subsection (a)(2), the risk to national security due to the disclosure of such information outweighs the risk due to not disclosing such information; and

"(3) providing a classified or unclassified notice of the determination made under paragraph (2) to the appropriate congressional committees, which notice shall include—

"(A) the information required by section 2304(f)(3) of this title;

"(B) the joint recommendation by the Under Secretary of Defense for Acquisition and Sustainment and the Chief Information Officer of the Department of Defense as specified in paragraph (1);

"(C) a summary of the risk assessment by the Under Secretary of Defense for Intelligence that serves as the basis for the joint recommendation specified in paragraph (1); and

"(D) a summary of the basis for the determination, including a discussion of less intrusive measures that were considered and why they were not reasonably available to reduce supply chain risk.

"(c) DELEGATION.—The head of a covered agency may not delegate the authority provided in subsection (a) or the responsibility to make a determination under subsection (b) to an official below the level of the service acquisition executive for the agency concerned.

"(d) LIMITATION ON DISCLOSURE.—If the head of a covered agency has exercised the authority provided in subsection (a)(2) to limit disclosure of information—

"(1) no action undertaken by the agency head under such authority shall be subject to review in a bid protest before the Government Accountability Office or in any Federal court; and

"(2) the agency head shall—

"(A) notify appropriate parties of a covered procurement action and the basis for such action only to the extent necessary to effectuate the covered procurement action;

"(B) notify other Department of Defense components or other Federal agencies responsible for procurements that may be subject to the same or similar supply chain risk, in a manner and to the extent consistent with the requirements of national security; and

"(C) ensure the confidentiality of any such notifications.

"(e) DEFINITIONS.—In this section:

"(1) HEAD OF A COVERED AGENCY.—The term 'head of a covered agency' means each of the following:

"(A) The Secretary of Defense.

"(B) The Secretary of the Army.

"(C) The Secretary of the Navy.

"(D) The Secretary of the Air Force.

"(2) COVERED PROCUREMENT ACTION.—The term 'covered procurement action' means any of the following actions, if the action takes place in the course of conducting a covered procurement:

"(A) The exclusion of a source that fails to meet qualification standards established in accordance with the requirements of section 2319 of this title for the purpose of reducing supply chain risk in the acquisition of covered systems.

"(B) The exclusion of a source that fails to achieve an acceptable rating with regard to an evaluation factor providing for the consideration of supply chain risk in the evaluation of proposals for the award of a contract or the issuance of a task or delivery order.

"(C) The decision to withhold consent for a contractor to subcontract with a particular source or to direct a contractor for a covered system to exclude a particular source from consideration for a subcontract under the contract.

"(3) COVERED PROCUREMENT.—The term 'covered procurement' means—

"(A) a source selection for a covered system or a covered item of supply involving either a performance specification, as provided in section 2305(a)(1)(C)(ii) of this title, or an evaluation factor, as provided in section 2305(a)(2)(A) of this title, relating to supply chain risk;

"(B) the consideration of proposals for and issuance of a task or delivery order for a covered system or a covered item of supply, as provided in section 2304c(d)(3) of this title, where the task or delivery order contract concerned includes a contract clause establishing a requirement relating to supply chain risk; or

"(C) any contract action involving a contract for a covered system or a covered item of supply where such contract includes a clause establishing requirements relating to supply chain risk.

"(4) SUPPLY CHAIN RISK.—The term 'supply chain risk' means the risk that an adversary may sabotage, maliciously introduce unwanted function, or otherwise subvert the design, integrity, manufacturing, production, distribution, installation,

operation, or maintenance of a covered system so as to surveil, deny, disrupt, or otherwise degrade the function, use, or operation of such system.

"(5) COVERED SYSTEM.—The term 'covered system' means a national security system, as that term is defined in section 3542(b) of title 44.

"(6) COVERED ITEM OF SUPPLY.—The term 'covered item of supply' means an item of information technology (as that term is defined in section 11101 of title 40) that is purchased for inclusion in a covered system, and the loss of integrity of which could result in a supply chain risk for a covered system.

"(7) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term 'appropriate congressional committees' means—

"(A) in the case of a covered system included in the National Intelligence Program or the Military Intelligence Program, the Select Committee on Intelligence of the Senate, the Permanent Select Committee on Intelligence of the House of Representatives, and the congressional defense committees; and

"(B) in the case of a covered system not otherwise included in subparagraph (A), the congressional defense committees.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 2339 the following new item:

"2339a. Requirements for information relating to supply chain risk.".

(b) REPEAL OF OBSOLETE AUTHORITY.—Section 806(g) of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383; 10 U.S.C. 2304 note) is hereby repealed.

SEC. 882. REVIEW OF MARKET RESEARCH.

Not later than February 1, 2019, the Under Secretary of Defense for Acquisition and Sustainment, in consultation with the Under Secretary of Defense for Research and Engineering, shall review the guidance of the Department of Defense with regard to those portions of the Federal Acquisition Regulation regarding commercially available market research, including sections 10.001(a)(2)(vi) and 10.002(b), and market research practices. The review shall, at a minimum—

(1) assess the impact that conducting market research has on the Department's resources;

(2) ensure that commercially available market research is considered among other sources of research, as appropriate, and reviewed prior to developing new requirements documents for an acquisition by the Department;

(3) assess the extent to which the legal or regulatory definitions of market research should be made consistent, revised, or expanded;

(4) assess the extent to which guidance pertaining to market research should be revised or expanded; and

(5) evaluate best practices in market research in public and private organizations, including use of information technologies to support such research.

SEC. 883. ESTABLISHMENT OF INTEGRATED REVIEW TEAM ON DEFENSE ACQUISITION INDUSTRY-GOVERNMENT EXCHANGE.

(a) STUDY.—

(1) IN GENERAL.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall direct the Defense Business Board to convene an integrated review team (in this section referred to as the "exchange team") to undertake a study on facilitating the exchange of defense industry personnel on term assignments within the Department of Defense.

(2) MEMBER PARTICIPATION.—

(A) DEFENSE BUSINESS BOARD.—The Chairman of the Defense Business Board shall select six members from the membership of the Board to participate on the exchange team, including one member to lead the team.

(B) DEFENSE INNOVATION BOARD.—The Chairman of the Defense Innovation Board shall select five appropriate members from the membership of their Board to participate on the exchange team.

(C) DEFENSE SCIENCE BOARD.—The Chairman of the Defense Science Board shall select five appropriate members from the membership of their Board to participate on the exchange team.

(D) REQUIRED EXPERIENCE.—The Chairmen referred to in subparagraphs (A) through (C) shall ensure that members have significant legislative or regulatory expertise and reflect diverse experiences in the public and private sector.

(3) SCOPE.—The study conducted pursuant to paragraph (1) shall—

(A) review legal, ethical, and financial disclosure requirements for industry-government exchanges;

(B) review existing or previous industry-government exchange programs such as the Department of State's Franklin Fellows Program and the Information Technology Exchange Program;

(C) review how the military departments address legal, ethical, and financial requirements for members of the reserve components who also maintain civilian employment in the defense industry;

(D) produce specific and detailed recommendations for any legislation, including the amendment or repeal of regulations, as well as non-legislative approaches, that the members of the exchange team conducting the study determine necessary to—

(i) reduce barriers to industry-government exchange to encourage the flow of acquisition best practices;

(ii) ensure continuing financial and ethical integrity; and

(iii) protect the best interests of the Department of Defense; and

(E) produce such additional recommendations for legislation as the members consider appropriate.

(4) ACCESS TO INFORMATION.—The Secretary of Defense shall provide the exchange team with timely access to appro-

priate information, data, resources, and analysis so that the exchange team may conduct a thorough and independent analysis as required under this subsection.

(b) BRIEFING.—Not later than December 31, 2018, the exchange team shall provide an interim briefing to the congressional defense committees on the study conducted under subsection (a)

(c) FINAL REPORT.—Not later than March 1, 2019, the exchange team shall submit a final report on the study to the Under Secretary of Defense for Acquisition and Sustainment and the congressional defense committees.

SEC. 884. EXCHANGE PROGRAM FOR ACQUISITION WORKFORCE EMPLOYEES.

(a) PROGRAM AUTHORIZED.—The Secretary of Defense shall establish an exchange program under which the Under Secretary of Defense for Acquisition and Sustainment shall arrange for the temporary assignment of civilian personnel in the Department of Defense acquisition workforce.

(b) PURPOSES.—The purposes of the exchange program established pursuant to subsection (a) are—

(1) to familiarize personnel from the acquisition workforce with the equities, priorities, processes, culture, and workforce of the acquisition-related defense agencies;

(2) to enable participants in the exchange program to return the expertise gained through their exchanges to their original organizations; and

(3) to improve communication between and integration of the organizations that support the policy, implementation, and oversight of defense acquisition through lasting relationships.

(c) PARTICIPANTS.—

(1) NUMBER OF PARTICIPANTS.—The Under Secretary shall select not less than 10 and no more than 20 participants per year for participation in the exchange program established under subsection (a).

(2) CRITERIA FOR SELECTION.—The Under Secretary shall select participants for the exchange program established under subsection (a) from among mid-career employees and based on—

(A) the qualifications and desire to participate in the program of the employee; and

(B) the technical needs and capacities of the acquisition workforce, as applicable.

(d) TERMS.—Exchanges pursuant to the exchange program established under subsection (a) shall be for terms of one to two years, as determined and negotiated by the Under Secretary. The terms may begin and end on a rolling basis.

(e) GUIDANCE AND IMPLEMENTATION.—

(1) GUIDANCE.—Not later than 90 days after the date of the enactment of this Act, the Under Secretary shall develop and submit to the congressional defense committees interim guidance on the form and contours of the exchange program established under subsection (a).

(2) IMPLEMENTATION.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary shall implement the guidance developed under paragraph (1).

SEC. 885. PROCESS TO LIMIT FOREIGN ACCESS TO TECHNOLOGY.

(a) PROCESS AND PROCEDURES.—The Secretary of Defense shall develop a process and procedures for limiting foreign access to technology through contracts, grants, cooperative agreements, or other transactions, when such limitation is in the interest of national security.

(b) REPORT.—Not later than September 1, 2019, the Secretary shall submit to the congressional defense committees a report on the process and procedures developed pursuant to subsection (a). The report shall include the following elements:

(1) An assessment of the Department of Defense's ability through existing authorities to limit foreign access to technology through contracts, grants, cooperative agreements, or other transactions.

(2) An assessment of the Department's need to implement a process to limit foreign access to technology.

(3) Recommendations for penalties for violations of access, including intellectual property forfeiture.

(c) CONSIDERATIONS.—The process and procedures developed under subsection (a) shall be consistent with all existing law, including laws relating to trade agreements, individual protections, export controls, and the National Technology and Industrial Base (NTIB).

SEC. 886. PROCUREMENT OF TELECOMMUNICATIONS SUPPLIES FOR EXPERIMENTAL PURPOSES.

Section 2373(a) of title 10, United States Code, is amended by inserting "telecommunications," after "space-flight,".

SEC. 887. ACCESS BY DEVELOPMENTAL AND OPERATIONAL TESTING ACTIVITIES TO DATA REGARDING MODELING AND SIMULATION ACTIVITY.

(a) IN GENERAL.—Section 139(e) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(4) The Director shall have prompt access to all data regarding modeling and simulation activity proposed to be used by military departments and defense agencies in support of operational or live fire test and evaluation of military capabilities. This access shall include data associated with verification, validation, and accreditation activities.".

(b) ADDITIONAL TESTING DATA.—Developmental Test and Evaluation activities under the leadership of the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment shall have prompt access to all data regarding modeling and simulation activity proposed to be used by military departments and defense agencies in support of developmental test and evaluation of military capabilities. This access shall include data associated with verification, validation, and accreditation activities.

SEC. 888. INSTRUCTION ON PILOT PROGRAM REGARDING EMPLOYMENT OF PERSONS WITH DISABILITIES.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall update the Defense Federal Acquisition Regulatory Supplement to include an instruction on the pilot program regarding employment of persons with disabilities authorized under section 853 of the National Defense Authorization

Act for Fiscal Year 2004 (Public Law 108–136; 10 U.S.C. 2302 note).

SEC. 889. PROHIBITION ON CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT.

(a) PROHIBITION ON USE OR PROCUREMENT.—(1) The head of an executive agency may not—

(A) procure or obtain or extend or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or

(B) enter into a contract (or extend or renew a contract) with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

(2) Nothing in paragraph (1) shall be construed to—

(A) prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(B) cover telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(b) PROHIBITION ON LOAN AND GRANT FUNDS.—(1) The head of an executive agency may not obligate or expend loan or grant funds to procure or obtain, extend or renew a contract to procure or obtain, or enter into a contract (or extend or renew a contract) to procure or obtain the equipment, services, or systems described in subsection (a).

(2) In implementing the prohibition in paragraph (1), heads of executive agencies administering loan, grant, or subsidy programs, including the heads of the Federal Communications Commission, the Department of Agriculture, the Department of Homeland Security, the Small Business Administration, and the Department of Commerce, shall prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications service to users and customers is sustained.

(3) Nothing in this subsection shall be construed to—

(A) prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(B) cover telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(c) EFFECTIVE DATES.—The prohibition under subsection (a)(1) shall take effect one year after the date of the enactment of this Act, and the prohibitions under subsection (a)(2) and subsection (b) shall take effect two years after the date of the enactment of this Act.

(d) WAIVER AUTHORITY.—

(1) EXECUTIVE AGENCIES.—The head of an executive agency may, on a one-time basis, waive the requirements under subsection (a) with respect to an entity that requests such a waiver. The waiver may be provided, for a period of not more than two years after the effective dates described in subsection (c), if the entity seeking the waiver—

(A) provides a compelling justification for the additional time to implement the requirements under such subsection, as determined by the head of the executive agency; and

(B) submits to the head of the executive agency, who shall not later than 30 days thereafter submit to the appropriate congressional committees, a full and complete laydown of the presences of covered telecommunications or video surveillance equipment or services in the entity's supply chain and a phase-out plan to eliminate such covered telecommunications or video surveillance equipment or services from the entity's systems.

(2) DIRECTOR OF NATIONAL INTELLIGENCE.—The Director of National Intelligence may provide a waiver on a date later than the effective dates described in subsection (c) if the Director determines the waiver is in the national security interests of the United States.

(f) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees'" means—

(A) the Committee on Banking, Housing, and Urban Affairs, the Committee on Foreign Relations, and the Committee on Homeland Security and Governmental Affairs of the Senate; and

(B) the Committee on Financial Services, the Committee on Foreign Affairs, and the Committee on Oversight and Government Reform of the House of Representatives.

(2) COVERED FOREIGN COUNTRY.—The term "covered foreign country" means the People's Republic of China.

(3) COVERED TELECOMMUNICATIONS EQUIPMENT OR SERVICES.—The term "covered telecommunications equipment or services" means any of the following:

(A) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

(B) For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

(C) Telecommunications or video surveillance services provided by such entities or using such equipment.

(D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bu-

reau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

(4) EXECUTIVE AGENCY.—The term "executive agency" has the meaning given the term in section 133 of title 41, United States Code.

SEC. 890. PILOT PROGRAM TO ACCELERATE CONTRACTING AND PRICING PROCESSES.

(a) IN GENERAL.—The Secretary of Defense shall establish a pilot program to reform and accelerate the contracting and pricing processes associated with contracts in excess of $50,000,000 by—

(1) basing price reasonableness determinations on actual cost and pricing data for purchases of the same or similar products for the Department of Defense; and

(2) reducing the cost and pricing data to be submitted in accordance with section 2306a of title 10, United States Code.

(b) LIMITATION.—The pilot program authorized under subsection (a) may include no more than ten contracts, and none of the selected contracts may be part of a major defense acquisition program (as that term is defined under section 2430 of title 10, United States Code).

(c) REPORT.—Not later than January 30, 2021, the Secretary of Defense shall submit to the congressional defense committees a report on the results of the pilot program authorized under subsection (a) and an assessment of whether the program should be continued or expanded.

(d) SUNSET.—The authority to carry out the pilot program under this section shall expire on January 2, 2021.

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

Subtitle A—Office of the Secretary of Defense and Related Matters

Sec. 901. Report on allocation of former responsibilities of the Under Secretary of Defense for Acquisition, Technology, and Logistics.
Sec. 902. Modification of responsibilities of the Under Secretary of Defense for Policy.
Sec. 903. Clarification of responsibilities and duties of the Chief Information Officer of the Department of Defense.
Sec. 904. Technical corrections to Department of Defense Test Resource Management Center authority.
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Subtitle B—Organization and Management of Other Department of Defense Offices and Elements

Sec. 911. Comprehensive review of operational and administrative chains-of-command and functions of the Department of the Navy.
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Sec. 915. Expansion of principal duties of Assistant Secretary of the Navy for Research, Development, and Acquisition.
Sec. 916. Qualifications for appointment as Deputy Chief Management Officer of a military department.

Sec. 917. Deadline for completion of full implementation of requirements in connection with organization of the Department of Defense for management of special operations forces and special operations.
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Subtitle C—Comprehensive Pentagon Bureaucracy Reform and Reduction

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Sec. 927. Assessment of chief information officer functions in connection with transition to enterprise-wide management of information technology and computing.
Sec. 928. Comptroller General of the United States report on cross-enterprise activities of the Inspectors General of the Department of Defense.
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Subtitle D—Other Department of Defense Organization and Management Matters

Sec. 931. Limitation on availability of funds for major headquarters activities of the Department of Defense.
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Sec. 933. Performance of civilian functions by military personnel.
Sec. 934. Report on implementation of requirements on estimation and comparison of costs of civilian and military manpower and contract support for the Department of Defense.
Sec. 935. Review of foreign currency exchange rates and analysis of Foreign Currency Fluctuations, Defense appropriation.
Sec. 936. Responsibility for policy on civilian casualty matters.
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Sec. 938. Research and development to advance capabilities of the Department of Defense in data integration and advanced analytics in connection with personnel security.

Subtitle E—Other Matters

Sec. 941. Trusted information provider program for national security positions and positions of trust.
Sec. 942. Report on expedited processing of security clearances for mission-critical positions.
Sec. 943. Report on clearance in person concept.

Subtitle A—Office of the Secretary of Defense and Related Matters

SEC. 901. REPORT ON ALLOCATION OF FORMER RESPONSIBILITIES OF THE UNDER SECRETARY OF DEFENSE FOR ACQUISITION, TECHNOLOGY, AND LOGISTICS.

Not later than March 1, 2019, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report setting forth the following:

(1) A list of each provision of law, whether within or outside title 10, United States Code, in force as of the date of the report that, as of that date, assigns a duty, responsibility, or other requirement to the Under Secretary of Defense for Acquisition, Technology, and Logistics.

(2) For each duty, responsibility, or other requirement specified in a provision of law listed pursuant to paragraph (1), the allocation of such duty, responsibility, or requirement within the Department of Defense, including—

(A) solely to the Under Secretary of Defense for Research and Engineering;

(B) solely to the Under Secretary of Defense for Acquisition and Sustainment;

(C) on a shared basis between the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment;

(D) solely to another official or organization of the Department;

(E) on a shared basis between other officials and organizations of the Department; or

(F) not allocated.

SEC. 902. MODIFICATION OF RESPONSIBILITIES OF THE UNDER SECRETARY OF DEFENSE FOR POLICY.

(a) GENERAL RESPONSIBILITIES.—Paragraph (2) of section 134(b) of title 10, United States Code, is amended to read as follows:

"(2) Subject to the authority, direction, and control of the Secretary of Defense, the Under Secretary shall be responsible and have overall direction and supervision for—

"(A) the development, implementation, and integration across the Department of Defense of the National Defense Strategy (as described by section 113 of this title) and strategic policy guidance for the activities of the Department of Defense across all geographic regions and military functions and domains;

"(B) the integration of the activities of the Department into the National Security Strategy of the United States;

"(C) the development of policy guidance for the preparation of campaign and contingency plans by the combatant commands, and for the review of such plans;

"(D) the preparation of policy guidance for the development of the global force posture; and

"(E) the development of the Defense Planning Guidance that guides the formulation of program and budget requests by the military departments and other elements of the Department.".

(b) RESPONSIBILITIES IN CONNECTION WITH JOINT FORCE CAPABILITIES AND READINESS.—Such section is further amended by adding at the end the following new paragraph:

"(5) Subject to the authority, direction, and control of the Secretary of Defense, the Under Secretary shall coordinate with the Chairman of the Joint Chiefs of Staff and the Director of Cost Assessment and Program Evaluation to—

"(A) develop planning scenarios that describe the present and future strategic and operational environments by which to assess joint force capabilities and readiness; and

"(B) develop specific objectives that the joint force should be ready to achieve, and conduct assessments of the capability (in terms of both capacity and readiness) of the joint force to achieve such objectives.".

SEC. 903. CLARIFICATION OF RESPONSIBILITIES AND DUTIES OF THE CHIEF INFORMATION OFFICER OF THE DEPARTMENT OF DEFENSE.

Section 142(b)(1) of title 10, United States Code, is amended—

(1) in subparagraph (A), by inserting "(other than with respect to business systems and management)" after "sections 3506(a)(2)";

(2) in subparagraph (B), by striking "section 11315 of title 40" and inserting "sections 11315 and 11319 of title 40 (other than with respect to business systems and management)"; and

(3) in subparagraph (C), by striking "sections 2222, 2223(a), and 2224 of this title" and inserting "sections 2223(a) (other than with respect to business systems and management) and 2224 of this title".

SEC. 904. TECHNICAL CORRECTIONS TO DEPARTMENT OF DEFENSE TEST RESOURCE MANAGEMENT CENTER AUTHORITY.

Section 196 of title 10, United States Code, is amended in subsections (c)(1)(B) and (g) by striking "Under Secretary of Defense for Acquisition, Technology, and Logistics" and inserting "Under Secretary of Defense for Research and Engineering".

SEC. 905. SPECIFICATION OF CERTAIN DUTIES OF THE DEFENSE TECHNICAL INFORMATION CENTER.

(a) IN GENERAL.—In addition to any other duties specified for the Defense Technical Information Center by law, regulation, or Department of Defense directive or instruction, the duties of the Center shall include the following:

(1) To execute the Global Research Watch Program under section 2365 of title 10, United States Code.

(2) To develop and maintain datasets and other data repositories on research and engineering activities being conducted within the Department.

(b) ACTION PLAN.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a plan of action for the commencement by the Defense Technical Information Center of the duties specified in subsection (a).

Subtitle B—Organization and Management of Other Department of Defense Offices and Elements

SEC. 911. COMPREHENSIVE REVIEW OF OPERATIONAL AND ADMINISTRATIVE CHAINS-OF-COMMAND AND FUNCTIONS OF THE DEPARTMENT OF THE NAVY.

(a) IN GENERAL.—The Secretary of the Navy shall conduct a comprehensive review of the operational and administrative chains-of-command and functions of the Department of the Navy.

(b) ELEMENTS.—In conducting the review required by subsection (a), the Secretary shall consider options to do each of the following:

(1) Increase visibility of unit-level readiness at senior levels.

(2) Reduce so-called "double-hatting" and "triple-hatting" commanders.

(3) Clarify organizations responsible and accountable for training and certification at the unit, group, and fleet level.

(4) Simplify reporting requirements applicable to commanding officers.

(c) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the results of the review required by subsection (a). The report shall include the following:

(A) The results of the review, including any findings of the Secretary as a result of the review.

(B) Any organizational changes in operational or administrative chains-of-command or functions of the Department undertaken or to be undertaken by the Secretary in light of the review.

(C) Any recommendations for legislative or administration action with respect to the operational or administrative chains-of-command or functions of the Department the Secretary considers appropriate in light of the review.

(2) FORM.—The report under this subsection shall be submitted in unclassified form, but may include a classified annex.

SEC. 912. MODIFICATION OF CERTAIN RESPONSIBILITIES OF THE CHAIRMAN OF THE JOINT CHIEFS OF STAFF RELATING TO JOINT FORCE CONCEPT DEVELOPMENT.

Subparagraph (D) of section 153(a)(6) of title 10, United States Code, is amended to read as follows:

"(D) formulating policies for development and experimentation on both urgent and long-term concepts for joint force employment, including establishment of a process within the Joint Staff for analyzing and prioritizing gaps in capabilities that could potentially be addressed by joint concept development using existing or modified joint force capabilities;".

SEC. 913. CLARIFICATION OF CERTAIN RISK ASSESSMENT REQUIREMENTS OF THE CHAIRMAN OF THE JOINT CHIEFS OF STAFF IN CONNECTION WITH THE NATIONAL MILITARY STRATEGY.

Section 153(b) of title 10, United States Code, is amended—

(1) in paragraph (1)(D)(iii), by striking "military strategic and operational risks" and inserting "military risk"; and

(2) in paragraph (2)(B)(ii), by striking "military strategic and operational risks to United States interests and the military strategic and operational risks in executing the National Military Strategy (or update)" and inserting "military strategic risks to United States interests and military risks in executing the National Military Strategy (or update)".

SEC. 914. ASSISTANT SECRETARY OF DEFENSE FOR SPECIAL OPERATIONS AND LOW INTENSITY CONFLICT REVIEW OF UNITED STATES SPECIAL OPERATIONS COMMAND.

(a) REVIEW REQUIRED.—The Assistant Secretary of Defense for Special Operations and Low Intensity Conflict shall, in coordination with the Commander of the United States Special Operations Command, conduct a comprehensive review of the United States Special Operations Command for purposes of ensuring that the institutional and operational capabilities of special operations forces

are appropriate to counter anticipated future threats across the spectrum of conflict.

(b) SCOPE OF REVIEW.—The review required by subsection (a) shall include, at a minimum, the following:

(1) An assessment of the adequacy of special operations forces doctrine, organization, training, materiel, education, personnel, and facilities to implement the 2018 National Defense Strategy, and recommendations, if any, for modifications for that purpose.

(2) An assessment of the roles and responsibilities of special operations forces as assigned by law, Department of Defense guidance, or other formal designation, and recommendations, if any, for additions to or divestitures of such roles or responsibilities.

(3) An assessment of the adequacy of the processes through which the United States Special Operations Command evaluates and prioritizes the requirements at the geographic combatant commands for special operations forces and special operations-unique capabilities and makes recommendations on the allocation of special operations forces and special operations-unique capabilities to meet such requirements, and recommendations, if any, for modifications of such processes.

(4) Any other matters the Assistant Secretary considers appropriate.

(c) DEADLINES.—

(1) COMPLETION OF REVIEW.—The review required by subsection (a) shall be completed by not later than 270 days after the date of the enactment of this Act.

(2) REPORT.—Not later than 30 days after completion of the review, the Assistant Secretary shall submit to the congressional defense committees a report on the review, including the findings and any recommendations of the Assistant Secretary as a result of the review.

SEC. 915. EXPANSION OF PRINCIPAL DUTIES OF ASSISTANT SECRETARY OF THE NAVY FOR RESEARCH, DEVELOPMENT, AND ACQUISITION.

Section 5016(b)(4)(A) of title 10, United States Code, is amended by striking "and acquisition matters" and inserting "acquisition, and sustainment (including maintenance) matters".

SEC. 916. QUALIFICATIONS FOR APPOINTMENT AS DEPUTY CHIEF MANAGEMENT OFFICER OF A MILITARY DEPARTMENT.

(a) DEPARTMENT OF THE ARMY.—An individual may not be appointed as Deputy Chief Management Officer of the Department of the Army unless the individual—

(1) has significant experience in business operations or management in the public sector; or

(2) has significant experience managing an enterprise in the private sector.

(b) DEPARTMENT OF THE NAVY.—An individual may not be appointed as Deputy Chief Management Officer of the Department of the Navy unless the individual—

(1) has significant experience in business operations or management in the public sector; or

(2) has significant experience managing an enterprise in the private sector.

(c) DEPARTMENT OF THE AIR FORCE.—An individual may not be appointed as Deputy Chief Management Officer of the Department of the Air Force unless the individual—

(1) has significant experience in business operations or management in the public sector; or

(2) has significant experience managing an enterprise in the private sector.

SEC. 917. DEADLINE FOR COMPLETION OF FULL IMPLEMENTATION OF REQUIREMENTS IN CONNECTION WITH ORGANIZATION OF THE DEPARTMENT OF DEFENSE FOR MANAGEMENT OF SPECIAL OPERATIONS FORCES AND SPECIAL OPERATIONS.

The Secretary of Defense shall ensure that the implementation of section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2354) and the amendments made by that section is fully complete by not later than 90 days after the date of the enactment of this Act.

SEC. 918. CROSS-FUNCTIONAL TEAMS IN THE DEPARTMENT OF DEFENSE.

(a) CROSS-FUNCTIONAL TEAM ON ELECTRONIC WARFARE.—

(1) IN GENERAL.—Among the cross-functional teams established by the Secretary of Defense pursuant to subsection (c) of section 911 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2345; 10 U.S.C. 111 note) in support of the organizational strategy for the Department of Defense required by subsection (a) of that section, the Secretary shall establish a cross-functional team on electronic warfare.

(2) ESTABLISHMENT AND ACTIVITIES.—The cross-functional team established pursuant to paragraph (1) shall be established in accordance with subsection (c) of section 911 of the National Defense Authorization Act for Fiscal Year 2017, and shall be governed in its activities in accordance with the provisions of such subsection (c).

(3) DEADLINE FOR ESTABLISHMENT.—The cross-functional team required by paragraph (1) shall be established by not later than 90 days after the date of the enactment of this Act.

(b) ADDITIONAL CROSS-FUNCTIONAL TEAMS MATTERS.—

(1) CRITERIA FOR DISTINGUISHING AMONG CROSS-FUNCTIONAL TEAMS.—Not later than 60 days after the date of the enactment of this Act, the Secretary shall issue criteria that distinguish cross-functional teams under section 911 of the National Defense Authorization Act for Fiscal Year 2017 from other types of cross-functional working groups, committees, integrated product teams, and task forces of the Department.

(2) PRIMARY RESPONSIBILITY FOR IMPLEMENTATION OF TEAMS.—The Deputy Secretary of Defense shall establish or designate an office within the Department that shall have primary responsibility for implementing section 911 of the National Defense Authorization Act for Fiscal Year 2017.

SEC. 919. LIMITATION ON TRANSFER OF THE CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL DEFENSE DIVISION OF THE NAVY.

(a) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Navy shall submit

to the congressional defense committees a report that includes the following:

(1) A detailed timeline for the proposed transfer of the Chemical, Biological, and Radiological Defense Division of the Navy from Virginia to another location.

(2) A full accounting of the costs associated with the proposed transfer, including—

(A) all personnel costs;

(B) all equipment costs; and

(C) all facility renovation costs for the existing facilities of the Division and the facilities to which the Division is proposed to be transferred.

(3) A risk assessment of the operational impact of the transfer during the transition period.

(4) An explanation of the operational benefit expected to be achieved by collocating all Chemical, Biological, and Radiological elements of the Department of the Navy.

(b) LIMITATION.—The Secretary may not transfer, or prepare to transfer, the Chemical, Biological, and Radiological Defense Division of the Navy from Dahlgren, Virginia, to another location until a period of 45 days has elapsed following the date on which the report is submitted to the congressional defense committees under subsection (a).

Subtitle C—Comprehensive Pentagon Bureaucracy Reform and Reduction

SEC. 921. AUTHORITIES AND RESPONSIBILITIES OF THE CHIEF MANAGEMENT OFFICER OF THE DEPARTMENT OF DEFENSE.

(a) AUTHORITIES AND RESPONSIBILITIES.—

(1) IN GENERAL.—Subsection (b) of section 132a of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(7) Serving as the official with principal responsibility in the Department for minimizing the duplication of efforts, maximizing efficiency and effectiveness, and establishing metrics for performance among and for all organizations and elements of the Department.".

(2) BUDGET AUTHORITY.—

(A) IN GENERAL.—Such section is further amended—

(i) by redesignating subsections (c) and (d) as subsections (d) and (e), respectively; and

(ii) by inserting after subsection (b) the following new subsection (c):

"(c) BUDGET AUTHORITY.—(1)(A) Beginning in fiscal year 2020, the Secretary of Defense, acting through the Under Secretary of Defense (Comptroller), shall require the head of each Defense Agency and Department of Defense Field Activity specified by the Secretary for purposes of this subsection to transmit the proposed budget of such Agency or Activity for enterprise business operations for a fiscal year, and for the period covered by the future-years defense program submitted to Congress under section 221 of this title for that fiscal year, to the Chief Management Officer for review under subparagraph (B) at the same time the proposed budget is submitted to the Under Secretary of Defense (Comptroller).

"(B) The Chief Management Officer shall review each proposed budget transmitted under subparagraph (A) and, not later than January 31 of the year preceding the fiscal year for which the budget is proposed, shall submit to the Secretary a report containing the comments of the Chief Management Officer with respect to all such proposed budgets, together with the certification of the Chief Management Officer regarding whether each such proposed budget achieves the required level of efficiency and effectiveness for enterprise business operations, consistent with guidance for budget review established by the Chief Management Officer.

"(C) Not later than March 31 each year, the Secretary shall submit to Congress a report that includes the following:

"(i) Each proposed budget for the enterprise business operations of a Defense Agency or Department of Defense Field Activity that was transmitted to the Chief Management Officer under subparagraph (A).

"(ii) Identification of each proposed budget contained in the most recent report submitted under subparagraph (B) that the Chief Management Officer did not certify as achieving the required level of efficiency and effectiveness for enterprise business operations.

"(iii) A discussion of the actions that the Secretary proposes to take, together with any recommended legislation that the Secretary considers appropriate, to address inadequate levels of efficiency and effectiveness for enterprise business operations achieved by the proposed budgets identified in the report.

"(iv) Any additional comments that the Secretary considers appropriate regarding inadequate levels of efficiency and effectiveness for enterprise business operations achieved by the proposed budgets.

"(2) Nothing in this subsection shall be construed to modify or interfere with the budget-related responsibilities of the Director of National Intelligence.".

(B) EXECUTION OF AUTHORITY.—In order to execute the authority in subsection (c) of section 132a of title 10, United States Code (as amended by subparagraph (A)), the Chief Management Officer of the Department of Defense shall do the following:

(i) By April 1, 2019, develop an assessment of cost and expertise requirements to execute such authority.

(ii) By September 1, 2019, develop guidance for Defense Agencies and Department of Defense Field Activities to delineate spending on enterprise business operations and develop a process to determine the adequacy of their budgets for such operations.

(b) REFORM OF BUSINESS ENTERPRISE OPERATIONS IN SUPPORT OF CERTAIN ACTIVITIES ACROSS DEPARTMENT OF DEFENSE.—

(1) PERIODIC REFORM.—

(A) IN GENERAL.—Not later than January 1, 2020, and not less frequently than once every five years thereafter, the Secretary of Defense shall, acting through the Chief Management Officer of the Department of Defense, reform enterprise business operations of the Department of Defense, through reductions, eliminations, or improvements, across all organizations and elements of the Department with re-

spect to covered activities in order to increase effectiveness and efficiency of mission execution.

(B) CMO REPORTS.—Not later than January 1 of every fifth calendar year beginning with January 1, 2025, the Chief Management Officer shall submit to the congressional defense committees a report that describes the activities carried out by the Chief Management Officer under this subsection during the preceding five years, including an estimate of any cost savings achieved as a result of such activities.

(2) COVERED ACTIVITIES DEFINED.—In this subsection, the term "covered activities" means any activity relating to civilian resources management, logistics management, services contracting, or real estate management.

(3) REPORTING FRAMEWORK.—Not later than January 1, 2020, the Chief Management Officer shall establish a consistent reporting framework to establish a baseline for the costs to perform all covered activities, and shall submit to Congress a report that, for each individual covered activity performed in fiscal year 2019, identifies the following:

(A) The component or components of the Department responsible for performing such activity, and a business process map of such activity, in fiscal year 2019.

(B) The number of the military, civilian, and contractor personnel of the component or components of the Department who performed such activity in that fiscal year.

(C) The manpower requirements for such activity as of that fiscal year.

(D) The systems and other resources associated with such activity as of that fiscal year.

(E) The cost in dollars of performing such activity in fiscal year 2019.

(4) INITIAL PLAN.—Not later than February 1, 2019, the Chief Management Officer shall submit to the congressional defense committees a plan, schedule, and cost estimate for conducting the reforms required under paragraph (1)(A).

(5) CERTIFICATION OF COST SAVINGS.—Not later than January 1, 2020, the Chief Management Officer shall certify to the congressional defense committees that the savings and costs incurred as a result of activities carried out under paragraph (1) will achieve savings in fiscal year 2020 against the total amount obligated and expended for covered activities in fiscal year 2019 of—

(A) not less than 25 percent of the cost in dollars of performing covered activities in fiscal year 2019 as specified pursuant to paragraph (3)(E); or

(B) if the Chief Management Officer determines that achievement of savings of 25 percent or more will create overall inefficiencies for the Department, notice and justification will be submitted to the congressional defense committees specifying a lesser percentage of savings that the Chief Management Officer determines to be necessary to achieve efficiencies in the delivery of covered activities, which notice and justification shall be submitted by not

later than October 1, 2019, together with a description of the efficiencies to be achieved.

(6) COMPTROLLER GENERAL REPORTS.—The Comptroller General of the United States shall submit to the congressional defense committees the following:

(A) Not later than 90 days after the submittal of the plan under paragraph (4), a report that verifies whether the plan is feasible.

(B) Not later than 270 days after the date of enactment of this Act, a report setting forth an assessment of the actions taken under paragraph (1)(A) since the date of the enactment of this Act.

(C) Not later than 270 days after the submittal of the reporting framework under paragraph (3), a report that verifies whether the baseline established in the framework is accurate.

(D) Not later than 270 days after the submittal of the report under paragraph (5), a report that verifies—

(i) whether the activities described in the report were carried out; and

(ii) whether any cost savings estimated in the report are accurate.

SEC. 922. ANALYSIS OF DEPARTMENT OF DEFENSE BUSINESS MANAGEMENT AND OPERATIONS DATASETS TO PROMOTE SAVINGS AND EFFICIENCIES.

(a) IN GENERAL.—The Chief Management Officer of the Department of Defense shall develop a policy on analysis of Department of Defense datasets on business management and business operations by the public for purposes of accessing data analysis capabilities that would promote savings and efficiencies and otherwise enhance the utility of such datasets to the Department.

(b) INITIAL DISCHARGE OF POLICY.—

(1) IN GENERAL.—The Chief Management Officer shall commence the discharge of the policy required pursuant to subsection (a) by—

(A) identifying one or more matters—

(i) that are of significance to the Department of Defense;

(ii) that are currently unresolved; and

(iii) whose resolution from a business management or business operations dataset of the Department could benefit from a method or technique of analysis not currently familiar to the Department;

(B) identifying between three and five business management or business operations datasets of the Department not currently available to the public whose evaluation could result in novel data analysis solutions toward management or operations problems of the Department identified by the Chief Management Officer; and

(C) encouraging, whether by competition or other mechanisms, the evaluation of the datasets described in subparagraph (B) by appropriate persons and entities in the public or private sector (including academia).

(2) PROTECTION OF SECURITY AND CONFIDENTIALITY.—In providing for the evaluation of datasets pursuant to this sub-

section, the Chief Management Officer shall take appropriate actions to protect the security and confidentiality of any information contained in the datasets, including through special precautions to ensure that any personally identifiable information is not included and no release of information will adversely affect national security missions.

SEC. 923. PERIODIC REVIEW OF THE DEFENSE AGENCIES AND DEPARTMENT OF DEFENSE FIELD ACTIVITIES BY THE CHIEF MANAGEMENT OFFICER OF THE DEPARTMENT OF DEFENSE.

(a) PERIODIC REVIEW.—Subsection (c) of section 192 of title 10, United States Code, is amended—

(1) by redesignating paragraph (2) as paragraph (3); and

(2) by inserting before paragraph (3), as so redesignated, the following new paragraphs:

"(1)(A) Not later than January 1, 2020, and periodically (but not less frequently than every four years) thereafter, the Chief Management Officer of the Department of Defense shall conduct a review of the efficiency and effectiveness of each Defense Agency and Department of Defense Field Activity. Each review shall, to the maximum extent practicable, be conducted in coordination with other ongoing efforts in connection with business enterprise reform.

"(B) As part of each review under this paragraph, the Chief Management Officer shall identify each activity of an Agency or Activity that is substantially similar to, or duplicative of, an activity carried out by another organization or element of the Department of Defense, or is not being performed to an adequate level to meet Department needs.

"(C) For purposes of conducting reviews under this paragraph, the Chief Management Officer shall develop internal guidance that defines requirements for such reviews and provides clear direction for conducting and recording the results of reviews.

"(2)(A) Not later than 90 days after the completion of a review under paragraph (1), the Chief Management Officer shall submit to the congressional defense committees a report that sets forth the results of the review.

"(B) The report on a review under this paragraph shall, based on the results of the review, include the following:

"(i) A list of each Defense Agency and Department of Defense Field Activity that the Chief Management Officer has determined—

"(I) operates efficiently and effectively; and

"(II) does not carry out any function that is substantially similar to, or duplicative of, a function carried out by another organization or element of the Department of Defense.

"(ii) With respect to each Agency or Activity not included on the list under clause (i), a plan, aimed at better meeting Department needs, for—

"(I) rationalizing the functions within such Agency or Activity; or

"(II) transferring some or all of the functions of such Agency or Activity to another organization or element of the Department.

"(iii) Recommendations for functions, if any, currently conducted separately by the military departments that should be consolidated into an Agency or Activity.".

(b) REPEAL OF SPECIAL RULE FOR DEFENSE BUSINESS TRANSFORMATION AGENCY.—Such section is further amended by striking subsection (e).

(c) LIMITATION ON TERMINATION.—Such section is further amended by adding at the end the following new subsection (e):

"(e) LIMITATION ON TERMINATION.—The Secretary of Defense may not terminate a Defense Agency or Department of Defense Field Activity until 30 days after the date on which the Secretary submits to the congressional defense committees a report setting forth the following:

"(1) Notice of the intent of the Secretary to terminate the Agency or Activity.

"(2) Such recommendations for legislative action as the Secretary considers appropriate in connection with the termination of the Agency or Activity.".

SEC. 924. ACTIONS TO INCREASE THE EFFICIENCY AND TRANSPARENCY OF THE DEFENSE LOGISTICS AGENCY.

(a) SYSTEM AND CAPABILITY.—Not later than January 1, 2020, the Director of the Defense Logistics Agency and the Chief Management Officer of the Department of Defense shall jointly, in consultation with the customers served by the Agency, develop and implement—

(1) a comprehensive system that enables customers of the Agency to view—

(A) the inventory of items and materials available to customers from the Agency; and

(B) the delivery status of items and materials that are in transit to customers; and

(2) a predictive analytics capability designed to increase the efficiency of the system described in paragraph (1) by identifying emerging customer needs with respect to items and materials supplied by the Agency, including any emerging needs arising from the use of new weapon systems by customers.

(b) ACTIONS TO INCREASE EFFICIENCY.—Not later than January 1, 2020, the Director and the Chief Management Officer shall jointly—

(1) develop a plan to reduce the rates charged by the Agency to customers, in aggregate—

(A) by not less than 10 percent; or

(B) if the Chief Management Officer determines that a reduction of rates in aggregate of 10 percent or more will create overall inefficiencies for the Department, by such percentage less than 10 percent as the Chief Management Officer considers appropriate to avoid such inefficiencies, but only after notifying the congressional defense committees of such lesser percentage in reduction of rates pursuant to this subparagraph;

(2) eliminate the duplication of services within the Agency; and

(3) establish specific goals and metrics to ensure that the Agency is fulfilling its mission of providing items and materials

to customers with sufficient speed and in sufficient quantities to ensure the lethality and readiness of warfighters.

(c) PLAN REQUIRED.—Not later than February 1, 2019, the Director and the Chief Management Officer shall jointly submit to the congressional defense committees a plan that describes how the Director and the Chief Management Officer will achieve compliance with the requirements of subsections (a) and (b).

SEC. 925. REVIEW OF FUNCTIONS OF DEFENSE CONTRACT AUDIT AGENCY AND DEFENSE CONTRACT MANAGEMENT AGENCY.

(a) REVIEW.—The Secretary of Defense shall, acting through the Chief Management Officer of the Department of Defense, direct the Under Secretary of Defense for Acquisition and Sustainment and the Under Secretary of Defense (Comptroller) to conduct a joint review of the functions of the Defense Contract Audit Agency and the Defense Contract Management Agency. The review shall include the following:

(1) A validation of the missions and functions of each Agency.

(2) An assessment of the effectiveness of each Agency in performing designated functions, including identification and analysis of qualitative and quantitative metrics of performance.

(3) An assessment of the adequacy of the resources, authorities, workforce training, and size of each Agency to perform designated functions.

(4) An assessment of cost savings or avoidance attributable to the conduct of the activities of each Agency.

(5) A determination whether functions performed by either Agency could be performed more appropriately and effectively by any combination of the following:

(A) The other Agency.

(B) Any other organization or element of the Department of Defense, including the military departments.

(C) Commercial providers.

(6) A validation of the continued need for two separate Agencies with oversight for defense contracting.

(b) REPORT.—Not later than March 1, 2020, the Secretary of Defense shall submit to the congressional defense committees a report that sets forth the results of the review conducted under subsection (a).

SEC. 926. REVIEW AND IMPROVEMENT OF THE OPERATIONS OF THE DEFENSE FINANCE AND ACCOUNTING SERVICE.

(a) IN GENERAL.—Not later than March 1, 2020, the Chief Management Officer of the Department of Defense and the Under Secretary of Defense (Comptroller) shall conduct a joint review of the activities of the Defense Finance and Accounting Service. The review shall include the following:

(1) A validation of the missions and functions of the Service.

(2) An assessment of the effectiveness of the Service in performing designated functions, including identification and analysis of qualitative and quantitative metrics of performance.

(3) An assessment of the resources, authorities, workforce training, and size of the Service to perform designated functions.

(4) An assessment of changes required to the mission and activities of the Service based on the availability and application of current and potential future information technology capabilities.

(5) A determination whether any functions currently performed by the Service could be performed more appropriately and effectively by any combination of the following:

(A) Any other organization or element of the Department of Defense, including the military departments.

(B) Commercial providers.

(6) A determination whether any functions currently performed by other organizations or elements of the Department could be consolidated within the Service in order to promote effectiveness and reduce duplicative effort.

(b) REPORT.—Not later than March 1, 2020, the Secretary of Defense shall submit to the congressional defense committees a report setting forth the results of the review conducted under subsection (a).

SEC. 927. ASSESSMENT OF CHIEF INFORMATION OFFICER FUNCTIONS IN CONNECTION WITH TRANSITION TO ENTERPRISE-WIDE MANAGEMENT OF INFORMATION TECHNOLOGY AND COMPUTING.

(a) ASSESSMENT REQUIRED.—The Chief Information Officer of the Department of Defense shall, in conjunction with the Chief Management Officer of the Department of Defense, conduct an assessment of chief information officer functions in the Department of Defense with a view toward the rationalization of such functions across the Defense Agencies and Department of Defense Field Activities in a manner consistent with the plans of the Department for a transition to enterprise-wide management of information technology (IT) networks and computing.

(b) ELEMENTS.—The assessment conducted pursuant to subsection (a) shall result in the following:

(1) A determination of the number, duties and responsibilities, and grades of personnel performing management and oversight of information technology activities.

(2) Recommendations for the role the Chief Information Officer in managing the information technology workforce in the Office of the Secretary of Defense, and for selecting and approving personnel for the information technology workforces of the military departments, Defense Agencies, and Department of Defense Field Activities.

(c) REPORT REQUIRED.—Not later than February 1, 2019, the Chief Information Officer and the Chief Management Officer shall jointly submit to the congressional defense committees a report that sets forth a description of the results of the assessment conducted pursuant to subsection (a), including a description of any actions proposed as a result of the assessment to achieve enterprise-wide efficiencies in the management of information technology networks and computing.

(d) PLAN REQUIRED.—Not later than January 1, 2020, the Chief Information Officer and the Chief Management Officer shall jointly submit to the congressional defense committees a report setting forth a plan to carry out the proposed actions described in subsection (c).

SEC. 928. COMPTROLLER GENERAL OF THE UNITED STATES REPORT ON CROSS-ENTERPRISE ACTIVITIES OF THE INSPECTORS GENERAL OF THE DEPARTMENT OF DEFENSE.

(a) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, the Comptroller General of the United States shall submit to Congress a report on cross-enterprise activities of the Inspectors General of the organizations and elements of the Department of Defense, including public affairs, human resources, services contracting, other contracting, and any other cross-enterprise activities of the Inspectors General the Comptroller General considers appropriate for purposes of the report.

(b) ELEMENTS.—The report under subsection (a) shall identify with respect to the activities referred to in that subsection the following:

(1) Opportunities to maximize efficiency.

(2) Opportunities to minimize duplication of effort, including through reduction or elimination of duplicative functions.

(3) Any other matters the Comptroller General considers appropriate.

SEC. 929. GENERAL PROVISIONS.

(a) CONSOLIDATED REPORT.—The plans and reports required to be submitted to the congressional defense committees under this subtitle on or before March 1, 2020, may be combined and submitted in the form of a single, consolidated document.

(b) DEFINITIONS.—In this subtitle, the terms "Defense Agency", "Department of Defense Field Activity", and "military departments" have the meanings given the terms in section 101(a) of title 10, United States Code.

Subtitle D—Other Department of Defense Organization and Management Matters

SEC. 931. LIMITATION ON AVAILABILITY OF FUNDS FOR MAJOR HEADQUARTERS ACTIVITIES OF THE DEPARTMENT OF DEFENSE.

(a) CERTIFICATION ON AVERAGE AMOUNTS EXPENDED ON MAJOR HEADQUARTERS ACTIVITIES.—Not later than February 1, 2019, the Under Secretary of Defense (Comptroller) shall submit to the congressional defense committees a report that certifies each of the following percentages in connection with amounts expended on major headquarters activities:

(1) The average percentage of the amount authorized to be appropriated for the Department of Defense per fiscal year, during the 10 fiscal years ending with fiscal year 2018, that has been expended on major headquarters activities.

(2) The average percentage of the amount authorized to be appropriated for the Department of Defense per fiscal year, during the 10 fiscal years ending with fiscal year 2018, that has been expended on major headquarters activities of the Office of the Secretary of Defense.

(3) The average percentage of the amount authorized to be appropriated for each military department per fiscal year, during the 10 fiscal years ending with fiscal year 2018, that has been expended on major headquarters activities of such military department.

(4) The average percentage of the amount authorized to be appropriated for the Department of Defense per fiscal year, during the 10 fiscal years ending with fiscal year 2018, and available for the combatant commands that has been spent on major headquarters activities of the combatant commands.

(b) OVERALL LIMITATION.—In fiscal year 2021, the aggregate amount that may be obligated and expended on major headquarters activities may not exceed an amount equal to the percentage specified in subsection (a)(1) of the amount authorized to be appropriated for the Department of Defense for that fiscal year.

(c) LIMITATION FOR PARTICULAR ACTIVITIES.—Within the amount available for fiscal year 2021 pursuant to subsection (b), amounts shall be available as follows:

(1) For major headquarters activities of the Office of the Secretary of Defense, not more than an amount equal to the percentage specified in subsection (a)(2) of the amount authorized to be appropriated for the Department of Defense for fiscal year 2021.

(2) For major headquarters activities of each military department, not more than an amount equal to the percentage specified in subsection (a)(3) with respect to such military department of the amount authorized to be appropriated for such military department for fiscal year 2021.

(3) For major headquarters activities of the combatant commands, not more than an amount equal to the percentage specified in subsection (a)(4) of the amount authorized to be appropriated for the Department of Defense for fiscal year 2021 and available for the combatant commands.

(d) DEFINITIONS.—In this section:

(1) The term "major headquarters activities" has the meaning given the term "major Department of Defense headquarters activities" in section 346(b)(3) of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 111 note).

(2) The term "major headquarters activities of a military department" means the following:

(A) In the case of the Army, the Office of the Secretary of the Army and the Army Staff.

(B) In the case of the Navy, the Office of the Secretary of the Navy, the Office of the Chief of Naval Operations, and Headquarters, Marine Corps.

(C) In the case of the Air Force, the Office of the Secretary of the Air Force and the Air Staff.

(3) The term "Office of the Secretary of Defense" includes the Joint Staff.

SEC. 932. JOHN S. MCCAIN STRATEGIC DEFENSE FELLOWS PROGRAM.

(a) FELLOWSHIP PROGRAM.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall establish within the Department of Defense a civilian fellowship program designed to provide leadership development and the commencement of a career track toward senior leadership in the Department.

(2) DESIGNATION.—The fellowship program shall be known as the "John S. McCain Strategic Defense Fellows Program" (in this section referred to as the "fellows program").

(b) ELIGIBILITY.—An individual is eligible for participation in the fellows program if the individual—

(1) is a citizen of the United States or a lawful permanent resident of the United States in the year in which the individual applies for participation in the fellows program; and

(2) either—

(A) possesses a graduate degree from an accredited institution of higher education in the United States that was awarded not later than two years before the date of the acceptance of the individual into the fellows program; or

(B) will be awarded a graduate degree from an accredited institution of higher education in the United States not later than six months after the date of the acceptance of the individual into the fellows program.

(c) APPLICATION.—

(1) APPLICATION REQUIRED.—Each individual seeking to participate in the fellows program shall submit to the Secretary of Defense an application therefor at such time and in such manner as the Secretary shall specify.

(2) ELEMENTS.—Each application of an individual under this subsection shall include the following:

(A) Transcripts of educational achievement at the undergraduate and graduate level.

(B) A resume.

(C) Proof of citizenship or lawful permanent residence.

(D) An endorsement from the applicant's graduate institution of higher education.

(E) An academic writing sample.

(F) Letters of recommendation addressing the applicant's character, academic ability, and any extracurricular activities.

(G) A personal statement by the applicant explaining career areas of interest and motivations for service in the Department.

(H) Such other information as the Secretary considers appropriate.

(d) SELECTION.—

(1) IN GENERAL.—Each year, the Secretary of Defense shall select participants in the fellows program from among applicants for the fellows program for such year who qualify for participation in the fellows program based on character, commitment to public service, academic achievement, extracurricular activities, and such other qualifications for participation in the fellows program as the Secretary considers appropriate.

(2) NUMBER.—The number of individuals selected to participate in the fellows program in any year may not exceed the numbers as follows:

(A) Ten individuals from each geographic region of the United States as follows:

(i) The Northeast.

(ii) The Southeast.

(iii) The Midwest.

(iv) The Southwest.

(v) The West.

(B) Ten additional individuals.

(3) BACKGROUND INVESTIGATION.—An individual selected to participate in the fellows program may not participate in the program unless the individual successfully undergoes a background investigation applicable to the position to which the individual will be assigned under the fellows program and otherwise meets such requirements applicable to assignment to a sensitive position within the Department that the Secretary considers appropriate.

(e) ASSIGNMENT.—

(1) IN GENERAL.—Each individual who participates in the fellows program shall be assigned to a position in one of the following:

(A) The Office of the Secretary of Defense.

(B) An office of the Secretary of a military department.

(2) POSITION REQUIREMENTS.—Each Secretary of a military department, and each Under Secretary of Defense and Director of a Defense Agency who reports directly to the Secretary of Defense, shall submit to the Secretary of Defense each year the qualifications and skills to be demonstrated by participants in the fellows program to qualify for assignment under this subsection for service in a position of the office of such Secretary, Under Secretary, or Director.

(3) ASSIGNMENT TO POSITIONS.—The Secretary of Defense shall each year assign participants in the fellows program to positions in the offices of the Secretaries of the military departments, and the offices of the Under Secretaries and Directors described in paragraph (2). In making such assignments, the Secretary of Defense shall seek to best match the qualifications and skills of participants in the fellows program with the requirements of positions available for assignment. Each participant so assigned shall serve as a special assistant to the Secretary, Under Secretary, or Director to whom assigned.

(4) LIMITATION ON NUMBER ASSIGNABLE TO SECRETARIES OF MILITARY DEPARTMENTS.—The number of participants in the fellows program who are assigned to the office of a Secretary of a military department in any year may not exceed five participants.

(5) TERM.—The term of each assignment under the fellows program shall be one year.

(6) PAY AND BENEFITS.—An individual assigned to a position under the fellows program shall be compensated at the rate of compensation for employees at level GS–10 of the General Schedule, and shall be treated as an employee of the United States during the term of assignment, including for purposes of eligibility for health care benefits and retirement benefits available to employees of the United States.

(7) EDUCATION LOAN REPAYMENT.—To the extent that funds are provided in advance in appropriations Acts, the Secretary of Defense may repay any loan of a participant in the fellows program if the loan is described by subparagraph (A), (B), or (C) of section 16301(a)(1) of title 10, United States Code. Any repayment of loans under this paragraph shall be on a first-come, first-served basis.

(f) CAREER DEVELOPMENT.—

(1) IN GENERAL.—The Secretary of Defense shall ensure that participants in the fellows program—

(A) receive opportunities and support appropriate for the commencement of a career track within the Department leading toward a future position of senior leadership within the Department, including ongoing mentorship support through appropriate personnel from entities within the Department such as the Defense Business Board and the Defense Innovation Board; and

(B) are provided appropriate opportunities for employment and advancement within the Department upon successful completion of the fellows program, including, if appropriate, opportunities to work at Department installations or Field Activities for between 12 and 24 months.

(2) RESERVATION OF POSITIONS.—In carrying out paragraph (1)(B), the Secretary shall reserve for participants who successfully complete the fellows program not fewer than 30 positions in the excepted service within the Department that are suitable for the commencement of a career track toward senior leadership within the Department. Any position so reserved shall not be subject to or covered by any reduction in headquarters personnel required under any other provision of law.

(3) NONCOMPETITIVE APPOINTMENT.—Upon the successful completion of the assignment of a participant in the fellows program in a position pursuant to subsection (e), the Secretary may, without regard to the provisions of subchapter I of chapter 33 of title 5, United States Code, appoint the participant to a position reserved pursuant to paragraph (2) if the Secretary determines that such appointment will contribute to the development of highly qualified future senior leaders for the Department.

(4) PUBLICATION OF SELECTION.—The Secretary shall publish on an Internet website of the Department available to the public the names of the individuals selected to participate in the fellows program.

(g) OUTREACH.—The Secretary of Defense shall undertake appropriate outreach to inform potential participants in the fellows program of the nature and benefits of participation in the fellows program.

(h) REGULATIONS.—The Secretary of Defense shall carry out this section in accordance with such regulations as the Secretary may prescribe for purposes of this section.

(i) FUNDING.—Of the amounts authorized to be appropriated for each fiscal year for the Department of Defense for operation and maintenance, Defense-wide, $10,000,000 may be available to carry out the fellows program in such fiscal year.

SEC. 933. PERFORMANCE OF CIVILIAN FUNCTIONS BY MILITARY PERSONNEL.

Section 129a(g)(1)(A) of title 10, United States Code, is amended by striking ", including a permanent conversion" and all that follows through the semicolon and inserting "is cost-effective, taking into account the fully-burdened costs of the civilian, military, and contractor workforces, including the impact of the performance of such functions on military career progression or when required by military necessity;".

SEC. 934. REPORT ON IMPLEMENTATION OF REQUIREMENTS ON ESTIMATION AND COMPARISON OF COSTS OF CIVILIAN AND MILITARY MANPOWER AND CONTRACT SUPPORT FOR THE DEPARTMENT OF DEFENSE.

Not later than March 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a report on the implementation of Department of Defense Instruction 7041.04. The report shall include an assessment whether the Department of Defense is properly using civilian personnel in its workforce in the most cost-efficient manner when compared to its use of military and contractor personnel in its workforce.

SEC. 935. REVIEW OF FOREIGN CURRENCY EXCHANGE RATES AND ANALYSIS OF FOREIGN CURRENCY FLUCTUATIONS, DEFENSE APPROPRIATION.

(a) IN GENERAL.—The Under Secretary of Defense (Comptroller) shall, in coordination with the Comptrollers of the military departments, conduct a review of the exchange rates for foreign currency used when making a disbursement pursuant to any expenditure or expense made by the Department of Defense in order to determine whether cost-savings could be achieved through a more consistent selection of cost-effective rates in the making of such disbursements. The review shall include an analysis of realized and projected losses on foreign currency exchange in order to determine an appropriate balance for the "Foreign Currency Fluctuations, Defense" account.

(b) REPORT.—Not later than January 31, 2019, the Under Secretary shall submit to the congressional defense committees a report setting forth a summary of the review conducted pursuant to subsection (a).

SEC. 936. RESPONSIBILITY FOR POLICY ON CIVILIAN CASUALTY MATTERS.

(a) DESIGNATION OF SENIOR CIVILIAN OFFICIAL.—Not later than 90 days after the date of the enactment of this Act, the Under Secretary of Defense for Policy shall designate a senior civilian official of the Department of Defense within the Office of the Secretary of Defense at or above the level of Assistant Secretary of Defense to develop, coordinate, and oversee compliance with the policy of the Department relating to civilian casualties resulting from United States military operations.

(b) RESPONSIBILITIES.—The senior civilian official designated under subsection (a) shall ensure that the policy referred to in that subsection provides for—

(1) uniform processes and standards across the combatant commands for accurately recording kinetic strikes by the United States military;

(2) the development and dissemination of best practices for reducing the likelihood of civilian casualties from United States military operations;

(3) the development of publicly available means, including an Internet-based mechanism, for the submittal to the United States Government of allegations of civilian casualties resulting from United States military operations;

(4) uniform processes and standards across the combatant commands for reviewing and investigating allegations of civilian casualties resulting from United States military operations, including the consideration of relevant information from all available sources;

(5) uniform processes and standards across the combatant commands for—

(A) acknowledging the responsibility of the United States military for civilian casualties resulting from United States military operations; and

(B) offering ex gratia payments to civilians who have been injured, or to the families of civilians killed, as a result of United States military operations, as determined to be necessary by the designated senior civilian official;

(6) regular engagement with relevant intergovernmental and nongovernmental organizations;

(7) public affairs guidance with respect to matters relating to civilian casualties alleged or confirmed to have resulted from United States military operations; and

(8) such other matters with respect to civilian casualties resulting from United States military operations as the designated senior civilian official considers appropriate.

(c) REPORT.—Not later than 180 days after the date of the enactment of this Act, the senior civilian official designated under subsection (a) shall submit to the congressional defense committees a report that describes—

(1) the policy developed by the senior civilian official under that subsection; and

(2) the efforts of the Department to implement such policy.

SEC. 937. ADDITIONAL MATTERS IN CONNECTION WITH BACKGROUND AND SECURITY INVESTIGATIONS FOR DEPARTMENT OF DEFENSE PERSONNEL.

Section 925(k)(3) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) by redesignating subparagraphs (H) through (L) as subparagraphs (I) through (M), respectively; and

(2) by inserting after subparagraph (G) the following new subparagraph (H):

"(H) The number of denials or revocations of a security clearance by each authorized adjudicative agency that occurred separately from a periodic reinvestigation.".

SEC. 938. RESEARCH AND DEVELOPMENT TO ADVANCE CAPABILITIES OF THE DEPARTMENT OF DEFENSE IN DATA INTEGRATION AND ADVANCED ANALYTICS IN CONNECTION WITH PERSONNEL SECURITY.

(a) PLAN REQUIRED.—The Under Secretary of Defense for Intelligence shall develop a plan on research and development activities to advance the capabilities of the Department of Defense in data integration and advanced analytics in connection with personnel security activities of the Department. The plan shall, to the extent practicable, provide for the leveraging of the capabilities of other government entities, institutions of higher education, and private sector entities with advanced, leading-edge expertise in data integration and analytics applicable to the challenges faced by the Department in connection with personnel security.

(b) COORDINATION.—Any activities under the plan may be carried out in coordination with the Defense Digital Service and the Defense Innovation Board.

(c) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary shall provide to the appropriate committees of Congress a briefing on the plan.

(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Armed Services, the Committee on Appropriations, and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Armed Services, the Committee on Appropriations, and the Permanent Select Committee on Intelligence of the House of Representatives.

Subtitle E—Other Matters

SEC. 941. TRUSTED INFORMATION PROVIDER PROGRAM FOR NATIONAL SECURITY POSITIONS AND POSITIONS OF TRUST.

(a) PROGRAM REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent and the Suitability/Credentialing Executive Agent shall establish and implement a program (to be known as the "Trusted Information Provider Program") to share between and among agencies of the Federal Government and industry partners of the Federal Government relevant background information regarding individuals applying for and currently occupying national security positions and positions of trust, in order to ensure the Federal Government maintains a trusted workforce.

(b) PRIVACY SAFEGUARDS.—The Security Executive Agent and the Suitability/Credentialing Executive Agent shall ensure that the program required by subsection (a) includes such safeguards for privacy as the Security Executive Agent and the Suitability/Credentialing Executive Agent consider appropriate.

(c) PROVISION OF INFORMATION TO THE FEDERAL GOVERNMENT.—The program required by subsection (a) shall include requirements that enable Investigative Service Providers and agencies of the Federal Government to leverage certain pre-employment information gathered during the employment or military recruiting process, and other relevant security or human resources information obtained during employment with or for the Federal Government, that satisfy Federal investigative standards, while safeguarding personnel privacy.

(d) INFORMATION AND RECORDS.—The information and records considered under the program required by subsection (a) shall include the following:

(1) Date and place of birth.

(2) Citizenship or immigration and naturalization information.

(3) Education records.

(4) Employment records.

(5) Employment or social references.

(6) Military service records.

(7) State and local law enforcement checks,

(8) Criminal history checks.

(9) Financial records or information.

(10) Foreign travel, relatives or associations.

(11) Social media checks.

(12) Any other information or records relevant to obtaining or maintaining national security, suitability, fitness, or credentialing eligibility.

(e) IMPLEMENTATION PLAN.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent and the Suitability/Credentialing Executive Agent shall jointly submit to Congress a plan for the implementation of the program required by subsection (a).

(2) ELEMENTS.—The plan required by paragraph (1) shall include the following:

(A) Mechanisms that address privacy, national security, suitability or fitness, credentialing, and human resources or military recruitment processes.

(B) Such recommendations for legislative or administrative action as the Security Executive Agent and the Suitability/Credentialing Executive Agent consider appropriate to carry out or improve the program.

(f) DEFINITIONS.—In this section:

(1) The term "Security Executive Agent" means the Director of National Intelligence acting as the Security Executive Agent in accordance with Executive Order 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note).

(2) The term "Suitability/Credentialing Executive Agent" means the Director of the Office of Personnel Management acting as the Suitability/Credentialing Executive Agent in accordance with Executive Order 13467.

SEC. 942. REPORT ON EXPEDITED PROCESSING OF SECURITY CLEARANCES FOR MISSION-CRITICAL POSITIONS.

(a) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall submit to Congress a report on the feasibility and advisability of, and existing barriers to, programs for expedited processing of security clearances for mission-critical positions, whether filled by Government or contract employees.

(b) ELEMENTS.—The report under subsection (a) shall include the following:

(1) Recommendations for the establishment by Government agencies of programs designed to prioritize processing of security clearances among their Government and contract employees seeking security clearances.

(2) Proposed timeliness for the implementation of programs recommended pursuant to paragraph (1).

(3) Recommendations for legislative or administrative actions to enable and improve programs of Government agencies for the expedited processing of security clearances for mission-critical positions.

(c) SECURITY EXECUTIVE AGENT DEFINED.—In this section, the term "Security Executive Agent" means the Director of National Intelligence acting as the Security Executive Agent in accordance with Executive Order 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note).

SEC. 943. REPORT ON CLEARANCE IN PERSON CONCEPT.

(a) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Security Executive Agent shall sub-

mit to the appropriate committees of Congress a report on the requirements, feasibility, and advisability of implementing a clearance in person concept as described in subsection (b) for maintaining access to classified information.

(b) CLEARANCE IN PERSON CONCEPT.—

(1) IN GENERAL.—Implementation of a clearance in person concept as described in this subsection would permit an individual who has been granted a national security clearance to maintain eligibility for access to classified information, networks, and facilities after the individual has separated from service to the Federal Government or transferred to a position that no longer requires access to classified information.

(2) RECOGNITION AS CURRENT.—The concept described in paragraph (1) would also ensure that, unless otherwise directed by the Security Executive Agent, the individual's security clearance would be recognized as current, regardless of employment status, with no further need for investigation or revalidation until the individual obtains a position requiring access to classified information.

(c) CONTENTS.—The report required by subsection (a) shall address the following:

(1) Requirements for continuous vetting.

(2) Appropriate safeguards for privacy.

(3) An appropriate funding model.

(4) Fairness to small business concerns and independent contractors.

(d) DEFINITIONS.—In this section:

(1) The term "appropriate committees of Congress" means—

(A) the Committee on Armed Services, the Committee on Appropriations, and the Select Committee on Intelligence of the Senate; and

(B) the Committee on Armed Services, the Committee on Appropriations, and the Permanent Select Committee on Intelligence of the House of Representatives.

(2) The term "Security Executive Agent" means the Director of National Intelligence acting as the Security Executive Agent in accordance with Executive Order 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note).

TITLE X—GENERAL PROVISIONS

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Sec. 1041. Strategic guidance documents within the Department of Defense.
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Sec. 1064. Activities and reporting relating to Department of Defense's Cloud Initiative.
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Sec. 1067. Munitions assessments and future-years defense program requirements.
Sec. 1068. Report on establishment of Army Futures Command.
Sec. 1069. Report on cyber-enabled information operations.
Sec. 1070. Report on unmanned aircraft in Arlington National Cemetery.
Sec. 1071. Report on an updated Arctic strategy.
Sec. 1072. Report on use and availability of military installations for disaster response.
Sec. 1073. Report on Department of Defense participation in Export Administration Regulations license application review process.
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Subtitle F—Other Matters

Sec. 1081. Technical, conforming, and clerical amendments.
Sec. 1082. Principal Advisor on Countering Weapons of Mass Destruction.
Sec. 1083. Modification of authority to transfer aircraft to other departments for wildfire suppression purposes.
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Sec. 1085. Disclosure requirements for United States-based foreign media outlets.
Sec. 1086. United States policy with respect to freedom of navigation and overflight.
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Sec. 1088. Sense of Congress regarding the international borders of the United States.
Sec. 1089. Policy on response to juvenile-on-juvenile problematic sexual behavior committed on military installations.
Sec. 1090. Recognition of America's veterans.
Sec. 1091. Prohibition of funds for Chinese language instruction provided by a Confucius Institute.
Sec. 1092. Department of Defense engagement with certain nonprofit entities in support of missions of deployed United States personnel around the world.

Subtitle A—Financial Matters

SEC. 1001. GENERAL TRANSFER AUTHORITY.

(a) AUTHORITY TO TRANSFER AUTHORIZATIONS.—

(1) AUTHORITY.—Upon determination by the Secretary of Defense that such action is necessary in the national interest, the Secretary may transfer amounts of authorizations made available to the Department of Defense in this division for fiscal year 2019 between any such authorizations for that fiscal year (or any subdivisions thereof). Amounts of authorizations so transferred shall be merged with and be available for the same purposes as the authorization to which transferred.

(2) LIMITATION.—Except as provided in paragraph (3), the total amount of authorizations that the Secretary may transfer under the authority of this section may not exceed $4,500,000,000.

(3) EXCEPTION FOR TRANSFERS BETWEEN MILITARY PERSONNEL AUTHORIZATIONS.—A transfer of funds between military personnel authorizations under title IV shall not be counted toward the dollar limitation in paragraph (2).

(b) LIMITATIONS.—The authority provided by subsection (a) to transfer authorizations—

(1) may only be used to provide authority for items that have a higher priority than the items from which authority is transferred; and

(2) may not be used to provide authority for an item that has been denied authorization by Congress.

(c) EFFECT ON AUTHORIZATION AMOUNTS.—A transfer made from one account to another under the authority of this section shall be deemed to increase the amount authorized for the account to which the amount is transferred by an amount equal to the amount transferred.

(d) NOTICE TO CONGRESS.—The Secretary shall promptly notify Congress of each transfer made under subsection (a).

SEC. 1002. EXPERTISE IN AUDIT REMEDIATION.

(a) TECHNICAL CORRECTIONS.—

(1) ELIMINATION OF DUPLICATIVE SECTION NUMBERS.—

(A) IN GENERAL.—Chapter 9A of title 10, United States Code, is amended by redesignating sections 251 through 254b as sections 240a through 240f, respectively.

(B) CLERICAL AMENDMENTS.—The table of sections at the beginning of such chapter is amended by striking the items relating to sections 251 through 254b and inserting the following new items:

"240a. Audit of Department of Defense financial statements.
"240b. Financial Improvement and Audit Remediation Plan.
"240c. Audit: consolidated corrective action plan; centralized reporting system.
"240d. Audits: audit of financial statements of Department of Defense components by independent external auditors.
"240e. Audits: use of commercial data integration and analysis products in preparing audits.
"240f. Audits: selection of service providers for audit services.".

(2) OTHER TECHNICAL CORRECTION.—Section 240b of title 10, United States Code, as redesignated by paragraph (1), is amended in subsection (a)(2) by redesignating the second clause (iii) and clause (iv) as clauses (iv) and (v), respectively.

(b) ADDITIONAL REQUIREMENTS FOR SEMIANNUAL BRIEFING ON THE FINANCIAL IMPROVEMENT AND AUDIT REMEDIATION PLAN.—Paragraph (2) of subsection (b) of section 240b of title 10, United States Code, as redesignated by subsection (a), is amended by adding at the end the following new sentence: "Such briefing shall include both the absolute number and percentage of personnel performing the amount of auditing or audit remediation services being performed by professionals meeting the qualifications described in section 240d(b) of this title.".

(c) ADDITIONAL REPORTING REQUIREMENTS.—Paragraph (1) of such subsection is amended—

(1) in subparagraph (B), by adding at the end the following new clauses:

"(vii) If less than 50 percent of the auditing services or if less than 50 percent of the audit remediation services under contract, as described in the briefing required under paragraph (2), are being performed by professionals meeting the qualifications described in section 240d(b) of this title, a detailed description of the risks associated with the risks of the acquisition strategy of the Department with respect to conducting audits and audit remediation activities and an explanation of how the strategy complies with the policies expressed by Congress.

"(viii) If less than 25 percent of the auditing services or if less than 25 percent of the audit remediation services under contract, as described in the briefing required under paragraph (2), are being performed by professionals meeting the qualifications described in section 240d(b) of this title, a written certification that the staffing ratio complies with commercial best practices and presents no increased risk of delay in the Department's ability to achieve a clean audit opinion."; and

(2) by adding at the end the following new subparagraph: "(C) ADDITIONAL REQUIREMENTS.—

"(i) UNCLASSIFIED FORM.—A description submitted pursuant to clause (vii) of subparagraph (B) or a certification submitted pursuant to clause (viii) of such subparagraph shall be submitted in unclassified form, but may contain a classified annex.

"(ii) DELEGATION.—The Secretary may not delegate the submission of a certification pursuant to clause (viii) of subparagraph (B) to any official other than the Deputy Secretary of Defense, the Chief Management Officer, or the Under Secretary of Defense (Comptroller).".

SEC. 1003. AUTHORITY TO TRANSFER FUNDS TO DIRECTOR OF NATIONAL INTELLIGENCE FOR CAPNET.

During fiscal year 2019, the Secretary of Defense may transfer to the Director of National Intelligence, under the authority in section 1001 of this Act, an amount that does not exceed $2,000,000 to provide support for the operation of the classified network known as CAPNET.

SEC. 1004. AUDIT OF FINANCIAL SYSTEMS OF THE DEPARTMENT OF DEFENSE.

The Secretary of Defense, acting through the Under Secretary of Defense (Comptroller) or an appropriate official of a military department, shall ensure that each major implementation of, or modification to, a business system that contributes to financial information of the Department of Defense is reviewed by professional accountants with experience reviewing Federal financial systems to validate that such financial system will meet any applicable Federal requirements. The Secretary of Defense shall ensure that such accountants—

(1) are provided all necessary data and records; and

(2) report independently on their findings.

SEC. 1005. REPORT ON AUDITABLE FINANCIAL STATEMENTS.

Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report ranking all military departments and Defense Agencies in order of how advanced they are in achieving auditable financial statements as required by law. The report should not include information otherwise available in other reports to Congress.

SEC. 1006. TRANSPARENCY OF ACCOUNTING FIRMS USED TO SUPPORT DEPARTMENT OF DEFENSE AUDIT.

For all contract actions (including awards, renewals, and amendments) occurring more than 180 days after the date of the enactment of this Act, the Secretary of Defense shall require any accounting firm providing financial statement auditing or audit remediation services to the Department of Defense in support of the audit required under section 3521 of title 31, United States Code, to provide the Department with a statement setting forth the details of any disciplinary proceedings with respect to the accounting firm or its associated persons before any entity with the authority to enforce compliance with rules or laws applying to audit services offered by accounting firms.

Subtitle B—Naval Vessels and Shipyards

SEC. 1011. INCLUSION OF OPERATION AND SUSTAINMENT COSTS IN ANNUAL NAVAL VESSEL CONSTRUCTION PLANS.

Section 231(b)(2) of title 10, United States Code, is amended by adding at the end the following new subparagraph:

"(F) The estimated operations and sustainment costs required to support the vessels delivered under the naval vessel construction plan.".

SEC. 1012. PURCHASE OF VESSELS USING FUNDS IN NATIONAL DEFENSE SEALIFT FUND.

Section 2218(f)(3) of title 10, United States Code, is amended—

(1) in subparagraph (C)—

(A) by striking "two" and inserting "seven"; and

(B) by striking "ships" and inserting "vessels";

(2) by redesignating subparagraph (E) as subparagraph (F); and

(3) by inserting after subparagraph (D) the following new subparagraph (E):

"(E) The Secretary may not use the authority under this paragraph to procure more than two foreign constructed vessels unless the Secretary submits to Congress, by not later than the second week of February of the fiscal year during which the Secretary plans to use such authority, a certification that—

"(i) the Secretary has initiated an acquisition strategy for the construction in United States shipyards of not less than ten new sealift vessels; and

"(ii) of such new sealift vessels, the lead ship is anticipated to be delivered by not later than 2026.".

SEC. 1013. PURCHASE OF VESSELS BUILT IN FOREIGN SHIPYARDS WITH FUNDS IN NATIONAL DEFENSE SEALIFT FUND.

Section 2218(f)(3) of title 10, United States Code, as amended by section 1012, is further amended—

(1) in subparagraph (F), as redesignated by such section 1012—

(A) by striking "30 days after" and inserting "30 days before";

(B) in clause (i), by inserting "proposed" before "date";

(C) in clause (ii), by striking "was" and inserting "would be"; and

(D) by adding at the end the following new clause:

"(viii) A detailed account of the criteria used to make the determination under subparagraph (B)."; and

(2) by inserting after subparagraph (F), as so redesignated, the following new subparagraph:

"(G) The Secretary may not finalize or execute the final purchase of any vessel using the authority under this paragraph until 30 days after the date on which a report under subparagraph (E) is submitted with respect to such purchase.".

SEC. 1014. DATE OF LISTING OF VESSELS AS BATTLE FORCE SHIPS IN THE NAVAL VESSEL REGISTER AND OTHER FLEET INVENTORY MEASURES.

(a) IN GENERAL.—Section 7301 of title 10, United States Code, is amended—

(1) by redesignating subsection (c) as subsection (d); and

(2) by inserting after subsection (b) the following new subsection (c):

"(c) LISTING AS BATTLE FORCE SHIP IN NAVAL VESSEL REGISTER.—A covered vessel may not be listed in the Naval Vessel Register or other fleet inventory measures as a battle force ship until the delivery date specified in subsection (a).".

(b) DEFINITIONS.—Such section is further amended by striking subsection (d), as redesignated by subsection (a)(1) of this section, and inserting the following new subsection:

"(d) DEFINITIONS.—In this section:

"(1) The term 'covered vessel' means any vessel of the Navy that is under construction or constructed using amounts authorized to be appropriated for the Department of Defense for shipbuilding and conversion, Navy.

"(2) The term 'battle force ship' means the following:

"(A) A commissioned United States Ship warship capable of contributing to combat operations.

"(B) A United States Naval Ship that contributes directly to Navy warfighting or support missions.".

SEC. 1015. TECHNICAL CORRECTIONS AND CLARIFICATIONS TO CHAPTER 633 OF TITLE 10, UNITED STATES CODE, AND OTHER PROVISIONS OF LAW REGARDING NAVAL VESSELS.

(a) MODEL BASIN; INVESTIGATION OF HULL DESIGNS.—Section 7303 of title 10, United States Code, is amended by striking "(a) An office" and all that follows through "(b) The Secretary" and inserting "The Secretary".

(b) REPEAL OF UNDER-AGE VESSELS PROVISION.—

(1) IN GENERAL.—Section 7295 of title 10, United States Code, is repealed:

(2) CLERICAL AMENDMENTS.—The table of sections at the beginning of chapter 633 of such title is amended by striking the item relating to section 7295.

(c) OTHER PROVISIONS OF LAW.—

(1) REPEAL OF POLICY RELATING TO MAJOR COMBATANT VESSELS OF THE STRIKE FORCES OF THE UNITED STATES NAVY.—Section 1012 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 303; 10 U.S.C. 7291 note) is repealed.

(2) REPEAL OF ALTERNATIVE TECHNOLOGIES FOR FUTURE SURFACE COMBATANTS.—Section 128 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2109; 10 U.S.C. 7291 note) is repealed.

(3) REPEAL OF PROVISION ON CONSIDERATION OF VESSEL LOCATION FOR AWARD OF LAYBERTH CONTRACTS FOR SEALIFT VESSELS.—Section 375 of the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102–484; 106 Stat. 2385; 10 U.S.C. 7291 note) is repealed.

(4) REPEAL OF PROVISION ON REVITALIZATION OF UNITED STATES SHIPBUILDING INDUSTRY.—Section 1031 of the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102–484; 106 Stat. 2489; 10 U.S.C. 7291 note) is repealed.

(5) REPEAL OF FAST SEALIFT PROGRAM.—Section 1021 of the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102–484; 106 Stat. 2485; 10 U.S.C. 7291 note) is repealed.

(6) REPEAL OF OBSOLETE REQUIREMENT FOR REPORTS ON EFFECTS OF NAVAL SHIPBUILDING PLANS ON MARITIME INDUSTRIES.—Section 1227 of the National Defense Authorization Act for Fiscal Year 1989 (Public Law 100–456; 102 Stat. 2055; 10 U.S.C. 7291 note) is repealed.

(7) REPEAL OF PROHIBITION ON USE OF PUBLIC AND PRIVATE SHIPYARDS FOR CONVERSION, OVERHAUL, OR REPAIR WORK UNDER CERTAIN PROGRAMS.—Section 811 of the Department of Defense Appropriation Authorization Act, 1979 (Public Law 95–485; 92 Stat. 1624; 10 U.S.C. 7291 note) is repealed.

(8) REPEAL OF OBSOLETE REQUIREMENT TO SUBMIT A FIVE-YEAR NAVAL SHIP NEW CONSTRUCTION AND CONVERSION PROGRAM.—Section 808 of the Department of Defense Appropriation Authorization Act, 1976 (Public Law 94–106; 89 Stat. 539; 10 U.S.C. 7291 note) is repealed.

SEC. 1016. DISMANTLEMENT AND DISPOSAL OF NUCLEAR-POWERED AIRCRAFT CARRIERS.

(a) IN GENERAL.—Chapter 633 of title 10, United States Code, as amended by section 323, is further amended by adding after section 7320, as added by such section 323, the following new section:

"§ 7321. Nuclear-powered aircraft carriers: dismantlement and disposal

"(a) IN GENERAL.—Not less than 90 days before the award of a contract for the dismantlement and disposal of a nuclear-powered aircraft carrier, or the provision of funds to a naval shipyard for the dismantlement and disposal of a nuclear-powered aircraft carrier, the Secretary of the Navy shall submit to the congressional defense committees a report setting forth the following:

"(1) A cost and schedule baseline for the dismantlement and disposal approved by the service acquisition executive of the Department of the Navy and the Chief of Naval Operations.

"(2) A description of the regulatory framework applicable to the management of radioactive materials in connection with the dismantlement and disposal, including, in cases in which the Navy intends to have another government entity serve as the regulatory enforcement authority—

"(A) a certification from that entity of its agreement to serve as the regulatory enforcement authority; and

"(B) a description of the legal basis for the authority of that entity to serve as the regulatory enforcement authority.

"(b) SUPPLEMENTAL INFORMATION WITH BUDGETS.—In the materials submitted to Congress by the Secretary of Defense in support of the budget of the President for a fiscal year (as submitted to Congress under section 1105(a) of title 31), the Secretary of the Navy shall include information on each dismantlement and disposal of a nuclear-powered aircraft carrier occurring or planned to occur during the period of the future-years defense program submitted to Congress with that budget. Such information shall include, by ship concerned, the following:

"(1) A summary of activities and significant developments in connection with such dismantlement and disposal.

"(2) If applicable, a detailed description of cost and schedule performance against the baseline for such dismantlement and disposal established pursuant to subsection (a), including

a description of and explanation for any variance from such baseline.

"(3) A description of the amounts requested, or intended or estimated to be requested, for such dismantlement and disposal for each of the following:

"(A) Each fiscal year covered by the future-years defense program.

"(B) Any fiscal years before the fiscal years covered by the future-years defense program.

"(C) Any fiscal years after the end of the period of the future-years defense program.

"(c) FUTURE-YEARS DEFENSE PROGRAM DEFINED.—In this section, the term 'future-years defense program' means the future-years defense program required by section 221 of this title.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 633 of such title, as amended by section 323, is further amended by adding at the end the following new item:

"7321. Nuclear-powered aircraft carriers: dismantlement and disposal.".

SEC. 1017. LIMITATION ON USE OF FUNDS FOR RETIREMENT OF HOSPITAL SHIPS.

(a) LIMITATION.—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Navy may be obligated or expended to retire, prepare to retire, transfer, or place in storage any hospital ship.

(b) WAIVER.—The Secretary of the Navy may waive the limitation in subsection (a) with respect to a hospital ship if the Secretary certifies to the congressional defense committees that the Secretary has—

(1) identified a replacement capability, and the necessary quantity of systems, to meet all hospital ship requirements of the combatant commands that are currently being met by such hospital ship;

(2) achieved initial operational capability of all systems described in paragraph (1); and

(3) deployed a sufficient quantity of systems described in paragraph (1) that have achieved initial operational capability in order to continue to meet or exceed all requirements of the combatant commands that are currently being met by such hospital ship.

SEC. 1018. INCLUSION OF AIRCRAFT CARRIER REFUELING OVERHAUL BUDGET REQUEST IN ANNUAL BUDGET JUSTIFICATION MATERIALS.

The Secretary of Defense shall include in the budget justification materials submitted to Congress by the Secretary in support of the budget of the President for fiscal year 2020 and each subsequent fiscal year, as part of the budget request for Shipbuilding and Conversion, Navy, a detailed aircraft carrier refueling overhaul budget request, by hull number, including all funding requested for reactor power units and reactor components.

SEC. 1019. BUSINESS CASE ANALYSIS OF READY RESERVE FORCE RECAPITALIZATION OPTIONS.

(a) BUSINESS CASE ANALYSIS REQUIRED.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Navy shall, in consultation with the Administrator of the Maritime

Administration and the Commander of United States Transportation Command, submit to the congressional defense committees a report setting forth a business case analysis of recapitalization options for the Ready Reserve Force.

(b) ELEMENTS.—The business case analysis required by subsection (a) shall include the following:

(1) Each sealift capability area, and the associated capacity, for which Ready Reserve Force vessels are required to be recapitalized through fiscal year 2048.

(2) The categories of vessels being considered in each area specified pursuant to paragraph (1), including the following:

(A) United States purpose-built vessels (such as Common Hull Auxiliary Multi-mission Platform).

(B) United States non-purpose built vessels (such as vessels formerly engaged in Jones Act trade).

(C) Foreign-built vessels that participated in the Maritime Security Program.

(D) Foreign-built vessels that did not participate in the Maritime Security Program.

(E) Foreign-designed, United States-built vessels.

(3) For each category of vessel specified pursuant to paragraph (2), the following:

(A) Anticipated availability of vessels within such category in the timeframe needed to meet United States Transportation Command sealift requirements.

(B) Anticipated purchase price, if applicable.

(C) Anticipated cost and scope of modernization.

(D) Anticipated duration of modernization period.

(E) Anticipated service life as a Ready Reserve Force vessel.

(F) Anticipated military utility.

(G) Ability of one such vessel to replace more than one existing Ready Reserve Force vessel.

(4) A cost-benefit determination on the mix of capabilities and vessels identified pursuant to paragraphs (1) through (3) that could ensure United States Transportation Command sealift requirements are met through fiscal year 2048, which determination shall include a comparison of the useful service life of each category of vessels specified pursuant to paragraph (2) with the costs of such category of vessels.

SEC. 1020. TRANSFER OF EXCESS NAVAL VESSEL TO BAHRAIN.

(a) TRANSFER BY GRANT.—The President is authorized to transfer to the Government of Bahrain the OLIVER HAZARD PERRY class guided missile frigate ex-USS ROBERT G. BRADLEY (FFG–49) on a grant basis under section 516 of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j).

(b) GRANT NOT COUNTED IN ANNUAL TOTAL OF TRANSFERRED EXCESS DEFENSE ARTICLES.—The value of the vessel transferred to the Government of Bahrain on a grant basis pursuant to authority provided by subsection (a) shall not be counted against the aggregate value of excess defense articles transferred in any fiscal year under section 516 of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j).

(c) COSTS OF TRANSFER.—Any expense incurred by the United States in connection with the transfer authorized by this section

shall be charged to the Government of Bahrain notwithstanding section 516(e) of the Foreign Assistance Act of 1961 (22 U.S.C. 2321j(e)).

(d) REPAIR AND REFURBISHMENT IN UNITED STATES SHIPYARDS.—To the maximum extent practicable, the President shall require, as a condition of the transfer of a vessel under this section, that the Government of Bahrain have such repair or refurbishment of the vessel as is needed, before the vessel joins the naval forces of that country, performed at a shipyard located in the United States, including a United States Navy shipyard.

(e) EXPIRATION OF AUTHORITY.—The authority to transfer a vessel under this section shall expire at the end of the three-year period beginning on the date of the enactment of this Act.

Subtitle C—Counterterrorism

SEC. 1031. DEFINITION OF SENSITIVE MILITARY OPERATION.

(a) IN GENERAL.—Subsection (d) of section 130f of title 10, United States Code, is amended to read as follows:

"(d) SENSITIVE MILITARY OPERATION DEFINED.—(1) Except as provided in paragraph (2), in this section, the term 'sensitive military operation' means—

"(A) a lethal operation or capture operation conducted by the armed forces or conducted by a foreign partner in coordination with the armed forces that targets a specific individual or individuals; or

"(B) an operation conducted by the armed forces in self-defense or in defense of foreign partners, including during a cooperative operation.

"(2) For purposes of this section, the term 'sensitive military operation' does not include any operation conducted within Afghanistan, Syria, or Iraq.".

(b) COLLECTIVE SELF-DEFENSE NOTIFICATION.—Such section is further amended by adding at the end the following new subsection:

"(f) COLLECTIVE SELF-DEFENSE NOTIFICATION REQUIREMENT.—Not later than 48 hours after the date on which a foreign partner force has been designated as eligible for the provision of collective self-defense by the armed forces for the purposes of subsection (d)(1)(B), the Secretary of Defense shall provide to the congressional defense committees notice in writing of such designation.".

(c) REPORT.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report that includes—

(1) a list of any instance in which a member of the Armed Forces has engaged or been engaged by enemy forces, used self-defense, or provided collective self-defense of foreign partner forces in a country other than Afghanistan, Iraq, or Syria since December 26, 2013; and

(2) a list of all foreign partner forces outside of Afghanistan, Iraq, and Syria for which the United States Armed Forces are authorized to provide collective self-defense.

SEC. 1032. EXTENSION OF PROHIBITION ON USE OF FUNDS TO CLOSE OR RELINQUISH CONTROL OF UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA.

Section 1036 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by inserting "or 2019" after "fiscal year 2018".

SEC. 1033. PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO THE UNITED STATES.

No amounts authorized to be appropriated or otherwise made available for the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2019, to transfer, release, or assist in the transfer of or release to or within the United States, its territories, or possessions Khalid Sheikh Mohammed or any other detainee who—

(1) is not a United States citizen or a member of the Armed Forces of the United States; and

(2) is or was held on or after January 20, 2009, at United States Naval Station, Guantanamo Bay, Cuba, by the Department of Defense.

SEC. 1034. PROHIBITION ON USE OF FUNDS TO CONSTRUCT OR MODIFY FACILITIES IN THE UNITED STATES TO HOUSE DETAINEES TRANSFERRED FROM UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA.

(a) IN GENERAL.—No amounts authorized to be appropriated or otherwise made available for the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2019, to construct or modify any facility in the United States, its territories, or possessions to house any individual detained at Guantanamo for the purposes of detention or imprisonment in the custody or under the control of the Department of Defense.

(b) EXCEPTION.—The prohibition in subsection (a) shall not apply to any modification of facilities at United States Naval Station, Guantanamo Bay, Cuba.

(c) INDIVIDUAL DETAINED AT GUANTANAMO DEFINED.—In this section, the term "individual detained at Guantanamo" has the meaning given that term in section 1034(f)(2) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 971; 10 U.S.C. 801 note).

SEC. 1035. PROHIBITION ON USE OF FUNDS FOR TRANSFER OR RELEASE OF INDIVIDUALS DETAINED AT UNITED STATES NAVAL STATION, GUANTANAMO BAY, CUBA, TO CERTAIN COUNTRIES.

No amounts authorized to be appropriated or otherwise made available for the Department of Defense may be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2019, to transfer, release, or assist in the transfer or release of any individual detained in the custody or under the control of the Department of Defense at United States Naval Station, Guantanamo Bay, Cuba, to the custody or control of any country, or any entity within such country, as follows:

(1) Libya.

(2) Somalia.

(3) Syria.

(4) Yemen.

Subtitle D—Miscellaneous Authorities and Limitations

SEC. 1041. STRATEGIC GUIDANCE DOCUMENTS WITHIN THE DEPARTMENT OF DEFENSE.

Section 113(g) of title 10, United States Code, is amended by striking paragraphs (2) through (4) and inserting the following new paragraphs (2) through (4):

"(2)(A) In implementing the requirement in paragraph (1), the Secretary, with the advice of the Chairman of the Joint Chiefs of Staff, shall each year provide to the officials and officers referred in paragraph (1)(A) written guidance (to be known as 'Defense Planning Guidance') establishing goals, priorities, and objectives, including fiscal constraints, to direct the preparation and review of the program and budget recommendations of all elements of the Department, including—

"(i) the priority military missions of the Department, including the assumed force planning scenarios and constructs;

"(ii) the force size and shape, force posture, defense capabilities, force readiness, infrastructure, organization, personnel, technological innovation, and other elements of the defense program necessary to support the strategy required by paragraph (1);

"(iii) the resource levels projected to be available for the period of time for which such recommendations and proposals are to be effective; and

"(iv) a discussion of any changes in the strategy required by paragraph (1) and assumptions underpinning the strategy, as required by paragraph (1).

"(B) The guidance required by this paragraph shall be produced in February each year in order to support the planning and budget process. A comprehensive briefing on the guidance shall be provided to the congressional defense committees at the same time as the submission of the budget of the President (as submitted to Congress pursuant to section 1105(a) of title 31) for the fiscal year beginning in the year in which such guidance is produced.

"(3)(A) In implementing the requirement in paragraph (1) and in conjunction with the reporting requirement in section 2687a of this title, the Secretary, with the approval of the President and the advice of the Chairman of the Joint Chiefs of Staff, shall, on the basis provided in subparagraph (E), provide to the officials and officers referred to in paragraph (1)(A) written guidance (to be known as 'Contingency Planning Guidance' or 'Guidance for Employment of the Force') on the preparation and review of contingency and campaign plans, including plans for providing support to civil authorities in an incident of national significance or a catastrophic incident, for homeland defense, and for military support to civil authorities.

"(B) The guidance required by this paragraph shall include the following:

"(i) A description of the manner in which limited existing forces and resources shall be prioritized and apportioned to achieve the objectives described in the strategy required by paragraph (1).

"(ii) A description of the relative priority of contingency and campaign plans, specific force levels, and supporting resource levels projected to be available for the period of time for which such plans are to be effective.

"(C) The guidance required by this paragraph shall include the following:

"(i) Prioritized global, regional, and functional policy objectives that the armed forces should plan to achieve, including plans for deliberate and contingency scenarios.

"(ii) Policy and strategic assumptions that should guide military planning, including the role of foreign partners.

"(iii) Guidance on global posture and global force management.

"(iv) Security cooperation priorities.

"(v) Specific guidance on United States and Department nuclear policy.

"(D) The guidance required by this paragraph shall be the primary source document to be used by the Chairman of the Joint Chiefs of Staff in—

"(i) executing the global military integration responsibilities described in section 153 of this title; and

"(ii) developing implementation guidance for the Joint Chiefs of Staff and the commanders of the combatant commands.

"(E) The guidance required by this paragraph shall be produced every two years, or more frequently as needed.

"(4)(A) In implementing the requirement in paragraph (1), the Secretary, with the advice of the Chairman of the Joint Chiefs of Staff, shall each year produce, and submit to the congressional defense committees, a report (to be known as the 'Global Defense Posture Report') that shall include the following:

"(i) A description of major changes to United States forces, capabilities, and equipment assigned and allocated outside the United States, focused on significant alterations, additions, or reductions to such global defense posture that are required to execute the strategy and plans of the Department.

"(ii) A description of the supporting network of infrastructure, facilities, pre-positioned stocks, and war reserve materiel required for execution of major contingency plans of the Department.

"(iii) A list of all enduring locations, including main operating bases, forward operating sites, and cooperative security locations.

"(iv) A description of the status of treaty, access, cost-sharing, and status-protection agreements with foreign nations.

"(v) A summary of the priority posture initiatives for each region by the commanders of the combatant commands.

"(vi) For each military department, a summary of the implications for overseas posture of any force structure changes.

"(vii) A description of the costs incurred outside the United States during the preceding fiscal year in connection with operating, maintaining, and supporting United States forces outside the United States for each military department, broken out by country, and whether for operation and maintenance, infrastructure, or transportation.

"(viii) A description of the amount of direct support for the stationing of United States forces provided by each host nation during the preceding fiscal year.

"(B) The report required by this paragraph shall be submitted to the congressional defense committees as required by subparagraph (A) by not later than April 30 each year.

"(C) In this paragraph, the term 'United States', when used in a geographic sense, includes the territories and possessions of the United States.".

SEC. 1042. NOTIFICATION ON THE PROVISION OF DEFENSE SENSITIVE SUPPORT.

Section 1055 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 113 note) is amended—

(1) in subsection (a)—

(A) in paragraph (1), by striking "; and" and inserting a semicolon;

(B) in paragraph (2)(B), by striking the period at the end and inserting "; and"; and

(C) by adding at the end the following new paragraphs:

"(3) has been requested by the head of a non-Department of Defense Federal department or agency who has certified to the Secretary that the department or agency has reasonably attempted to use capabilities and resources internal to the department or agency."; and

(2) in subsection (b), by adding at the end the following new paragraph:

"(4) REVERSE DEFENSE SENSITIVE SUPPORT REQUEST.—The Secretary shall notify the congressional defense committees (and the congressional intelligence committees with respect to matters relating to members of the intelligence community) of requests made by the Secretary to a non-Department of Defense Federal department or agency for support that requires special protection from disclosure in the same manner and containing the same information as the Secretary notifies such committees of defense sensitive support requests under paragraphs (1) and (3).".

SEC. 1043. COORDINATING UNITED STATES RESPONSE TO MALIGN FOREIGN INFLUENCE OPERATIONS AND CAMPAIGNS.

(a) IN GENERAL.—Section 101 of the National Security Act of 1947 (50 U.S.C. 3021) is amended—

(1) in subsection (b)—

(A) in paragraph (2), by striking "and" at the end;

(B) in paragraph (3), by striking the period and inserting "; and"; and

(C) by adding at the end the following new paragraph:

"(4) coordinate, without assuming operational authority, the United States Government response to malign foreign influence operations and campaigns."; and

(2) by adding at the end the following new subsections:

"(g) COORDINATOR FOR COMBATING MALIGN FOREIGN INFLUENCE OPERATIONS AND CAMPAIGNS.—

"(1) IN GENERAL.—The President shall designate an employee of the National Security Council to be responsible for the

coordination of the interagency process for combating malign foreign influence operations and campaigns.

"(2) CONGRESSIONAL BRIEFING.—

"(A) IN GENERAL.—Not less frequently than twice each year, the employee designated under this subsection, or the employee's designee, shall provide to the congressional committees specified in subparagraph (B) a briefing on the responsibilities and activities of the employee designated under this subsection.

"(B) COMMITTEES SPECIFIED.—The congressional committees specified in this subparagraph are the following:

"(i) The Committees on Armed Services, Foreign Affairs, and Oversight and Government Reform, and the Permanent Select Committee on Intelligence of the House of Representatives.

"(ii) The Committees on Armed Services, Foreign Relations, and Homeland Security and Governmental Affairs, and the Select Committee on Intelligence of the Senate.

"(h) DEFINITION OF MALIGN FOREIGN INFLUENCE OPERATIONS AND CAMPAIGNS.—In this section, the term 'malign foreign influence operations and campaigns' means the coordinated, direct or indirect application of national diplomatic, informational, military, economic, business, corruption, educational, and other capabilities by hostile foreign powers to affect attitudes, behaviors, decisions, or outcomes within the United States.".

(b) STRATEGY.—

(1) IN GENERAL.—Not later than 9 months after the date of the enactment of this Act, the President, acting through the National Security Council, shall submit to the congressional committees specified in paragraph (2) a strategy to counter malign foreign influence operations and campaigns (as such term is defined in section 101(h) of the National Security Act of 1947 (50 U.S.C. 3021), as added by subsection (a)).

(2) COMMITTEES SPECIFIED.—The congressional committees specified in this paragraph are the following:

(A) The Committees on Armed Services, Foreign Affairs, and Oversight and Government Reform, and the Permanent Select Committee on Intelligence of the House of Representatives.

(B) The Committees on Armed Services, Foreign Relations, and Homeland Security and Governmental Affairs, and the Select Committee on Intelligence of the Senate.

(c) DEADLINE FOR APPOINTMENT.—Not later than 180 days after the date of the enactment of this Act, the President shall designate the employee of the National Security Council to be responsible for the coordination of the interagency process for combating malign foreign influence operations and campaigns pursuant to subsection (g)(1) of section 101 of the National Security Act of 1947 (50 U.S.C. 3021), as added by subsection (a)(2).

SEC. 1044. CLARIFICATION OF REIMBURSABLE ALLOWED COSTS OF FAA MEMORANDA OF AGREEMENT.

Section 47504(c)(2) of title 49, United States Code, is amended—

(1) in subparagraph (D) by striking "and" at the end;

(2) in subparagraph (E) by striking the period at the end and inserting "; and"; and

(3) by adding at the end the following:

"(F) to an airport operator of a congested airport (as defined in section 47175) and a unit of local government referred to in paragraph (1)(B) to carry out a project to mitigate noise, if the project—

"(i) consists of—

"(I) replacement windows, doors, and the installation of through-the-wall air conditioning units; or

"(II) a contribution of the equivalent costs to be used for reconstruction if reconstruction is the preferred local solution;

"(ii) is located at a school near the airport; and

"(iii) is included in a memorandum of agreement entered into before September 30, 2002, even if the airport has not met the requirements of part 150 of title 14, Code of Federal Regulations, and only if the financial limitations of the memorandum are applied.".

SEC. 1045. WORKFORCE ISSUES FOR MILITARY REALIGNMENTS IN THE PACIFIC.

(a) IN GENERAL.—Section 6(b) of the Joint Resolution entitled "A Joint Resolution to approve the 'Covenant To Establish a Commonwealth of the Northern Mariana Islands in Political Union With the United States of America', and for other purposes", approved March 24, 1976 (48 U.S.C. 1806(b)) is amended—

(1) in paragraph (1), by amending subparagraph (B) to read as follows:

"(B) H-2B WORKERS.—In the case of an alien described in subparagraph (A) who seeks admission under section 101(a)(15)(H)(ii)(b) of the Immigration and Nationality Act (8 U.S.C. 1101(a)(15)(H)(ii)(b)), the alien, if otherwise qualified, may, before December 31, 2023, be admitted under such section, notwithstanding the requirement of such section that the service or labor be temporary, for a period of up to 3 years—

"(i) to perform service or labor on Guam or in the Commonwealth pursuant to any agreement entered into by a prime contractor or subcontractor calling for services or labor required for performance of a contact or subcontract for construction, repairs, renovations, or facility services that is directly connected to, or associated with, the military realignment occurring on Guam and in the Commonwealth; or

"(ii) to perform service or labor as a health care worker (such as a nurse, physician assistant, or allied health professional) at a facility that jointly serves members of the Armed Forces, dependents, and civilians on Guam or in the Commonwealth, subject to the education, training, licensing, and other requirements of section 212(a)(5)(C) of the Immigration and Nationality Act (8 U.S.C. 1182(a)(5)(C)), as applicable, except that this clause shall not be construed to include graduates of medical schools coming to Guam or the Com-

monwealth to perform service or labor as members of the medical profession."; and

(2) by amending paragraph (2) to read as follows:

"(2) LOCATIONS.—Paragraph (1) does not apply with respect to the performance of services of labor at a location other than Guam or the Commonwealth.".

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the date of the enactment of this Act.

SEC. 1046. MITIGATION OF OPERATIONAL RISKS POSED TO CERTAIN MILITARY AIRCRAFT BY AUTOMATIC DEPENDENT SURVEILLANCE-BROADCAST EQUIPMENT.

(a) IN GENERAL.—The Secretary of Transportation may not—

(1) directly or indirectly require the installation of automatic dependent surveillance-broadcast (hereinafter in this section referred to as "ADS-B") equipment on fighter aircraft, bomber aircraft, or other special mission aircraft owned or operated by the Department of Defense;

(2) deny or reduce air traffic control services in United States airspace or international airspace delegated to the United States to any aircraft described in paragraph (1) on the basis that such aircraft is not equipped with ADS-B equipment; or

(3) restrict or limit airspace access for aircraft described in paragraph (1) on the basis such aircraft are not equipped with ADS-B equipment.

(b) TERMINATION.—Subsection (a) shall cease to be effective on the date that the Secretary of Transportation and the Secretary of Defense jointly submit to the appropriate congressional committees notice that the Secretaries have entered into a memorandum of agreement or other similar agreement providing that fighter aircraft, bomber aircraft, and other special mission aircraft owned or operated by the Department of Defense that are not equipped or not yet equipped with ADS-B equipment will be reasonably accommodated for safe operations in the National Airspace System and provided with necessary air traffic control services.

(c) RULE OF CONSTRUCTION.—Nothing in this section may be construed to—

(1) vest in the Secretary of Defense any authority of the Secretary of Transportation or the Administrator of the Federal Aviation Administration under title 49, United States Code, or any other provision of law;

(2) vest in the Secretary of Transportation or the Administrator of the Federal Aviation Administration any authority of the Secretary of Defense under title 10, United States Code, or any other provision of law; or

(3) limit the authority or discretion of the Secretary of Transportation or the Administrator of the Federal Aviation Administration to operate air traffic control services to ensure the safe minimum separation of aircraft in flight and the efficient use of airspace.

(d) NOTIFICATION REQUIREMENT.—The Secretary of Defense shall provide to the Secretary of Transportation notification of any aircraft the Secretary of Defense designates as a special mission aircraft pursuant to subsection (e)(3).

(e) DEFINITIONS.—In this section:

(1) The term "appropriate congressional committees" means the congressional defense committees, the Committee on Transportation and Infrastructure of the House of Representatives, and the Committee on Commerce, Science, and Transportation of the Senate.

(2) The term "air traffic control services" means services used for the monitoring, directing, control, and guidance of aircraft or flows of aircraft and for the safe conduct of flight, including communications, navigation, and surveillance services and provision of aeronautical information.

(3) The term "special mission aircraft" means an aircraft the Secretary of Defense designates for a unique mission to which ADS-B equipment creates a unique risk.

SEC. 1047. LIMITATION ON AVAILABILITY OF FUNDS FOR UNMANNED SURFACE VEHICLES.

(a) LIMITATION.—Not more than 50 percent of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Department of Defense for the Strategic Capabilities Office ghost fleet overlord unmanned surface vehicle program may be obligated or expended until the Undersecretary of Defense for Research and Engineering, in coordination with the Secretary of the Navy, certifies to the congressional defense committees that—

(1) such project accelerates development of the future unmanned surface vehicle program of the Navy; and

(2) the desired procurement strategy for the ghost fleet overlord project is properly coordinated and not duplicative of the unmanned surface vehicle sea hunter program of the Navy.

(b) RULE OF CONSTRUCTION.—The limitation in subsection (a) shall not be construed to apply to any other unmanned surface vehicle program of the Department of Defense other than the program element specified in such subsection.

SEC. 1048. PILOT PROGRAM FOR DEPARTMENT OF DEFENSE CONTROLLED UNCLASSIFIED INFORMATION IN THE HANDS OF INDUSTRY.

(a) IN GENERAL.—The Secretary of Defense—

(1) shall establish and implement a pilot program for oversight of designated Department of Defense controlled unclassified information in the hands of defense contractors with foreign ownership, control, or influence concerns; and

(2) may designate an entity within the Department to be responsible for the pilot program under paragraph (1).

(b) PROGRAM REQUIREMENTS.—The pilot program under subsection (a) shall have the following elements:

(1) The use of a capability to rapidly identify companies subject to foreign ownership, control, or influence that are processing designated controlled unclassified information, including unclassified controlled technical information.

(2) The use, in consultation with the Chief Of Information Officer of the Department, of a capability or means for assessing industry compliance with Department cybersecurity standards.

(3) A means of demonstrating whether and under what conditions the risk to national security posed by access to Department controlled unclassified information, including unclassified

controlled technical information, by a company under foreign ownership, control, or influence company can be mitigated and how such mitigation could be enforced.

(c) BRIEFING REQUIRED.—By not later than 30 days after the completion of the pilot program under this section, but in no case later than December 1, 2019, the Secretary shall provide to the congressional defense committees a briefing on the results of the pilot program and any decisions about whether to implement the pilot program on a Department-wide basis.

SEC. 1049. CRITICAL TECHNOLOGIES LIST.

(a) LIST REQUIRED.—The Secretary of Defense shall establish and maintain a list of acquisition programs, technologies, manufacturing capabilities, and research areas that are critical for maintaining the national security technological advantage of the United States over foreign countries of special concern. The list shall be accompanied by a justification for inclusion of items on the list, including specific performance and technical figures of merit.

(b) USE OF LIST.—The Secretary may use the list required under subsection (a) to—

(1) guide the recommendations of the Secretary in any interagency determinations conducted pursuant to Federal law relating to technology protection, including relating to export licensing, deemed exports, technology transfer, and foreign direct investment;

(2) inform the Secretary while engaging in interagency processes on promotion and protection activities involving acquisition programs and technologies that are necessary to achieve and maintain the national security technology advantage of the United States and that are supportive of military requirements and strategies;

(3) inform the Department's activities to integrate acquisition, intelligence, counterintelligence and security, and law enforcement to inform requirements, acquisition, programmatic, and strategic courses of action for technology protection;

(4) inform development of research investment strategies and activities and develop innovation centers and an emerging technology industrial base through the employment of financial assistance from the United States Government through appropriate statutory authorities and programs;

(5) identify opportunities for alliances and partnerships in key research and development areas to achieve and maintain a national security technology advantage; and

(6) carry out such other purposes as identified by the Secretary.

(c) PUBLICATION.—The Secretary shall—

(1) publish the list required under subsection (a) by not later than December 31, 2018; and

(2) update such list at least annually.

SEC. 1050. AIRBORNE HAZARDS AND OPEN BURN PIT REGISTRY.

(a) EDUCATION CAMPAIGN.—Beginning not later than one year after the date of the enactment of this Act, the Secretary of Defense shall carry out an annual education campaign to inform individuals who may be eligible to enroll in the Airborne Hazards and Open Burn Pit Registry of such eligibility. Each such campaign

shall include at least one electronic method and one physical mailing method to provide such information.

(b) AIRBORNE HAZARDS AND OPEN BURN PIT REGISTRY DEFINED.—In this section, the term "Airborne Hazards and Open Burn Pit Registry" means the registry established by the Secretary of Veterans Affairs under section 201 of the Dignified Burial and Other Veterans' Benefits Improvement Act of 2012 (Public Law 112–260; 38 U.S.C. 527 note).

SEC. 1051. NATIONAL SECURITY COMMISSION ON ARTIFICIAL INTELLIGENCE.

(a) ESTABLISHMENT.—

(1) IN GENERAL.—There is established in the executive branch an independent Commission to review advances in artificial intelligence, related machine learning developments, and associated technologies.

(2) TREATMENT.—The Commission shall be considered an independent establishment of the Federal Government as defined by section 104 of title 5, United States Code, and a temporary organization under section 3161 of such title.

(3) DESIGNATION.—The Commission established under paragraph (1) shall be known as the "National Security Commission on Artificial Intelligence".

(4) MEMBERSHIP.—

(A) COMPOSITION.—The Commission shall be composed of 15 members appointed as follows:

(i) The Secretary of Defense shall appoint 2 members.

(ii) The Secretary of Commerce shall appoint 1 member.

(iii) The Chairman of the Committee on Commerce, Science, and Transportation of the Senate shall appoint 1 member.

(iv) The Ranking Member of the Committee on Commerce, Science, and Transportation of the Senate shall appoint 1 member.

(v) The Chairman of the Committee on Energy and Commerce of the House of Representatives shall appoint 1 member.

(vi) The Ranking Member of the Committee on Energy and Commerce of the House of Representatives shall appoint 1 member.

(vii) The Chairman of the Committee on Armed Services of the Senate shall appoint 1 member.

(viii) The Ranking Member of the Committee on Armed Services of the Senate shall appoint 1 member.

(ix) The Chairman of the Committee on Armed Services of the House of Representatives shall appoint 1 member.

(x) The Ranking Member of the Committee on Armed Services of the House of Representatives shall appoint 1 member.

(xi) The Chairman of the Select Committee on Intelligence of the Senate shall appoint 1 member.

(xii) The Vice Chairman of the Select Committee on Intelligence of the Senate shall appoint 1 member.

(xiii) The Chairman of the Permanent Select Committee on Intelligence of the House of Representatives shall appoint 1 member.

(xiv) The Ranking Member of the Permanent Select Committee Intelligence of the House of Representatives shall appoint 1 member.

(B) DEADLINE FOR APPOINTMENT.—Members shall be appointed to the Commission under paragraph (1) not later than 90 days after the Commission establishment date.

(C) EFFECT OF LACK OF APPOINTMENT BY APPOINTMENT DATE.—If one or more appointments under paragraph (1) is not made by the appointment date specified in paragraph (2), the authority to make such appointment or appointments shall expire, and the number of members of the Commission shall be reduced by the number equal to the number of appointments so not made.

(5) CHAIR AND VICE CHAIR.—The Commission shall elect a Chair and Vice Chair from among its members.

(6) TERMS.—Members shall be appointed for the life of the Commission. A vacancy in the Commission shall not affect its powers, and shall be filled in the same manner as the original appointment was made.

(7) STATUS AS FEDERAL EMPLOYEES.—Notwithstanding the requirements of section 2105 of title 5, United States Code, including the required supervision under subsection (a)(3) of such section, the members of the Commission shall be deemed to be Federal employees.

(b) DUTIES.—

(1) IN GENERAL.—The Commission shall carry out the review described in paragraph (2). In carrying out such review, the Commission shall consider the methods and means necessary to advance the development of artificial intelligence, machine learning, and associated technologies by the United States to comprehensively address the national security and defense needs of the United States.

(2) SCOPE OF THE REVIEW.—In conducting the review paragraph (1), the Commission shall consider the following:

(A) The competitiveness of the United States in artificial intelligence, machine learning, and other associated technologies, including matters related to national security, defense, public-private partnerships, and investments.

(B) Means and methods for the United States to maintain a technological advantage in artificial intelligence, machine learning, and other associated technologies related to national security and defense.

(C) Developments and trends in international cooperation and competitiveness, including foreign investments in artificial intelligence, related machine learning, and computer science fields that are materially related to national security and defense.

(D) Means by which to foster greater emphasis and investments in basic and advanced research to stimulate private, public, academic and combined initiatives in artificial intelligence, machine learning, and other associated tech-

nologies, to the extent that such efforts have application materially related to national security and defense.

(E) Workforce and education incentives to attract and recruit leading talent in artificial intelligence and machine learning disciplines, including science, technology, engineering, and math programs.

(F) Risks associated with United States and foreign country advances in military employment of artificial intelligence and machine learning, including international law of armed conflict, international humanitarian law, and escalation dynamics.

(G) Associated ethical considerations related to artificial intelligence and machine learning as it will be used for future applications related to national security and defense.

(H) Means to establish data standards, and incentivize the sharing of open training data within related national security and defense data-driven industries.

(I) Consideration of the evolution of artificial intelligence and appropriate mechanism for managing such technology related to national security and defense.

(J) Any other matters the Commission deems relevant to the common defense of the Nation.

(c) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Commission shall submit to the President and Congress an initial report on the findings of the Commission and such recommendations that the Commission may have for action by the executive branch and Congress related to artificial intelligence, machine learning, and associated technologies, including recommendations to more effectively organize the Federal Government.

(2) ANNUAL COMPREHENSIVE REPORTS.—Not later than one year after the date of this enactment of this Act, and every year thereafter annually, until the date specified in subsection (e), the Commission shall submit a comprehensive report on the review required under subsection (b).

(3) FORM OF REPORTS.—Reports submitted under this subsection shall be made publically available, but may include a classified annex.

(d) FUNDING.—Of the amounts authorized to be appropriated by this Act for fiscal year 2019 for the Department of Defense, not more than $10,000,000 shall be made available to the Commission to carry out its duties under this subtitle. Funds made available to the Commission under the preceding sentence shall remain available until expended.

(e) TERMINATION.—The Commission shall terminate on October 1, 2020.

(f) DEFINITION OF ARTIFICIAL INTELLIGENCE.—In this section, the term "artificial intelligence" includes each of the following:

(1) Any artificial system that performs tasks under varying and unpredictable circumstances without significant human oversight, or that can learn from experience and improve performance when exposed to data sets.

(2) An artificial system developed in computer software, physical hardware, or other context that solves tasks requiring

human-like perception, cognition, planning, learning, communication, or physical action.

(3) An artificial system designed to think or act like a human, including cognitive architectures and neural networks.

(4) A set of techniques, including machine learning that is designed to approximate a cognitive task.

(5) An artificial system designed to act rationally, including an intelligent software agent or embodied robot that achieves goals using perception, planning, reasoning, learning, communicating, decision-making, and acting.

SEC. 1052. AUTHORITY TO TRANSFER FUNDS FOR BIEN HOA DIOXIN CLEANUP.

(a) TRANSFER AUTHORITY.—Notwithstanding section 2215 of title 10, United States Code, the Secretary of Defense may transfer to the Secretary of State, for use by the United States Agency for International Development, amounts to be used for the Bien Hoa dioxin cleanup in Vietnam.

(b) LIMITATION ON AMOUNTS.—Not more than $15,000,000 may be transferred in fiscal year 2019 under the authority in subsection (a).

(c) SOURCE OF FUNDS.—The Secretary of Defense may transfer funds appropriated to the Department of Defense for "Operation and Maintenance, Defense-wide" under the authority in subsection (a).

(d) ADDITIONAL TRANSFER AUTHORITY.—The transfer authority provided under subsection (a) is in addition to any other transfer authority available to the Department of Defense.

SEC. 1053. GUIDANCE ON THE ELECTRONIC WARFARE MISSION AREA AND JOINT ELECTROMAGNETIC SPECTRUM OPERATIONS.

(a) PROCESSES AND PROCEDURES FOR INTEGRATION.—The Secretary of Defense shall—

(1) establish processes and procedures to develop, integrate, and enhance the electronic warfare mission area and the conduct of joint electromagnetic spectrum operations in all domains across the Department of Defense; and

(2) ensure that such processes and procedures provide for integrated defense-wide strategy, planning, and budgeting with respect to the conduct of such operations by the Department, including activities conducted to counter and deter such operations by malign actors.

(b) DESIGNATED SENIOR OFFICIAL.—

(1) IN GENERAL.—The Secretary shall designate a senior official of the Department of Defense (hereinafter referred to as the "designated senior official"), who shall implement and oversee the processes and procedures established under subsection (a). The designated senior official shall be designated by the Secretary from among individuals serving in the Department as civilian employees or members of the Armed Forces who are, equivalent in grade or rank, at or below the level of Under Secretary of Defense. The designated senior official shall oversee the cross-functional team established pursuant to subsection (c) and serve as an ex-officio member of the Electronic Warfare Executive Committee established in March 2015.

(2) RESPONSIBILITIES.—The designated senior official shall have, with respect to the implementation and oversight of the

processes and procedures established under subsection (a), the following responsibilities:

(A) Overseeing the implementation of the strategy developed by the Electronic Warfare Executive Committee for the conduct and execution of the electronic warfare mission area and joint electromagnetic spectrum operations by the Department, coordinated across all relevant elements of the Department, including both near-term and long-term guidance for the conduct of such operations.

(B) Providing recommendations to the Electronic Warfare Executive Committee on resource allocation to support the capability development and investment in the electronic warfare and joint electromagnetic spectrum operation mission areas.

(C) Proposing electronic warfare governance, management, organizational, and operational reforms to Secretary of Defense, after review and comment by the Electronic Warfare Executive Committee.

(3) ANNUAL CERTIFICATION ON BUDGETING FOR CERTAIN CAPABILITIES.—Each budget for fiscal years 2020 through 2024 submitted by the President to Congress pursuant to section 1105(a) of title 31, United States Code, shall include the same information that was required to be submitted annually under section 1053(b) of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111-84; 123 Stat. 2459) for each of fiscal years 2011 through 2015 and an assessment by the senior designated official as to whether sufficient funds are requested in such budget for anticipated activities in such fiscal year for each of the following:

(A) The development of an electromagnetic battle management capability for joint electromagnetic spectrum operations.

(B) The establishment and operation of associated joint electromagnetic spectrum operations cells.

(c) CROSS-FUNCTIONAL TEAM FOR ELECTRONIC WARFARE.—

(1) ESTABLISHMENT REQUIRED.—The Secretary shall, in accordance with section 911(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328; 130 Stat. 2345; 10 U.S.C. 111 note), establish a cross-functional team for electronic warfare in order to identify gaps in electronic warfare and joint electromagnetic spectrum operations, capabilities, and capacities within the Department across personnel, procedural, and equipment areas.

(2) SPECIFIC DUTIES.—The cross-functional team established pursuant to paragraph (1) shall provide recommendations to the senior designated official to address gaps identified as described in that paragraph.

(d) PLANS AND REQUIREMENTS FOR ELECTRONIC WARFARE.—

(1) IN GENERAL.—The Secretary shall require the designated senior official to task the cross-functional team established pursuant to subsection (c) to develop requirements and specific plans for addressing personnel, capability, and capacity gaps in the electronic warfare mission area, and plans for future warfare in that domain (including maintaining a roadmap

for the current future-years defense program under section 221 of title 10, United States Code).

(2) UPDATE OF STRATEGY.—Not later than 180 days after the date of the enactment of this Act, and biennially thereafter, the Electronic Warfare Executive Committee, in coordination with the cross-functional team shall—

(A) update the strategy of the Department of Defense entitled "The DOD Electronic Warfare Strategy" and dated June 2017, to include the roadmap developed by the cross-functional team pursuant to in paragraph (1); and

(B) submit the updated strategy to the congressional defense committees.

(3) ELEMENTS.—The requirements and plans and associated roadmap developed by the cross-functional team pursuant to paragraph (1) shall include the following:

(A) An accounting of the efforts undertaken in support of the strategy referred to in paragraph (2)(A) and to implement applicable elements of Department of Defense Directive 3222.04, dated May 10, 2017, or any subsequent updates to such directive.

(B) A description of any updates or changes to the strategy since its issuance, and a description of any anticipated updates or changes to the strategy as a result of the designation of the designated senior official.

(C) An assessment of vulnerabilities identified in the May 2015 Electronic Warfare assessment by the Defense Science Board.

(D) An assessment of the capability of joint forces to conduct joint electromagnetic spectrum operations against near-peer adversaries and any capability or capacity gaps in such capability that need to be addressed, including an assessment of the ability of joint forces to conduct coordinated military operations to exploit, attack, protect, and manage the electromagnetic environment in the signals intelligence, electronic warfare, and spectrum management mission areas, including the capability to conduct integrated cyber and electronic warfare on the battlefield, for all level 3 and level 4 contingency plans (as such plans are described in Joint Publication 5-0 of the Joint Chiefs of Staff, entitled "Joint Planning" and dated June 16, 2017).

(E) A review of the roles and functions of offices within the Joint Staff, the Office of the Secretary of Defense, and the combatant commands with primary responsibility for joint electromagnetic spectrum policy and operations.

(F) A description of any assumptions about the roles and contributions of the Department, in coordination with other departments and agencies of the United States Government, with respect to the strategy.

(G) A description of actions, performance metrics, and projected timelines for achieving key capabilities for electronic warfare and joint electromagnetic spectrum operations to correspond to the thematic goals identified in the strategy and as addressed by the roadmap.

(H) An analysis of any personnel, resourcing, capability, authority, or other gaps to be addressed in order to

ensure effective implementation of the strategy across all relevant elements of the Department, including an update on each of the following:

(i) The development of an electromagnetic battle management capability for joint electromagnetic spectrum operations.

(ii) The establishment and operation of joint electromagnetic spectrum operations cells at combatant command locations.

(iii) The integration and synchronization of cyber and electromagnetic activities.

(I) An investment framework and projected timeline for addressing any gaps described by subparagraph (H).

(J) In consultation with the Director of the Defense Intelligence Agency—

(i) comprehensive assessments of the electronic warfare capabilities of the Russian Federation and the People's Republic of China, which shall include—

(I) electronic warfare doctrine;

(II) order of battle on land, sea, air, space, and cyberspace; and

(III) expected direction of technology and research over the next 10 years; and

(ii) a review of vulnerabilities with respect to electronic systems, such as the Global Positioning System, and Department-wide abilities to conduct countermeasures in response to electronic warfare attacks.

(K) A review of the sufficiency of experimentation, testing, and training infrastructure, ranges, instrumentation, and threat simulators required to support the development of electromagnetic spectrum capabilities.

(L) A plan, and the estimated cost and schedule of implementing the plan, to conduct joint campaign modeling and wargaming for joint electromagnetic spectrum operations.

(M) Any other matters as the Secretary considers appropriate.

(4) PERIODIC STATUS REPORTS.—Not later than 90 days after the requirements and plans required by paragraph (1) are submitted in accordance with paragraph (2), and every 180 days thereafter during the three-year period beginning on the date such plans and requirements are first submitted in accordance with paragraph (2), the designated senior official shall submit to the congressional defense committees a report describing the status of the efforts of the Department in accomplishing the tasks specified in subparagraphs (A) through (I) and (K) through (M) of paragraph (3).

(5) COMPREHENSIVE ASSESSMENTS AND REVIEW.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees the comprehensive assessments and review required under paragraph (3)(J).

(e) TRAINING AND EDUCATION.—Consistent with the elements under subsection (d)(3) of the plans and requirements required by subsection (d)(1), the cross-functional team established pursuant to

subsection (c) shall provide the senior designated official recommendations for programs to provide training and education to such members of the Armed Forces and civilian employees of the Department as the Secretary considers appropriate in order to ensure that such members and employees understand the roles and vulnerabilities associated with electronic warfare and dependence on the electromagnetic spectrum.

Subtitle E—Studies and Reports

SEC. 1061. ANNUAL REPORTS BY THE ARMED FORCES ON OUT-YEAR UNCONSTRAINED TOTAL MUNITIONS REQUIREMENTS AND OUT-YEAR INVENTORY NUMBERS.

(a) REPORTS REQUIRED.—Chapter 9 of title 10, United States Code, is amended by inserting after section 222b, as added by section 1677, the following new section:

"§ 222c. Armed forces: Out-Year Unconstrained Total Munitions Requirements; Out-Year inventory numbers

"(a) ANNUAL REPORTS.—At the same time each year that the budget for the fiscal year beginning in such year is submitted to Congress pursuant to section 1105(a) of title 31, the chief of staff of each armed force (other than the Coast Guard) shall submit to the congressional defense committees a report setting forth for such armed force each of the following for such fiscal year, broken out as specified in subsection (b):

"(1) The Out-Year Unconstrained Total Munitions Requirement.

"(2) The Out-Year inventory numbers.

"(b) PRESENTATION.—The Out-Year Unconstrained Total Munitions Requirement and Out-Year inventory numbers for an armed force for a fiscal year pursuant to subsection (a) shall include specific inventory objective requirements for each variant of munitions with respect to each of the following:

"(1) Combat Requirement, broken out by operation plan (OPLAN).

"(2) Current Operation/Forward Presence Requirement.

"(3) Strategic Readiness Requirement.

"(4) Homeland Defense.

"(5) Training and Testing Requirement.

"(6) Total Out-Year Unconstrained Total Munitions Requirement, calculated in accordance with the implementation guidance described in subsection (c).

"(7) Out-year worldwide inventory.

"(c) IMPLEMENTATION GUIDANCE USED.—In submitting information pursuant to subsection (a) for a fiscal year, the chief of staff of each armed force shall describe and explain the munitions requirements process implementation guidance developed by the Under Secretary of Defense for Acquisition and Sustainment and used by such armed force for the munitions requirements process for such armed force for that fiscal year.

"(d) DEFINITIONS.—In this section:

"(1) The term 'chief of staff', with respect to the Marine Corps, means the Commandant of the Marine Corps.

"(2) The term 'Out-Year Unconstrained Total Munitions Requirement' has the meaning given that term in and for purposes

of Department of Defense Instruction 3000.04, or any successor instruction.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 9 of such title is amended by inserting after the item relating to section 222b, as added by section 1677, the following new item:

"222c. Armed forces: Out-Year Unconstrained Total Munitions Requirements; Out-Year inventory numbers.".

SEC. 1062. IMPROVEMENT OF ANNUAL REPORT ON CIVILIAN CASUALTIES IN CONNECTION WITH UNITED STATES MILITARY OPERATIONS.

(a) MODIFICATION AND EXPANSION OF ELEMENTS.—Subsection (b) of section 1057 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended—

(1) in paragraph (1), by inserting ", including each specific mission, strike, engagement, raid, or incident," after "military operations";

(2) in paragraph (2)(E), by inserting before the period at the end the following: ", including a differentiation between those killed and those injured";

(3) in paragraph (3), by inserting before the period at the end the following: ", and, when appropriate, makes ex gratia payments to the victims or their families";

(4) by redesignating paragraph (5) as paragraph (6); and

(5) by inserting after paragraph (4) the following new paragraph (5):

"(5) Any update or modification to any report under this section during a previous year.".

(b) SCOPE OF UNCLASSIFIED FORM OF REPORT.—Subsection (d) of such section is amended by adding at the end the following new sentence: "The unclassified form of each report shall, at a minimum, be responsive to each element under subsection (b) of a report under subsection (a), and shall be made available to the public at the same time it is submitted to Congress (unless the Secretary certifies in writing that the publication of such information poses a threat to the national security interests of the United States).".

SEC. 1063. REPORT ON CAPABILITIES AND CAPACITIES OF ARMORED BRIGADE COMBAT TEAMS.

(a) IN GENERAL.—Not later than 60 days after the date of the enactment of this Act, the Secretary of the Army shall submit to the congressional defense committees a report on the capabilities and capacities of Armored Brigade Combat Teams.

(b) ELEMENTS.—The report required under subsection (a) shall include the following:

(1) A description of the total number of Armored Brigade Combat Teams required to support the National Defense Strategy.

(2) A description of the manner in which the Army plans to equip and field future Armored Brigade Combat Teams.

(3) A description of the total number of mechanized infantry companies required in support of the Armored Brigade Combat Teams.

(4) A description of steps being taken to improve the number and quality of live-fire gunnery exercises executed each year, including improving execution of battalion and brigade-level

combined arms live-fire exercises both at home station and at the Combat Training Centers.

(5) A description of training being conducted to train Armored Brigade Combat Teams in combined arms for air defense and to counter unmanned aerial vehicles with organic weapons and tactics.

(6) A plan to improve personnel preparedness by the reduction of non-deployable soldiers and improvements in combat vehicle crew stability and material readiness of key combat systems.

(7) A description of deficiencies in repair parts and number of qualified mechanics, and a plan to correct such deficiencies.

(8) A plan for the modernization of the Armored Brigade Combat Teams.

SEC. 1064. ACTIVITIES AND REPORTING RELATING TO DEPARTMENT OF DEFENSE'S CLOUD INITIATIVE.

(a) ACTIVITIES REQUIRED.—Commencing not later than 90 days after the date of the enactment of this Act, the Chief Information Officer of the Department of Defense, acting through the Cloud Executive Steering Group established by the Deputy Secretary of Defense in a directive memorandum dated September 13, 2017, in order to support its Joint Enterprise Defense Infrastructure initiative to procure commercial cloud services, shall conduct certain key enabling activities as follows:

(1) Develop an approach to rapidly acquire advanced commercial network capabilities, including software-defined networking, on-demand bandwidth, and aggregated cloud access gateways, through commercial service providers in order—

(A) to support the migration of applications and systems to commercial cloud platforms;

(B) to increase visibility of end-to-end performance to enable and enforce service level agreements for cloud services;

(C) to ensure efficient and common cloud access;

(D) to facilitate shifting data and applications from one cloud platform to another;

(E) to improve cybersecurity; and

(F) to consolidate networks and achieve efficiencies and improved performance;

(2) Conduct an analysis of existing workloads that would be migrated to the Joint Enterprise Defense Infrastructure, including—

(A) identifying all of the cloud initiatives across the Department of Defense, and determining the objectives of such initiatives in connection with the intended scope of the Infrastructure;

(B) identifying all the systems and applications that the Department would intend to migrate to the Infrastructure;

(C) conducting rationalization of applications to identify applications and systems that may duplicate the processing of workloads in connection with the Infrastructure; and

(D) as result of such actions, arriving at dispositions about migration or termination of systems and applications in connection with the Infrastructure.

(b) REPORT REQUIRED.—The Chief Information Officer shall submit to the congressional defense committees a report on the Department of Defense's Cloud Initiative to manage networks, data centers, and clouds at the enterprise level. Such report shall include each of the following:

(1) A description the status of completion of the activities required under subsection (a).

(2) Information relating to the current composition of the Cloud Executive Steering Group and the stakeholders relating to the Department of Defense's Cloud Initiative and associated mission, objectives, goals, and strategy.

(3) A description of the characteristics and considerations for accelerating the cloud architecture and services required for a global, resilient, and secure information environment.

(4) Information relating to acquisition strategies and timeline for efforts associated with the Department of Defense's Cloud Initiative, including the Joint Enterprise Defense Infrastructure.

(5) A description of how the acquisition strategies referred to in paragraph (4) provides for a full and open competition, enable the Department of Defense to continuously leverage and acquire new cloud computing capabilities, maintain the ability of the Department to leverage other cloud computing vendor products and services, incorporate elements to maintain security, and provide for the best performance, cost, and schedule to meet the cloud architecture and services requirements of the Department for the duration of such contract.

(6) A detailed description of existing workloads that will be migrated to enterprise-wide cloud infrastructure or platforms as a result of the Department of Defense's Cloud Initiative, including estimated migration costs and timelines, based on the analysis required under subsection (a)(2).

(7) A description of the program management and program office of the Department of Defense's Cloud Initiative, including the number of personnel, overhead costs, and organizational structure.

(8) A description of the effect of the Joint Enterprise Defense Infrastructure on and the relationship of such Infrastructure to existing cloud computing infrastructure, platform, and service contracts across the Department of Defense, specifically the effect and relationship to the private cloud infrastructure of the Department, MilCloud 2.0 run by the Defense Information Systems Agency based on the analysis required under subsection (a)(2).

(9) Information relating to the most recent Department of Defense Cloud Computing Strategy and description of any initiatives to update such Strategy.

(10) Information relating to Department of Defense guidance pertaining to cloud computing capability or platform acquisition and standards, and a description of any initiatives to update such guidance.

(11) Any other matters the Secretary of Defense determines relevant.

(c) LIMITATION ON USE OF FUNDS.—Of the amounts authorized to be appropriated or otherwise made available by this Act for fiscal year 2019 for the Department of Defense's Cloud Initiative, not more than 85 percent may be obligated or expended until the Secretary of Defense submits to the congressional defense committees the report required by subsection (b).

(d) LIMITATION ON NEW SYSTEMS AND APPLICATIONS.—

(1) IN GENERAL.—Except as provided in paragraph (2), the Deputy Secretary shall require that no new system or application will be approved for development or modernization without an assessment that such system or application is already, or can and would be, cloud-hosted.

(2) WAIVER.—The Deputy Secretary may issue a national waiver to the requirement under paragraph (1) if the Deputy Secretary determines, pursuant to the assessment described in such paragraph, that the requirement would adversely affect the national security of the United States. If the Deputy Secretary issues a waiver under this paragraph, the Deputy Secretary shall provide to the congressional defense committees a written notification of such waiver, justification for the waiver, and identification of the system or application to which the waiver applies by not later than 15 days after the date on which the waiver is issued.

(e) TRANSPARENCY AND COMPETITION.—The Deputy Secretary shall ensure that the acquisition approach of the Department continues to follow the Federal Acquisition Regulation with respect to competition.

SEC. 1065. LIMITATION ON USE OF FUNDS FOR UNITED STATES SPECIAL OPERATIONS COMMAND GLOBAL MESSAGING AND COUNTER-MESSAGING PLATFORM.

(a) LIMITATION; REPORT.—None of the funds authorized to be appropriated by this Act may be used for United States Special Operations Command's Global Messaging and Counter-Messaging platform until the Secretary of Defense submits to the congressional defense committees a report containing the following elements:

(1) The justification of the Secretary for the proposed designation of the United States Special Operations Command as the entity responsible for establishing the centralized Global Messaging and Counter-Messaging capability.

(2) A description of the proposed roles and responsibilities of the United States Special Operations Command as such entity.

(3) An implementation plan for the establishment of the platform, including a timeline for achieving initial and full operational capability.

(4) A description of the impacts to existing counter-messaging platforms, capabilities, and contracts.

(5) A description of the budget requirements for the platform to reach full operational capability, including an identification and cost of any infrastructure and equipment requirements.

(6) A summary of costs to operate and sustain the platform across the future-years defense program under section 221 of title 10, United States Code.

(7) A comprehensive plan for the continual assessment of the effectiveness of the Global Messaging and Counter-Messaging activities and programs.

(8) An explanation of the Secretary's guidance to the combatant commands to ensure unity of effort and prevent the proliferation of messaging and counter-messaging platforms.

(9) A detailed description of the processes for deconfliction and, where possible, integration of platform planning and activities with those of relevant departments and agencies of the United States Government, including the Global Engagement Center of the Department of State.

(10) An identification of any additional authorities that may be required for achieving full operational capability of the platform.

(11) A description of other actions, activities, and efforts taken to implement section 1637 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

(12) Any other matters the Secretary determines are relevant.

(b) ADDITIONAL REPORT REQUIRED.—Not later than 9 months after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report containing a review and assessment of the doctrine, organization, training, materiel, leadership and education, personnel, and facilities applicable to military information support personnel, including—

(1) an assessment of current doctrine, organization, training, materiel, leadership and education, personnel, and facilities; and

(2) recommended changes for enhancing the ability of military information support personnel to operate effectively in the current and future information environment.

SEC. 1066. COMPREHENSIVE REVIEW OF PROFESSIONALISM AND ETHICS PROGRAMS FOR SPECIAL OPERATIONS FORCES.

(a) REVIEW REQUIRED.—The Secretary of Defense shall conduct a comprehensive review of the ethics programs and professionalism programs of the United States Special Operations Command and of the military departments for officers and other military personnel serving in special operations forces.

(b) ELEMENTS OF THE REVIEW.—The review conducted under subsection (a) shall specifically include a description and assessment of each of the following:

(1) The professionalism and ethics standards of the United States Special Operations Command and affiliated component commands.

(2) The ethics programs and professionalism programs of the military departments available for special operations forces.

(3) The ethics programs and professionalism programs of the United States Special Operations Command and affiliated component commands.

(4) The roles and responsibilities of the military departments and the United States Special Operations Command and affiliated component commands in administering, overseeing,

managing, and ensuring compliance and participation of special operations forces in ethics programs and professionalism programs, including an identification of—

(A) any gaps in the administration, oversight, and management of such programs and in ensuring the compliance and participation in such programs; and

(B) any additional guidance that may be required for a systematic, integrated approach in administering, overseeing, and managing such programs and in ensuring compliance with and participation in such programs in order to address issues and improve adherence to professionalism and ethics standards.

(5) The adequacy of the existing management and oversight framework for ensuring that all ethics programs and professionalism programs available to special operations forces meet Department standards.

(6) Tools and metrics for identifying and assessing individual and organizational ethics and professionalism issues with respect to special operations forces.

(7) Tools and metrics for assessing the effectiveness of existing ethics programs and professionalism programs in improving or addressing individual and organizational ethics-related and professionalism issues with respect to special operations forces.

(8) Any additional actions that may be required to address or improve individual and organizational ethics and professionalism issues with respect to special operations forces.

(9) Any additional actions that may be required to improve the oversight and accountability by senior leaders of ethics and professionalism-related issues with respect to special operations forces.

(c) LIMITATION ON DELEGATION.—The Secretary of Defense may only delegate responsibility for any element of the review required by subsection (a) to the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict, in coordination with other appropriate offices of the Secretary of Defense and the secretaries of the military departments.

(d) DEADLINE FOR SUBMITTAL OF REVIEW.—The Secretary of Defense shall submit the review required by subsection (a) to the Committees on Armed Services of the Senate and the House of Representatives by not later than March 1, 2019.

(e) DEFINITIONS.—In this section:

(1) The term "ethics program" means a program that includes—

(A) compliance-based ethics training, education, initiative, or other activity that focuses on adherence to rules and regulations; and

(B) values-based ethics training, education, initiative, or other activity that focuses on upholding a set of ethical principles in order to achieve high standards of conduct and incorporate guiding principles to help foster an ethical culture and inform decision-making where rules are not clear.

(2) The term "professionalism program" means a program that includes training, education, initiative, or other activity

that focuses on values, ethics, standards, code of conduct, and skills as related to the military profession.

SEC. 1067. MUNITIONS ASSESSMENTS AND FUTURE-YEARS DEFENSE PROGRAM REQUIREMENTS.

(a) REQUIRED REPORTS.—Not later than March 1, 2019, and annually thereafter, the Under Secretary of Defense for Acquisition and Sustainment, in consultation with the Chairman of the Joint Chiefs of Staff shall submit to the congressional defense committees each of the following:

(1) The most current munitions assessments, as defined by Department of Defense Instruction Number 3000.04, relating to the Department of Defense munitions requirements process.

(2) The most current sufficiency assessments, as defined by such Department of Defense Instruction.

(3) The most current approved memorandum of the Joint Requirements Oversight Council resulting from the munitions requirements process.

(4) The planned funding and munitions requirements required for the first fiscal year beginning after the date of the submittal of the report and across the future-years defense program for munitions across all military departments and the Missile Defense Agency.

(5) The planned foreign military sales and foreign military financing orders for United States munitions across the future-years defense program.

(b) SUNSET.—The requirement to submit reports and assessments under this section shall terminate on December 31, 2021.

(c) SUPPLY CHAIN ASSESSMENTS.—Beginning in fiscal year 2020, the Under Secretary shall evaluate supply chain risks, including qualified supplier shortages and single source supplier vulnerabilities for munitions production. The Under Secretary shall include in the reports required under subsection (a) for fiscal year 2020 and any subsequent fiscal year for which such reports are required to be submitted, a list of munitions that are at risk of production impacts from the loss of qualified suppliers.

SEC. 1068. REPORT ON ESTABLISHMENT OF ARMY FUTURES COMMAND.

(a) REPORT REQUIRED.—Not later than February 1, 2019, the Secretary of the Army shall submit to the congressional defense committees a report on the Army's plan for the establishment of Army Futures Command.

(b) CONTENTS OF REPORT.—The report required by subsection (a) shall include each of the following:

(1) A description of the mission of Army Futures Command.

(2) A description of the authorities and responsibilities of the Commander of Army Futures Command.

(3) A description of the relationship between such authorities and the authorities of the Army Acquisition Authority and a description of any changes to be made to the authorities and missions of other Army major commands.

(4) A detailed description of the structure for Army Futures Command, including grade requirements.

(5) A detailed description of any resources or elements to be realigned from the Army Training and Doctrine Command,

Army Materiel Command, Army Force Command, or Army Test and Evaluation Command to Army Futures Command.

(6) An assessment of the number and location of members of the Armed Forces and Department of Defense civilian personnel expected to be assigned to Army Futures Command.

(7) A cost estimate for the establishment of Army Futures Command in fiscal year 2019 and projected costs for each of fiscal years 2020 through 2023.

(8) A description of the headquarters stationing selection criteria and methodology.

(9) Any other information relating to the command, as determined by the Secretary.

SEC. 1069. REPORT ON CYBER-ENABLED INFORMATION OPERATIONS.

Not later than 180 days after the date of the enactment of this Act, the President shall transmit to the Committees on Armed Services and Foreign Affairs of the House of Representative and the Committees on Armed Services and Foreign Relations of the Senate a report on the effects of cyber-enabled information operations on the national security of the United States. Such report shall include each of the following:

(1) A summary of actions taken by the Federal Government to protect the national security of the United States against cyber-enabled information operations.

(2) A description of the resources necessary to protect the national security of the United States against cyber-enabled information operations by foreign adversaries.

SEC. 1070. REPORT ON UNMANNED AIRCRAFT IN ARLINGTON NATIONAL CEMETERY.

(a) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense and the Administrator of the Federal Aviation Administration shall jointly submit to the Committee on Armed Services, the Committee on Transportation and Infrastructure, and the Committee on Veterans' Affairs of the House of Representatives and the Committee on Armed Services, the Committee on Commerce, Science, and Transportation, and the Committee on Veterans' Affairs of the Senate a report on whether legislative action is required to prevent low flying unmanned aircraft from disrupting funerals at Arlington National Cemetery.

(b) UNMANNED AIRCRAFT DEFINED.—In this section, the term "unmanned aircraft" has the meaning given such term in section 331(8) of the FAA Modernization and Reform Act of 2012 (Public Law 112–95; 49 U.S.C. 40101 note).

SEC. 1071. REPORT ON AN UPDATED ARCTIC STRATEGY.

(a) REPORT ON AN UPDATED STRATEGY.—Not later than June 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a report on an updated Arctic strategy to improve and enhance joint operations.

(b) ELEMENTS.—The report required by subsection (a) shall include the following:

(1) A description of United States national security interests in the Arctic region.

(2) An assessment of the threats and security challenges posed by adversaries operating in the Arctic region, including

descriptions of such adversaries' intents and investments in Arctic capabilities.

(3) A description of the roles and missions of each military service in the Arctic region in the context of joint operations to support the Arctic strategy, including—

(A) a description of a joint Arctic strategy for sea operations, including all military and Coast Guard vessels available for Arctic operations;

(B) a description of a joint Arctic strategy for air operations, including all rotor and fixed wing military aircraft platforms available for Arctic operations; and

(C) a description of a joint Arctic strategy for ground operations, including all military ground forces available for Arctic operations.

(4) A description of near-term and long-term training, capability, and resource gaps that must be addressed to fully execute each mission described in the Arctic strategy against an increasing threat environment.

(5) A description of the level of cooperation between the Department of Defense, any other departments and agencies of the United States Government, State and local governments, and tribal entities related to the defense of the Arctic region.

(c) FORM OF REPORT.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1072. REPORT ON USE AND AVAILABILITY OF MILITARY INSTALLATIONS FOR DISASTER RESPONSE.

(a) REPORT REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report that identifies—

(1) each military installation that has been made available to the Department of Homeland Security for disaster response for the past 10 fiscal years; and

(2) military installations assessed to be available in support of fast response to disasters.

(b) ELEMENTS.—The report required under subsection (a) shall include the following:

(1) For each military installation identified under subsection (a)(1)—

(A) the name of the installation;

(B) the location of the installation, including the State and Congressional District;

(C) a description of the infrastructure and equipment made available at the installation; and

(D) a description of personnel made available for disaster response.

(2) For each military installation identified under subsection (a)(2)—

(A) the name of the installation;

(B) the location of the installation, including the State and Congressional District;

(C) a description of the infrastructure and equipment to be available at the installation; and

(D) a description of personnel to be available for disaster response.

SEC. 1073. REPORT ON DEPARTMENT OF DEFENSE PARTICIPATION IN EXPORT ADMINISTRATION REGULATIONS LICENSE APPLICATION REVIEW PROCESS.

(a) IN GENERAL.—Not later than 180 days after the enactment of this Act, and every 180 days thereafter until the date that is three years after such date of enactment, the Under Secretary of Defense for Policy shall submit to the appropriate congressional committees a report on the participation by the Department of Defense in the process for reviewing applications for export licenses under the Export Administration Regulations as a reviewing agency under Executive Order 12981 (50 U.S.C. 4603 note; relating to administration of export controls).

(b) ELEMENTS.—The report required by subsection (a) shall include the following:

(1) The number of applications for export licenses under the Export Administration Regulations reviewed by the Department of Defense in the 180-day period preceding the submission of the report.

(2) The number of instances during that 180-day period in which the Department disagreed with a final determination made with respect to such an application under the review procedures set forth in Executive Order 12981.

(3) A summary of such instances, including—

(A) a summary of the applicants for such licenses and the recipients of items pursuant to such licenses in such instances;

(B) a description of sensitive technologies involved in such instances; and

(C) a description of the rationale of the Department for disagreeing with such determinations.

(4) The number of such applications under review by the Department or undergoing interagency dispute resolution as of the date of the submission of the report.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form but may include a classified annex.

(d) DEFINITIONS.—In this section:

(1) The term "appropriate congressional committees" means—

(A) the congressional defense committees;

(B) the Committee on Foreign Affairs of the House of Representatives; and

(C) the Committee on Foreign Relations of the Senate.

(2) The term "Export Administration Regulations" means subchapter C of chapter VII of title 15, Code of Federal Regulations.

SEC. 1074. MILITARY AVIATION READINESS REVIEW IN SUPPORT OF THE NATIONAL DEFENSE STRATEGY.

(a) REPORT REQUIRED.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on military aviation readiness in support of the National Defense Strategy (NDS).

(b) REVIEW FOR REPORT PURPOSES.—

(1) IN GENERAL.—The report under subsection (a) shall be based on a review conducted for purposes of the report in accordance with this section.

(2) PANEL.—The review shall be conducted by a panel consisting of the following:

(A) The Commander of the Air Combat Command, who shall head the panel.

(B) The Commander of the Army Aviation Branch.

(C) The Commander, Naval Air Forces.

(D) The Deputy Commandant of the Marine Corps for Aviation.

(E) Such other personnel of the Department of Defense as the Secretary considers appropriate.

(c) REVIEW ELEMENTS.—The review required by subsection (b) shall address the following:

(1) An analysis of the career progression of military pilots and non-pilot aviators, including a comparison between military pilot and non-pilot aviators, on the one hand, and other military specialities, on the other hand, with respect to each of the following:

(A) Tours of duty.

(B) Assignment lengths.

(C) Minimum service commitments.

(D) Professional performance evaluation systems.

(E) Statutory and administrative promotion processes.

(2) An analysis of aircrew aviation training for various aircraft platforms, including—

(A) an historical analysis, covering the past 15 years, of first and second assignment total flight hours and model-specific flight hours for military pilots and non-pilot aviators; and

(B) an analysis of the flight hour program in order to determine the appropriate level of required monthly flight hours and sorties to maintain currency (minimum safe level) and proficiency (minimum level to be tactically competent).

(3) An analysis of the effect of recent operational deployments on the ability of military pilots and non-pilot aviators to build and maintain readiness for potential threats from a near-peer adversary, including—

(A) a comparison of rates of simulator usage for military pilots and non-pilot aviators within and not within the pre-deployment training window; and

(B) an assessment of the suitability of training curriculum to address high-end combat operations against a near-peer adversary.

(4) An analysis of aviation squadron size and composition, including—

(A) individual unit-level aircraft allocation;

(B) aviation platform-specific force structure; and

(C) quantity of squadrons within each aviation platform.

(5) An analysis of aviation squadron manning documents on appropriate levels and composition of military pilots, non-pilot aviators, and non-aircrew for each squadron in support of

the most current National Defense Strategy, including a consideration of—

(A) appropriate levels and composition of military pilots, non-pilot aviators, and non-aircrew for each squadron in support of such National Defense Strategy;

(B) flight-related workload compared with non-flight related workload for military pilots and non-pilot aviators;

(C) the number of different aircraft platforms to which enlisted maintenance personnel are expected to be assigned throughout a typical career; and

(D) career training milestones for enlisted maintenance personnel, and the effects of such milestones on military aviation readiness.

(6) An analysis of logistics programs in support of military aviation readiness, including—

(A) an evaluation of any shortfalls in logistics programs that serve as contributing factors to both military pilot retention and overall readiness of military aviation units;

(B) an analysis of aircraft parts cannibalization rates;

(C) a determination of average mission capable ratings for aircraft throughout the various stages of the deployment cycle;

(D) an analysis of rates of reassignment of aircraft from non-deploying units to deploying units; and

(E) an identification of individual aircraft communities, if any, with strained supply chains with single-source suppliers.

SEC. 1075. REPORT ON HIGHEST-PRIORITY ROLES AND MISSIONS OF THE DEPARTMENT OF DEFENSE AND THE ARMED FORCES.

(a) REPORT ON ROLES AND MISSIONS.—

(1) REPORT REQUIRED.—Not later than March 31, 2019, the Secretary of Defense shall submit to the congressional defense committees a report setting forth a re-evaluation of the highest priority missions of the Department of Defense, and of the roles of the Armed Forces in the performance of such missions.

(2) GOALS.—The goals of the re-evaluation required for purposes of the report shall be as follows:

(A) To support implementation of the National Defense Strategy.

(B) To optimize the effectiveness of the joint force.

(C) To inform the preparation of future defense program and budget requests by the Secretary, and the consideration of such requests by Congress.

(b) ELEMENTS.—The report required by subsection (b) shall include the following:

(1) A detailed description of the pacing threats for each Armed Force, and for special operations forces, and an assessment of the manner in which such pacing threats determine the primary role of each Armed Force, and special operations forces, including the connection between key operational tasks required by contingency plans.

(2) A specific requirement for the size and composition of each Armed Force, including the following:

(A) The required total end strength and force structure by type for the Army.

(B) The required fleet size of the Navy, identified by class of ships and the corresponding total end strength requirement once that fleet size is achieved.

(C) The required number of operational Air Force squadrons, identified by function and the corresponding total end strength requirement once that number of squadrons is achieved.

(D) The required total end strength and force structure by type for the Marine Corps.

(3) An evaluation of the roles of the Armed Forces in performing low-intensity missions, such as counterterrorism and security force assistance.

(4) An assessment of the roles of the total ground forces, both Army and Marine Corps, to execute the National Defense Strategy.

(5) An assessment, based on operational plans, of the ability of power projection platforms to survive and effectively perform the highest priority operational missions described in the National Defense Strategy.

(6) An assessment, based on operational plans, of the ability of manned, stealthy, penetrating strike platforms to survive and perform effectively the highest priority operational missions described in the National Defense Strategy.

(7) An evaluation of the most effective and efficient means for the joint force to achieve air superiority in both contested and uncontested environments.

(8) An evaluation of the roles of the joint special operations enterprise.

(9) An assessment of the manner in which increased use of the space domain should revise or reallocate the requirements of the joint force.

(10) An assessment of the manner in which the joint force will perform the mission of logistics in contested environments.

(c) FORM.—The report required in subsection (b) shall be submitted in classified form, and shall include an unclassified summary.

Subtitle F—Other Matters

SEC. 1081. TECHNICAL, CONFORMING, AND CLERICAL AMENDMENTS.

(a) TITLE 10, UNITED STATES CODE.—Title 10, United States Code, is amended as follows:

(1) Sections 130j and 130k, as added by section 1631 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1736), are amended by striking "section 3093 of title 50, United States Code" both places it appears and inserting "section 503 of the National Security Act of 1947 (50 U.S.C. 3093)".

(2) The table of sections at the beginning of chapter 3 is amended by striking the items relating to sections 130j and 130k and inserting the following new items:

"130j. Notification requirements for sensitive military cyber operations.
"130k. Notification requirements for cyber weapons.".

(3) Section 131(b)(9), as amended by section 811, is further amended—

(A) by striking subparagraphs (B), (C), and (D); and

(B) by redesignating subparagraphs (E), (F), (G), and (H), as subparagraphs (B), (C), (D), and (E), respectively.

(4) The table of sections at the beginning of chapter 4 is amended by striking the item relating to section 261 and inserting the following:

"241. Reference to chapters 1003, 1005, and 1007.".

(5) Section 494(b)(2) is amended in the matter preceding subparagraph (A) by striking "March 1, 2012, and annually thereafter" and inserting "March 1 of each year".

(6) Section 495(a) is amended by striking "Beginning in fiscal year 2013, the" and inserting "The".

(7) Section 499a(d), as added by section 1652(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1757), is amended by striking "on or after the date of the enactment of this section" and inserting "after December 11, 2017,".

(8) Section 637a(d) is amended by striking "specialities" and inserting "specialties".

(9) Section 664(d)(1) is amended by striking "the the" and inserting "the".

(10) The table of subchapters at the beginning of chapter 47A is amended by striking the item relating to subchapter VII and inserting the following:

"VII. POST-TRIAL PROCEDURE AND REVIEW OF MILITARY COMMISSIONS".

(11) The table of sections at the beginning of subchapter VII of chapter 47A is amended by striking the item relating to section 950g and inserting the following:

"950g. Review by United States Court of Appeals for the District of Columbia Circuit; writ of certiorari to Supreme Court.".

(12) Section 950t is amended—

(A) in paragraph (9), by striking "attack. or" and inserting "attack, or";

(B) in paragraph (16), by striking "shall punished" and inserting "shall be punished"; and

(C) in paragraph (22), by adding a period at the end.

(13) The table of sections at the beginning of chapter 55 is amended by striking the item relating to section 1077a and inserting the following:

"1077a. Access to military medical treatment facilities and other facilities.".

(14) Section 1415(e) is amended by striking "concerned".

(15) Section 2006a(b)(3) is amended by striking "the such programs" and inserting "such programs".

(16) Section 2279(c) is amended by striking "subsection (a) and (b)" and inserting "subsections (a) and (b)".

(17) Section 2279c, as added by section 1601(a)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1718), is amended—

(A) in subsection (a)(3), by striking " the date of the enactment of this Act" and inserting "December 12, 2017"; and

(B) in subsection (b)—

(i) in the matter preceding paragraph (1), by striking " the date of the enactment of this section" and inserting "December 12, 2017"; and

(ii) in paragraph (3), by striking "on or after the date that is one year after the date of the enactment of this section" and inserting "after December 11, 2018".

(18)(A) The second section 2279c, as added by section 1602 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1721), is redesignated as section 2279d.

(B) The table of sections at the beginning of chapter 135 is amended by inserting after the item relating to section 2279c the following new item:

"2279d. Limitation on construction on United States territory of satellite positioning ground monitoring stations of certain foreign governments.".

(19) Section 2313b(b)(1)(E), as added by section 803(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1452), is amended by redesignating clauses (A) and (B) as clauses (i) and (ii), respectively.

(20) Section 2337a(d), as added by section 836(a)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1473), is amended by striking "title 10, United States Code" and inserting "this title".

(21) Section 2374a(e) is amended by striking ",," and inserting ",".

(22) The table of sections at the beginning of chapter 141 is amended by striking the item relating to section 2410s and inserting the following new item:

"2410s. Security clearances for facilities of certain companies.".

(23) The heading of section 2410s is amended by striking the period at the end.

(24)(A) The heading of section 2414, as amended by section 817(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1462), is amended to read as follows:

"§ 2414. Funding".

(B) The item relating to such section in the table of sections at the beginning of chapter 142 is amended to read as follows:

"2414. Funding.".

(25) Section 2613(g) is amended by striking "(1)".

(26) Section 2679(a)(1) is amended by striking "Federal government" and inserting "Federal Government".

(27) The heading of section 2691, as amended by section 2814(b)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is amended to read as follows:

"§ 2691. Restoration of land used by permit or damaged by mishap; reimbursement of state costs of fighting wildland fires".

(28) Section 2879(a)(2)(A), as added by section 2817(a)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is amended by striking "on or after the date of the enactment of this section" and inserting "after December 11, 2017,".

(29) The heading of section 2914 is amended to read as follows:

"§ 2914. Energy resilience and conservation construction projects".

(30) Section 10504 is amended—

(A) in subsection (a), by striking "The Chief" and inserting "(1) The Chief"; and

(B) by redesignating the second subsection (b) as subsection (c).

(b) TITLE 32, UNITED STATES CODE.—Title 32, United States Code, is amended in section 902, by striking "the Secretary, determines" and inserting "the Secretary determines".

(c) NDAA FOR FISCAL YEAR 2018.—Effective as of December 12, 2017, and as if included therein as enacted, the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1284 et seq.) is amended as follows:

(1) Section 834(a)(2) (131 Stat. 1470) is amended by striking "subchapter I of".

(2) Section 913(b) is amended by striking the dash after the colon in the matter preceding paragraph (1).

(3) Section 1051(d)) is amended by inserting "National" before "Defense Authorization Act".

(4) Section 1691(i) is amended—

(A) by inserting "the" after "Title XIV of"; and

(B) by inserting "as enacted into law by" before "Public Law 106–398".

(5) Section 2817(a)(2) is amended by striking "table of sections for" and inserting "table of sections at the beginning of subchapter IV of".

(6) Section 2831(b) is amended by inserting "of title 10, United States Code," after "chapter 173".

(7) Section 2876(d) is amended—

(A) by inserting "In this section:" after "DEFINITIONS.—"; and

(B) in paragraph (1)(A), in the matter preceding clause (i), by inserting open quotation marks before "beneficial" and close quotation marks after "owner".

(d) OTHER NDAAS.—Section 828(c) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2430 note), as added by section 825(a)(4) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1466), is amended by inserting "subsection" before "(b)".

(e) OTHER LAWS.—

(1) TITLE 31.—Paragraph (1) of section 5112(p) of title 31, United States Code, as amended by section 885 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1505), is amended by striking ", United States Code" each place it appears.

(2) TITLE 49.—Subsection (h) of section 44718 of title 49, United States Code, as amended and redesignated by sections 311(b)(3) and 311(e)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is amended—

(A) in paragraph (1), by striking "section 183a(g) of title 10" and inserting "section 183a(h)(1) of title 10"; and

(B) in paragraph (2), by striking "section 183a(g) of title 10" and inserting "section 183a(h)(7) of title 10".

(3) ATOMIC ENERGY DEFENSE ACT.—Section 4309(c) of the Atomic Energy Defense Act (50 U.S.C. 2575(c)) is amended by redesignating paragraphs (17) and (18) as paragraphs (16) and (17), respectively.

(f) CONFORMING AMENDMENTS RELATING TO THE CHIEF MANAGEMENT OFFICER OF THE DEPARTMENT OF DEFENSE.—

(1) CONFORMING AMENDMENTS.—

(A) Each of the following provisions law is amended by striking "Deputy Chief Management Officer" each place it appears and inserting "Chief Management Officer":

(i) Section 192(e)(2) of title 10, United States Code.

(ii) Section 2222 of title 10, United States Code.

(iii) Section 11319(d)(4) of title 40, United States Code.

(iv) Section 881(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2302 note).

(v) Section 217 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2445a note).

(B) Section 131(b) of title 10, United States Code, as amended by subsection (a)(3) of this section, is further amended—

(i) by striking paragraph (4); and

(ii) by redesignating paragraphs (5) through (10) as paragraphs (4) through (9), respectively.

(C) Section 137a(d) of title 10, United States Code, is amended—

(i) by striking "the Secretaries of the military departments," and inserting "the Chief Management Officer of the Department of Defense, the Secretaries of the military departments, and"; and

(ii) by striking ", and the Deputy Chief Management Officer of the Department of Defense".

(D) Section 138(d) of title 10, United States Code, is amended—

(i) by inserting "the Chief Management Officer of the Department of Defense," after "the Deputy Secretary of Defense,"; and

(ii) by striking " the Deputy Chief Management Officer of the Department of Defense,".

(E) Section 904(b)(4) the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 10 U.S.C. 132 note.) is amended—

(i) by striking "and Deputy Chief Management Officer"and

(ii) by striking "as is necessary to assist those officials in the performance of their duties" and inserting "as is necessary to assist the Chief Management Officer in the performance of the duties assigned to such official".

(F) Section 5314 of title 5, United States Code, is amended by striking "Deputy Chief Management Officer of the Department of Defense.".

(2) REFERENCES.—

(A) IN LAW OR REGULATION.—Any reference in a law (other than this Act) or regulation in effect on the day before the date of the enactment of this Act to the Deputy Chief Management Officer of the Department of Defense is deemed to be a reference to the Chief Management Officer of the Department of Defense.

(B) IN OTHER DOCUMENTS, PAPERS, OR RECORDS.—Any reference in a document, paper, or other record of the United States prepared before the date of the enactment of this Act to the Deputy Chief Management Officer of the Department of Defense is deemed to be a reference to the Chief Management Officer of the Department of Defense.

(g) COORDINATION WITH OTHER AMENDMENTS MADE BY THIS ACT.—For purposes of applying amendments made by provisions of this Act other than this section, the amendments made by this section shall be treated as having been enacted immediately before any such amendments by other provisions of this Act.

SEC. 1082. PRINCIPAL ADVISOR ON COUNTERING WEAPONS OF MASS DESTRUCTION.

(a) IN GENERAL.—

(1) DESIGNATION OF PRINCIPAL ADVISOR.—Chapter 4 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 145. Principal Advisor on Countering Weapons of Mass Destruction

"The Secretary of Defense may designate, from among the personnel of the Office of the Secretary of Defense, a Principal Advisor on Countering Weapons of Mass Destruction. Such Principal Advisor shall coordinate the activities of the Department of Defense relating to countering weapons of mass destruction. The individual designated to serve as such Principal Advisor shall be an individual who was appointed to the position held by the individual by and with the advice and consent of the Senate.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by adding at the end the following new item:

"145. Principal Advisor on Countering Weapons of Mass Destruction.".

(b) OVERSIGHT PLAN.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a plan to streamline the oversight framework of the Office of the Secretary of Defense, including any efficiencies and the potential to reduce, realign, or otherwise restructure current Assistant Secretary and Deputy Assistant Secretary positions with responsibilities for overseeing countering weapons of mass destruction policy, programs, and activities.

(c) DIRECTIVE.—Not later than 90 days after the submission of the oversight plan under subsection (b), the Secretary of Defense shall issue a directive for the implementation of the oversight plan by the Countering Weapons of Mass Destruction-Unity of Effort Council.

(d) REPORT.—

(1) IN GENERAL.—The Secretary shall submit to the congressional defense committees a report at the same time as the submission of the budget of the President (as submitted to Congress pursuant to section 1105(a) of title 31, United States Code) for each of fiscal years 2020 through fiscal year 2024. Each such report shall include, for the fiscal year covered by the report, each of the following:

(A) A concise budget summary, including budget program data provided by the Undersecretary of Defense (Comptroller) for all activities of the Department that include countering weapons of mass destruction for the period covered by the applicable future-years defense program under section 221 of title 10, United States Code.

(B) A description of the activities taken by the Countering Weapons of Mass Destruction-Unity of Effort Council, including—

(i) A description of actions that are promoting a unity of effort with respect to countering weapons of mass destruction across all elements of the Department.

(ii) A list of topics that have been brought before the Countering Weapons of Mass Destruction-Unity of Effort Council and the resolution of each such topic.

(iii) A description of current and future threats involving weapons of mass destruction.

(iv) A plan, for the period covered by the applicable future-years defense program under section 221 of title 10, United States Code, to address the threats identified under clause (iii) consistent with the budget.

(v) Such other matters as the Secretary determines are relevant.

(2) FORM OF REPORT.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1083. MODIFICATION OF AUTHORITY TO TRANSFER AIRCRAFT TO OTHER DEPARTMENTS FOR WILDFIRE SUPPRESSION PURPOSES.

(a) TRANSFER BY DEPARTMENT OF HOMELAND SECURITY.—Paragraph (1) of subsection (a) of section 1098 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 881) is amended—

(1) in subparagraph (A), by striking "of—" and all that follows and inserting "of the seven demilitarized HC–130H aircraft specified in subparagraph (B) to the Secretary of the Air Force.";

(2) by striking subparagraph (B); and

(3) by redesignating subparagraph (C) as subparagraph (B).

(b) AIR FORCE ACTIONS.—Paragraph (2) of such subsection is amended—

(1) in subparagraph (A)(iii), by striking "to the Secretary of Agriculture" and all that follows and inserting "to the State of California, Natural Resources Agency, for use by the Depart-

ment of Forestry and Fire Protection for firefighting purposes."; and

(2) in subparagraph (C)—

(A) by striking "unless, by reimbursable order" and all that follows through "such modifications" in each of clauses (i) and (ii);

(B) in clause (i), by striking "$5,000,000" and inserting "$7,500,000"; and

(C) in clause (ii), by striking "$130,000,000" and inserting "$150,000,000".

(c) COAST GUARD ACTIONS.—The second sentence of paragraph (3) of such subsection is amended by striking "under paragraph (2)(A)(ii)." and inserting "pursuant to this subsection before the date of the enactment of the John S. McCain National Defense Authorization Act for Fiscal Year 2019. If the Governor of California identifies fewer than seven aircraft to be acquired for firefighting purposes, the Secretary of Homeland Security may retain title and disposition of the HC-130H aircraft not included in the transfer.".

(d) CONFORMING AMENDMENTS.—Subsection (c) of such section is amended by inserting "or the Governor of California" after "Secretary of Agriculture" each place it appears.

(e) SECRETARY OF AGRICULTURE RETRANSFER OF TRANSFERRED INITIAL SPARES AND RELATED EQUIPMENT.—The Secretary of Agriculture shall, acting for the Forest Service, transfer to the Commandant of the Coast Guard or the Governor of California, as appropriate, any initial spares and necessary ground support equipment for HC–130H aircraft that were transferred to the Secretary pursuant to section 1098(a)(1)(A)(ii) of the National Defense Authorization Act for Fiscal Year 2014 before the date of the enactment of this Act.

(f) GOVERNOR OF CALIFORNIA ACTIONS.—

(1) CERTIFICATION REQUIRED.—No action may be taken to transfer any aircraft pursuant to section 1098(a) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 881), as amended by this section, unless the Governor of the State of California submits to the Secretary of Defense certification in writing of the number of HC-130H aircraft that the State of California requests to be transferred pursuant to such section for firefighting purposes.

(2) FAILURE TO SUBMIT CERTIFICATION.—If the Governor of California fails to submit the certification under paragraph (1) before the date that is 120 days after the date of the enactment of this Act—

(A) paragraph (2) of subsection (a) of section 1098 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 881), as amended by this section shall have no force or effect; and

(B) the Secretary of Homeland Security may retain title and disposition of the HC-130H aircraft specified in paragraph (1)(B) of such subsection.

SEC. 1084. IMPROVEMENT OF DATABASE ON EMERGENCY RESPONSE CAPABILITIES.

(a) IN GENERAL.—Section 1406 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2436; 10 U.S.C. 113 note) is amended—

(1) by inserting before "The Secretary" the following: "(a) DATABASE REQUIRED.—";

(2) in subsection (a), as designated by paragraph (1), by adding at the end the following new paragraphs:

"(3) The types of emergency response cyber capabilities that the National Guard of each State and territory may be able to provide in response to domestic or natural man-made disasters, as reported by the States and territories, including—

"(A) capabilities that can be provided within the State or territory;

"(B) capabilities that can be provided under State-to-State mutual assistance agreements; and

"(C) capabilities for defense support to civil authorities.

"(4) The types of emergency response cyber capabilities of other reserve components of the Armed Forces identified by the Secretary that are available for defense support to civil authorities in response to domestic or natural man-made disasters."; and

(3) by adding at the end the following new subsection:

"(b) INFORMATION REQUIRED TO KEEP DATABASE CURRENT.—In maintaining the database required by subsection (a), the Secretary shall identify and revise the information required to be reported and included in the database at least once every two years for purposes of keeping the database current.".

(b) ESTABLISHMENT OF DATABASE.—

(1) DEADLINE FOR ESTABLISHMENT.—The Secretary of Defense shall establish the database required by section 1406 of the John Warner National Defense Authorization Act for Fiscal Year 2007, as amended by subsection (a), by not later than one year after the date of the enactment of this Act.

(2) USE OF EXISTING DATABASE OR SYSTEM FOR CERTAIN CAPABILITIES.—The Secretary may meet the requirement with respect to the capabilities described in subsection (a)(1) of section 1406 of the John Warner National Defense Authorization Act for Fiscal Year 2007, as so amended, in connection with the database required by that section through the use or modification of current databases and tracking systems of the Department of Defense, including the Defense Readiness Reporting System, if the Secretary determines that such action will—

(A) expedite compliance with the requirement; and

(B) achieve such compliance at a cost not greater than the cost of establishing anew the database otherwise covered by the requirement.

SEC. 1085. DISCLOSURE REQUIREMENTS FOR UNITED STATES-BASED FOREIGN MEDIA OUTLETS.

Title VII of the Communications Act of 1934 (47 U.S.C. 601 et seq.) is amended by adding at the end the following:

"SEC. 722. DISCLOSURE REQUIREMENTS FOR UNITED STATES-BASED FOREIGN MEDIA OUTLETS.

"(a) REPORTS BY OUTLETS TO COMMISSION.—Not later than 60 days after the date of the enactment of this section, and not less frequently than every 6 months thereafter, a United States-based foreign media outlet shall submit to the Commission a report that contains the following information:

"(1) The name of such outlet.

"(2) A description of the relationship of such outlet to the foreign principal of such outlet, including a description of the legal structure of such relationship and any funding that such outlet receives from such principal.

"(b) REPORTS BY COMMISSION TO CONGRESS.—Not later than 90 days after the date of the enactment of this section, and not less frequently than every 6 months thereafter, the Commission shall transmit to Congress a report that summarizes the contents of the reports submitted by United States-based foreign media outlets under subsection (a) during the preceding 6-month period.

"(c) PUBLIC AVAILABILITY.—The Commission shall make publicly available on the internet website of the Commission each report submitted by a United States-based foreign media outlet under subsection (a) not later than the earlier of—

"(1) the date that is 30 days after the outlet submits the report to the Commission; or

"(2) the date on which the Commission transmits to Congress under subsection (b) the report covering the 6-month period during which the report of the outlet was submitted to the Commission under subsection (a).

"(d) DEFINITIONS.—In this section:

"(1) FOREIGN PRINCIPAL.—The term 'foreign principal' has the meaning given such term in section 1(b)(1) of the Foreign Agents Registration Act of 1938 (22 U.S.C. 611(b)(1)).

"(2) UNITED STATES-BASED FOREIGN MEDIA OUTLET.—The term 'United States-based foreign media outlet' means an entity that—

"(A) produces or distributes video programming (as defined in section 602) that is transmitted, or intended for transmission, by a multichannel video programming distributor (as defined in such section) to consumers in the United States; and

"(B) would be an agent of a foreign principal (as defined in paragraph (1)) for purposes of the Foreign Agents Registration Act of 1938 (22 U.S.C. 611 et seq.) but for section 1(d) of such Act (22 U.S.C. 611(d)).".

SEC. 1086. UNITED STATES POLICY WITH RESPECT TO FREEDOM OF NAVIGATION AND OVERFLIGHT.

(a) DECLARATION OF POLICY.—It is the policy of the United States to fly, sail, and operate throughout the oceans, seas, and airspace of the world wherever international law allows.

(b) IMPLEMENTATION OF POLICY.—In furtherance of the policy set forth in subsection (a), the Secretary of Defense should—

(1) plan and execute a robust series of routine and regular air and naval presence missions throughout the world and throughout the year, including for critical transportation corridors and key routes for global commerce;

(2) in addition to the missions executed pursuant to paragraph (1), execute routine and regular air and maritime freedom of navigation operations throughout the year, in accordance with international law, including, but not limited to, maneuvers beyond innocent passage; and

(3) to the maximum extent practicable, execute the missions pursuant to paragraphs (1) and (2) with regional partner countries and allies of the United States.

SEC. 1087. NATIONAL COMMISSION ON MILITARY AVIATION SAFETY.

(a) ESTABLISHMENT; PURPOSE.—

(1) ESTABLISHMENT.—There is established the National Commission on Military Aviation Safety (in this section referred to as the "Commission"). The Commission shall be considered an independent establishment of the Federal Government as defined by section 104 of title 5, United States Code, and a temporary organization under section 3161 of such title.

(2) PURPOSE.—The purpose of the Commission is to examine and make recommendations with respect to certain United States military aviation mishaps.

(b) MEMBERSHIP.—

(1) COMPOSITION.—The Commission shall be composed of eight members, of whom—

(A) four shall be appointed by the President;

(B) one shall be appointed by the Chairman of the Committee on Armed Services of the Senate;

(C) one shall be appointed by the Ranking Member of the Committee on Armed Services of the Senate;

(D) one shall be appointed by the Chairman of the Committee on Armed Services of the House of Representatives; and

(E) one shall be appointed by the Ranking Member of the Committee on Armed Services of the House of Representatives.

(2) APPOINTMENT DATE.—The appointments of the members of the Commission shall be made not later than 90 days after the date of the enactment of this Act.

(3) EFFECT OF LACK OF APPOINTMENT BY APPOINTMENT DATE.—If one or more appointments under subparagraph (A) of paragraph (1) is not made by the appointment date specified in paragraph (2), the authority to make such appointment or appointments shall expire, and the number of members of the Commission shall be reduced by the number equal to the number of appointments so not made. If an appointment under subparagraph (B), (C), (D), or (E) of paragraph (1) is not made by the appointment date specified in paragraph (2), the authority to make an appointment under such subparagraph shall expire, and the number of members of the Commission shall be reduced by the number equal to the number otherwise appointable under such subparagraph.

(4) EXPERTISE.—In making appointments under this subsection, consideration should be given to individuals with expertise in military aviation training, aviation technology, military aviation operations, aircraft sustainment and repair, aviation personnel policy, aerospace physiology, and reserve component policy.

(5) PERIOD OF APPOINTMENT; VACANCIES.—Members shall be appointed for the life of the Commission. Any vacancy in the Commission shall not affect its powers, but shall be filled in the same manner as the original appointment.

(6) CHAIR AND VICE CHAIR.—The Commission shall select a Chair and Vice Chair from among its members. The Chair may not be a Federal officer or employee.

(7) STATUS AS FEDERAL EMPLOYEES.—Notwithstanding the requirements of section 2105 of title 5, United States Code, including the required supervision under subsection (a)(3) of such section, the members of the Commission shall be deemed to be Federal employees.

(8) PAY FOR MEMBERS.—

(A) IN GENERAL.—Except for the Chair, each member of the Commission who is not an officer or employee of the Federal government shall be paid at a rate equal to the daily equivalent of the annual rate of basic pay payable for level IV of the Executive Schedule under section 5315 of title 5, United States Code, for each day (including travel time) during which the member is engaged in the actual performance of duties vested in the Commission. All members of the Commission who are officers or employees of the United States shall serve without compensation in addition to that received for their services as officers or employees of the United States.

(B) CHAIR.—The Chair of the Commission shall be paid at a rate equal to the daily equivalent of the annual rate of basic pay payable for level III of the Executive Schedule under section 5314, of title 5, United States Code, for each day (including travel time) during which the member is engaged in the actual performance of duties vested in the Commission.

(C) TRAVEL EXPENSES.—The members of the Commission shall be allowed travel expenses, including per diem in lieu of subsistence, at rates authorized for employees of agencies under subchapter I of chapter 57 of title 5, United States Code, while away from their homes or regular places of business in the performance of services for the Commission.

(c) ADDITIONAL STAFF.—

(1) EXECUTIVE DIRECTOR.—

(A) APPOINTMENT.—The Commission shall appoint and fix the rate of basic pay for an Executive Director in accordance with section 3161 of title 5, United States Code.

(B) LIMITATIONS.—The individual appointed to serve as Executive Director may not have served on active duty in the Armed Forces or as a civilian employee of the Department of Defense during the one-year period preceding the date of such appointment.

(2) COMMISSION STAFF.—The Executive Director, with the approval of the Commission, may appoint and fix the rate of basic pay for additional personnel as staff of the Commission in accordance with section 3161 of title 5, United States Code.

(3) DETAILEES.—Not more than half of the personnel employed by or detailed to the Commission may be on detail from the Department of Defense and other Federal departments or agencies.

(d) MEETINGS.—

(1) IN GENERAL.—The Commission shall meet at the call of the Chair.

(2) INITIAL MEETING.—Not later than 30 days after the date on which all members of the Commission are required to have

been appointed under subsection (b)(2), the Commission shall hold its initial meeting.

(3) QUORUM.—A majority of the members of the Commission shall constitute a quorum, but a lesser number of members may hold hearings.

(e) SPACE FOR COMMISSION.—Not later than 90 days after the date of the enactment of this Act, the Administrator of General Services, in consultation with the Secretary of Defense, shall identify and make available suitable excess space within the Federal space inventory to house the operations of the Commission. If the Administrator is not able to make such suitable excess space available within such 90-day period, the Commission may lease space to the extent that funds are available for such purpose.

(f) CONTRACTING AUTHORITY.—The Commission may enter into contracts for the acquisition of administrative supplies and equipment for use by the Commission, to the extent that funds are available for such purpose.

(g) PROCUREMENT OF TEMPORARY AND INTERMITTENT SERVICES.—The Chair of the Commission may procure temporary and intermittent services under section 3109(b) of title 5, United States Code, at rates for individuals which do not exceed the daily equivalent of the annual rate of basic pay prescribed for level V of the Executive Schedule under section 5316 of such title.

(h) DUTIES.—

(1) STUDY ON MILITARY AVIATION SAFETY.—The Commission shall undertake a comprehensive study of United States military aviation mishaps that occurred between fiscal years 2013 and 2018 in order—

(A) to assess the rates of military aviation mishaps between fiscal years 2013 and 2018 compared to historic aviation mishap rates;

(B) to make an assessment of the underlying causes contributing to the unexplained physiological effects;

(C) to make an assessment of causes contributing to delays in aviation maintenance and limiting operational availability of aircraft;

(D) to make an assessment of the causes contributing to military aviation mishaps; and

(E) to make recommendations on the modifications, if any, of safety, training, maintenance, personnel, or other policies related to military aviation safety.

(2) REPORT.—Not later than March 1, 2020, the Commission shall submit to the President and the congressional defense committees a report setting forth a detailed statement of the findings and conclusions of the Commission as a result of the study required by paragraph (1), together with the recommendations of the Commission for such legislative and administrative actions as the Commission considers appropriate in light of the results of the study.

(i) POWERS.—

(1) HEARINGS.—The Commission may hold such hearings, sit and act at such times and places, take such testimony, and receive such evidence as the Commission considers advisable to carry out its duties under this subtitle.

(2) INFORMATION FROM DEPARTMENT.—The Commission may secure directly from any element of the Department of Defense such information as the Commission considers necessary to carry out its duties under this subtitle. Upon request of the Chair of the Commission, the head of such element shall furnish such information to the Commission.

(j) PROTECTION OF PRIVILEGED SAFETY INFORMATION.—

(1) REQUEST OF INFORMATION.—The Commission may request privileged safety information from the Department of Defense.

(2) TREATMENT OF INFORMATION.—Any privileged safety information provided to the Commission by the Department of Defense shall be handled by the Commission as though the Commission were a non-Department of Defense Federal Government agency under Enclosure 5, Section 8, of Department of Defense Instruction 6055.07, Mishap Notification, Investigation, Reporting, and Record Keeping.

(3) PROHIBITION ON USE OF INFORMATION IN PUBLIC HEARINGS.—No privileged safety information shall be allowed in any public hearing of the Commission. The Commission may only consider privileged safety information in camera, and no record of the proceedings of the Commission may include privileged safety information.

(4) PROHIBITION ON PUBLICATION.—Any privileged safety information secured by the Commission from the Department of Defense—

(A) may not be published or revealed to anyone outside the Commission;

(B) may not be retained but shall be returned to the originating Department of Defense organization; and

(C) may not be included in any Commission report.

(5) USE OF AGGREGATED DATA.—Aggregated data based on privileged safety information or information that has been completely sanitized in accordance with Department of Defense Instruction 6055.07, such that individual mishaps are not identifiable, may be included in the report produced by the Commission.

(6) DEFINITION OF PRIVILEGED SAFETY INFORMATION.—In this subsection, the term "privileged safety information" has the meaning given it in Department of Defense Instruction 6055.07, dated June 6, 2011.

(k) TERMINATION.—The Commission shall terminate 90 days after the date on which the Commission submits the report required under subsection (h)(2).

(l) AUTHORIZATION OF APPROPRIATIONS.—Of the amounts authorized to be appropriated for fiscal year 2019, as identified in division D of this Act, $5,000,000 shall be available for the National Commission on Aviation Safety.

SEC. 1088. SENSE OF CONGRESS REGARDING THE INTERNATIONAL BORDERS OF THE UNITED STATES.

It is the sense of Congress that—

(1) gaining and maintaining situational awareness and operational control of the international borders of the United States is critical to national security;

(2) the United States Government must devote adequate resources to securing the border, both at, and between, ports of entry, and the agency tasked with that mission, the Department of Homeland Security, should be adequately resourced to conduct such mission; and

(3) the Department of Defense must ensure that when it acts in support of that mission, such as when mobilized by the President to conduct homeland defense activities, or when military facilities are adjacent to an international border of the United States, it has adequate resources, capabilities, and authorities to carry out the mission while maintaining combat readiness.

SEC. 1089. POLICY ON RESPONSE TO JUVENILE-ON-JUVENILE PROBLEMATIC SEXUAL BEHAVIOR COMMITTED ON MILITARY INSTALLATIONS.

(a) POLICY REQUIRED.—The Secretary of Defense shall establish a policy, applicable across the military installations of the Department of Defense (including installations outside the United States), on the response of the Department to allegations of juvenile-on-juvenile problematic sexual behavior on military installations. The policy shall be designed to ensure a consistent, standardized response to such allegations across the Department.

(b) ELEMENTS.—The policy required by this section shall provide for the following:

(1) Any report or other allegation of juvenile-on-juvenile problematic sexual behavior on a military installation that is received by the installation commander, a law enforcement organization, a Family Advocacy Program, a child development center, a military treatment facility, or a Department school operating on the installation or otherwise under Department administration for the installation shall be reviewed by the Family Advocacy Program of the installation.

(2) Personnel of Family Advocacy Programs conducting reviews shall have appropriate training and experience in working with juveniles.

(3) Family Advocacy Programs conducting reviews shall conduct a multi-faceted, multi-disciplinary review and recommend treatment, counseling, or other appropriate interventions for complainants and respondents.

(4) Each review shall be conducted—

(A) with full involvement of appropriate authorities and entities, including parents or legal guardians of the juveniles involved (if practicable); and

(B) to the extent practicable, in a manner that protects the sensitive nature of the incident concerned, using language appropriate to the treatment of juveniles in written policies and communication with families.

(5) The requirement for investigation of a report or other allegation shall not be deemed to terminate or alter any otherwise applicable requirement to report or forward the report or allegation to appropriate Federal, State, or local authorities as possible criminal activity.

(6) There shall be established and maintained a centralized database of information on each incident of problematic sexual

behavior that is reviewed by a Family Advocacy Program under the policy established under this section, with—

(A) the information in such database kept strictly confidential; and

(B) because the information involves alleged conduct by juveniles, additional special precautions taken to ensure the information is available only to persons who require access to the information.

(7) There shall be entered into the database, for each substantiated or unsubstantiated incident of problematic sexual behavior, appropriate information on the incident, including—

(A) a description of the allegation;

(B) whether or not the review is completed;

(C) whether or not the incident was subject to an investigation by a law enforcement organization or entity, and the status and results of such investigation; and

(D) whether or not action was taken in response to the incident, and the nature of the action, if any, so taken.

SEC. 1090. RECOGNITION OF AMERICA'S VETERANS.

(a) AUTHORIZATION OF SUPPORT.—In order to honor American veterans, including American veterans of past wars that the Secretary of Defense determines have not received appropriate recognition, the Secretary may provide such support as the Secretary determines is appropriate for a parade to be carried out in the District of Columbia. In providing support under this subsection, the Secretary may expend funds for the display of small arms and munitions appropriate for customary ceremonial honors and for the participation of military units that perform customary ceremonial duties.

(b) PROHIBITION.—In providing support for a parade as described in subsection (a), the Secretary may not expend funds to provide motorized vehicles, aviation platforms, munitions other than the munitions specifically described in subsection (a), operational military units, or operational military platforms if the Secretary determines that providing such units, platforms, or equipment would undermine the readiness of such units, platforms, or equipment.

SEC. 1091. PROHIBITION OF FUNDS FOR CHINESE LANGUAGE INSTRUCTION PROVIDED BY A CONFUCIUS INSTITUTE.

(a) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense may be obligated or expended for Chinese language instruction provided by a Confucius Institute.

(b) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense may be obligated or expended to support a Chinese language program at an institution of higher education that hosts a Confucius Institute.

(c) WAIVER.—The Under Secretary of Defense for Personnel and Readiness may waive the limitation in subsection (b) with respect to a Chinese language program at a specific institution of higher education if the Under Secretary of Defense for Personnel and Readiness—

(1) certifies to the congressional defense committees that—

(A) Confucius Institute employees and instructors will provide no instruction or educational support to the program;

(B) Confucius Institute employees and instructors will have no authority with regard to the curriculum and activities of the program; and

(C) the institution has made available to the Department of Defense all memoranda of understanding, contracts, and other agreements between the institution and the Confucius Institute, or between the institution and any agency of or organization affiliated with the government of the People's Republic of China; or

(2) certifies to the congressional defense committees that—

(A) the requirements described in subparagraphs (A) and (B) of paragraph (1) have been met; and

(B) the waiver of the limitation in subsection (b) is necessary for national security, and there is no reasonable alternative to issuing the waiver.

(d) DEFINITIONS.—

(1) CHINESE LANGUAGE PROGRAM.—The term "Chinese language program" means any Department of Defense program designed to provide or support Chinese language instruction, including the National Security Education Program, the Language Flagship program, Project Global Officer, and the Language Training Centers program.

(2) CONFUCIUS INSTITUTE.—The term "Confucius Institute" means a Confucius Institute that is operated by the Office of Chinese Languages Council International, also known as Hanban, which is affiliated with the Ministry of Education of the People's Republic of China.

(3) INSTITUTION OF HIGHER EDUCATION.—The term "institution of higher education" has the meaning given the term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001 et seq.).

(e) RULE OF CONSTRUCTION.—The prohibition under subsection (a) and the limitation under subsection (b) shall not apply to an institution of higher education by reason that the institution funds or sponsors an event or activity, regardless of any affiliation of any individual who participates in the event or activity, and nothing shall be construed to prohibit funding for other programs, research or other activities at an institution that hosts a Confucius institute.

SEC. 1092. DEPARTMENT OF DEFENSE ENGAGEMENT WITH CERTAIN NONPROFIT ENTITIES IN SUPPORT OF MISSIONS OF DEPLOYED UNITED STATES PERSONNEL AROUND THE WORLD.

(a) FINDING.—Congress finds that Spirit of America, a privately-funded, nonpartisan, nonprofit organization, acting in partnership with the Department of Defense, has made an important contribution in supporting the missions of deployed United States personnel around the world.

(b) SENSE OF CONGRESS.—It is the sense of Congress that United States military commanders should, consistent with applicable laws, regulations, and guidance developed consistent with section 1088 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1605; 10 U.S.C. 113 note), en-

gage with and provide logistical support to covered non-Federal entities, including Spirit of America, to advance the military missions of the Armed Forces.

(c) REPORT.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, with the concurrence of the Secretary of State, shall submit to the appropriate committees of Congress a report on Department engagement with covered non-Federal entities.

(2) ELEMENTS.—The report required by paragraph (1) shall include the following:

(A) A description of the engagements of the Department with covered non-Federal entities during the 3-year period immediately preceding the date on which the report is submitted.

(B) An evaluation of the implementation of the guidance of the Department applicable to Department engagements with covered non-Federal entities, including any guidance issued pursuant to section 1088 of the National Defense Authorization Act for Fiscal Year 2018.

(C) Recommendations, if any, of the Secretary of Defense and the Secretary of State for improving the capacity and effectiveness of the Department to engage with covered non-Federal entities.

(d) DEFINITIONS.—In this section:

(1) APPROPRIATE COMMITTEES OF CONGRESS.—The term "appropriate committees of Congress" means—

(A) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(B) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

(2) COVERED NON-FEDERAL ENTITY.—The term "covered non-Federal entity" means an organization that—

(A) is based in the United States;

(B) has an independent board of directors and is subject to independent financial audits;

(C) is substantially privately-funded;

(D) is described in section 501(c)(3) of the Internal Revenue Code of 1986 and is exempt from taxation under section 501(a) of such Code; and

(E) provides international assistance.

TITLE XI—CIVILIAN PERSONNEL MATTERS

Sec. 1101. Direct hire authority for the Department of Defense for certain competitive service positions.
Sec. 1102. Modification of direct hire authority for the Department of Defense for post-secondary students and recent graduates.
Sec. 1103. Extension of overtime rate authority for Department of the Navy employees performing work aboard or dockside in support of the nuclear-powered aircraft carrier forward deployed in Japan.
Sec. 1104. One-year extension and expansion of authority to waive annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas.
Sec. 1105. Extension of authority to conduct telework travel expenses test programs.
Sec. 1106. Personnel demonstration projects.
Sec. 1107. Expanded flexibility in selecting candidates from referral lists.

Sec. 1108. Expedited hiring authority for college graduates and post secondary students.
Sec. 1109. Inapplicability of certification of executive qualifications by qualification review boards of Office of Personnel Management for initial appointments to Senior Executive Service positions in Department of Defense.
Sec. 1110. Engagement with Historically Black Colleges and Universities and minority-serving institutions for the purposes of technical workforce enhancement.
Sec. 1111. Inclusion of Strategic Capabilities Office and Defense Innovation Unit Experimental of the Department of Defense in personnel management authority to attract experts in science and engineering.
Sec. 1112. Enhancement of flexible management authorities for science and technology reinvention laboratories of the Department of Defense.
Sec. 1113. Inclusion of Office of Secretary of Defense among components of the Department of Defense covered by direct hire authority for financial management experts.
Sec. 1114. Alcohol testing of civil service mariners of the Military Sealift Command assigned to vessels.
Sec. 1115. One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone.

SEC. 1101. DIRECT HIRE AUTHORITY FOR THE DEPARTMENT OF DEFENSE FOR CERTAIN COMPETITIVE SERVICE POSITIONS.

(a) IN GENERAL.—Chapter 99 of title 5, United States Code, is amended by adding at the end the following:

"§ 9905. Direct hire authority for certain personnel of the Department of Defense

"(a) IN GENERAL.—The Secretary of Defense may appoint, without regard to the provisions of subchapter I of chapter 33 (other than sections 3303 and 3328 of such chapter), qualified candidates to any of the following positions in the competitive service in the Department of Defense:

"(1) Any position involved with Department maintenance activities, including depot-level maintenance and repair.

"(2) Any position involved with cybersecurity.

"(3) Any individual in the acquisition workforce that manages any services contracts necessary to the operation and maintenance of programs of the Department.

"(4) Any science, technology, or engineering position, including any such position at the Major Range and Test Facilities Base, in order to allow development of new systems and provide for the maintenance of legacy systems.

"(b) SUNSET.—Effective on September 30, 2025, the authority provided under subsection (a) shall expire.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 99 of such title is amended by inserting after the item relating to section 9904 the following new item:

"9905. Direct hire authority for certain personnel of the Department of Defense.".

SEC. 1102. MODIFICATION OF DIRECT HIRE AUTHORITY FOR THE DEPARTMENT OF DEFENSE FOR POST-SECONDARY STUDENTS AND RECENT GRADUATES.

Section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is amended—

(1) in subsection (b), by striking "15 percent" and inserting "25 percent"; and

(2) in subsection (d), by striking "September 30, 2021" and inserting "September 30, 2025".

SEC. 1103. EXTENSION OF OVERTIME RATE AUTHORITY FOR DEPARTMENT OF THE NAVY EMPLOYEES PERFORMING WORK ABOARD OR DOCKSIDE IN SUPPORT OF THE NUCLEAR-POWERED AIRCRAFT CARRIER FORWARD DEPLOYED IN JAPAN.

Section 5542(a)(6)(B) of title 5, United States Code, is amended by striking "September 30, 2019" and inserting "September 30, 2021".

SEC. 1104. ONE-YEAR EXTENSION AND EXPANSION OF AUTHORITY TO WAIVE ANNUAL LIMITATION ON PREMIUM PAY AND AGGREGATE LIMITATION ON PAY FOR FEDERAL CIVILIAN EMPLOYEES WORKING OVERSEAS.

(a) IN GENERAL.—Section 1101(a) of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4615), as most recently amended by section 1105 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is amended by striking "through 2018" and inserting "through 2019".

(b) APPLICABILITY OF AGGREGATE LIMITATION ON PAY.—Section 1101(b) of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4615) is amended to read as follows:

"(b) APPLICABILITY OF AGGREGATE LIMITATION ON PAY.—In applying section 5307 of title 5, United States Code, any payment in addition to basic pay for a period of time during which a waiver under subsection (a) is in effect shall not be counted as part of an employee's aggregate compensation for the given calendar year.".

(c) EFFECTIVE DATE.—The amendments made by this section shall take effect on the date of the enactment of this Act.

SEC. 1105. EXTENSION OF AUTHORITY TO CONDUCT TELEWORK TRAVEL EXPENSES TEST PROGRAMS.

(a) IN GENERAL.—Section 5711(g) of title 5, United States Code, is amended by striking "7 years after the date of the enactment of the Telework Enhancement Act of 2010" and inserting "on December 31, 2020".

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect as though enacted on December 1, 2017.

SEC. 1106. PERSONNEL DEMONSTRATION PROJECTS.

Section 4703 of title 5, United States Code, is amended—

(1) in subsection (d), by striking paragraph (2) and inserting the following:

"(2)(A) Except as provided in subparagraph (B), not more than 10 active demonstration projects may be in effect at any time.

"(B) Any demonstration project authorized under this section that is active for a period greater than 10 years shall not count for purposes of applying the limitation in subparagraph (A)."; and

(2) by adding at the end the following:

"(j) Each agency at which a demonstration project authorized by this section is ongoing shall submit an annual report to the Office of Personnel Management, the Office and Management and Budget, the Committee on Homeland Security and Governmental Affairs of the United States Senate, and the Committee on Oversight and Government Reform of the United States House of Representatives that includes—

"(1) the aggregate performance appraisal ratings and compensation costs for employees under a demonstration project;

"(2) an assessment of the results of the demonstration project, including its impact on mission goals, employee recruitment, retention, and satisfaction, and which may include the results of the survey authorized under section 1128 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136; 5 U.S.C. 7101 note), commonly referred to as the Federal Employee Viewpoint Survey, and performance management for employees; and

"(3) a comparison of the items listed in (1) and (2) with employees not covered by the demonstration project.".

SEC. 1107. EXPANDED FLEXIBILITY IN SELECTING CANDIDATES FROM REFERRAL LISTS.

(a) EXPANDED FLEXIBILITY.—Subchapter I of chapter 33 of title 5, United States Code, is amended by striking sections 3317 and 3318 and inserting the following:

"§ 3317. Competitive service; certification using numerical ratings

"(a) CERTIFICATION.—

"(1) IN GENERAL.—The Director of the Office of Personnel Management, or the head of an agency to which the Director has delegated examining authority under section 1104(a)(2), shall certify a sufficient number of names from the top of the appropriate register or list of eligibles, as determined pursuant to regulations prescribed under subsection (c), and provide a certificate with such names to an appointing authority that has requested a certificate of eligibles to consider when filling a job in the competitive service.

"(2) MINIMUM NUMBER OF NAMES CERTIFIED.—Unless otherwise provided for in regulations prescribed under subsection (c), the number of names certified under paragraph (1) shall be not less than three.

"(b) DISCONTINUANCE OF CERTIFICATION.—When an appointing authority, for reasons considered sufficient by the Director or head of an agency, has three times considered and passed over a preference eligible who was certified from a register, the Director or head of any agency may discontinue certifying the preference eligible for appointment. The Director or the head of an agency shall provide to such preference eligible notice of the intent to discontinue certifying such preference eligible prior to the discontinuance of certification.

"(c) REGULATIONS.—The Director shall prescribe regulations for the administration of this section. Such regulations shall include the establishment of mechanisms for identifying the eligibles who will be considered for each vacancy. Such mechanisms may include cut-off scores.

"(d) DEFINITION.—In this section, the term 'Director' means the Director of the Office of Personnel Management.

"§ 3318. Competitive service; selections using numerical ratings

"(a) IN GENERAL.—An appointing authority shall select for appointment from the eligibles certified for appointment on a certifi-

cate furnished under section 3317(a), unless objection to one or more of the individuals certified is made to, and sustained by, the Director of the Office of Personnel Management or the head of an agency to which the Director has delegated examining authority under section 1104(a)(2), for proper and adequate reason under regulations prescribed by the Director.

"(b) OTHER APPOINTING AUTHORITIES.—

"(1) IN GENERAL.—During the 240-day period beginning on the date of issuance of a certificate of eligibles under section 3317(a), an appointing authority other than the appointing authority requesting the certificate (in this subsection referred to as the 'other appointing authority') may select an individual from that certificate in accordance with this subsection for an appointment to a position that is—

"(A) in the same occupational series as the position for which the certification of eligibles was issued (in this subsection referred to as the 'original position'); and

"(B) at a similar grade level as the original position.

"(2) APPLICABILITY.—An appointing authority requesting a certificate of eligibles may share the certificate with another appointing authority only if the announcement of the original position provided notice that the resulting list of eligible candidates may be used by another appointing authority.

"(3) REQUIREMENTS.—The selection of an individual under paragraph (1)—

"(A) shall be made in accordance with subsection (a); and

"(B) subject to paragraph (4), may be made without any additional posting under section 3327.

"(4) INTERNAL NOTICE.—Before selecting an individual under paragraph (1), the other appointing authority shall—

"(A) provide notice of the available position to employees of the other appointing authority;

"(B) provide up to 10 business days for employees of the other appointing authority to apply for the position; and

"(C) review the qualifications of employees submitting an application.

"(c) PASS OVER.—

"(1) IN GENERAL.—Subject to subparagraph (2), if an appointing authority proposes to pass over a preference eligible certified for appointment under subsection (a) and select an individual who is not a preference eligible, the appointing authority shall file written reasons with the Director or the head of the agency for passing over the preference eligible. The Director or the head of the agency shall make the reasons presented by the appointing authority part of the record of the preference eligible and may require the submission of more detailed information from the appointing authority in support of the passing over of the preference eligible. The Director or the head of the agency shall determine the sufficiency or insufficiency of the reasons submitted by the appointing authority, taking into account any response received from the preference eligible under paragraph (2). When the Director or the head of the agency has completed review of the proposed pass-over of the preference eligible, the Director or the head of the agency shall send its findings to the

appointing authority and to the preference eligible. The appointing authority shall comply with the findings.

"(2) PREFERENCE ELIGIBLE INDIVIDUALS WHO HAVE A COMPENSABLE SERVICE-CONNECTED DISABILITY.—In the case of a preference eligible described in section 2108(3)(C) who has a compensable service-connected disability of 30 percent or more, the appointing authority shall notify the Director under paragraph (1) and, at the same time, notify the preference eligible of the proposed pass-over, of the reasons for the proposed pass-over, and of the individual's right to respond to those reasons to the Director within 15 days of the date of the notification. The Director shall, before completing the review under paragraph (1), require a demonstration by the appointing authority that the notification was timely sent to the preference eligible's last known address.

"(3) FURTHER CONSIDERATION NOT REQUIRED.—When a preference eligible, for reasons considered sufficient by the Director, or in the case of a preference eligible described in paragraph (1), by the head of an agency, has been passed over in accordance with this subsection for the same position, the appointing authority is not required to give further consideration to that preference eligible while selecting from the same list for a subsequent appointment to such position.

"(4) DELEGATION PROHIBITION.—In the case of a preference eligible described in paragraph (2), the functions of the Director under this subsection may not be delegated to an individual who is not an officer or employee of the Office of Personnel Management.

"(d) SPECIAL RULE REGARDING REEMPLOYMENT LISTS.—When the names of preference eligibles are on a reemployment list appropriate for the position to be filled, an appointing authority may appoint from a register of eligibles established after examination only an individual who qualifies as a preference eligible under subparagraph (C), (D), (E), (F), or (G) of section 2108(3).

"(e) CONSIDERATION NOT REQUIRED.—In accordance with regulations prescribed by the Director, an appointing officer is not required to consider an eligible who has been considered by the appointing officer for three separate appointments from the same or different certificates for the same position.

"(f) REGULATIONS.—The Director shall prescribe regulations for the administration of this section.

"(d) DEFINITION.—In this section, the term 'Director' means the Director of the Office of Personnel Management.".

(b) CONFORMING AMENDMENTS.—Such subchapter is further amended—

(1) in section 3319—

(A) by amending the section heading to read as follows:

"§ 3319. Competitive service; selection using category rating"; and

(B) in subsection (c), by striking paragraph (6), redesignating paragraph (7) as paragraph (6), and amending paragraph (6) (as so redesignated) to read as follows:

"(6) PREFERENCE ELIGIBLES.—

"(A) SATISFACTION OF CERTAIN REQUIREMENTS.—Notwithstanding paragraphs (1) and (2), an appointing official may not pass over a preference eligible in the same category from which selection is made, unless the requirements of sections 3317(b) and 3318(c), as applicable, are satisfied.

"(B) FURTHER CONSIDERATION NOT REQUIRED.—When a preference eligible, for reasons considered sufficient by the Director, or in the case of a preference eligible described in section 3318(c)(1), by the head of an agency, has been passed over in accordance with section 3318(c) for the same position, the appointing authority is not required to give further consideration to that preference eligible while selecting from the same list for a subsequent appointment to such position.

"(C) LIST OF ELIGIBLES ISSUED FROM A STANDING REGISTER; DISCONTINUATION OF CERTIFICATION.—In the case of lists of eligibles issued from a standing register, when an appointing authority, for reasons considered sufficient by the Director or the head of an agency, has three times considered and passed over a preference eligible who was certified from a register, certification of the preference eligible for appointment may be discontinued. However, the preference eligible is entitled to advance notice of discontinuance of certification in accordance with regulations prescribed by the Director."; and

(2) in the first sentence of section 3320, by striking "sections 3308–3318" and inserting "sections 3308 through 3319".

(c) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by striking the items relating to sections 3317, 3318, and 3319 and inserting the following:

"3317. Competitive service; certification using numerical ratings
"3318. Competitive service; selection using numerical ratings
"3319. Competitive service; selection using category rating".

(d) EFFECTIVE DATE.—

(1) IN GENERAL.—The amendments made by this section shall take effect on the date on which the Director of the Office of Personnel Management issues final regulations to implement sections 3317, 3318, and 3319 of title 5, United States Code, as amended or added by this section.

(2) REGULATIONS REQUIRED.—The Director shall issue regulations under paragraph (1) not later than one year after the date of enactment of this section.

SEC. 1108. EXPEDITED HIRING AUTHORITY FOR COLLEGE GRADUATES AND POST SECONDARY STUDENTS.

(a) IN GENERAL.—Subchapter I of chapter 31 of title 5, United States Code, is amended by adding at the end the following:

"§ 3115. Expedited hiring authority for college graduates; competitive service

"(a) DEFINITIONS.—In this section:

"(1) DIRECTOR.—The term 'Director' means the Director of the Office of Personnel Management.

"(2) INSTITUTION OF HIGHER EDUCATION.—The term 'institution of higher education' has the meaning given the term in

section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)).

"(b) APPOINTMENT.—

"(1) IN GENERAL.—The head of an agency may appoint, without regard to any provision of sections 3309 through 3319 and 3330, a qualified individual to a position in the competitive service classified in a professional or administrative occupational category at the GS–11 level, or an equivalent level, or below.

"(2) RESTRICTIONS.—An appointment under paragraph (1) shall be made in accordance with regulations prescribed by the Director.

"(c) QUALIFICATIONS FOR APPOINTMENT.—The head of an agency may make an appointment under subsection (b) only if the individual being appointed—

"(1) has received a baccalaureate or graduate degree from an institution of higher education;

"(2) applies for the position—

"(A) not later than 2 years after the date on which the individual being appointed received the degree described in paragraph (1); or

"(B) in the case of an individual who has completed a period of not less than 4 years of obligated service in a uniformed service, not later than 2 years after the date of the discharge or release of the individual from that service; and

"(3) meets each minimum qualification standard prescribed by the Director for the position to which the individual is being appointed.

"(d) PUBLIC NOTICE AND ADVERTISING.—

"(1) IN GENERAL.—The head of an agency making an appointment under subsection (b) shall publicly advertise positions under this section.

"(2) REQUIREMENTS.—In carrying out paragraph (1), the head of an agency shall—

"(A) adhere to merit system principles;

"(B) advertise positions in a manner that provides for diverse and qualified applicants; and

"(C) ensure potential applicants have appropriate information relevant to the positions available.

"(e) LIMITATION ON APPOINTMENTS.—

"(1) IN GENERAL.—Except as provided in paragraph (2), the total number of employees that the head of an agency may appoint under this section during a fiscal year may not exceed the number equal to 15 percent of the number of individuals that the agency head appointed during the previous fiscal year to a position in the competitive service classified in a professional or administrative occupational category, at the GS–11 level, or an equivalent level, or below, under a competitive examining procedure.

"(2) EXCEPTIONS.—Under a regulation prescribed under subsection (f), the Director may establish a lower limit on the number of individuals that may be appointed under paragraph (1) of this subsection during a fiscal year based on any factor the Director considers appropriate.

"(f) REGULATIONS.—Not later than 180 days after the date of enactment of this section, the Director shall issue interim regulations, with an opportunity for comment, for the administration of this section.

"(g) REPORTING.—

"(1) IN GENERAL.—Not later than September 30 of each of the first 3 fiscal years beginning after the date of enactment of this section, the head of an agency that makes an appointment under this section shall submit a report to—

"(A) Congress that assesses the impact of the use of the authority provided under this section during the fiscal year in which the report is submitted; and

"(B) the Director that contains data that the Director considers necessary for the Director to assess the impact and effectiveness of the authority described in subparagraph (A).

"(2) CONTENT.—The head of an agency shall include in each report under paragraph (1)—

"(A) the total number of individuals appointed by the agency under this section, as well as the number of such individuals who are—

"(i) minorities or members of other underrepresented groups; or

"(ii) veterans;

"(B) recruitment sources;

"(C) the total number of individuals appointed by the agency during the applicable fiscal year to a position in the competitive service classified in a professional or administrative occupational category at the GS–11 level, or an equivalent level, or below; and

"(D) any additional data specified by the Director.

"(h) SPECIAL PROVISION REGARDING THE DEPARTMENT OF DEFENSE.—

"(1) AUTHORITY.—Nothing in this section shall preclude the Secretary of Defense from exercising any authority to appoint a recent graduate under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute.

"(2) REGULATIONS.—Any regulations prescribed by the Director for the administration of this section shall not apply to the Department of Defense during the period ending on the date on which the appointment authority of the Secretary of Defense under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute, terminates.

"§ 3116. Expedited hiring authority for post-secondary students; competitive service

"(a) DEFINITIONS.—In this section:

"(1) DIRECTOR.—The term 'Director' means the Director of the Office of Personnel Management.

"(2) INSTITUTION OF HIGHER EDUCATION.—The term 'institution of higher education' has the meaning given the term in section 101(a) of the Higher Education Act of 1965 (20 U.S.C. 1001(a)).

"(3) STUDENT.—The term 'student' means an individual enrolled or accepted for enrollment in an institution of higher education who is pursuing a baccalaureate or graduate degree on at least a part-time basis as determined by the institution of higher education.

"(b) APPOINTMENT.—

"(1) IN GENERAL.—The head of an agency may make a time-limited appointment of a student, without regard to any provision of sections 3309 through 3319 and 3330, to a position in the competitive service at the GS–11 level, or an equivalent level, or below for which the student is qualified.

"(2) RESTRICTIONS.—An appointment under paragraph (1) shall be made in accordance with regulations prescribed by the Director.

"(c) PUBLIC NOTICE.—

"(1) IN GENERAL.—The head of an agency making an appointment under subsection (b) shall publicly advertise positions available under this section.

"(2) REQUIREMENTS.—In carrying out paragraph (1), the head of an agency shall—

"(A) adhere to merit system principles;

"(B) advertise positions in a manner that provides for diverse and qualified applicants; and

"(C) ensure potential applicants have appropriate information relevant to the positions available.

"(d) LIMITATION ON APPOINTMENTS.—

"(1) IN GENERAL.—Except as provided in paragraph (2), the total number of students that the head of an agency may appoint under this section during a fiscal year may not exceed the number equal to 15 percent of the number of students that the agency head appointed during the previous fiscal year to a position in the competitive service at the GS–11 level, or an equivalent level, or below.

"(2) EXCEPTIONS.—Under a regulation prescribed under subsection (g), the Director may establish a lower limit on the number of students that may be appointed under paragraph (1) of this subsection during a fiscal year based on any factor the Director considers appropriate.

"(e) CONVERSION.—The head of an agency may, without regard to any provision of chapter 33 or any other provision of law relating to the examination, certification, and appointment of individuals in the competitive service, convert a student serving in an appointment under subsection (b) to a permanent appointment in the competitive service within the agency without further competition if the student—

"(1) has completed the course of study leading to the baccalaureate or graduate degree;

"(2) has completed not less than 640 hours of current continuous employment in an appointment under subsection (b); and

"(3) meets the qualification standards for the position to which the student will be converted.

"(f) TERMINATION.—The head of an agency shall, without regard to any provision of chapter 35 or 75, terminate the appointment of a student appointed under subsection (b) upon completion

of the designated academic course of study unless the student is selected for conversion under subsection (e).

"(g) REGULATIONS.—Not later than 180 days after the date of enactment of this section, the Director shall issue interim regulations, with an opportunity for comment, for the administration of this section.

"(h) REPORTING.—

"(1) IN GENERAL.—Not later than September 30 of each of the first 3 fiscal years beginning after the date of enactment of this section, the head of an agency that makes an appointment under this section shall submit a report to—

"(A) Congress that assesses the impact of the use of the authority provided under this section during the fiscal year in which the report is submitted; and

"(B) the Director that contains data that the Director considers necessary for the Director to assess the impact and effectiveness of the authority described in subparagraph (A).

"(2) CONTENT.—The head of an agency shall include in each report under paragraph (1)—

"(A) the total number of individuals appointed by the agency under this section, as well as the number of such individuals who are—

"(i) minorities or members of other underrepresented groups; or

"(ii) veterans;

"(B) recruitment sources;

"(C) the total number of individuals appointed by the agency during the applicable fiscal year to a position in the competitive service at the GS–11 level, or an equivalent level, or below; and

"(D) any additional data specified by the Director.

"(i) SPECIAL PROVISION REGARDING THE DEPARTMENT OF DEFENSE.—

"(1) AUTHORITY.—Nothing in this section shall preclude the Secretary of Defense from exercising any authority to appoint a post-secondary student under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute.

"(2) REGULATIONS.—Any regulations prescribed by the Director for the administration of this section shall not apply to the Department of Defense during the period ending on the date on which the appointment authority of the Secretary of Defense under section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. note prec. 1580), or any applicable successor statute, terminates.".

(b) TABLE OF SECTIONS AMENDMENT.—The table of sections for subchapter I of chapter 31 of title 5, United States Code, is amended by adding at the end the following:

"3115. Expedited hiring authority for college graduates; competitive service
"3116. Expedited hiring authority for post-secondary students; competitive service".

SEC. 1109. INAPPLICABILITY OF CERTIFICATION OF EXECUTIVE QUALIFICATIONS BY QUALIFICATION REVIEW BOARDS OF OFFICE OF PERSONNEL MANAGEMENT FOR INITIAL APPOINTMENTS TO SENIOR EXECUTIVE SERVICE POSITIONS IN DEPARTMENT OF DEFENSE.

(a) TEMPORARY INAPPLICABILITY.—Notwithstanding section 3393(c) of title 5, United States Code, or any regulations implementing that section, and subject to the provisions of this section, the Secretary of Defense may appoint individuals for service in the Senior Executive Service of the Department of Defense without such individuals being subject to the certification of executive qualifications by a qualification review board of the Office of Personnel Management in connection with such appointment otherwise required by that section.

(b) QUALIFICATIONS OF INDIVIDUALS APPOINTED.—The Secretary shall ensure that individuals appointed under this section possess the necessary qualifications and experience for the position to which appointed.

(c) LIMITATION.—The total number of appointments made under this section in any year may not exceed 50 appointments.

(d) REPORTS.—

(1) INITIAL REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the committees of Congress and official specified in paragraph (3) a report on the number and type of appointments made under this section as of the date of the report, including—

(A) a description of the qualifications of the individuals appointed; and

(B) data on the time required to appoint the individuals.

(2) FINAL REPORT.—Not later than two years after the date of the enactment of this Act, the Secretary shall submit to the committees of Congress and official specified in paragraph (3) a report on the use of the authority in this section. The report shall include the following:

(A) The number and type of appointments made under this section during the one-year period ending on the date of the report.

(B) Data on and an assessment whether appointments under the authority in this section reduced the time to hire when compared with the time to hire under the current review system of the Office of Personnel Management.

(C) An assessment of the utility of the appointment authority and process under this section.

(D) An assessment whether the appointments made under this section resulted in higher quality new executives for the Senior Executive Service of the Department when compared with the executives produced under the current review system of the Office of Personnel Management.

(E) Any recommendation for the improvement of the selection and qualification process for the Senior Executive Service of the Department that the Secretary considers necessary in order to attract and hire highly qualified candidates for service in that Senior Executive Service.

(3) COMMITTEES OF CONGRESS AND OFFICIAL.—The committees of Congress and official specified in this paragraph are—

(A) the Committee on Armed Services and the Committee on Homeland Security and Governmental Affairs of the Senate;

(B) the Committee on Armed Services and the Committee on Oversight and Government Reform of the House of Representatives; and

(C) the Director of the Office of Personnel Management.

(e) SUNSET.—Subsection (a) shall cease to be effective on the date that is two years after the date of the enactment of this Act.

SEC. 1110. ENGAGEMENT WITH HISTORICALLY BLACK COLLEGES AND UNIVERSITIES AND MINORITY-SERVING INSTITUTIONS FOR THE PURPOSES OF TECHNICAL WORKFORCE ENHANCEMENT.

(a) REPORT.—The Secretary of Defense shall develop and submit a report to the congressional defense committees detailing activities to increase engagement with covered educational institutions (as that term is defined in section 2362(e) of title 10, United States Code) for the purpose of increasing the number of graduates of such institutions to accept positions in Department of Defense Science, Technology, Engineering, and Mathematics-related positions important to the national security functions of the Department.

(b) DEVELOPMENT.—The report required under subsection (a) shall be developed jointly by the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Personnel and Readiness, in consultation with all appropriate officials in the Department and relevant interagency, academic, and private sector entities.

(c) CONTENTS.—The report required under subsection (a) shall identify—

(1) metrics to assess engagement with covered educational institution students, including scholarships, fellowships, internships and co-ops, and specific steps to improve performance relative to those metrics;

(2) specific outreach activities to better engage covered educational institution students on Department of Defense Science, Technology, Engineering, and Mathematics employment opportunities; and

(3) metrics on hiring of covered educational institution graduates in Science, Technology, Engineering, and Mathematics-related positions and plans to increase such hiring.

(d) CONSIDERATIONS.—In developing the report required under subsection (a), the Secretary of Defense shall assess the use of the authorities provided under section 2358a of title 10, United States Code, in engagements with covered educational institutions.

SEC. 1111. INCLUSION OF STRATEGIC CAPABILITIES OFFICE AND DEFENSE INNOVATION UNIT EXPERIMENTAL OF THE DEPARTMENT OF DEFENSE IN PERSONNEL MANAGEMENT AUTHORITY TO ATTRACT EXPERTS IN SCIENCE AND ENGINEERING.

(a) IN GENERAL.—Subsection (a) of section 1599h of title 10, United States Code, is amended by adding at the end the following new paragraphs:

"(4) STRATEGIC CAPABILITIES OFFICE.—The Director of the Strategic Capabilities Office may carry out a program of personnel management authority provided in subsection (b) in

order to facilitate recruitment of eminent experts in science or engineering for the Office.

"(5) DIUX.—The Director of the Defense Innovation Unit Experimental may carry out a program of personnel management authority provided in subsection (b) in order to facilitate recruitment of eminent experts in science or engineering for the Unit.".

(b) SCOPE OF APPOINTMENT AUTHORITY.—Subsection (b)(1) of such section is amended—

(1) in subparagraph (B), by striking "and" at the end; and

(2) by adding at the end the following new subparagraphs:

"(D) in the case of the Strategic Capabilities Office, appoint scientists and engineers to a total of not more than 5 scientific and engineering positions in the Office; and

"(E) in the case of the Defense Innovation Unit Experimental, appoint scientists and engineers to a total of not more than 5 scientific and engineering positions in the Unit;".

(c) EXTENSION OF TERMS OF APPOINTMENT.—Subsection (c)(2) of such section is amended by striking "or the Office of Operational Test and Evaluation" and inserting "the Office of Operational Test and Evaluation, the Strategic Capabilities Office, or the Defense Innovation Unit Experimental".

SEC. 1112. ENHANCEMENT OF FLEXIBLE MANAGEMENT AUTHORITIES FOR SCIENCE AND TECHNOLOGY REINVENTION LABORATORIES OF THE DEPARTMENT OF DEFENSE.

(a) ENHANCEMENT OF NONCOMPETITIVE CONVERSIONS OF APPOINTMENTS OF STUDENTS ENROLLED IN SCIENTIFIC AND ENGINEERING PROGRAMS.—Section 2358a(a)(4) of title 10, United States Code, is amended—

(1) in the paragraph heading, by striking "TO PERMANENT APPOINTMENT" and inserting "OF APPOINTMENTS"; and

(2) by striking "to a permanent appointment" and inserting "to another temporary appointment or to a term or permanent appointment".

(b) ENHANCEMENT OF PILOT PROGRAM ON DYNAMIC SHAPING OF WORKFORCE TECHNICAL SKILLS AND EXPERTISE.—Section 1109(b)(1)(A) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1028; 10 U.S.C. 2358 note) is amended by striking "to appoint" and all that follows and inserting "to make appointments as follows:

"(i) Appointment of qualified scientific and technical personnel who are not current Department of Defense civilian employees into any scientific or technical position in the laboratory for a period of more than one year but not more than six years.

"(ii) Appointment of qualified scientific and technical personnel who are Department civilian employees in term appointments into any scientific or technical position in the laboratory for a period of more than one year but not more than six years.".

SEC. 1113. INCLUSION OF OFFICE OF SECRETARY OF DEFENSE AMONG COMPONENTS OF THE DEPARTMENT OF DEFENSE COVERED BY DIRECT HIRE AUTHORITY FOR FINANCIAL MANAGEMENT EXPERTS.

Section 1110(f) of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 1580 note prec.) is amended—

(1) by redesignating paragraphs (1) through (9) as paragraphs (2) through (10), respectively; and

(2) by inserting before paragraph (2) the following new paragraph (1):

"(1) The Office of the Secretary of Defense.".

SEC. 1114. ALCOHOL TESTING OF CIVIL SERVICE MARINERS OF THE MILITARY SEALIFT COMMAND ASSIGNED TO VESSELS.

(a) ALCOHOL TESTING.—Chapter 643 of title 10, United States Code, is amended by inserting after section 7479 the following new section:

"§ 7479a. Civil service mariners of military sealift command: alcohol testing

"The Secretary of the Navy may prescribe regulations establishing a program to conduct on-duty reasonable suspicion alcohol testing and post-accident alcohol testing of civil service mariners of the Military Sealift Command who are assigned to vessels.".

(b) RELEASE OF ALCOHOL TEST RESULTS.—

(1) IN GENERAL.—Section 7479 of such title is amended—

(A) in the heading of subsection (a), by inserting "Or Alcohol" after "Drug"; and

(B) by inserting "or alcohol" after "drug" each place it appears.

(2) HEADING AMENDMENT.—The heading of such section is amended to read as follows:

"§ 7479. Civil service mariners of military sealift command: release of drug and alcohol test results to coast guard".

(c) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of chapter 643 of such title is amended by striking the item relating to section 7479 and inserting the following new items:

"7479. Civil service mariners of Military Sealift Command: release of drug and alcohol test results to Coast Guard

"7479a. Civil service mariners of Military Sealift Command: alcohol testing".

SEC. 1115. ONE-YEAR EXTENSION OF TEMPORARY AUTHORITY TO GRANT ALLOWANCES, BENEFITS, AND GRATUITIES TO CIVILIAN PERSONNEL ON OFFICIAL DUTY IN A COMBAT ZONE.

Paragraph (2) of section 1603(a) of the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Hurricane Recovery, 2006 (Public Law 109–234; 120 Stat. 443), as added by section 1102 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4616) and most recently amended by section 1108 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended by striking "2019" and inserting "2020".

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

Subtitle A—Assistance and Training

Sec. 1201. Modification of authority to build the capacity of foreign security forces.
Sec. 1202. Clarification of authority for use of advisors and trainers for training of personnel of foreign ministries with security missions under defense institution capacity building authorities.
Sec. 1203. Increase in cost limitation and additional notification required for small scale construction related to security cooperation.
Sec. 1204. Technical corrections relating to defense security cooperation statutory reorganization.
Sec. 1205. Review and report on processes and procedures used to carry out section 362 of title 10, United States Code.
Sec. 1206. Report on the use of security cooperation authorities.
Sec. 1207. Participation in and support of the Inter-American Defense College.
Sec. 1208. Naval Small Craft Instruction and Technical Training School.
Sec. 1209. Expansion of Regional Defense Combating Terrorism Fellowship Program to include irregular warfare.
Sec. 1210. Modification to Department of Defense State Partnership Program.
Sec. 1211. Assessment, monitoring, and evaluation of security cooperation.
Sec. 1212. Legal and policy review of advise, assist, and accompany missions.
Sec. 1213. Extension and modification of authority to support border security operations of certain foreign countries.
Sec. 1214. Framework for obtaining concurrence for participation in activities of regional centers for security studies.

Subtitle B—Matters Relating to Afghanistan and Pakistan

Sec. 1221. Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan.
Sec. 1222. Extension and modification of reporting requirements for special immigrant visas for Afghan allies program.
Sec. 1223. Afghanistan Security Forces Fund.
Sec. 1224. Extension and modification of Commanders' Emergency Response Program.
Sec. 1225. Extension and modification of authority for reimbursement of certain coalition nations for support provided to United States military operations.

Subtitle C—Matters Relating to Syria, Iraq, and Iran

Sec. 1231. Extension and modification of authority to provide assistance to the vetted Syrian opposition.
Sec. 1232. Syrian war crimes accountability.
Sec. 1233. Extension of authority to provide assistance to counter the Islamic State of Iraq and Syria.
Sec. 1234. Limitation on assistance to the Government of Iraq.
Sec. 1235. Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq.
Sec. 1236. Modification of annual report on military power of Iran.
Sec. 1237. Strategy to counter destabilizing activities of Iran.

Subtitle D—Matters Relating to the Russian Federation

Sec. 1241. Prohibition on availability of funds relating to sovereignty of the Russian Federation over Crimea.
Sec. 1242. Limitation on availability of funds relating to implementation of the Open Skies Treaty.
Sec. 1243. Determination required regarding material breach of INF Treaty by the Russian Federation.
Sec. 1244. Comprehensive response to the Russian Federation's material breach of the INF Treaty.
Sec. 1245. Report on implementation of the New START Treaty.
Sec. 1246. Modification and extension of Ukraine Security Assistance Initiative.
Sec. 1247. Extension of limitation on military cooperation between the United States and the Russian Federation.
Sec. 1248. Sense of Congress on enhancing deterrence against Russian aggression in Europe.

Subtitle E—Matters Relating to the Indo-Pacific Region

Sec. 1251. Name of United States Indo-Pacific Command.

Sec. 1252. Redesignation, expansion, and extension of Southeast Asia Maritime Security Initiative.
Sec. 1253. Redesignation and modification of sense of Congress and initiative for the Indo-Asia-Pacific region.
Sec. 1254. Assessment of and report on geopolitical conditions in the Indo-Pacific region.
Sec. 1255. Sense of Congress on extended nuclear deterrence in the Indo-Pacific region.
Sec. 1256. Reinstatement of reporting requirements with respect to United States-Hong Kong relations.
Sec. 1257. Strengthening Taiwan's force readiness.
Sec. 1258. Sense of Congress on Taiwan.
Sec. 1259. Prohibition on participation of the People's Republic of China in Rim of the Pacific (RIMPAC) naval exercises.
Sec. 1260. Modification of annual report on military and security developments involving the People's Republic of China.
Sec. 1261. United States strategy on China.
Sec. 1262. Report on military and coercive activities of the People's Republic of China in South China Sea.
Sec. 1263. Requirement for critical languages and expertise in Chinese, Korean, Russian, Farsi, and Arabic.
Sec. 1264. Limitation on use of funds to reduce the total number of members of the Armed Forces serving on active duty who are deployed to the Republic of Korea.
Sec. 1265. Reports on nuclear capabilities of the Democratic People's Republic of Korea.
Sec. 1266. Modification of report required under enhancing defense and security cooperation with India.

Subtitle F—Reports and Other Matters

Sec. 1271. Modification of authorities relating to acquisition and cross-servicing agreements.
Sec. 1272. United States-Israel countering unmanned aerial systems cooperation.
Sec. 1273. Enhancement of U.S.-Israel defense cooperation.
Sec. 1274. Review to determine whether the Armed Forces or coalition partners of the United States violated Federal law or Department of Defense policy while conducting operations in Yemen.
Sec. 1275. Report on United States Government security cooperation and assistance programs with Mexico.
Sec. 1276. Report on Department of Defense missions, operations, and activities in Niger.
Sec. 1277. Report on the security relationship between the United States and the Republic of Cyprus.
Sec. 1278. Sense of Congress on detention of United States citizens by the Government of the Republic of Turkey.
Sec. 1279. Technical amendments related to NATO Support and Procurement Organization and related NATO agreements.
Sec. 1280. Report on permanent stationing of United States forces in the Republic of Poland.
Sec. 1281. Report on strengthening NATO cyber defense.
Sec. 1282. Report on status of the United States relationship with the Republic of Turkey.
Sec. 1283. Sense of the Congress concerning military-to-military dialogues.
Sec. 1284. Modifications to Global Engagement Center.
Sec. 1285. Sense of Congress on countering hybrid threats and malign influence.
Sec. 1286. Initiative to support protection of national security academic researchers from undue influence and other security threats.
Sec. 1287. Report on Honduras, Guatemala, and El Salvador.
Sec. 1288. Modification of freedom of navigation reporting requirements.
Sec. 1289. Coordination of efforts to negotiate free trade agreements with certain sub-Saharan African countries.
Sec. 1290. Certifications regarding actions by Saudi Arabia and the United Arab Emirates in Yemen.
Sec. 1291. Treatment of Rwandan Patriotic Front and Rwandan Patriotic Army under Immigration and Nationality Act.
Sec. 1292. Limitation on availability of funds to implement the Arms Trade Treaty.
Sec. 1293. Prohibition on provision of weapons and other forms of support to certain organizations.

Sec. 1294. Modified waiver authority for certain sanctionable transactions under section 231 of the Countering America's Adversaries Through Sanctions Act.
Sec. 1295. Rule of construction relating to the use of force.

Subtitle A—Assistance and Training

SEC. 1201. MODIFICATION OF AUTHORITY TO BUILD THE CAPACITY OF FOREIGN SECURITY FORCES.

Section 333(b)(2) of title 10, United States Code, is amended by adding at the end the following new sentence: "In developing and planning a program to build the capacity of the national security forces of a foreign country under subsection (a), the Secretary of Defense and Secretary of State should jointly consider political, social, economic, diplomatic, and historical factors, if any, of the foreign country that may impact the effectiveness of the program.".

SEC. 1202. CLARIFICATION OF AUTHORITY FOR USE OF ADVISORS AND TRAINERS FOR TRAINING OF PERSONNEL OF FOREIGN MINISTRIES WITH SECURITY MISSIONS UNDER DEFENSE INSTITUTION CAPACITY BUILDING AUTHORITIES.

Section 332(b) of title 10, United States Code, is amended—

(1) in paragraph (1), by striking "assign civilian employees of the Department of Defense and members of the armed forces as advisors or trainers" and inserting "provide advisors or trainers"; and

(2) in paragraph (2)(B)—

(A) by striking "assigned" each place it appears (other than the last place) and inserting "provided";

(B) by striking "assigned advisor or trainer" and inserting "advisor or trainer so provided"; and

(C) by striking "each assignment" and inserting "each provision of such an advisor or trainer".

SEC. 1203. INCREASE IN COST LIMITATION AND ADDITIONAL NOTIFICATION REQUIRED FOR SMALL SCALE CONSTRUCTION RELATED TO SECURITY COOPERATION.

(a) AMENDMENTS TO DEFINITION OF SMALL-SCALE CONSTRUCTION.—Section 301(8) of title 10, United States Code, is amended by striking "$750,000" and inserting "$1,500,000".

(b) ADDITIONAL NOTIFICATION REQUIRED FOR CERTAIN AUTHORIZED SUPPORT TYPES.—Section 331(c)(5) of such title is amended by adding at the end the following new sentence: "In the case of support provided under this paragraph that results in the provision of small-scale construction above $750,000, the notification pursuant to subsection (b)(2) shall include the location, project title, and cost of each such small-scale construction project that will be carried out, a Department of Defense Form 1391 for each such project, and a masterplan of planned infrastructure investments at the location."

(c) ADDITIONAL NOTIFICATION REQUIRED FOR CERTAIN AUTHORIZED ACTIVITIES TO BUILD CAPACITY.—Section 333 of such title is amended—

(1) in subsection (c)(1), by inserting "supporting security cooperation programs under this section" after "small-scale construction"; and

(2) in subsection (e), by adding at the end the following:

"(8) In the case of activities under a program that results in the provision of small-scale construction above $750,000, the location, project title, and cost of each small-scale construction

project that will be carried out, a Department of Defense Form 1391 for each such project, and a masterplan of planned infrastructure investments at the location over the next 5 years.".

SEC. 1204. TECHNICAL CORRECTIONS RELATING TO DEFENSE SECURITY COOPERATION STATUTORY REORGANIZATION.

(a) CHAPTER REFERENCES.—The following provisions of law are amended by striking "chapter 15" and inserting "chapter 13":

(1) Section 886(a)(5) of the Homeland Security Act of 2002 (6 U.S.C. 466(a)(5)).

(2) Section 332(a)(1) of the Consolidated Farm and Rural Development Act (7 U.S.C. 1982(a)(1)).

(3) Section 101(a)(13)(B) of title 10, United States Code.

(4) Section 115(i)(6) of title 10, United States Code.

(5) Section 12304(c)(1) of title 10, United States Code.

(6) Section 484C(c)(3)(C)(v)) of the Higher Education Act of 1965 (20 U.S.C. 1091c(c)(3)(C)(v)).

(b) SECTION REFERENCES.—(1) Title 10, United States Code, is amended—

(A) in section 386(c)(1), by striking "Sections 311, 321, 331, 332, 333," and inserting "Sections 246, 251, 252, 253, 321,"; and

(B) in section 10541(b)(9) in the matter preceding subparagraph (A), by striking "sections 331, 332, 333," and inserting "sections 251, 252, 253,".

(2) Section 484C(c)(3)(C)(i)) of the Higher Education Act of 1965 (20 U.S.C. 1091c(c)(3)(C)(i)) is amended by striking "section 331, 332," and inserting "section 251, 252,".

(c) OTHER TECHNICAL CORRECTIONS.—(1) Chapter 16 of title 10, United States Code, is amended—

(A) in section 311(a)(3), by striking "Secretary to State" and inserting "Secretary of State";

(B) in section 321(e), by striking "calender" each place it appears and inserting "calendar";

(C) in the table of sections at the beginning of subchapter V of such chapter, by striking the item relating to section 342 and inserting the following:

"342. Regional Centers for Security Studies.";

(D) in section 347—

(i) in the heading of subsection (a)(7), by striking "ETC." and inserting "ETC"; and

(ii) in the heading of subsection (b)(3)(B), by striking "ETC." and inserting "ETC"; and

(E) in section 385(d)(1)(B), by striking "include" and inserting "including".

(2) Section 1204(b) of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 10 U.S.C. 362 note) is amended—

(A) in paragraph (1), by striking "section 2249e" each place it appears and inserting "section 362"; and

(B) in paragraph (3), by striking "subsection (f) of section 2249e of title 10, United States Code (as so added)" and inserting "section 301(1) of title 10, United States Code".

SEC. 1205. REVIEW AND REPORT ON PROCESSES AND PROCEDURES USED TO CARRY OUT SECTION 362 OF TITLE 10, UNITED STATES CODE.

(a) REVIEW.—The Secretary of Defense, with the concurrence of the Secretary of State, shall conduct a review of the processes and procedures used to carry out section 362 of title 10, United States Code.

(b) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, with the concurrence of the Secretary of State, shall submit to the appropriate congressional committees a report that contains a summary and evaluation of the review required by subsection (a).

(2) MATTERS TO BE INCLUDED.—The report required by this subsection shall include the following:

(A) A description of the procedures used to obtain and verify information regarding the vetting of partner units for gross violation of human rights required under section 362 of title 10, United States Code, and to share such information with the Department of State.

(B) A description of the procedures used to conduct remediation of units determined or alleged to have committed gross violation of human rights, including a list of each unit completing such remediation since December 19, 2014.

(C) An assessment of the procedures and associated timelines to implement the requirements of such section 362 on the Department of Defense's ability to comply with such section 362 and achieve national security goals.

(D) A description of the processes and procedures used to implement section 1206 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3538), including the process of obtaining the concurrence of the Secretary of State as required under subsection (c)(1) of such section.

(E) Recommendations to revise authorities to improve the processes and procedures related to the vetting of foreign partner units for gross violations of human rights.

(F) Any other matters the Secretary considers appropriate.

(3) FORM.—The report required by this subsection shall be submitted in unclassified form but may include a classified annex.

(4) DEFINITION.—In this subsection, the term "appropriate congressional committees" means—

(A) the congressional defense committees; and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

(c) AMENDMENT TO EXISTING LAW.—Subsection (b)(3) of section 1206 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 10 U.S.C. 2282 note) is amended by striking "subsection (b) of section 2249e of title 10, United States Code (as added by section 1204(a) of this Act)" and inserting "section 362(b) of title 10, United States Code".

SEC. 1206. REPORT ON THE USE OF SECURITY COOPERATION AUTHORITIES.

(a) SENSE OF CONGRESS.—It is the sense of Congress that the Secretary of Defense should utilize appropriate security cooperation authorities to counter malign influence campaigns by strategic competitors and other state actors that are directed at allied and partner countries and that pose a significant threat to the national security of the United States.

(b) REPORT ON FUNDING.—The Secretary of Defense shall include with the consolidated budget materials submitted to Congress as required by section 381 of title 10, United States Code, for fiscal years 2020 and 2021 a report on the use of security cooperation funding to counter malign influence campaigns by strategic competitors and other state actors directed at allied and partner countries and posing a significant threat to the national security of the United States.

SEC. 1207. PARTICIPATION IN AND SUPPORT OF THE INTER-AMERICAN DEFENSE COLLEGE.

(a) IN GENERAL.—Subchapter V of chapter 16 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 351. Inter-American Defense College

"(a) AUTHORITY TO SUPPORT.—The Secretary of Defense may authorize members of the armed forces and civilian personnel of the Department of Defense to participate in the operation of and the provision of support to the Inter-American Defense College and provide logistic support, supplies, and services to the Inter-American Defense College, including the use of Department of Defense facilities and equipment, as the Secretary considers necessary to—

"(1) assist the Inter-American Defense College in its mission to develop and offer to military officers and civilian officials from member states of the Organization of American States advanced academic courses on matters related to military and defense issues, the inter-American system, and related disciplines; and

"(2) ensure that the Inter-American Defense College provides an academic program of a level of quality, rigor, and credibility that is commensurate with the standards of Department of Defense senior service colleges and that includes the promotion of security cooperation, human rights, humanitarian assistance and disaster response, peacekeeping, and democracy in the Western Hemisphere.

"(b) MEMORANDUM OF UNDERSTANDING.—(1) The Secretary of Defense, with the concurrence of the Secretary of State, shall enter into a memorandum of understanding with the Inter-American Defense Board for the participation of members of the armed forces and civilian personnel of the Department of Defense in the operation of and provision of host nation support to the Inter-American Defense College under subsection (a).

"(2) If Department of Defense facilities, equipment, or funds will be used to support the Inter-American Defense College under subsection (a), a memorandum of understanding entered into under paragraph (1) shall include a description of any

cost-sharing arrangement or other funding arrangement relating to the use of such facilities, equipment, or funds.

"(3) A memorandum of understanding entered into under paragraph (1) shall also include a curriculum and a plan for academic program development.

"(c) USE OF FUNDS.—(1) Funds appropriated to the Department of Defense for operation and maintenance may be used to pay costs that the Secretary determines are necessary for the participation of members of the armed forces and civilian personnel of the Department of Defense in the operation of and provision of host nation support to the Inter-American Defense College, including—

"(A) the costs of expenses of such participants;

"(B) the cost of hiring and retaining qualified professors, instructors, and lecturers;

"(C) curriculum support costs, including administrative costs, academic outreach, and curriculum support personnel;

"(D) the cost of translation and interpretation services;

"(E) the cost of information and educational technology;

"(F) the cost of utilities; and

"(G) the cost of maintenance and repair of facilities.

"(2) No funds may be used under this section to provide for the pay of members of the armed forces or civilian personnel of the Department of Defense who participate in the operation of and the provision of host nation support to the Inter-American Defense College under this section.

"(3) Funds available to carry out this section for a fiscal year may be used for activities that begin in such fiscal year and end in the next fiscal year.

"(d) WAIVER OF REIMBURSEMENT.—The Secretary of Defense may waive reimbursement for developing countries (as such term is defined in section 301 of this title) of the costs of funding and other host nation support provided to the Inter-American Defense College under this section if the Secretary determines that the provision of such funding or support without reimbursement is in the national security interest of the United States.

"(e) LOGISTIC SUPPORT, SUPPLIES, AND SERVICES DEFINED.—In this section, the term 'logistic support, supplies, and services' has the meaning given that term in section 2350 of this title.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter V of chapter 16 of such title is amended by adding at the end the following new item:

"Sec. 351. Inter-American Defense College.".

SEC. 1208. NAVAL SMALL CRAFT INSTRUCTION AND TECHNICAL TRAINING SCHOOL.

(a) SCHOOL AUTHORIZED.—

(1) IN GENERAL.—Subchapter V of chapter 16 of title 10, United States Code, as amended by section 1207, is further amended by adding at the end the following new section:

"§ 352. Naval Small Craft Instruction and Technical Training School

"(a) IN GENERAL.—The Secretary of Defense may operate an education and training facility known as the 'Naval Small Craft In-

struction and Technical Training School' (in this section referred to as the 'School').

"(b) DESIGNATION OF EXECUTIVE AGENT.—The Secretary of Defense shall designate the Secretary of a military department as the Department of Defense executive agent for carrying out the responsibilities of the Secretary of Defense under this section.

"(c) PURPOSE.—The purpose of the School shall be to provide to the military and other security forces of one or more friendly foreign countries education and training under any other provision of law related to naval small craft instruction and training and to increase professionalism, readiness, and respect for human rights through formal courses of instruction or mobile training teams for—

"(1) the operation, employment, maintenance, and logistics of specialized equipment;

"(2) participation in—

"(A) joint exercises; or

"(B) coalition or international military operations; and

"(3) improved interoperability between—

"(A) the armed forces; and

"(B) the military and other security forces of the one or more friendly foreign countries.

"(d) LIMITATION ON PERSONNEL ELIGIBLE TO RECEIVE EDUCATION AND TRAINING.—The Secretary of Defense may not provide education or training at the School to any personnel of a country that is prohibited from receiving such education or training under any other provision of law.

"(e) FIXED COSTS.—The fixed costs of operation and maintenance of the School in a fiscal year may be paid from amounts made available for such fiscal year for operation and maintenance of the Department of Defense.

"(f) ANNUAL REPORT.—Not later than March 15 each year, the Secretary of Defense, with the concurrence of the Secretary of State, shall submit to the appropriate congressional committees a detailed report on the activities and operating costs of the School during the preceding fiscal year.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of subchapter V of chapter 16 of such title is amended by adding at the end the following new item:

"352. Naval Small Craft Instruction and Technical Training School.".

(b) REPORT REQUIRED.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report that sets forth the following:

(1) The budget requirements for the operation and sustainment of the Naval Small Craft Instruction and Technical Training School authorized by section 352 of title 10, United States Code (as added by subsection (a)), during the period of the future-years defense program submitted to Congress in fiscal year 2019, including—

(A) a description of the budget requirements relating to the School for—

(i) Major Force Program–2; and

(ii) Major Force Program–11; and

(B) an identification of any other source of funding for the School.

(2) The anticipated requirements for facilities for the School.

(3) An identification of the Secretary of a military department designated by the Secretary of Defense as executive agent for the School under subsection (b) of such section.

(4) The anticipated military construction and facilities renovation requirements for the School during such period.

(5) Any other matter relating to the School that the Secretary of Defense considers appropriate.

(c) LIMITATION ON USE OF FUNDS.—

(1) IN GENERAL.—Nothing in section 352 of title 10, United States Code (as so added), may be construed as authorizing the use of funds appropriated for the Department of Defense for any purpose described in paragraph (2) unless specifically authorized by an Act of Congress other than that section or this Act.

(2) PURPOSES.—The purposes described in this paragraph are the following:

(A) The operation of a facility other than the Naval Small Craft Instruction and Technical Training School that is in operation as of the date of the enactment of this Act for the provision of education and training authorized to be provided by the School.

(B) The construction or expansion of any facility of the School.

SEC. 1209. EXPANSION OF REGIONAL DEFENSE COMBATING TERRORISM FELLOWSHIP PROGRAM TO INCLUDE IRREGULAR WARFARE.

(a) IN GENERAL.—Section 345 of title 10, United States Code, is amended—

(1) by redesignating subsections (b) and (c) as subsections (c) and (d), respectively;

(2) by striking subsection (a) and inserting the following new subsections (a) and (b):

"(a) PROGRAM AUTHORIZED.—

"(1) IN GENERAL.—The Secretary of Defense may carry out a program under which the Secretary may pay any costs associated with the education and training of foreign military officers, ministry of defense officials, or security officials at military or civilian educational institutions, regional centers, conferences, seminars, or other training programs conducted for purposes of regional defense in connection with either of the following:

"(A) Combating terrorism.

"(B) Irregular warfare.

"(2) COVERED COSTS.—Costs for which payment may be made under this section include the costs of transportation and travel and subsistence costs.

"(3) DESIGNATION.—The program authorized by this section shall be known as the 'Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program'.

"(b) REGULATIONS.—

"(1) IN GENERAL.—The program authorized by subsection (a) shall be carried out under regulations prescribed by the Secretary of Defense and the Secretary of State.

"(2) ELEMENTS.—The regulations shall ensure that—

"(A) the Secretary of Defense and the Secretary of State—

"(i) jointly develop and plan activities under the program that—

"(I) advance United States security cooperation objectives; and

"(II) support theater security cooperation planning of the combatant commands; and

"(ii) coordinate on the implementation of activities under the program;

"(B) each of the Secretary of Defense and the Secretary of State designates an individual at the lowest appropriate level of the Department of Defense or the Department of State, as applicable, who shall be responsible for program coordination; and

"(C) to the extent practicable, activities under the program are appropriately coordinated with, and do not duplicate or conflict with, activities under International Military Education and Training (IMET) authorities.

"(3) SUBMITTAL TO CONGRESS.—Upon any update of the regulations, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives a copy of the regulations as so updated, together with a description of the update."; and

(3) in paragraph (3) of subsection (d), as redesignated by paragraph (1) of this subsection, by striking "in the global war on terrorism".

(b) CONFORMING AMENDMENTS.—

(1) HEADING AMENDMENT.—The heading of such section is amended to read as follows:

"§ 345. Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program".

(2) TABLE OF SECTIONS AMENDMENT.—The table of sections at the beginning of subchapter V of chapter 16 of such title is amended by striking the item relating to section 345 and inserting the following new item:

"345. Regional Defense Combating Terrorism and Irregular Warfare Fellowship Program.".

SEC. 1210. MODIFICATION TO DEPARTMENT OF DEFENSE STATE PARTNERSHIP PROGRAM.

Section 341(b)(2) of title 10, United States Code, is amended by inserting "assistance" after "any".

SEC. 1211. ASSESSMENT, MONITORING, AND EVALUATION OF SECURITY COOPERATION.

(a) ASSESSMENT, MONITORING, AND EVALUATION OF SECURITY COOPERATION ACTIVITIES.—Of the amount for Operations and Maintenance, Defense-wide made available to the Defense Security Cooperation Agency for fiscal year 2019, it is the goal that $12,000,000, but in no event less than $6,000,000, shall be allocated for the assessment, monitoring, and evaluation of security cooperation activities in accordance with section 383 of title 10, United States Code.

(b) LIMITATION ON USE OF FUNDS.—Of the amount for Operation and Maintenance, Defense-wide made available to the Depart-

ment of Defense for fiscal year 2019 for activities under section 333 of title 10, United States Code, not more than 50 percent may be expended until the Secretary submits to the appropriate congressional committees (as such term is defined in section 301(1) of title 10, United States Code) a written plan for the expenditure of the amount allocated under subsection (a), including—

(1) a description of the activities planned for fiscal year 2019 for the evaluation of security cooperation programs across the security cooperation enterprise, including through chapter 16 of title 10, United States Code, the Afghanistan Security Forces Fund, the Counter-ISIL Fund, the cooperative threat reduction program, and other security cooperation authorities as appropriate; and

(2) a description of the activities planned for fiscal year 2019 for the training, support, and organization of the Department to effectively carry out responsibilities under section 383 of title 10, United States Code.

(c) MODIFICATION OF ASSESSMENT, MONITORING, AND EVALUATION OF PROGRAMS AND ACTIVITIES.—Section 383(b)(1) of title 10, United States Code, is amended by adding at the end the following:

"(E) Incorporation of lessons learned from prior security cooperation programs and activities of the Department of Defense that were carried out any time on or after September 11, 2001.".

SEC. 1212. LEGAL AND POLICY REVIEW OF ADVISE, ASSIST, AND ACCOMPANY MISSIONS.

(a) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the Under Secretary of Defense for Policy, in coordination with the General Counsel of the Department of Defense and the commanders of appropriate combatant commands, shall—

(1) conduct a review of the legal and policy frameworks associated with advise, assist, and accompany missions by United States military personnel; and

(2) submit to the Secretary of Defense a report on the results of such review.

(b) SUBMITTAL TO CONGRESS.—Not later than 30 days after the date on which the Secretary receives the report required by subsection (a)(2), the Secretary shall submit to the congressional defense committees the report together with any comments by the Secretary that amplify or clarify the report.

(c) ELEMENTS.—The report and review required by subsection (a) shall include the following:

(1) An analysis of the risks and benefits of United States military personnel conducting advise, assist, and accompany missions with foreign partner forces, and an assessment of the relation of such risks and benefits to United States security objectives.

(2) A review of applicable execute orders and theater and functional campaign plans in order to ensure that such orders and plans comply with United States law for the employment of United States military personnel and capabilities to advise, assist, and accompany foreign partner forces.

(3) An explanation of the fiscal and operational authorities applicable to advise, assist, and accompany missions, including a differentiation between—

(A) advise, assist, and accompany missions conducted by United States military personnel under an execute order with partner forces; and

(B) accompany missions conducted by United States military personnel with foreign partner forces also affiliated with a program authorized by section 127e or 333 of title 10, United States Code.

(4) An explanation of the domestic and international legal bases for the use of United States military personnel to provide collective self-defense in support of designated foreign partner forces inside and outside areas of active hostilities, and a description of any legal or policy limitation on the provision of collective self-defense in support of such designated foreign partner forces.

(5) An assessment whether the legal and policy frameworks applicable to advise, assist, and accompany missions by United States military personnel are adequately communicated to and understood at all levels of operational command.

(6) An assessment whether approvals and permissions related to advise, assist, and accompany missions are made at the appropriate level of command.

(7) A definition, and policy guidance, for the appropriate use in execute orders and military doctrine of each of the following:

(A) Advise.
(B) Assist.
(C) Accompany.
(D) Self-defense.
(E) Collective self-defense.
(F) Combined operations.
(G) Partnered operations.
(H) Last point of cover and conceal.

(8) Any other matters the Under Secretary or the Secretary considers appropriate.

(d) FORM.—The report required by subsection (b) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1213. EXTENSION AND MODIFICATION OF AUTHORITY TO SUPPORT BORDER SECURITY OPERATIONS OF CERTAIN FOREIGN COUNTRIES.

(a) EXPANSION OF AUTHORITY.—Paragraph (1) of subsection (a) of section 1226 of the National Defense Authorization Act for Fiscal Year 2016 (22 U.S.C. 2151 note) is amended to read as follows:

"(1) IN GENERAL.—The Secretary of Defense, with the concurrence of the Secretary of State, is authorized to provide support on a reimbursement basis as follows:

"(A) To the Government of Jordan for purposes of supporting and enhancing efforts of the armed forces of Jordan to increase security and sustain increased security along the border of Jordan with Syria and Iraq.

"(B) To the Government of Lebanon for purposes of supporting and enhancing efforts of the armed forces of Lebanon to increase security and sustain increased security along the border of Lebanon with Syria.

"(C) To the Government of Egypt for purposes of supporting and enhancing efforts of the armed forces of Egypt

to increase security and sustain increased security along the border of Egypt with Libya.

"(D) To the Government of Tunisia for purposes of supporting and enhancing efforts of the armed forces of Tunisia to increase security and sustain increased security along the border of Tunisia with Libya.

"(E) To the Government of Oman for purposes of supporting and enhancing efforts of the armed forces of Oman to increase security and sustain increased security along the border of Oman with Yemen.

"(F) To the Government of Pakistan for purposes of supporting and enhancing efforts of the armed forces of Pakistan to increase security and sustain increased security along the border of Pakistan with Afghanistan.".

(b) CERTIFICATION.—Subsection (d) of such section is amended to read as follows:

"(d) NOTICE AND CERTIFICATION BEFORE EXERCISE.—Not later than 15 days before providing support under the authority of subsection (a) to a country that has not previously received such support, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the specified congressional committees a report that—

"(1) sets forth a full description of the support to be provided, including—

"(A) the purpose of such support;

"(B) the amount of support to be provided; and

"(C) the anticipated duration of the provision of such support; and

"(2) includes a certification that—

"(A) the recipient country has taken demonstrable steps to increase security along the border specified for such country in subsection (a); and

"(B) the provision of such support is in the interest of United States national security.".

(c) LIMITATION ON REIMBURSEMENT OF PAKISTAN.—Such section is further amended—

(1) by redesignating subsections (e) and (f) as subsections (g) and (h), respectively; and

(2) by inserting after subsection (d) the following new subsection (e):

"(e) LIMITATION ON REIMBURSEMENT OF PAKISTAN PENDING CERTIFICATION.—No amount of reimbursement support under subsection (a)(1)(F) is authorized to be disbursed to the Government of Pakistan unless the Secretary of Defense certifies to the congressional defense committees that the following conditions are met:

"(1) The military and security operations of Pakistan pertaining to border security and ancillary activities for which reimbursement is sought have been coordinated with United States military representatives in advance of the execution of such operations and activities.

"(2) The goals and desired outcomes of each such operation or activity have been established and agreed upon in advance by the United States and Pakistan.

"(3) A process exists to verify the achievement of the goals and desired outcomes established in accordance with paragraph (2).

"(4) The Government of Pakistan is making an effort to actively coordinate with the Government of Afghanistan on issues relating to border security on the Afghanistan-Pakistan border.".

(d) QUARTERLY REPORTS.—Such section is further amended by inserting after subsection (e), as so designated by subsection (c) of this section, the following new subsection (f):

"(f) QUARTERLY REPORTS.—Not later than 30 days after the end of each fiscal quarter, the Secretary of Defense shall submit to the specified congressional committees a report on reimbursements pursuant to subsection (a) during the preceding fiscal quarter that includes—

"(1) an identification of each country reimbursed;

"(2) the date of each reimbursement;

"(3) a description of any partner nation border security efforts for which reimbursement was provided;

"(4) an assessment of the value of partner nation border security efforts for which reimbursement was provided;

"(5) the total amounts of reimbursement provided to each partner nation in the preceding four fiscal quarters; and

"(6) such other matters as the Secretary considers appropriate.".

(e) EXTENSION.—Subsection (h) of such section, as so redesignated, is amended by striking "December 31, 2019" and inserting "December 31, 2021".

SEC. 1214. FRAMEWORK FOR OBTAINING CONCURRENCE FOR PARTICIPATION IN ACTIVITIES OF REGIONAL CENTERS FOR SECURITY STUDIES.

Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense, with the concurrence of the Secretary of State, shall establish and submit to the appropriate congressional committees, as such term is defined in section 301(1) of title 10, United States Code, a Memorandum of Agreement or other arrangement setting forth a framework for the procedures required between the Department of Defense and the Department of State to obtain the concurrence of the Secretary of State, as required by law or policy, to allow non-defense and non-governmental personnel of friendly foreign countries to participate in activities of the Department of Defense Regional Centers for Security Studies.

Subtitle B—Matters Relating to Afghanistan and Pakistan

SEC. 1221. EXTENSION OF AUTHORITY TO TRANSFER DEFENSE ARTICLES AND PROVIDE DEFENSE SERVICES TO THE MILITARY AND SECURITY FORCES OF AFGHANISTAN.

(a) EXTENSION.—Subsection (h) of section 1222 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 1992), as most recently amended by section 1211 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1648), is further amended by striking "December 31, 2018" and inserting "December 31, 2020".

(b) EXCESS DEFENSE ARTICLES.—Subsection (i)(2) of such section 1222, as so amended, is further amended by striking "December 31, 2018," each place it appears and inserting "December 31, 2020".

SEC. 1222. EXTENSION AND MODIFICATION OF REPORTING REQUIREMENTS FOR SPECIAL IMMIGRANT VISAS FOR AFGHAN ALLIES PROGRAM.

Section 602 of the Afghan Allies Protection Act of 2009 (8 U.S.C. 1101 note) is amended—

(1) in subsection (b)—

(A) by striking paragraph (10);

(B) by redesignating paragraphs (11) through (16) as paragraphs (10) through (15), respectively;

(C) in paragraph (11)(A), as so redesignated, by striking "the National Defense Authorization Act for Fiscal Year 2014" and inserting "the John S. McCain National Defense Authorization Act for Fiscal Year 2019";

(D) in paragraph (12), as so redesignated, by striking "paragraph (12)(B)" and inserting "paragraph (11)(B)"; and

(E) in paragraph (13), as so redesignated, in the matter preceding subparagraph (A), by striking "a report to the" and all that follows through "House of Representatives" and inserting "a report to the appropriate committees of Congress";

(2) by striking subsection (c); and

(3) by redesignating subsection (d) as subsection (c).

SEC. 1223. AFGHANISTAN SECURITY FORCES FUND.

(a) CONTINUATION OF PRIOR AUTHORITIES AND NOTICE AND REPORTING REQUIREMENTS.—Funds available to the Department of Defense for the Afghanistan Security Forces Fund for fiscal year 2019 shall be subject to the conditions contained in—

(1) subsections (b) through (f) of section 1513 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 428), as most recently amended by section 1521(d)(2)(A) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2577); and

(2) section 1521(d)(1) of the National Defense Authorization Act for Fiscal Year 2017.

(b) USE OF FUNDS.—Section 1513(b)(1) of the National Defense Authorization Act for Fiscal Year 2008 is amended by striking "security forces of Afghanistan" and inserting "security forces of the Ministry of Defense and the Ministry of the Interior of the Government of the Islamic Republic of Afghanistan".

(c) EQUIPMENT DISPOSITION.—

(1) ACCEPTANCE OF CERTAIN EQUIPMENT.—Subject to paragraph (2), the Secretary of Defense may accept equipment that is procured using amounts authorized to be appropriated for the Afghanistan Security Forces Fund by this Act and is intended for transfer to the security forces of Afghanistan, but is not accepted by such security forces.

(2) CONDITIONS ON ACCEPTANCE OF EQUIPMENT.—Before accepting any equipment under the authority provided by paragraph (1), the Commander of United States forces in Afghanistan shall make a determination that such equipment was procured for the purpose of meeting requirements of the security forces of Afghanistan, as agreed to by both the Government of

Afghanistan and the Government of the United States, but is no longer required by such security forces or was damaged before transfer to such security forces.

(3) ELEMENTS OF DETERMINATION.—In making a determination under paragraph (2) regarding equipment, the Commander of United States forces in Afghanistan shall consider alternatives to the acceptance of such equipment by the Secretary. An explanation of each determination, including the basis for the determination and the alternatives considered, shall be included in the relevant quarterly report required under paragraph (5).

(4) TREATMENT AS DEPARTMENT OF DEFENSE STOCKS.—Equipment accepted under the authority provided by paragraph (1) may be treated as stocks of the Department of Defense upon notification to the congressional defense committees of such treatment.

(5) QUARTERLY REPORTS ON EQUIPMENT DISPOSITION.—

(A) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act and every 90-day period thereafter during which the authority provided by paragraph (1) is exercised, the Secretary shall submit to the congressional defense committees a report describing the equipment accepted during the period covered by such report under the following:

(i) This subsection.

(ii) Section 1521(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2575).

(iii) Section 1531(b) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1088).

(iv) Section 1532(b) of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3613).

(v) Section 1531(d) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 938; 10 U.S.C. 2302 note).

(B) ELEMENTS.—Each report under subparagraph (A) shall include a list of all equipment that was accepted during the period covered by such report and treated as stocks of the Department of Defense and copies of the determinations made under paragraph (2), as required by paragraph (3).

(d) SECURITY OF AFGHAN WOMEN.—

(1) IN GENERAL.—Of the funds available to the Department of Defense for the Afghan Security Forces Fund for fiscal year 2019, it is the goal that $25,000,000, but in no event less than $10,000,000, shall be used for—

(A) the recruitment, integration, retention, training, and treatment of women in the Afghan National Defense and Security Forces; and

(B) the recruitment, training, and contracting of female security personnel for future elections.

(2) TYPES OF PROGRAMS AND ACTIVITIES.—Such programs and activities may include—

(A) efforts to recruit women into the Afghan National Defense and Security Forces, including the special operations forces;

(B) programs and activities of the Directorate of Human Rights and Gender Integration of the Ministry of Defense of Afghanistan and the Office of Human Rights, Gender and Child Rights of the Ministry of Interior of Afghanistan;

(C) development and dissemination of gender and human rights educational and training materials and programs within the Ministry of Defense and the Ministry of Interior of Afghanistan;

(D) efforts to address harassment and violence against women within the Afghan National Defense and Security Forces;

(E) improvements to infrastructure that address the requirements of women serving in the Afghan National Defense and Security Forces, including appropriate equipment for female security and police forces, and transportation for policewomen to their station;

(F) support for Afghanistan National Police Family Response Units; and

(G) security provisions for high-profile female police and military officers.

(e) ASSESSMENT OF AFGHANISTAN PROGRESS ON OBJECTIVES.—

(1) ASSESSMENT REQUIRED.—Not later than May 1, 2019, the Secretary of Defense shall, in consultation with the Secretary of State, submit to the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives and the Committee on Armed Services and the Committee on Foreign Relations of the Senate an assessment describing—

(A) the progress of the Government of the Islamic Republic of Afghanistan toward meeting shared security objectives; and

(B) the efforts of the Government of the Islamic Republic of Afghanistan to manage, employ, and sustain the equipment and inventory provided under subsection (a).

(2) MATTERS TO BE INCLUDED.—In conducting the assessment required by paragraph (1), the Secretary of Defense shall include each of the following:

(A) A consideration of the extent to which the Government of Afghanistan has a strategy for, and has taken steps toward, increased accountability and the reduction of corruption within the Ministry of Defense and the Ministry of Interior of Afghanistan.

(B) A consideration of the extent to which the capability and capacity of the Afghan National Defense and Security Forces have improved as a result of Afghanistan Security Forces Fund investment, including through training, and an articulation of the metrics used to assess such improvements.

(C) A consideration of the extent to which the Afghan National Defense and Security Forces have been able to in-

crease pressure on the Taliban, al-Qaeda, the Haqqani network, and other terrorist organizations, including by retaking territory, defending territory, and disrupting attacks.

(D) A consideration of the distribution practices of the Afghan National Defense and Security Forces and whether the Government of Afghanistan is ensuring that supplies, equipment, and weaponry supplied by the United States are appropriately distributed to, and employed by, security forces charged with fighting the Taliban and other terrorist organizations.

(E) A consideration of the extent to which the Government of Afghanistan has designated the appropriate staff, prioritized the development of relevant processes, and provided or requested the allocation of resources necessary to support a peace and reconciliation process in Afghanistan.

(F) A description of the ability of the Ministry of Defense and the Ministry of Interior of Afghanistan to manage and account for previously divested equipment, including a description of any vulnerabilities or weaknesses of the internal controls of such Ministry of Defense and Ministry of Interior and any plan in place to address shortfalls.

(G) A description of the monitoring and evaluation systems in place to ensure assistance provided under subsection (a) is used only for the intended purposes.

(H) A description of any significant irregularities in the divestment of equipment to the Afghan National Defense and Security Forces during the 5-year period beginning on the date of the enactment of this Act, including any major losses of such equipment or any inability on the part of the Afghan National Defense and Security Forces to account for equipment so procured.

(I) A description of the sustainment and maintenance costs required during the 5-year period beginning on the date of the enactment of this Act for major weapons platforms previously divested, and a plan for how the Afghan National Defense and Security Forces intends to maintain such platforms in the future.

(J) A consideration of the extent to which the Government of Afghanistan is adhering to conditions for receiving assistance established in annual financial commitment letters or any other bilateral agreements with the United States.

(K) A consideration of the extent to which the Government of Afghanistan has made progress in achieving security sector benchmarks as outlined by the United States-Afghan Compact (commonly known as the "Kabul Compact").

(L) Such other factors as the Secretaries consider appropriate.

(3) FORM.—The assessment required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(4) WITHHOLDING OF ASSISTANCE FOR INSUFFICIENT PROGRESS.—

(A) IN GENERAL.—If the Secretary of Defense determines, in coordination with the Secretary of State, pursuant to the assessment under paragraph (1) that the Government of Afghanistan has made insufficient progress in the areas described in paragraph (2), the Secretary of Defense may withhold assistance for the Afghan National Defense and Security Forces until such time as the Secretary determines sufficient progress has been made.

(B) NOTICE TO CONGRESS.—If the Secretary of Defense withholds assistance under subparagraph (A), the Secretary shall, in coordination with the Secretary of State, provide notice to Congress not later than 30 days after making the decision to withhold such assistance.

SEC. 1224. EXTENSION AND MODIFICATION OF COMMANDERS' EMERGENCY RESPONSE PROGRAM.

(a) EXTENSION.—Section 1201 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat. 1619), as most recently amended by section 1211 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2477), is further amended—

(1) in subsection (a), by striking "December 31, 2018" and inserting "December 31, 2019";

(2) in subsection (b), by striking "fiscal year 2017 and fiscal year 2018" and inserting "fiscal years 2017 through 2019"; and

(3) in subsection (f), by striking "December 31, 2018" and inserting "December 31, 2019".

(b) MODIFICATION.—Subsection (b) of section 1211 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2477) is amended—

(1) in the heading, by striking "AND SYRIA" and inserting "SYRIA, SOMALIA, LIBYA, AND YEMEN"; and

(2) in paragraph (1), by striking "or Syria" and inserting "Syria, Somalia, Libya, or Yemen".

SEC. 1225. EXTENSION AND MODIFICATION OF AUTHORITY FOR REIMBURSEMENT OF CERTAIN COALITION NATIONS FOR SUPPORT PROVIDED TO UNITED STATES MILITARY OPERATIONS.

(a) EXTENSION.—Subsection (a) of section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat. 393), as most recently amended by section 1212 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended—

(1) in the matter preceding paragraph (1), by striking "October 1, 2017, and ending on December 31, 2018" and inserting "October 1, 2018, and ending on December 31, 2019"; and

(2) by amending paragraph (2) to read as follows:

"(2) Pakistan for certain activities meant to enhance the security situation in the Afghanistan-Pakistan border region pursuant to section 1226 of the National Defense Authorization Act for Fiscal Year 2016 (22 U.S.C. 2151 note), as amended by the John S. McCain National Defense Authorization Act for Fiscal Year 2019.".

(b) MODIFICATION TO LIMITATIONS.—Subsection (d) of such section is amended—

(1) in paragraph (1)—

(A) in the first sentence—

(i) by striking "October 1, 2017, and ending on December 31, 2018" and inserting "October 1, 2018, and ending on December 31, 2019"; and

(ii) by striking "$900,000,000" and inserting "$350,000,000"; and

(B) by striking the second sentence; and

(2) by striking paragraph (3).

(c) REPEAL OF PROVISION RELATING TO REIMBURSEMENT TO PAKISTAN FOR SECURITY ENHANCEMENT ACTIVITIES.—Such section is further amended—

(1) by striking subsection (e); and

(2) by redesignating subsections (f) through (h) as subsections (e) through (g), respectively.

(d) NOTICE TO CONGRESS.—Paragraph (1) of subsection (e) of such section, as redesignated by subsection (c) of this section, is amended by striking the second sentence.

Subtitle C—Matters Relating to Syria, Iraq, and Iran

SEC. 1231. EXTENSION AND MODIFICATION OF AUTHORITY TO PROVIDE ASSISTANCE TO THE VETTED SYRIAN OPPOSITION.

(a) EXTENSION.—Section 1209(a) of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3559), as most recently amended by section 1221(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2485), is further amended by striking "December 31, 2018" and inserting "December 31, 2019".

(b) LIMITATION ON USE OF FUNDS IN GENERAL.—

(1) LIMITATION.—None of the funds authorized to be appropriated for fiscal year 2019 for the Department of Defense may be obligated or expended for activities under the authority in section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a), until the later of the following:

(A) The date on which the President submits the report on United States strategy in Syria required by section 1221 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1650).

(B) The date that is 30 days after the date on which the Secretary of Defense submits the report described in paragraph (2).

(2) REPORT.—

(A) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report setting forth the following:

(i) A description of the efforts the United States will undertake to train and equip appropriately vetted Syrian opposition forces, and a description of any roles or contributions of partner countries with respect to such efforts.

(ii) A detailed description of the internal security forces of the vetted Syrian opposition to be trained and equipped under such authority, including a description

of their geographic locations, demographic profiles, political affiliations, current capabilities, and relation to the objectives under the authority in section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a).

(iii) An assessment of the current operational effectiveness of such forces and their command and control structures.

(iv) A detailed description of planned capabilities, including categories of training, equipment, financial support, sustainment, and supplies intended to be provided to the elements of the vetted Syrian opposition under such authority, and timelines for delivery.

(v) A description of the planned posture of United States forces and the planned level of engagement by such forces with the elements of the vetted Syrian opposition, including the oversight of equipment provided under such authority and the activities conducted by such vetted Syrian opposition forces.

(vi) An explanation of the processes and mechanisms for local commanders of the vetted Syrian opposition to exercise command and control of the elements of the vetted Syrian opposition after such elements of the vetted Syrian opposition have been trained and equipped under such authority.

(vii) An explanation of complementary local governance and other stabilization activities in areas in which elements of the local internal security forces trained and equipped under such authority will be operating and the relation of such local governance and other stabilization activities to the oversight of such security forces.

(B) FORM.—The report required by subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

(c) REPROGRAMMING REQUIREMENT.—Subsection (f) of such section 1209, as most recently amended by section 1221 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2485), is further amended by striking "December 31, 2018" and inserting "December 31, 2019".

(d) QUARTERLY PROGRESS REPORT.—

(1) IN GENERAL.—The Secretary of Defense, in coordination with the Secretary of State, shall submit to the appropriate congressional committees and leadership of the House of Representatives and the Senate a progress report under section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015. Such progress report shall, based on the most recent quarterly information, include an assessment of the following:

(A) Whether, during the 90-day period, demonstrable progress was made—

(i) to retake control of territory in Syria from the Islamic State of Iraq and Syria (ISIS); or

(ii) to stabilize areas in Syria formerly held by the Islamic State of Iraq and Syria.

(B) Whether, during such period, the vetted Syrian opposition tasked with conducting local security operations that United States forces are training and equipping under the authority in section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by subsection (a), were demographically representative of the local communities and serve local governance bodies that are similarly representative of the local communities.

(C) Whether, during such period, the Department of Defense took actions to mitigate any pause in offensive operations against the Islamic State of Iraq and Syria through alternative approaches to the training, equipping, and assistance of the vetted Syrian opposition.

(D) Whether, during such period, support provided under the authority referred to in subparagraph (B) was consistent with United States standards regarding respect for human rights, rule of law, and support for stable and equitable governance.

(E) Whether, during such period, members of the vetted Syrian opposition receiving support under the authority referred to in subparagraph (B) demonstrated respect for human rights and rule of law, violations of human rights and rule of law by such members were appropriately investigated, and the individuals responsible for such violations were appropriately held accountable.

(2) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(3) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term "appropriate congressional committees" means—

(A) the congressional defense committees; and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1232. SYRIAN WAR CRIMES ACCOUNTABILITY.

(a) REPORT ON ACCOUNTABILITY FOR WAR CRIMES, CRIMES AGAINST HUMANITY, AND GENOCIDE IN SYRIA.—

(1) IN GENERAL.—The Secretary of State shall submit a report on war crimes, crimes against humanity, and genocide in Syria to the appropriate congressional committees not later than 90 days after the date of the enactment of this Act and another such report not later than 180 days after the Secretary of State determines that the violence in Syria has ceased.

(2) ELEMENTS.—The reports required under paragraph (1) shall include—

(A) a description of alleged war crimes, crimes against humanity, and genocide perpetrated during the civil war in Syria, including—

(i) incidents that may constitute war crimes, crimes against humanity, or genocide committed by the

regime of President Bashar al-Assad and all forces fighting on its behalf;

(ii) incidents that may constitute war crimes, crimes against humanity, or genocide committed by violent extremist groups, anti-government forces, and any other combatants in the conflict;

(iii) any incidents that may violate the principle of medical neutrality and, if possible, the identification of the individual or individuals who engaged in or organized such incidents; and

(iv) if possible, a description of the conventional and unconventional weapons used for such crimes and the origins of such weapons; and

(B) a description and assessment by the Department of State Office of Global Criminal Justice, the United States Agency for International Development, the Department of Justice, and other appropriate agencies of programs that the United States Government has undertaken to ensure accountability for war crimes, crimes against humanity, and genocide perpetrated against the people of Syria by the regime of President Bashar al-Assad, violent extremist groups, and other combatants involved in the conflict, including programs—

(i) to train investigators within and outside of Syria on how to document, investigate, develop findings of, and identify and locate alleged perpetrators of war crimes, crimes against humanity, or genocide, including—

(I) the number of United States Government or contract personnel currently designated to work full-time on these issues; and

(II) the identification of the authorities and appropriations being used to support such training efforts;

(ii) to promote and prepare for a transitional justice process or processes for the perpetrators of war crimes, crimes against humanity, and genocide in Syria beginning in March 2011;

(iii) to document, collect, preserve, and protect evidence of war crimes, crimes against humanity, and genocide in Syria, including support for Syrian, foreign, and international nongovernmental organizations, and other entities, including the International, Impartial and Independent Mechanism to Assist in the Investigation and Prosecution of Persons Responsible for the Most Serious Crimes under International Law Committed in the Syrian Arab Republic since March 2011 and the Independent International Commission of Inquiry on the Syrian Arab Republic; and

(iv) to assess the influence of accountability measures on efforts to reach a negotiated settlement to the Syrian conflict during the reporting period.

(3) FORM.—The reports required under paragraph (1) may be submitted in unclassified or classified form, but shall include a publicly available annex.

(4) PROTECTION OF WITNESSES AND EVIDENCE.—The Secretary shall take due care to ensure that the identification of witnesses and physical evidence are not publicly disclosed in a manner that might place such persons at risk of harm or encourage the destruction of evidence by the Government of Syria, violent extremist groups, anti-government forces, or any other combatants or participants in the conflict.

(b) TRANSITIONAL JUSTICE STUDY.—Not later than 180 days after the date of the enactment of this Act, the Secretary of State (acting through appropriate officials and offices, which may include the Office of Global Criminal Justice), after consultation with the Department of Justice, the United States Agency for International Development, and other appropriate Federal agencies, shall—

(1) complete a study of the feasibility and desirability of potential transitional justice mechanisms for Syria, including a hybrid tribunal, to address war crimes, crimes against humanity, and genocide perpetrated in Syria beginning in March 2011; and

(2) submit a detailed report of the results of the study conducted under paragraph (1), including recommendations on which transitional justice mechanisms the United States Government should support, why such mechanisms should be supported, and what type of support should be offered, to—

(A) the Committee on Foreign Relations, the Committee on the Judiciary, and the Committee on Appropriations of the Senate; and

(B) the Committee on Foreign Affairs, the Committee on the Judiciary, and the Committee on Appropriations of the House of Representatives.

(c) TECHNICAL ASSISTANCE AUTHORIZED.—

(1) IN GENERAL.—The Secretary of State (acting through appropriate officials and offices, which may include the Office of Global Criminal Justice), after consultation with the Department of Justice and other appropriate Federal agencies, is authorized to provide appropriate assistance to support entities that, with respect to war crimes, crimes against humanity, and genocide perpetrated by the regime of President Bashar al-Assad, all forces fighting on its behalf, and all non-state armed groups fighting in the country, including violent extremist groups in Syria beginning in March 2011—

(A) identify suspected perpetrators of war crimes, crimes against humanity, and genocide;

(B) collect, document, and protect evidence of crimes and preserve the chain of custody for such evidence;

(C) conduct criminal investigations;

(D) build Syria's investigative and judicial capacities and support prosecutions in the domestic courts of Syria, provided that President Bashar al-Assad is no longer in power;

(E) support investigations by third-party states, as appropriate; or

(F) protect witnesses that may be helpful to prosecutions or other transitional justice mechanisms.

(2) ADDITIONAL ASSISTANCE.—The Secretary of State, after consultation with appropriate Federal agencies and the appro-

priate congressional committees, and taking into account the findings of the transitional justice study required under subsection (b), is authorized to provide assistance to support the creation and operation of transitional justice mechanisms, including a potential hybrid tribunal, to prosecute individuals suspected of committing war crimes, crimes against humanity, or genocide in Syria beginning in March 2011.

(3) BRIEFING.—The Secretary of State shall provide detailed, biannual briefings to the appropriate congressional committees describing the assistance provided to entities described in paragraph (1).

(d) STATE DEPARTMENT REWARDS FOR JUSTICE PROGRAM.—Section 36(b)(10) of the State Department Basic Authorities Act of 1956 (22 U.S.C. 2708(b)(10)) is amended by inserting "(including war crimes, crimes against humanity, or genocide committed in Syria beginning in March 2011)" after "genocide".

(e) INDEPENDENT INTERNATIONAL COMMISSION OF INQUIRY ON THE SYRIAN ARAB REPUBLIC.—The Secretary of State, acting through the United States Permanent Representative to the United Nations, should use the voice, vote, and influence of the United States at the United Nations to advocate that the United Nations Human Rights Council, while the United States remains a member, annually extend the mandate of the Independent International Commission of Inquiry on the Syrian Arab Republic until the Commission has completed its investigation of all alleged violations of international human rights laws beginning in March 2011 in the Syrian Arab Republic.

(f) EFFECT OF SECTION.—Nothing in this section shall be construed to violate the American Servicemembers' Protection Act of 2002 (22 U.S.C. 7421 et seq.).

(g) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the Committee on Foreign Relations; the Committee on Armed Services, and the Committee on the Judiciary of the Senate; and

(B) the Committee on Foreign Affairs, the Committee on Armed Services, and the Committee on the Judiciary of the House of Representatives.

(2) GENOCIDE.—The term "genocide" means any offense described in section 1091(a) of title 18, United States Code.

(3) HYBRID TRIBUNAL.—The term "hybrid tribunal" means a temporary criminal tribunal that involves a combination of domestic and international lawyers, judges, and other professionals to prosecute individuals suspected of committing war crimes, crimes against humanity, or genocide.

(4) TRANSITIONAL JUSTICE.—The term "transitional justice" means the range of judicial, nonjudicial, formal, informal, retributive, and restorative measures employed by countries transitioning out of armed conflict or repressive regimes—

(A) to redress legacies of atrocities; and

(B) to promote long-term, sustainable peace.

(5) WAR CRIME.—The term "war crime" has the meaning given the term in section 2441(c) of title 18, United States Code.

SEC. 1233. EXTENSION OF AUTHORITY TO PROVIDE ASSISTANCE TO COUNTER THE ISLAMIC STATE OF IRAQ AND SYRIA.

(a) EXTENSION.—Subsection (a) of section 1236 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3558), as most recently amended by section 1222 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1651), is further amended by striking "December 31, 2019" and inserting "December 31, 2020".

(b) FUNDING.—Subsection (g) of such section 1236, as most recently so amended, is further amended—

(1) by striking "for the Department of Defense for Overseas Contingency Operations for fiscal year 2018" and inserting "for the Department of Defense for Overseas Contingency Operations for fiscal year 2019"; and

(2) by striking "$1,269,000,000" and inserting "$850,000,000".

(c) LIMITATION OF USE OF FISCAL YEAR 2019 FUNDS.—Of the amounts authorized to be appropriated for fiscal year 2019 by this Act for activities under the authority in section 1236 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, as amended by this section, not more than $450,000,000 may be obligated or expended for such activities until the date on which the Secretary of Defense has submitted to the congressional defense committees each of the following:

(1) The report on the United States strategy in Iraq required by the joint explanatory statement of the committee of the conference accompanying Conference Report 115–404.

(2) A report setting forth the following:

(A) An explanation of the purpose of a continuing United States military presence in Iraq, including—

(i) an explanation of the national security objectives of the United States with respect to Iraq;

(ii) a detailed description of—

(I) the size of a continuing United States military presence in Iraq; and

(II) the roles and missions associated with a continuing United States military presence in Iraq; and

(iii) a delineation of the responsibilities in connection with a continuing United States military presence in Iraq of—

(I) the Combined Joint Task Force Operation Inherent Resolve (or a successor task force);

(II) the Office of Security Cooperation in Iraq; and

(III) other United States embassy-based military personnel.

(B) An identification of the specific units of the Iraqi Security Forces to receive training and equipment or other support in fiscal year 2019.

(C) A plan for ensuring that any vehicles and equipment provided to the Iraqi Security Forces pursuant to that authority are maintained in subsequent fiscal years using funds of Iraq.

(D) An estimate, by fiscal year, of the funding anticipated to be required for support of the Iraqi Security Forces pursuant to that authority during the five fiscal years beginning with fiscal year 2020.

(E) A detailed plan for the obligation and expenditure of the funds requested for fiscal year 2019 for the Department of Defense for Operational Sustainment of the Iraqi Security Forces.

(F) A plan for the transition to the Government of Iraq of responsibility for funding for Operational Sustainment of the Iraqi Security Forces for fiscal years after fiscal year 2019.

(G) A description of any actions carried out under this paragraph.

(d) SENSE OF CONGRESS.—It is the sense of the Congress that—

(1) the Peshmerga forces of the Kurdistan Region of Iraq have made, and continue to make, significant contributions to the United States-led campaign to degrade, dismantle, and ultimately defeat the Islamic State of Iraq and Syria (ISIS) in Iraq;

(2) a lasting defeat of ISIS is critical to maintaining a stable and tolerant Iraq in which all faiths, sects, and ethnicities are afforded equal protection and full integration into the Government and society of Iraq; and

(3) in support of counter-ISIS operations and in conjunction with the Central Government of Iraq, the United States should continue to provide operational sustainment, as appropriate, to the Ministry of Peshmerga forces of the Kurdistan Region of Iraq so that the Peshmerga forces can more effectively partner with the Iraqi Security Forces, the United States, and other international Coalition members to consolidate gains, hold territory, and protect infrastructure from ISIS and its affiliates in an effort to deal a lasting defeat to ISIS and prevent its reemergence in Iraq.

(e) QUARTERLY PROGRESS REPORT.—

(1) IN GENERAL.—The Secretary of Defense, in coordination with the Secretary of State, shall submit to the appropriate congressional committees and leadership of the House of Representatives and the Senate a progress report under section 1236 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, which shall be provided in unclassified form with a classified annex if necessary. Such progress report shall, based on the most recent quarterly information, include an assessment of the following:

(A) The extent to which any forces associated with Iran's Revolutionary Guard Corps (IRGC) have been incorporated into the Iraqi Security Forces.

(B) Any instances in which forces associated with Iran's Revolutionary Guard Corps have acquired United States-provided equipment and training.

(C) The extent to which United States-provided equipment is controlled by unauthorized units, determined by vetting required in subsection (e) of section 1236 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015, or is not accounted for

by the Government of Iraq, including a list of major end items provided to the Government of Iraq that are controlled by unauthorized forces or unaccounted for.

(D) Actions taken by the Government of Iraq to repossess United States-provided equipment from unauthorized forces.

(E) The means by which the United States Armed Forces shares operational information with the Iraqi Security Forces and a description of any known instances in which any forces associated with Iran's Revolutionary Guard Corps have gained unauthorized access to such operational information.

(2) DEFINITION.—In this subsection, the term "appropriate congressional committees" means—

(A) the congressional defense committees; and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1234. LIMITATION ON ASSISTANCE TO THE GOVERNMENT OF IRAQ.

None of the funds authorized to be appropriated or otherwise made available by this Act for assistance to the Government of Iraq may be obligated or expended by the United States to provide assistance to any group that is, or that is known to be affiliated with, the Iranian Revolutionary Guard Corps–Quds Force or a state sponsor of terrorism.

SEC. 1235. EXTENSION AND MODIFICATION OF AUTHORITY TO SUPPORT OPERATIONS AND ACTIVITIES OF THE OFFICE OF SECURITY COOPERATION IN IRAQ.

(a) EXTENSION OF AUTHORITY.—Subsection (f)(1) of section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (10 U.S.C. 113 note) is amended by striking "fiscal year 2018" and inserting "fiscal year 2019".

(b) AMOUNT AVAILABLE.—

(1) IN GENERAL.—Such section is further amended—

(A) in subsection (c), by striking "fiscal year 2018 may not exceed $42,000,000" and inserting "fiscal year 2019 may not exceed $45,300,000"; and

(B) in subsection (d), by striking "fiscal year 2018" and inserting "fiscal year 2019".

(2) LIMITATION OF USE OF FISCAL YEAR 2019 FUNDS PENDING REPORTS.—Of the amount available for fiscal year 2019 for section 1215 of the National Defense Authorization Act for Fiscal Year 2012, as amended by this section, not more than an amount equal to 25 percent of such amount may be obligated or expended for the Office of Security Cooperation in Iraq until 30 days after the later of—

(A) the date on which the report on the United States strategy on Iraq required by the joint explanatory statement of the committee of the conference accompanying Conference Report 115–404 is submitted to the congressional defense committees; and

(B) the date on which the report required by subsection (d)(1) is submitted to the appropriate committees of Congress.

(c) SOURCE OF FUNDS.—Subsection (d) of such section is amended by striking "fiscal year 2018" and inserting "fiscal year 2019".

(d) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in cooperation with the Secretary of State, shall submit to the appropriate committees of Congress a report on the Office of Security Cooperation in Iraq.

(2) ELEMENTS.—The report required by paragraph (1) shall include the following:

(A) A description of the enduring planned size and missions of the Office of Security Cooperation in Iraq after the cessation of major combat operations against the Islamic State of Iraq and Syria.

(B) A description of the relationship between the Office of Security Cooperation in Iraq and any planned enduring presence of other United States forces in Iraq.

(C) A detailed description of any activity to be conducted by the Office of Security Cooperation in Iraq in fiscal year 2019.

(D) A plan and timeline for the normalization of the Office of Security Cooperation in Iraq to conform to other offices of security cooperation, including the transition of funding from the Department of Defense to the Department of State by the beginning of fiscal year 2020.

(E) Such other matters with respect to the Office of Security Cooperation in Iraq as the Secretary of Defense and the Secretary of State consider appropriate.

(e) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1236. MODIFICATION OF ANNUAL REPORT ON MILITARY POWER OF IRAN.

Section 1245(b) of the National Defense Authorization Act for Fiscal Year 2010 (10 U.S.C. 113 note) is amended—

(1) in paragraph (3)(B), by inserting "the Houthis," after "Hamas,"; and

(2) in paragraph (7)—

(A) by inserting "the Russian Federation," after "Pakistan,"; and

(B) by inserting "trafficking or" before "development".

SEC. 1237. STRATEGY TO COUNTER DESTABILIZING ACTIVITIES OF IRAN.

(a) STRATEGY AUTHORIZED.—

(1) IN GENERAL.—The Secretary of Defense, with the concurrence of the Secretary of State, may develop a strategy with foreign partners to counter the destabilizing activities of Iran.

(2) ELEMENTS.—The strategy described in paragraph (1)—

(A) should identify specific countries in which Iran and Iranian-backed entities are operating; and

(B) should establish a cooperative framework that includes, as appropriate—

(i) investing in intelligence, surveillance, and reconnaissance capabilities;

(ii) investing in mine countermeasures resources and platforms;

(iii) investing in integrated air and missile defense platforms and technologies;

(iv) sharing intelligence and data between the United States and such foreign countries;

(v) investing in cyber security and cyber defense capabilities;

(vi) engaging in combined planning and exercises;

(vii) engaging in defense education, institution building, doctrinal development, and reform; and

(viii) assessing Iran's destabilizing activities in the countries identified under subparagraph (A) and the implications thereof.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, and annually thereafter through December 31, 2021, the Secretary of Defense, in consultation with the Secretary of State, should submit to the congressional defense committees and the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives a report on actions taken to enhance cooperation and encourage military-to-military engagement between the United States and foreign partners with the goal of countering the destabilizing actions of Iran and, if applicable, the strategy authorized by subsection (a).

Subtitle D—Matters Relating to the Russian Federation

SEC. 1241. PROHIBITION ON AVAILABILITY OF FUNDS RELATING TO SOVEREIGNTY OF THE RUSSIAN FEDERATION OVER CRIMEA.

(a) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Department of Defense may be obligated or expended to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea.

(b) WAIVER.—The Secretary of Defense, with the concurrence of the Secretary of State, may waive the prohibition under subsection (a) if the Secretary of Defense—

(1) determines that to do so is in the national security interest of the United States; and

(2) submits to the Committee on Armed Services and the Committee on Foreign Relations of the Senate and the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives a notification of the waiver, along with a justification of the reason for seeking such waiver, at the time the waiver is invoked.

SEC. 1242. LIMITATION ON AVAILABILITY OF FUNDS RELATING TO IMPLEMENTATION OF THE OPEN SKIES TREATY.

(a) PROHIBITION ON ACTIVITIES TO MODIFY UNITED STATES AIRCRAFT.—

(1) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year

2019 for research, development, test, and evaluation, Air Force, for arms control implementation (PE 0305145F), Aircraft Procurement, Air Force (line item C135B0/C-135B), or procurement, Air Force, for digital visual imaging system (BA-05, Line Item #1900) may be obligated or expended to carry out any activities to modify any United States aircraft for purposes of implementing the Open Skies Treaty until the President submits to the appropriate congressional committees the certification described in paragraph (2).

(2) CERTIFICATION.—

(A) IN GENERAL.—The certification described in this paragraph is a certification of the President that—

(i) the President has imposed treaty violations responses and legal countermeasures on the Russian Federation for its violations of the Open Skies Treaty; and

(ii) the President has fully informed the appropriate congressional committees of such responses and countermeasures.

(B) DELEGATION.—The President may delegate the responsibility for making a certification under subparagraph (A) to the Secretary of the State.

(3) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term "appropriate congressional committees" means—

(A) the congressional defense committees; and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

(b) LIMITATION ON USE OF FUNDS TO VOTE OR APPROVE CERTAIN IMPLEMENTING DECISIONS OF THE OPEN SKIES CONSULTATIVE COMMISSION.—

(1) IN GENERAL.—None of the funds authorized to be appropriated or otherwise made available by this Act or any other Act for fiscal year 2019 may be used to vote to approve or otherwise adopt any implementing decision of the Open Skies Consultative Commission pursuant to Article X of the Open Skies Treaty to authorize approval of requests by state parties to the Treaty to certify infra-red or synthetic aperture radar sensors pursuant to Article IV of the Treaty unless and until the following requirements are met:

(A) The Secretary of Defense, jointly with the relevant United States Government officials, submits to the appropriate congressional committees the following:

(i) A certification that the implementing decision would not be detrimental or otherwise harmful to the national security of the United States.

(ii) A report on the Open Skies Treaty that includes the following:

(I) The annual costs to the United States associated with countermeasures to mitigate potential abuses of observation flights by the Russian Federation carried out under the Treaty over European and United States territories involving infrared or synthetic aperture radar sensors.

(II) A plan, and its estimated cost through December 31, 2023, to replace the Treaty architecture with an increased sharing of overhead commercial imagery, consistent with United States national security, with covered state parties, excluding the Russian Federation, compared with the current cost of implementing the Open Skies Treaty, including proposed aircraft recapitalization, through December 31, 2023.

(III) An evaluation by the Director of National Intelligence of matters concerning how an observation flight described in clause (i) could implicate intelligence activities of the Russian Federation in the United States and United States counterintelligence activities and vulnerabilities.

(IV) An assessment of how such information is used by the Russian Federation, for what purpose, and how the information fits into the Russian Federation's overall collection posture.

(B) Not later than 90 days before the date on which the United States votes to approve or otherwise adopt any such implementing decision, the President shall submit to the appropriate congressional committees a certification that—

(i) the Russian Federation—

(I) is in complete compliance with is obligations under the Open Skies Treaty;

(II) is not exceeding the imagery limits set forth in the Treaty; and

(III) is allowing observation flights by covered state parties over all of Moscow, Chechnya, Kaliningrad, and within 10 kilometers of its border with Georgia's occupied territories of Abkhazia and South Ossetia without restriction and without inconsistency to requirements under the Treaty; and

(ii) covered state parties have been notified and briefed, consistent with protection of sources and methods, on concerns of the intelligence community (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)) regarding infra-red or synthetic aperture radar sensors used under the Open Skies Treaty.

(2) WAIVER.—

(A) IN GENERAL.—The President may waive the application of paragraph (1)(B) if the President determines that—

(i) the waiver is in the national security of the United States; and

(ii) the Russian Federation has taken clear and verifiable action to return to compliance with the Open Skies Treaty.

(B) DELEGATION.—

(i) IN GENERAL.—The President may delegate the authority under subparagraph (A) to waive the application of paragraph (1)(B) to the Secretary of State, in

consultation with the Secretary of Defense and the Director of National Intelligence.

(ii) REPORT.—Not later than 30 days prior to a waiver taking effect pursuant to a delegation of the authority under subparagraph (A) to waive the application of paragraph (1)(B), the Secretary of State, the Secretary of Defense, and the Director of National Intelligence shall submit to the appropriate congressional committees a report that contains the views of such Secretaries and Director with respect to the waiver.

(c) FORM.—Each certification and report required under this section shall be submitted in unclassified form, but may contain a classified annex if necessary.

(d) DEFINITIONS.—Except as otherwise provided, in this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the Committee on Armed Services, the Committee on Foreign Relations, and the Select Committee on Intelligence of the Senate; and

(B) the Committee on Armed Services, the Committee on Foreign Affairs, and the Permanent Select Committee on Intelligence of the House of Representatives.

(2) COVERED STATE PARTY.—The term "covered state party" means a foreign country that—

(A) is a state party to the Open Skies Treaty; and

(B) is a United States ally.

(3) INFRA-RED OR SYNTHETIC APERTURE RADAR SENSOR.—The term "infra-red or synthetic aperture radar sensor" means a sensor that is classified as—

(A) an infra-red line-scanning device under category C of paragraph 1 of Article IV of the Open Skies Treaty; or

(B) a sideways-looking synthetic aperture radar under category D of paragraph 1 of Article IV of the Open Skies Treaty.

(4) OBSERVATION FLIGHT.—The term "observation flight" has the meaning given such term in Article II of the Open Skies Treaty.

(5) OPEN SKIES TREATY; TREATY.—The term "Open Skies Treaty" or "Treaty" means the Treaty on Open Skies, done at Helsinki March 24, 1992, and entered into force January 1, 2002.

(6) RELEVANT UNITED STATES GOVERNMENT OFFICIALS.—The term "relevant United States Government officials" means the following:

(A) The Secretary of Energy.

(B) The Secretary of Homeland Security.

(C) The Director of the Federal Bureau of Investigation.

(D) The Director of National Intelligence.

(E) The Commander of U.S. Strategic Command and the Commander of U.S. Northern Command in the case of an observation flight over the territory of the United States.

(F) The Commander of U.S. European Command in the case of an observation flight other than an observation flight described in subparagraph (E).

(7) SENSOR.—The term "sensor" has the meaning given such term in Article II of the Open Skies Treaty.

SEC. 1243. DETERMINATION REQUIRED REGARDING MATERIAL BREACH OF INF TREATY BY THE RUSSIAN FEDERATION.

(a) DETERMINATION REQUIRED.—Not later than January 15, 2019, the President shall submit to the appropriate congressional committees a determination whether—

(1) the Russian Federation is in material breach of its obligations under the INF Treaty; and

(2) the prohibitions set forth in Article VI of the INF Treaty remain binding on the United States as a matter of United States law.

(b) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the congressional defense committees; and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

(2) INF TREATY.—The term "INF Treaty" means the Treaty Between the United States of America and the Union of Soviet Socialist Republics on the Elimination of Their Intermediate-Range and Shorter-Range Missiles, commonly referred to as the "Intermediate-Range Nuclear Forces (INF) Treaty", signed at Washington December 8, 1987, and entered into force June 1, 1988.

SEC. 1244. COMPREHENSIVE RESPONSE TO THE RUSSIAN FEDERATION'S MATERIAL BREACH OF THE INF TREATY.

(a) SENSE OF CONGRESS.—It is the of Congress that—

(1) the actions undertaken by the Russian Federation in violation of the INF Treaty, including the flight-test, production, and possession of prohibited systems, have defeated the object and purpose of the INF Treaty, and thus constitute a material breach of the INF Treaty;

(2) in light of the Russian Federation's material breach of the INF Treaty, the United States is legally entitled to suspend the operation of the INF Treaty in whole or in part for so long as the Russian Federation continues to be in material breach of the INF Treaty; and

(3) for so long as the Russian Federation remains in violation of the INF Treaty, the United States should take actions to encourage the Russian Federation to return to compliance with the INF Treaty, including by—

(A) providing additional funds for the capabilities identified in section 1243(d) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1062) and the Intermediate-Range Nuclear Forces Treaty Preservation Act of 2017 (Public Law 115–91; 131 Stat. 1671); and

(B) seeking additional missile defense assets in the European theater needed to fill military capability gaps to protect United States and NATO forces from ground-launched missile systems of the Russian Federation that are in noncompliance with the INF Treaty.

(b) CERTIFICATION.—

(1) IN GENERAL.—Not later than November 1, 2018, the President shall submit to the appropriate congressional committees a certification as to whether each of the requirements described in paragraph (2) have been met.

(2) REQUIREMENTS DESCRIBED.—The requirements described in this paragraph are the following:

(A) Each requirement of section 1290 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2555; 22 U.S.C. 2593e) has been fully implemented and is continuing to be fully implemented.

(B) The President has notified the appropriate congressional committees under such section 1290 of the imposition of measures described in subsection (c) of such section with respect to each person identified in a report under subsection (a) of such section, including a detailed description of the imposition of all such measures.

(C) The President has submitted the report required by section 1244(c) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1674) (relating to report on plan to impose additional sanctions with respect to the Russian Federation).

(c) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the Select Committee on Intelligence, the Committee on Foreign Relations, the Committee on Armed Services, and the Committee on Appropriations of the Senate; and

(B) the Permanent Select Committee on Intelligence, the Committee on Foreign Affairs, the Committee on Armed Services, and the Committee on Appropriations of the House of Representatives.

(2) INF TREATY.—The term "INF Treaty" means the Treaty between the United States of America and the Union of Soviet Socialist Republics on the Elimination of Their Intermediate-Range and Shorter-Range Missiles, signed at Washington December 8, 1987, and entered into force June 1, 1988.

SEC. 1245. REPORT ON IMPLEMENTATION OF THE NEW START TREATY.

(a) REPORT.—Not later than December 31, 2018, the President shall—

(1) submit to the appropriate congressional committees a report as to whether—

(A) the President has raised the issue of covered Russian systems in the appropriate fora with the Russian Federation under Article V of the New START Treaty or otherwise; and

(B) if the President has raised the issue of covered Russian systems as described in subparagraph (A), the Russian Federation has responded to the United States as to whether the Russian Federation will agree to declare the covered Russian systems as strategic offensive arms or otherwise pursuant to the New START Treaty;

(2) notify the appropriate congressional committees as to whether the position of the Russian Federation threatens the viability of the New START Treaty or requires appropriate United States political, economic, or military responses; and

(3) submit to the congressional defense committees a report assessing the extent to which the nuclear modernization and infrastructure recapitalization programs of the Department of Defense and the National Nuclear Security Administration have met the requirements described in the resolution of ratification to accompany the New START Treaty, specifically the requirements described in subsections (a)(9), (a)(11), and (a)(13) of such resolution of ratification.

(b) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the congressional defense committees; and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

(2) COVERED RUSSIAN SYSTEMS.—The term "covered Russian systems" means the following:

(A) The heavy intercontinental missile system known as "Sarmat" or otherwise identified.

(B) An air-launched nuclear-powered cruise missile known as "X-101" or otherwise identified.

(C) An unmanned underwater vehicle known as "Status 6" or otherwise identified.

(D) The long-distance guided flight hypersonic weapons system known by "Avanguard" or otherwise identified.

(3) NEW START TREATY.—The term "New START Treaty" means the Treaty between the United States of America and the Russian Federation on Measures for the Further Reduction and Limitation of Strategic Offensive Arms, signed at Prague April 8, 2010, and entered into force February 5, 2011.

SEC. 1246. MODIFICATION AND EXTENSION OF UKRAINE SECURITY ASSISTANCE INITIATIVE.

Section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1068), as most recently amended by section 1234 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1659), is further amended—

(1) in subsection (b)—

(A) by striking paragraph (8);

(B) by redesignating paragraph (12) as paragraph (16);

(C) by redesignating paragraphs (9) through (11) and (13) through (15) as paragraphs (8) through (13), respectively;

(D) by inserting after paragraph (13) (as redesignated by subparagraph (C) of this paragraph) the following new paragraph:

"(14) Training required to maintain and employ systems and capabilities described in paragraphs (1) through (13).."; and

(E) by redesignating paragraph (16) (as redesignated by subparagraph (B) of this paragraph) as paragraph (15);

(2) in subsection (c)—

(A) in paragraph (1), by striking "50 percent of the funds available for fiscal year 2018 pursuant to subsection (f)(3)" and inserting "50 percent of the funds available for fiscal year 2019 pursuant to subsection (f)(4)";

(B) in paragraph (2)—

(i) by striking "The certification described" and inserting the following:

"(A) IN GENERAL.—The certification described";

(ii) by striking "in such areas" and all that follows through "defense industrial sector" and inserting "in such areas as described in subparagraph (B)";

(iii) by striking "subsection (a)." and inserting the following: "subsection (a).

"(B) AREAS DESCRIBED.—The areas described in this subparagraph are—

"(i) strengthening civilian control of the military;

"(ii) enhanced cooperation and coordination with Verkhovna Rada efforts to exercise oversight of the Ministry of Defense and military forces;

"(iii) increased transparency and accountability in defense procurement;

"(iv) improvement in transparency, accountability, sustainment, and inventory management in the defense industrial sector; and

"(v) protection of proprietary or sensitive technologies as such technologies relate to foreign military sales or transfers."; and

(iv) by striking "The certification shall" and inserting the following:

"(C) ASSESSMENT.—The certification shall";

(C) in paragraph (3), by striking "fiscal year 2018" and inserting "fiscal year 2019"; and

(D) by adding at the end the following new paragraph:

"(5) LETHAL ASSISTANCE.—Of the funds available for fiscal year 2019 pursuant to subsection (f)(4), $50,000,000 shall be available only for lethal assistance described in paragraphs (2) and (3) of subsection (b).";

(3) in subsection (f), by adding at the end the following:

"(4) For fiscal year 2019, $250,000,000."; and

(4) in subsection (h), by striking "December 31, 2020" and inserting "December 31, 2021".

SEC. 1247. EXTENSION OF LIMITATION ON MILITARY COOPERATION BETWEEN THE UNITED STATES AND THE RUSSIAN FEDERATION.

(a) EXTENSION.—Subsection (a) of section 1232 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2488), as amended by section 1231 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended in the matter preceding paragraph (1) by striking "fiscal year 2017 or 2018" and inserting "fiscal year 2017, 2018, or 2019".

(b) RULE OF CONSTRUCTION.—Such section is further amended—

(1) by redesignating subsection (e) as subsection (f); and

(2) by inserting after subsection (d) the following new subsection (e):

"(e) RULE OF CONSTRUCTION.—Nothing in subsection (a) shall be construed to limit bilateral military-to-military dialogue between

the United States and the Russian Federation for the purpose of reducing the risk of conflict.".

SEC. 1248. SENSE OF CONGRESS ON ENHANCING DETERRENCE AGAINST RUSSIAN AGGRESSION IN EUROPE.

(a) STATEMENT OF POLICY.—To protect the national security of the United States and fulfill the ironclad commitment of the United States to its obligations under the North Atlantic Treaty, it is the policy of the United States to pursue, in full coordination with the North Atlantic Treaty Organization (NATO), an integrated approach to strengthening the defense of allies and partners in Europe as part of a broader, long-term strategy backed by all elements of United States national power to deter and, if necessary, defeat Russian aggression.

(b) SENSE OF CONGRESS.—It is the sense of Congress that in order to strengthen the defense of United States allies and partners in Europe, the Secretary of Defense, in coordination with the Secretary of State and in consultation with the commander of United States European Command, should—

(1) prioritize the need for additional United States forward presence in Europe, especially increased forward-stationed combat enablers to enhance United States capability and capacity;

(2) review the balance of United States presence in Europe between rotationally deployed and forward-stationed forces to assure allies and partners in Europe and deter Russian aggression;

(3) support robust United States security cooperation with, and security assistance for, Estonia, Latvia, and Lithuania, including through continuous and enduring presence of United States forces, training and support activities of United States special operations forces, and increased joint training and exercises to deter aggression, promote interoperability, build resilience, and enable NATO to take collective action if required;

(4) continue rotational deployments of United States forces to southeastern Europe, including Romania and Bulgaria;

(5) support enhanced defense cooperation with Poland, including continued presence of United States forces in Poland and increased training, exercises, and other activities focused on improving effective joint response in a crisis;

(6) conduct exercises focused on demonstrating the capability to flow United States forces from the continental United States and surge forces from central to eastern Europe in a nonpermissive environment;

(7) focus training activities of United States forces in Europe, including joint training with allied forces, on operating against adversary cyber, electronic warfare, and information operations capabilities;

(8) support robust security sector assistance for Ukraine, including defensive lethal assistance, while promoting necessary reforms of the defense institutions of Ukraine;

(9) support robust security sector assistance for Georgia, including defensive lethal assistance, to strengthen the defense capabilities and readiness of Georgia, and improve interoperability with NATO forces;

(10) execute enhanced military-to-military engagement between the United States and the militaries of the countries of

the Western Balkans to promote interoperability with NATO, civilian control of the military, procurement reforms, and regional security cooperation;

(11) develop and implement a comprehensive security cooperation strategy that integrates support for allies and partners in Europe, especially the allies and partners most directly threatened by Russian aggression and malign influence; and

(12) in NATO or through other multilateral formats—

(A) promote reforms to accelerate the speed of decision and deployability within NATO;

(B) promote a more robust NATO defense planning process;

(C) pursue planning agreements with allies and partners in Europe on rules of engagement and arrangements for command and control, access, transit, and support in crisis situations, which occur prior to an invocation of Article 5 of the Washington Treaty by the North Atlantic Council;

(D) promote NATO operational readiness as a key element of alliance burden sharing alongside spending commitments made at the 2014 Wales Summit;

(E) explore transitioning the Baltic air policing mission of NATO to a Baltic air defense mission;

(F) support multilateral efforts to improve maritime domain awareness in the Baltic Sea;

(G) support enhanced NATO-European Union cooperation, especially with respect to capability development and defense planning;

(H) support coordinated NATO and European Union actions on expediting or waiving diplomatic clearances for the movement of United States and allied forces during contingencies;

(I) support cooperative investment frameworks that promote increased military mobility in Europe;

(J) expand cooperation and joint planning with allies and partners on intelligence, surveillance, and reconnaissance;

(K) promote efforts to improve the capability and readiness of NATO Standing Maritime Groups;

(L) encourage regular review and update of the Alliance Maritime Strategy of NATO to reflect the changing military balance in the Black Sea and increased military activity in the North Atlantic and Arctic Oceans;

(M) explore increasing the frequency, scale, and scope of NATO and other multilateral exercises in the Black Sea with the participation of Ukraine and Georgia;

(N) promote integration of United States Marines in Norway with the United Kingdom-led Joint Expeditionary Force to increase multilateral cooperation and interoperability between NATO and regional partners such as Sweden and Finland; and

(O) affirm support for the Open Door policy of NATO, including the eventual membership of Georgia in NATO.

Subtitle E—Matters Relating to the Indo-Pacific Region

SEC. 1251. NAME OF UNITED STATES INDO-PACIFIC COMMAND.

(a) IN GENERAL.—The combatant command known as the United States Pacific Command shall be known as the "United States Indo-Pacific Command". Any reference to the United States Pacific Command in any law, regulation, map, document, record, or other paper of the United States shall be considered to be a reference to the United States Indo-Pacific Command.

(b) CONFORMING AMENDMENTS.—

(1) ANNUAL REPORT ON NON-FEDERALIZED SERVICE NATIONAL GUARD PERSONNEL, TRAINING, AND EQUIPMENT REQUIREMENTS.—Section 10504 of title 10, United States Code, as amended by section 1071(a)(31), is further amended in subsection (c), as redesignated by such section, in paragraph (3)(H) by striking "United States Pacific Command" and inserting "United States Indo-Pacific Command".

(2) CONTRACTING WITH THE ENEMY.—Section 843(4) of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 10 U.S.C. 2302 note) is amended by striking "United States Pacific Command" and inserting "United States Indo-Pacific Command".

SEC. 1252. REDESIGNATION, EXPANSION, AND EXTENSION OF SOUTHEAST ASIA MARITIME SECURITY INITIATIVE.

(a) REDESIGNATION AS INDO-PACIFIC MARITIME SECURITY INITIATIVE.—

(1) IN GENERAL.—Subsection (a)(2) of section 1263 of the National Defense Authorization Act for Fiscal Year 2016 (10 U.S.C. 333 note) is amended by striking "the 'Southeast Asia Maritime Security Initiative'" and inserting "the 'Indo-Pacific Maritime Security Initiative'".

(2) CONFORMING AMENDMENT.—The heading of such section is amended to read as follows:

"SEC. 1263. INDO-PACIFIC MARITIME SECURITY INITIATIVE.".

(b) EXPANSION.—

(1) EXPANSION OF REGION TO RECEIVE ASSISTANCE AND TRAINING.—Subsection (a)(1) of such section is amended by inserting "and the Indian Ocean" after "South China Sea" in the matter preceding subparagraph (A).

(2) RECIPIENT COUNTRIES OF ASSISTANCE AND TRAINING GENERALLY.—Subsection (b) of such section is amended—

(A) in paragraph (2), by striking the comma at the end and inserting a period; and

(B) by adding at the end the following new paragraphs:

"(6) Bangladesh.

"(7) Sri Lanka.".

(3) COUNTRIES ELIGIBLE FOR PAYMENT OF CERTAIN INCREMENTAL EXPENSES.—Subsection (e)(2) of such section is amended by adding at the end the following new subparagraph:

"(D) India.".

(c) EXTENSION.—Subsection (h) of such section is amended by striking "September 30, 2020" and inserting "December 31, 2025".

SEC. 1253. REDESIGNATION AND MODIFICATION OF SENSE OF CONGRESS AND INITIATIVE FOR THE INDO-ASIA-PACIFIC REGION.

(a) REDESIGNATION.—

(1) IN GENERAL.—Section 1251 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended by striking "Indo-Asia-Pacific" each place it appears and inserting "Indo-Pacific".

(2) HEADING AMENDMENTS.—

(A) SECTION HEADING.—The heading of such section is amended to read as follows:

"SEC. 1251. SENSE OF CONGRESS AND INITIATIVE FOR THE INDO-PACIFIC REGION.".

(B) SUBSECTION HEADINGS.—Such section is further amended in the headings of subsections (b) and (f) by striking "INDO-ASIA-PACIFIC" and inserting "INDO-PACIFIC".

(b) MODIFICATION OF INITIATIVE.—Such section is further amended—

(1) in subsection (c)—

(A) by striking paragraphs (1) through (4) and inserting the following new paragraphs (1) through (4):

"(1) Activities to increase the rotational and forward presence, improve the capabilities, and enhance the posture of the United States Armed Forces in the Indo-Pacific region—

"(A) consistent with the National Defense Strategy; and

"(B) to the extent required to minimize the risk of execution of the contingency plans of the Department of Defense.

"(2) Activities to improve military and defense infrastructure, basing, logistics, and assured access in the Indo-Pacific region to enhance the responsiveness, survivability, and operational resilience of the United States Armed Forces in the Indo-Pacific region.

"(3) Activities to enhance the storage and pre-positioning in the Indo-Pacific region of equipment and munitions of the United States Armed Forces.

"(4) Bilateral and multilateral military training and exercises with allies and partner nations in the Indo-Pacific region."; and

(B) in paragraph (5)—

(i) in the matter preceding subparagraph (A), by striking "security capacity" and all that follows through "of allies" in subparagraph (B) and inserting "security capacity of allies"; and

(ii) by redesignating clauses (i) through (v) as subparagraphs (A) through (E), respectively, and indenting appropriately;

(2) in subsection (d), by striking "only";

(3) by amending subsection (e) to read as follows:

"(e) FIVE-YEAR PLAN FOR THE INDO-PACIFIC STABILITY INITIATIVE.—

"(1) PLAN REQUIRED.—

"(A) IN GENERAL.—Not later than March 1, 2019, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the appropriate congressional com-

mittees a future years plan on activities and resources of the Initiative.

"(B) APPLICABILITY.—The plan shall apply to the Initiative with respect to fiscal year 2020 and at least the four succeeding fiscal years.

"(2) ELEMENTS.—The plan required under paragraph (1) shall include each of the following:

"(A) A description of the objectives of the Initiative.

"(B) A description of the manner in which such objectives support implementation of the National Defense Strategy and reduce the risk of execution of the contingency plans of the Department of Defense by improving the operational resilience of United States forces in the Indo-Pacific region.

"(C) An assessment of the resource requirements to achieve such objectives.

"(D) An assessment of any additional rotational or permanently stationed United States forces in the Indo-Pacific region required to achieve such objectives.

"(E) An assessment of the logistics requirements, including force enablers, equipment, supplies, storage, and maintenance, to achieve such objectives.

"(F) An identification and assessment of required infrastructure investments to achieve such objectives, including potential infrastructure investments by host countries and new construction or upgrades of existing sites that would be funded by the United States.

"(G) An assessment of any new agreements, or changes to existing agreements, with other countries for assured access required to achieve such objectives.

"(H) An assessment of security cooperation investments required to achieve such objectives.

"(3) FORM.—The plan required under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.";

(4) by amending subsection (f) to read as follows:

"(f) INCLUSION IN BUDGET MATERIALS.—The Secretary of Defense shall include in the budget materials submitted by the Secretary in support of the budget of the President for fiscal year 2020 (submitted pursuant to section 1105 of title 31, United States Code) the plan required under paragraph (1)."; and

(5) by adding at the end the following new subsection:

"(g) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term 'appropriate congressional committees' means—

"(1) the congressional defense committees; and

"(2) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.".

SEC. 1254. ASSESSMENT OF AND REPORT ON GEOPOLITICAL CONDITIONS IN THE INDO-PACIFIC REGION.

(a) ASSESSMENT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall select and enter into an agreement with an entity independent of the

Department of Defense to conduct an assessment of the geopolitical conditions in the Indo-Pacific region that are necessary for the successful implementation of the National Defense Strategy.

(2) MATTERS TO BE INCLUDED.—The assessment required by paragraph (1) shall include a determination of the geopolitical conditions in the Indo-Pacific region, including any change in economic and political relations, that are necessary to support United States military requirements for forward defense, assured access, extensive forward basing, and alliance and partnership formation and strengthening in such region.

(b) REPORT.—Not later than 270 days after the date of the enactment of this Act, the independent entity selected under subsection (a) shall submit to the appropriate committees of Congress a report on the results of the assessment conducted under that subsection.

(c) DEPARTMENT OF DEFENSE SUPPORT.—The Secretary shall provide the independent entity selected under subsection (a) with timely access to appropriate information, data, resources, and analyses necessary for the independent entity to conduct the assessment required by that subsection in a thorough and independent manner.

(d) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1255. SENSE OF CONGRESS ON EXTENDED NUCLEAR DETERRENCE IN THE INDO-PACIFIC REGION.

It is the sense of Congress that—

(1) the nuclear program of the Democratic People's Republic of Korea poses a critical national security threat not only to the United States, but to the security and stability of the entire Indo-Pacific region, including South Korea, Japan, and Australia;

(2) the nuclear and conventional forces of the United States continue to play a fundamental role in deterring aggression against its interests and the interests of its allies in the Indo-Pacific region and beyond;

(3) the United States stands unwaveringly behind its treaty obligations and assurances, including those related to defense and extended nuclear deterrence, to South Korea, Japan, and Australia;

(4) the complete, verifiable, and irreversible denuclearization of the Democratic People's Republic of Korea remains a central foreign policy objective of the United States;

(5) the status of any denuclearization or end-of-conflict agreement with the Democratic People's Republic of Korea should not supersede such treaty obligations and assurances described in paragraph (3); and

(6) the presence of United States Forces on the Korean Peninsula should remain strong and enduring.

SEC. 1256. REINSTATEMENT OF REPORTING REQUIREMENTS WITH RESPECT TO UNITED STATES-HONG KONG RELATIONS.

Section 301 of the United States-Hong Kong Policy Act of 1992 (22 U.S.C. 5731) is amended—

(1) in the matter preceding paragraph (1)—

(A) by striking "Not later than" and inserting "(a) IN GENERAL.— Not later than";

(B) by striking "March 31, 1993" and all that follows through "March 31, 2006" and inserting "March 31, 2019, and annually thereafter through 2024,"; and

(C) by striking "transmit to the Speaker" and all that follows through "the Senate" and inserting "submit to the appropriate congressional committees"; and

(2) by adding at the end the following new subsections:

"(b) FORM.—The report required by subsection (a) shall be submitted in unclassified form and shall be published on a publicly available website of the Department of State.

"(c) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term 'appropriate congressional committees' means—

"(1) the Committee on Foreign Relations and the Committee on Armed Services of the Senate; and

"(2) the Committee on Foreign Affairs and the Committee on Armed Services of the House of Representatives.".

SEC. 1257. STRENGTHENING TAIWAN'S FORCE READINESS.

(a) DEFENSE ASSESSMENT.—The Secretary of Defense shall, in consultation with appropriate counterparts of Taiwan, conduct a comprehensive assessment of Taiwan's military forces, particularly Taiwan's reserves. The assessment shall provide recommendations to improve the efficiency, effectiveness, readiness, and resilience of Taiwan's self-defense capability in the following areas:

(1) Personnel management and force development, particularly reserve forces.

(2) Recruitment, training, and military programs.

(3) Command, control, communications and intelligence.

(4) Technology research and development.

(5) Defense article procurement and logistics.

(6) Strategic planning and resource management.

(b) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than 1 year after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the appropriate congressional committees a report containing each of the following:

(A) A summary of the assessment conducted pursuant to subsection (a).

(B) A list of any recommendations resulting from such assessment.

(C) A plan for the United States, including by using appropriate security cooperation authorities, to—

(i) facilitate any relevant recommendations from such list;

(ii) expand senior military-to-military engagement and joint training by the United States Armed Forces with the military of Taiwan; and

(iii) support United States foreign military sales and other equipment transfers to Taiwan, particularly for developing asymmetric warfare capabilities.

(2) APPROPRIATE SECURITY COOPERATION AUTHORITIES.—For purposes of the plan described in paragraph (1)(C), the term "appropriate security cooperation authorities" means—

(A) section 311 of title 10, United States Code (relating to exchange of defense personnel);

(B) section 332 such title (relating to defense institution building); and

(C) other security cooperation authorities under chapter 16 of such title.

(3) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this subsection, the term "appropriate congressional committees" means—

(A) the congressional defense committees; and

(B) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1258. SENSE OF CONGRESS ON TAIWAN.

It is the sense of Congress that—

(1) the Taiwan Relations Act (22 U.S.C. 3301 et seq.) and the "Six Assurances" are both cornerstones of United States relations with Taiwan;

(2) the United States should strengthen defense and security cooperation with Taiwan to support the development of capable, ready, and modern defense forces necessary for Taiwan to maintain a sufficient self-defense capability;

(3) the United States should strongly support the acquisition by Taiwan of defensive weapons through foreign military sales, direct commercial sales, and industrial cooperation, with a particular emphasis on asymmetric warfare and undersea warfare capabilities, consistent with the Taiwan Relations Act;

(4) the United States should improve the predictability of arms sales to Taiwan by ensuring timely review of and response to requests of Taiwan for defense articles and defense services;

(5) the Secretary of Defense should promote Department of Defense policies concerning exchanges that enhance the security of Taiwan, including—

(A) opportunities for practical training and military exercises with Taiwan; and

(B) exchanges between senior defense officials and general officers of the United States and Taiwan consistent with the Taiwan Travel Act (Public Law 115–135);

(6) the United States and Taiwan should expand cooperation in humanitarian assistance and disaster relief; and

(7) the Secretary of Defense should consider supporting the visit of a United States hospital ship to Taiwan as part of the annual "Pacific Partnership" mission in order to improve disaster response planning and preparedness as well as to strengthen cooperation between the United States and Taiwan.

SEC. 1259. PROHIBITION ON PARTICIPATION OF THE PEOPLE'S REPUBLIC OF CHINA IN RIM OF THE PACIFIC (RIMPAC) NAVAL EXERCISES.

(a) CONDITIONS FOR FUTURE PARTICIPATION IN RIMPAC.—

(1) IN GENERAL.—The Secretary of Defense shall not enable or facilitate the participation of the People's Republic of China in any Rim of the Pacific (RIMPAC) naval exercise unless the Secretary certifies to the congressional defense committees that China has—

(A) ceased all land reclamation activities in the South China Sea;

(B) removed all weapons from its land reclamation sites; and

(C) established a consistent four-year track record of taking actions toward stabilizing the region.

(2) FORM.—The certification under paragraph (1) shall be in unclassified form but may contain a classified annex as necessary.

(b) NATIONAL SECURITY WAIVER.—

(1) IN GENERAL.—The Secretary of Defense may waive the certification requirement under subsection (a) if the Secretary determines the waiver is in the national security interest of the United States and submits to the congressional defense committees a detailed justification for the waiver.

(2) FORM.—The justification required under paragraph (1) shall be in unclassified form but may contain a classified annex as necessary.

SEC. 1260. MODIFICATION OF ANNUAL REPORT ON MILITARY AND SECURITY DEVELOPMENTS INVOLVING THE PEOPLE'S REPUBLIC OF CHINA.

Section 1202(b) of the National Defense Authorization Act for Fiscal Year 2000 (10 U.S.C. 113 note) is amended—

(1) by redesignating paragraphs (6) through (16) and (17) through (23) as paragraphs (7) through (17) and (19) through (25), respectively;

(2) by inserting after paragraph (5) the following new paragraph (6):

"(6) China's overseas military basing and logistics infrastructure.";

(3) in paragraph (8), as so redesignated, by striking "including technology transfers and espionage" in the first sentence and inserting "including by espionage and technology transfers through investment, industrial espionage, cybertheft, academia, and other means";

(4) by inserting after paragraph (17), as so redesignated, the following new paragraph (18):

"(18) An assessment of relations between China and the Russian Federation with respect to security and military matters."; and

(5) by adding at the end the following new paragraphs:

"(26) The relationship between Chinese overseas investment, including initiatives such as the Belt and Road Initiative, and Chinese security and military strategy objectives.

"(27) Efforts by the Government of the People's Republic of China to influence the media, cultural institutions, business, and academic and policy communities of the United States to be more favorable to its security and military strategy and objectives.

"(28) Efforts by the Government of the People's Republic of China to use nonmilitary tools in other countries, including diplomacy and political coercion, information operations, and economic pressure, including predatory lending practices, to support its security and military objectives.".

SEC. 1261. UNITED STATES STRATEGY ON CHINA.

(a) STATEMENT OF POLICY.—Congress declares that long-term strategic competition with China is a principal priority for the United States that requires the integration of multiple elements of national power, including diplomatic, economic, intelligence, law enforcement, and military elements, to protect and strengthen national security.

(b) STRATEGY REQUIRED.—

(1) IN GENERAL.—Not later than March 1, 2019, the President shall submit to the appropriate congressional committees a report containing a whole-of-government strategy with respect to the People's Republic of China.

(2) ELEMENTS OF STRATEGY.—The strategy required by paragraph (1) shall include the following:

(A) Strategic assessments of and planned responses to address the following activities by the Chinese Communist Party:

(i) The use of political influence, information operations, censorship, and propaganda to undermine democratic institutions and processes, and the freedoms of speech, expression, press, and academic thought.

(ii) The use of intelligence networks to exploit open research and development.

(iii) The use of economic tools, including market access and investment to gain access to sensitive United States industries.

(iv) Malicious cyber activities.

(v) The use of investment, infrastructure, and development projects, such as China's Belt and Road Initiative, in Africa, Europe, Central Asia, South America, and the Indo-Pacific region, and the Polar Silk Road in the Arctic, as a means to gain access and influence.

(vi) The use of military activities, capabilities, and defense installations, and hybrid warfare methods, short of traditional armed conflict, against the United States or its allies and partners.

(B) Available or planned methods to enhance strategic communication to counter Chinese influence and promote United States interests.

(C) An identification of the key diplomatic, development, intelligence, military, and economic resources necessary to implement the strategy.

(D) A plan to maximize the coordination and effectiveness of such resources to counter the threats posed by the activities described in subparagraph (A).

(E) Available or planned interagency mechanisms for the coordination and implementation of the strategy.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(4) ANNUAL BUDGET SUBMISSION.—The President shall ensure that the annual budget submitted to Congress pursuant to section 1105 of title 31, United States Code, clearly highlights

the programs and projects proposed to be funded that relate to the strategy required by paragraph (1).

(5) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term "appropriage congressional committees" means—

(A) the Committee on Armed Services, the Committee on Foreign Relations, the Select Committee on Intelligence, the Committee on Finance, the Committee on Homeland Security and Governmental Affairs, the Committee on the Judiciary, the Committee on Commerce, Science, and Transportation, and the Committee on the Budget of the Senate; and

(B) the Committee on Armed Services, the Committee on Foreign Affairs, the Permanent Select Committee on Intelligence, the Committee on Financial Services, the Committee on Homeland Security, the Committee on the Judiciary, the Committee on Energy and Commerce, and the Committee on the Budget of the House of Representatives.

SEC. 1262. REPORT ON MILITARY AND COERCIVE ACTIVITIES OF THE PEOPLE'S REPUBLIC OF CHINA IN SOUTH CHINA SEA.

(a) IN GENERAL.—Except as provided in subsection (d), immediately after the commencement of any significant reclamation, assertion of an excessive territorial claim, or militarization activity by the People's Republic of China in the South China Sea, including any significant military deployment or operation or infrastructure construction, the Secretary of Defense, in coordination with the Secretary of State, shall submit to the appropriate congressional committees, and release to the public, a report on the military and coercive activities of China in the South China Sea in connection with such activity.

(b) ELEMENTS OF REPORT TO PUBLIC.—Each report on the commencement of a significant reclamation, an assertion of an excessive territorial claim, or a militarization activity under subsection (a) shall include a short narrative on, and one or more corresponding images of, such commencement of a significant reclamation, assertion of an excessive territorial claim, or militarization activity.

(c) FORM.—

(1) SUBMISSION TO CONGRESS.—Any report under subsection (a) that is submitted to the appropriate congressional committees shall be submitted in unclassified form, but may include a classified annex.

(2) RELEASE TO PUBLIC.—If a report under subsection (a) is released to the public, such report shall be so released in unclassified form.

(d) WAIVER.—

(1) RELEASE OF REPORT TO PUBLIC.—The Secretary of Defense may waive the requirement in subsection (a) for the release to the public of a report on the commencement of any significant reclamation, an assertion of an excessive territorial claim, or a militarization activity by the People's Republic of China in the South China Sea if the Secretary determines that the release to the public of a report on such activity under that subsection in the form required by subsection (c)(2) would have an adverse effect on the national security interests of the United States.

(2) NOTICE TO CONGRESS.—If the Secretary issues a waiver under paragraph (1) with respect to a report on an activity, not later than 48 hours after the Secretary issues such waiver, the Secretary shall submit to the appropriate congressional committees written notice of, and justification for, such waiver.

(e) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1263. REQUIREMENT FOR CRITICAL LANGUAGES AND EXPERTISE IN CHINESE, KOREAN, RUSSIAN, FARSI, AND ARABIC.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall—

(1) evaluate the operational requirements for members of the Armed Forces possessing foreign language expertise in critical languages, including Chinese, Korean, Russian, Farsi, and Arabic; and

(2) submit to the congressional defense committees a plan to address any shortfalls in these critical areas.

SEC. 1264. LIMITATION ON USE OF FUNDS TO REDUCE THE TOTAL NUMBER OF MEMBERS OF THE ARMED FORCES SERVING ON ACTIVE DUTY WHO ARE DEPLOYED TO THE REPUBLIC OF KOREA.

None of the funds authorized to be appropriated by this Act may be used to reduce the total number of members of the Armed Forces serving on active duty who are deployed to the Republic of Korea below 22,000 unless the Secretary of Defense first certifies to the congressional defense committees the following:

(1) Such a reduction is in the national security interest of the United States and will not significantly undermine the security of United States allies in the region.

(2) The Secretary has appropriately consulted with allies of the United States, including the Republic of Korea and Japan, regarding such a reduction.

SEC. 1265. REPORTS ON NUCLEAR CAPABILITIES OF THE DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA.

(a) BASELINE REPORT.—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, the Secretary of State, and the Secretary of Energy, shall submit to the appropriate committees of Congress a report on the status of the nuclear program of the Democratic People's Republic of Korea to establish a baseline of progress for negotiations with the Democratic People's Republic of Korea with respect to denuclearization.

(b) ELEMENTS.—The report required by subsection (a) shall include the following, to the extent known or suspected:

(1) A description of the location, quantity, capability, and operational status of the nuclear weapons and other weapons of mass destruction, including chemical and biological weapons, of the Democratic People's Republic of Korea.

(2) A description of the location of the research, development, production, and testing facilities, including covert facili-

ties, for the nuclear weapons and other weapons of mass destruction, including chemical and biological weapons, of the Democratic People's Republic of Korea.

(3) A description of the location, quantity, capability, and operational status of fixed ballistic missile launch sites, and assessments of capability and readiness of mobile land and at-sea launch platforms of the Democratic People's Republic of Korea.

(4) A description of the location of the ballistic missile manufacturing and assembly facilities of the Democratic People's Republic of Korea.

(5) An assessment of any intelligence gaps and confidence levels with respect to the information required by this subsection and verification or inspection measures that may fill such gaps.

(c) UPDATES.—

(1) IN GENERAL.—In the case of an agreement, not later than 60 days after the date on which the agreement is reached, and every 90 days thereafter, the report required by subsection (a) shall be augmented by a written update.

(2) ELEMENTS.—Each written update under paragraph (1) shall include the following for the preceding 90-day period:

(A) A description of the number of nuclear weapons, other weapons of mass destruction, including chemical and biological weapons, and ballistic missiles verifiably dismantled, destroyed, rendered permanently unusable, or transferred out of the Democratic People's Republic of Korea.

(B) An identification of the location of research, development, production, and testing facilities for nuclear weapons and other weapons of mass destruction, including chemical and biological weapons, in the Democratic People's Republic of Korea identified and verifiably dismantled, destroyed, or rendered permanently unusable.

(C) An identification of the location of ballistic missile manufacturing and assembly facilities in the Democratic People's Republic of Korea verifiably dismantled, destroyed, or rendered permanently unusable.

(D) A description of the number of nuclear weapons and ballistic missiles that remain in or under the control of the Democratic People's Republic of Korea.

(E) An assessment of the progress made in extending the breakout period required for the Democratic People's Republic of Korea to reconstitute its nuclear weapons program and build a nuclear weapon, as such progress relates to the information required by subparagraphs (A) through (D).

(d) VERIFICATION ASSESSMENT REPORT.—Not later than 180 days after the date on which the report required by subsection (a) is submitted, and every 180 days thereafter, the written update required under paragraph (1) of subsection (c) shall include, in addition to the information required by subparagraphs (A) through (E) of that subsection, the following for the preceding 180-day period:

(1) An assessment of the establishment of safeguards, other control mechanisms, and other assurances secured from the Democratic People's Republic of Korea to ensure the activities of

the Democratic People's Republic of Korea permitted under any agreement will not be used to further any nuclear-related military or nuclear explosive purpose, including research on or development of a nuclear explosive device.

(2) An assessment of the capacity of the United States or an international organization, including the International Atomic Energy Agency, to effectively access and investigate suspicious sites in the Democratic People's Republic of Korea or allegations of covert nuclear-related activities, including storage sites for nuclear weapons.

(e) APPLICABILITY.—Subsections (c) and (d) shall apply only in the case of an agreement.

(f) SUNSET.—The section shall cease to be effective on the date that is three years after the date of the enactment of this Act.

(g) DEFINITIONS.—In this section:

(1) AGREEMENT.—The term "agreement" means an interim or final agreement between the United States and the Democratic People's Republic of Korea with respect to the denuclearization of the Democratic People's Republic of Korea that includes a commitment by the Democratic People's Republic of Korea—

(A) to reduce the nuclear arsenal of the Democratic People's Republic of Korea; or

(B) to otherwise discontinue, reduce, or suspend the nuclear program of the Democratic People's Republic of Korea.

(2) APPROPRIATE COMMITTEES OF CONGRESS .—The term "appropriate committees of Congress" means—

(A) the Committee on Armed Services, the Select Committee on Intelligence, the Committee on Foreign Relations, and the Committee on Appropriations of the Senate; and

(B) the Committee on Armed Services, the Permanent Select Committee on Intelligence, the Committee on Foreign Affairs, and the Committee on Appropriations of the House of Representatives.

SEC. 1266. MODIFICATION OF REPORT REQUIRED UNDER ENHANCING DEFENSE AND SECURITY COOPERATION WITH INDIA.

Subsection (a)(2) of section 1292 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2559; 22 U.S.C. 2751 note) is amended—

(1) by striking "Not later than" and inserting the following:

"(A) IN GENERAL.—Not later than";

(2) by inserting "until December 31, 2021" after "annually thereafter"; and

(3) by striking the second sentence and inserting the following:

"(B) CONTENTS.—The report shall also include—

"(i) a forward-looking strategy with specific benchmarks for measurable progress toward enhancing India's status as a major defense partner and defense and security cooperation with India;

"(ii) a description of any limitations that hinder or slows progress in implementing the actions described in subparagraphs (A) through (L) of paragraph (1);

"(iii) a description of actions India is taking, or the actions the Secretary of Defense or the Secretary of

State believe India should take, to advance the relationship between the United States, including actions relating to subparagraphs (A) through (L) of paragraph (1);

"(iv) a description of the measures that can be taken by the United States and India to improve interoperability; and

"(v) a description of the progress made in enabling agreements between the United States and India.".

Subtitle F—Reports and Other Matters

SEC. 1271. MODIFICATION OF AUTHORITIES RELATING TO ACQUISITION AND CROSS-SERVICING AGREEMENTS.

(a) PROHIBITIONS.—Section 2342 of title 10, United States Code, is amended—

(1) by redesignating subsection (d) as subsection (f); and

(2) by inserting after subsection (c) the following new subsections (d) and (e):

"(d) The Secretary of Defense may not use an agreement with any government or an organization described in subsection (a)(1) to facilitate the transfer of logistic support, supplies, and services to any country or organization with which the Secretary has not signed an agreement described in subsection (a)(2).

"(e) An agreement described in subsection (a)(2) may not provide or otherwise constitute a commitment for the introduction of the armed forces into hostilities.".

(b) ANNUAL REPORTS.—Such section is further amended by adding at the end the following new subsection:

"(g) Not later than January 15 each year, the Secretary of Defense shall submit to the appropriate committees of Congress a report on acquisition and cross-servicing activities that sets forth, in detail, the following:

"(1) A list of agreements in effect pursuant to subsection (a)(1) during the preceding fiscal year.

"(2) The date on which each agreement listed under paragraph (1) was signed, and, in the case of an agreement with a country that is not a member of the North Atlantic Treaty Organization, the date on which the Secretary notified Congress pursuant to subsection (b)(2) of the designation of such country under subsection (a).

"(3) The total dollar amount and major categories of logistic support, supplies, and services provided during the preceding fiscal year under each such agreement.

"(4) The total dollar amount and major categories of reciprocal provisions of logistic support, supplies, and services received under each such agreement.

"(5) With respect to the calendar year during which the report is submitted, an assessment of the following:

"(A) The anticipated logistic support, supplies, and services requirements of the United States.

"(B) The anticipated requirements of other countries for United States logistic support, supplies, and services.".

(c) DEFINITIONS.—Such section is further amended—

(1) in subsection (b)(2), by striking "the Committee on Armed Services" the first place it appears and all that follows

through "the House of Representatives" and inserting "the appropriate committees of Congress"; and

(2) by adding at the end the following new subsection:

"(h) In this section, the term 'appropriate committees of Congress' means—

"(1) the Committee on Armed Services and the Committee on Foreign Relations of the Senate; and

"(2) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.".

SEC. 1272. UNITED STATES-ISRAEL COUNTERING UNMANNED AERIAL SYSTEMS COOPERATION.

(a) AUTHORITY TO COUNTER UNMANNED AERIAL SYSTEMS.—Section 1279(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 22 U.S.C. 8606 note), as most recently amended by section 1278 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1700), is further amended by inserting "and to establish capabilities for countering unmanned aerial systems" after "underground tunnels".

(b) LIMITATION ON FUNDING.—None of the funds authorized to be appropriated or otherwise made available by this Act to carry out the authority provided by the amendment made by subsection (a) may be obligated or expended until the date that is 15 days after the date on which the Secretary of Defense submits to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report describing the cooperation of the United States with Israel with respect to countering unmanned aerial systems pursuant to the authority granted by such amendment that includes each of the following:

(1) An identification of specific capability gaps of the United States and Israel with respect to countering unmanned aerial systems.

(2) An identification of cooperative projects that would address those capability gaps and mutually benefit and strengthen the security of the United States and Israel.

(3) An assessment of the projected cost for research and development efforts for such cooperative projects, including an identification of those to be conducted in the United States, and the timeline for the completion of each such project.

(4) The extent to which the capability gaps of the United States identified pursuant to paragraph (1) are not likely to be addressed through the cooperative projects identified pursuant to paragraph (2).

(5) An assessment of the projected costs for procurement and fielding of any capabilities developed jointly, pursuant to the authority granted by the amendment made by subsection (a).

SEC. 1273. ENHANCEMENT OF U.S.-ISRAEL DEFENSE COOPERATION.

(a) EXTENSION OF WAR RESERVES STOCKPILE AUTHORITY.—Section 12001(d) of the Department of Defense Appropriations Act, 2005 (Public Law 108–287; 118 Stat. 1011) is amended by striking "after September 30, 2018" and inserting "after September 30, 2023".

(b) JOINT ASSESSMENT OF QUANTITY OF PRECISION GUIDED MUNITIONS FOR USE BY ISRAEL.—

(1) IN GENERAL.—The President is authorized to conduct a joint assessment with the Government of Israel with respect to the matters described in paragraph (2).

(2) MATTERS DESCRIBED.—The matters described in this paragraph are the following:

(A) The quantity and type of precision guided munitions that are necessary for Israel to combat Hezbollah in the event of a sustained armed confrontation between Israel and Hezbollah.

(B) The quantity and type of precision guided munitions that are necessary for Israel in the event of a sustained armed confrontation with other armed groups and terrorist organizations, such as Hamas.

(C) The resources the Government of Israel would need to dedicate to acquire such precision guided munitions.

(D) United States planning to assist Israel to prepare for a sustained armed confrontation described in subparagraph (A) or (B), as well as the ability of the United States to resupply Israel in the event of such a confrontation.

(E) The current United States inventory of the precision guided munitions described in subparagraphs (A) and (B), and whether such inventory meets the United States total munitions requirement.

(c) REPORT.—

(1) IN GENERAL.—Not later than 15 days after the date on which the joint assessment authorized under subsection (b) is completed, the President shall submit to the appropriate congressional committees a report that contains the joint assessment.

(2) FORM.—The report required under paragraph (1) shall be submitted in unclassified form, but may contain a classified annex.

(3) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term "appropriate congressional committees" means—

(A) the Committee on Foreign Relations and the Committee on Armed Services of the Senate; and

(B) the Committee on Foreign Affairs and the Committee on Armed Services of the House of Representatives.

SEC. 1274. REVIEW TO DETERMINE WHETHER THE ARMED FORCES OR COALITION PARTNERS OF THE UNITED STATES VIOLATED FEDERAL LAW OR DEPARTMENT OF DEFENSE POLICY WHILE CONDUCTING OPERATIONS IN YEMEN.

(a) IN GENERAL.—The Secretary of Defense shall conduct a review to determine whether the Armed Forces or coalition partners of the United States violated Federal law, the laws of armed conflict, or Department of Defense policy while conducting operations in Yemen.

(b) MATTERS TO BE INCLUDED.—The review required under subsection (a) shall also seek to determine the following:

(1) Whether the Armed Forces interrogated Yemeni citizens in prisons within Yemen or provided questions to any United States coalition partner for use in such interrogations, and

whether such interrogations or actions were consistent with United States law and policy.

(2) Whether the Armed Forces violated the prohibitions of section 362 of title 10, United States Code, while conducting operations in Yemen.

(3) Whether any United States coalition partner committed gross violations of internationally recognized human rights while conducting operations in Yemen that would make such coalition partner ineligible for any training, equipment, or other assistance for a unit of a foreign security force under section 362 of title 10, United States Code.

(4) Whether a waiver or exception has been granted to any United States coalition partner under section 362 of title 10, United States Code, while conducting operations in Yemen.

(c) REPORT.—

(1) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives a report that contains—

(A) the findings from the review required under subsection (a);

(B) an analysis of—

(i) the detention and interrogation policies and guidance of the Department of Defense; and

(ii) the application of such policies and guidance to the detention and interrogation operations of allies and partners that are supported by the United States;

(C) an assessment of United States responsibilities and obligations under Federal law, the laws of armed conflict, relevant treaties and agreements, and any other applicable law relating to the treatment of detainees held by allies or partners with United States support;

(D) an assessment of any applicable policy requirements or considerations in addition to such responsibilities and obligations;

(E) an assessment of the compliance standards and enforcement mechanisms associated with such responsibilities, obligations, policy requirements, or considerations;

(F) a description of any assurances required to be obtained from allies and partners with respect to the treatment of detainees in custody when the United States is involved in the capture or interrogation of such detainees, including the manner in which and level at which such assurances are provided;

(G) a description of the means by which the Department of Defense determines whether allies and partners comply with such assurances;

(H) an explanation of the extent to which United States support for the detention and interrogation operations of allies and partners is conditioned on their compliance with such assurances; and

(I) a description of the procedures used to report violations of detainee treatment standards, including procedures

relating to violations occurring at facilities operated by allied or partner countries.

(2) FORM.—The report required under this section shall be submitted in unclassified form, but may contain a classified annex.

(d) DEFINITIONS.—In this subsection:

(1) COALITION PARTNER.—The term "coalition partner" has the meaning given such term in paragraph (3) of section 948a of title 10, United States Code.

(2) GROSS VIOLATIONS OF INTERNATIONALLY RECOGNIZED HUMAN RIGHTS.—The term "gross violations of internationally recognized human rights" has the meaning given such term in subsection (d)(1) of section 502B of the Foreign Assistance Act of 1961 (22 U.S.C. 2304).

SEC. 1275. REPORT ON UNITED STATES GOVERNMENT SECURITY COOPERATION AND ASSISTANCE PROGRAMS WITH MEXICO.

(a) REPORT REQUIRED.—Not later than July 1, 2019, the Secretary of Defense and Secretary of State shall submit to the appropriate congressional committees a report on United States Government programs relating to security cooperation with and assistance to Mexico.

(b) ELEMENTS.—The report required under subsection (a) shall include the following:

(1) A description of United States national security interests in Mexico.

(2) A description of the security environment in Mexico, including descriptions of the threats to United States interests posed by violence related to drug trafficking and cartel activity.

(3) A description of all United States security cooperation and assistance programs in Mexico, including descriptions of the purpose, objectives, and type of training, equipment, or assistance provided, the lead agency with responsibility for each such program, and how such programs advance the nationals security interests of the United States.

(4) A description of the cost, scope, size, and components of such programs for fiscal years 2017 and 2018, including for each such program the following:

(A) The purpose and objectives of the program.

(B) The authority or authorities under which the program is conducted.

(C) The types of units receiving assistance, including components of the Mexican Armed Forces, national police, gendarmerie, counternarcotics police, counterterrorism police, Formed Police Units, border security, and customs.

(D) The funding and personnel levels for the program in each such fiscal year, future year costs, including sustainment costs, over the next five fiscal years, and any required increases of capacity to support the program, as appropriate.

(E) The extent to which the program is implemented by contractors or United States Government personnel.

(F) The metrics for assessing the effectiveness of such training, equipment, or assistance provided.

(5) An evaluation of the appropriate role of United States Government departments and agencies in carrying out and coordinating such programs.

(6) An evaluation of the appropriate role of contractors in carrying out such programs, and what modifications, if any, are needed to improve oversight of such contractors.

(7) Any other matters determined appropriate by the Secretary of Defense and Secretary of State.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term "appropriate congressional committees" means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Relations, the Committee on Homeland Security and Governmental Affairs, and the Committee on the Judiciary of the Senate and the Committee on Foreign Affairs, the Committee on Homeland Security, and the Committee on the Judiciary of the House of Representatives.

SEC. 1276. REPORT ON DEPARTMENT OF DEFENSE MISSIONS, OPERATIONS, AND ACTIVITIES IN NIGER.

(a) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation as appropriate with the Secretary of State, shall submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report on the missions, operations, and activities of the Department of Defense in Niger that includes the following:

(A) A description of the objectives and the associated lines of efforts of the Department in Niger, and the benchmarks for assessing progress toward such objectives.

(B) A description of the timeline for achieving such objectives in Niger.

(C) A justification of the relevance of such objectives in Niger to the national security of the United States and to the objectives in the National Defense Strategy.

(D) A description of steps the Department is taking to ensure that security cooperation in Niger is effectively coordinated with the diplomatic and development activities of the Department of State and the United States Agency for International Development.

(E) Consistent with the report required by section 1212 of this Act, a description of the legal, operational, and funding authorities relating to the lines of effort of the Department in Niger.

(F) An identification of measures to mitigate operational risk to and increase the preparedness of members of the Armed Forces conducting missions, operations, or activities in Niger.

(G) An assessment of the command and support relationships of United States Africa Command with subordinate commands associated with missions, operations, and activities in Niger, including Special Operations Command Africa.

(H) A description of each recommendation included the Army Regulation 15-6 investigation report conducted by

United States Africa Command regarding the incident in Niger on October 4, 2017, the current implementation status of such recommendation, and a projected implementation timeline for any recommendation not yet implemented or a justification for not implementing such recommendation.

(I) An identification of the measures taken, consistent with such investigation report, to mitigate risk to and increase the preparedness of members of the Armed Forces conducting missions, operations, or activities in Niger and throughout Africa.

(J) Any other matter the Secretary determines to be appropriate.

(2) SCOPE OF REPORT.—The report required by paragraph (1) may also include information with respect to United States missions, operations, and activities in other countries in the region, as appropriate.

(b) FORM.—The report required by subsection (a)(1) shall be submitted in unclassified form but may contain a classified annex.

SEC. 1277. REPORT ON THE SECURITY RELATIONSHIP BETWEEN THE UNITED STATES AND THE REPUBLIC OF CYPRUS.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of State shall jointly submit to the appropriate congressional committees a report on the security relationship between the United States and the Republic of Cyprus.

(b) ELEMENTS.—The report required by subsection (a) shall include the following:

(1) A description of ongoing military and security cooperation between the United States and the Republic of Cyprus.

(2) A discussion of potential steps for enhancing the bilateral security relationship between the United States and the Republic of Cyprus, including steps to enhance the military and security capabilities of the Republic of Cyprus.

(3) An analysis of the effectiveness of the United States arms embargo policy to deny applications for licenses and other approvals for the export of defense articles and defense services to the armed forces of the Republic of Cyprus, and the impact of such United States policy on—

(A) the bilateral security relationship between the United States and the Republic of Cyprus; and

(B) the ability of the United States and partners of the United States to achieve shared security objectives in the Eastern Mediterranean region.

(4) An analysis of the extent to which such United States policy is consistent with overall United States security and policy objectives in the Eastern Mediterranean region.

(5) An assessment of the potential impact of lifting such United States policy on United States interests relating to the Republic of Cyprus and the Eastern Mediterranean region.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1278. SENSE OF CONGRESS ON DETENTION OF UNITED STATES CITIZENS BY THE GOVERNMENT OF THE REPUBLIC OF TURKEY.

It is the sense of Congress that—

(1) the Government of the Republic of Turkey continues to unlawfully and wrongfully detain United States citizens, including Andrew Brunson and Serkan Golge, and staff of United States missions in the Republic of Turkey; and

(2) consistent with the obligations of the Government of the Republic of Turkey under the North Atlantic Treaty, which commits North Atlantic Treaty Organization allies to safeguard "the principles of democracy, individual liberty, and the rule of law", the Government of the Republic of Turkey should immediately release all United States citizens who have been wrongfully detained and resolve such cases in a timely, fair, and transparent manner.

SEC. 1279. TECHNICAL AMENDMENTS RELATED TO NATO SUPPORT AND PROCUREMENT ORGANIZATION AND RELATED NATO AGREEMENTS.

(a) TITLE 10, UNITED STATES CODE.—Section 2350d of title 10, United States Code, is amended—

(1) by striking "NATO Support Organization" each place it appears and inserting "NATO Support and Procurement Organization";

(2) by striking "Support Partnership Agreement" each place it appears and inserting "Support or Procurement Partnership Agreement"; and

(3) in subsection (a)(1), by striking "Support Partnership Agreements" and inserting "Support or Procurement Partnership Agreements".

(b) ARMS EXPORT CONTROL ACT.—Section 21(e)(3) of the Arms Export Control Act (22 U.S.C. 2761(e)(3)) is amended—

(1) in subparagraph (A)—

(A) in the matter preceding clause (i), by striking "North Atlantic Treaty Organization (NATO) Support Organization" and inserting "North Atlantic Treaty Organization (NATO) Support and Procurement Organization"; and

(B) in clause (i), by striking "support partnership agreement" and inserting "support or procurement partnership agreement"; and

(2) in subparagraph (C)(i), in the matter preceding subclause (I)—

(A) by striking "'weapon system partnership agreement'" and inserting "'support or procurement partnership agreement'"; and

(B) by striking "North Atlantic Treaty Organization (NATO) Support Organization" and inserting "North Atlantic Treaty Organization (NATO) Support and Procurement Organization".

SEC. 1280. REPORT ON PERMANENT STATIONING OF UNITED STATES FORCES IN THE REPUBLIC OF POLAND.

(a) IN GENERAL.—Not later than March 1, 2019, the Secretary of Defense, in coordination with the Secretary of State, shall submit to the congressional defense committees a report on the feasibility and advisability of permanently stationing United States forces in the Republic of Poland.

(b) ELEMENTS.—The report required by subsection (a) shall include the following:

(1) An assessment of the types of permanently stationed United States forces in Poland required to deter aggression by the Russian Federation and execute Department of Defense contingency plans, including combat enabler units in capability areas such as—

(A) combat engineering;

(B) logistics and sustainment;

(C) warfighting headquarters elements;

(D) long-range fires;

(E) air and missile defense;

(F) intelligence, surveillance, and reconnaissance; and

(G) electronic warfare.

(2) An assessment of the feasibility and advisability of permanently stationing a United States Army brigade combat team in the Republic of Poland that includes the following:

(A) An assessment whether a permanently stationed United States Army brigade combat team in Poland would enhance deterrence against Russian aggression in Eastern Europe.

(B) An assessment of the actions the Russian Federation may take in response to a United States decision to permanently station a brigade combat team in Poland.

(C) An assessment of the international political considerations of permanently stationing such a brigade combat team in Poland, including within the North Atlantic Treaty Organization (NATO).

(D) An assessment whether such a brigade combat team in Poland would support implementation of the National Defense Strategy.

(E) A description and assessment of the manner in which such a brigade combat team in Poland would affect the ability of the Joint Force to execute Department of Defense contingency plans in Europe.

(F) A description and assessment of the manner in which such a brigade combat team in Poland would affect the ability of the Joint Force to respond to a crisis inside the territory of a North Atlantic Treaty Organization ally that occurs prior to the invocation of Article 5 of the Washington Treaty by the North Atlantic Council.

(G) An identification and assessment of—

(i) potential locations in Poland for stationing such a brigade combat team;

(ii) the logistics requirements, including force enablers, equipment, supplies, storage, and maintenance, that would be required to support such a brigade combat team in Poland;

(iii) infrastructure investments by the United States and Poland, including new construction or upgrades of existing sites, that would be required to support such a brigade combat team in Poland;

(iv) any new agreements, or changes to existing agreements, between the United States and Poland that would be required for a such a brigade combat team in Poland;

(v) any changes to the posture or capabilities of the Joint Force in Europe that would be required to support such a brigade combat team in Poland; and

(vi) the timeline required to achieve the permanent stationing of such a brigade combat team in Poland.

(H) An assessment of the willingness and ability of the Government of Poland to provide host nation support for such a brigade combat team.

(I) An assessment whether future growth in United States Army end strength may be used to source additional forces for such a brigade combat team in Poland.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1281. REPORT ON STRENGTHENING NATO CYBER DEFENSE.

(a) IN GENERAL.—Not later than March 31, 2019, the Secretary of Defense shall submit to the congressional defense committees a report detailing the Department's efforts to enhance the United States' leadership and collaboration with the North Atlantic Treaty Organization with respect to the development of a comprehensive, cross-domain strategy to build cyber-defense capacity and deter cyber attacks among Organization member countries.

(b) CONTENTS.—The report required by subsection (a) shall address the following:

(1) Improving cyber situational awareness among Organization member countries.

(2) Implementation of the cyber operational-domain roadmap of the Organization with respect to doctrine, political oversight and governance, planning, rules of engagement, and integration across Organization member countries.

(3) Planned cooperative efforts to combat information warfare across Organization member countries.

(4) The development of cyber capabilities, including cooperative development efforts and technology transfer.

(5) Supporting stronger cyber partnerships with non-Organization member countries, as appropriate.

SEC. 1282. REPORT ON STATUS OF THE UNITED STATES RELATIONSHIP WITH THE REPUBLIC OF TURKEY.

(a) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the appropriate congressional committees a report on the status of the United States relationship with the Republic of Turkey.

(2) MATTERS TO BE INCLUDED.—The report required under this subsection shall include the following:

(A) An assessment of United States military and diplomatic presence in the Republic of Turkey, including all military activities conducted from Incirlik Air Base or elsewhere.

(B) An assessment of the potential purchase by the Government of the Republic of Turkey of the S-400 air and missile defense system from the Russian Federation and the potential effects of such purchase on the United States-Turkey bilateral relationship, including an assessment of impacts on other United States weapon systems and platforms operated jointly with the Republic of Turkey to include—

(i) the F–35 Lightning II Joint Strike aircraft, including an assessment of the operational and counter-intelligence risks posed by the deployment of the S-400 air and missile defense system in the Republic of Turkey and the steps required to mitigate those risks, if possible;

(ii) the Patriot surface-to-air missile system;

(iii) the CH–47 Chinook heavy lift helicopter;

(iv) the AH–64 Attack helicopter;

(v) the H–60 Black Hawk utility helicopter; and

(vi) the F–16 Fighting Falcon aircraft.

(C) An assessment of the Republic of Turkey's participation in the F–35 program, including—

(i) a description of industrial participation of Turkish industry in the manufacturing and assembly of the F–35 program;

(ii) an assessment of tooling and other manufacturing materials held by Turkish industry; and

(iii) an assessment of the impacts of a significant change in participation by the Republic of Turkey in the F–35 program and the steps that would be required to mitigate negative impacts of such a change on the United States and other international program partners.

(D) An identification of potential alternative air and missile defense systems that could be purchased by the Government of the Republic of Turkey, including air and missile defense systems operated by the United States or other North Atlantic Treaty Organization (NATO) member states.

(3) FORM.—The report required under this subsection shall be submitted in unclassified form, but may include a classified annex.

(b) LIMITATION.—The Department of Defense may not deliver any F–35 aircraft to the Republic of Turkey, until such time as the report identified in subsection (a) has been submitted.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the congressional defense committees; and

(2) the Committee on Foreign Relations of the Senate and Committee on Foreign Affairs of the House of Representatives.

SEC. 1283. SENSE OF THE CONGRESS CONCERNING MILITARY-TO-MILITARY DIALOGUES.

It is the sense of Congress that—

(1) military-to-military dialogues, including in the case of allies, partners, and adversaries and potential adversaries, can be a useful and important tool for advancing United States national security objectives in a complex, interactive, and dynamic security environment;

(2) frameworks for military-to-military dialogues should be flexible and adaptable to such a security environment and should be informed by national security guidance, such as the 2017 National Security Strategy and the 2018 National Defense Strategy; and

(3) military-to-military dialogues can and should be reliable, enduring, and tailorable based on circumstance, so that such dialogues can be trusted and available when needed, particularly amid escalating tensions.

SEC. 1284. MODIFICATIONS TO GLOBAL ENGAGEMENT CENTER.

Section 1287 of the National Defense Authorization Act for Fiscal Year 2017 (22 U.S.C. 2656 note) is amended—

(1) by amending paragraph (2) of subsection (a) to read as follows:

"(2) PURPOSE.—The purpose of the Center shall be to direct, lead, synchronize, integrate, and coordinate efforts of the Federal Government to recognize, understand, expose, and counter foreign state and foreign non-state propaganda and disinformation efforts aimed at undermining or influencing the policies, security, or stability of the United States and United States allies and partner nations.";

(2) in subsection (b)—

(A) by amending paragraph (1) to read as follows:

"(1) Direct, lead, synchronize, integrate, and coordinate interagency and international efforts to track and evaluate counterfactual narratives abroad that threaten the policies, security, or stability of the United States and United States allies and partner nations.";

(B) by amending paragraph (4) to read as follows:

"(4) Identify current and emerging trends in foreign propaganda and disinformation in order to coordinate and shape the development of tactics, techniques, and procedures to expose and refute foreign propaganda and disinformation, and pro-actively support the promotion of credible, fact-based narratives and policies to audiences outside the United States.";

(C) by redesignating paragraphs (6) through (10) as paragraphs (7) through (11), respectively;

(D) by inserting after paragraph (5) the following new paragraph:

"(6) Measure and evaluate the activities of the Center, including the outcomes of such activities, and implement mechanisms to ensure that the activities of the Center are updated to reflect the results of such measurement and evaluation."; and

(E) by amending paragraph (8), as so redesignated, to read as follows:

"(8) Use information from appropriate interagency entities to identify the countries, geographic areas, and populations most susceptible to propaganda and disinformation, as well as the countries, geographic areas, and populations in which such

propaganda and disinformation is likely to cause the most harm.";

(3) in subsection (d), by amending paragraphs (1) and (2) to read as follows:

"(1) DETAILEES AND ASSIGNEES.—Any Federal Government employee may be detailed or assigned to the Center with or without reimbursement, consistent with applicable laws and regulations regarding such employee, and such detail or assignment shall be without interruption or loss of status or privilege.

"(2) TEMPORARY PERSONNEL.—The Secretary of State should, when hiring temporary United States citizen personnel, preference the use of Foreign Service limited appointments both in the United States and abroad in accordance with section 309 of the Foreign Service Act of 1980 (22 U.S.C. 3949). The Secretary may hire United States citizens or aliens, as appropriate, including as personal services contractors, for purposes of personnel resources of the Center, if—

"(A) the Secretary determines that existing personnel resources or expertise are insufficient;

"(B) the period in which services are provided by a personal services contractor, including options, does not exceed 3 years, unless the Secretary determines that exceptional circumstances justify an extension of up to one additional year;

"(C) not more than 50 United States citizens or aliens are employed as personal services contractors under the authority of this paragraph at any time; and

"(D) the authority of this paragraph is only used to obtain specialized skills or experience or to respond to urgent needs.";

(4) in subsection (e), by amending paragraphs (1) and (2) to read as follows:

"(1) IN GENERAL.—For each of fiscal years 2019 and 2020, the Secretary of Defense is authorized to transfer, from amounts appropriated to the Secretary pursuant to the authorization under this Act, to the Secretary of State not more than $60,000,000, to carry out the functions of the Center.

"(2) NOTICE REQUIREMENT.—The Secretary of Defense shall notify the Committee on Armed Services, the Committee on Appropriations, and the Committee on Foreign Relations of the Senate and the Committee on Armed Services, the Committee on Appropriations, the Committee on Foreign Affairs, and the Committee on Oversight and Government Reform of the House of Representatives of a proposed transfer under paragraph (1) not less than 15 days prior to making such transfer.";

(5) in subsection (f), by amending paragraphs (1) and (2) to read as follows:

"(1) AUTHORITY FOR GRANTS.—The Center is authorized to provide grants or contracts of financial support to civil society groups, media content providers, nongovernmental organizations, federally funded research and development centers, private companies, or academic institutions for the following purposes:

"(A) To support local entities and linkages among such entities, including independent media entities, that are best

positioned to refute foreign propaganda and disinformation in affected communities.

"(B) To collect and store examples of print, online, and social media disinformation and propaganda directed at the United States or United States allies and partner nations.

"(C) To analyze and report on tactics, techniques, and procedures of foreign information warfare and other efforts with respect to disinformation and propaganda.

"(D) To support efforts by the Center to counter efforts by foreign entities to use disinformation and propaganda to undermine or influence the policies, security, and social and political stability of the United States and United States allies and partner nations.

"(2) FUNDING AVAILABILITY AND LIMITATIONS.—The Secretary of State shall provide that each entity that receives funds under this subsection is selected in accordance with the relevant existing regulations through a process that ensures such entity has the credibility and capability to carry out effectively and in accordance with United States interests and objectives the purposes specified in paragraph (1) for which such entity received such funding.";

(6) by redesignating subsections (h) and (i) as subsections (i) and (j), respectively; and

(7) by inserting after subsection (g) the following new subsection:

"(h) CONGRESSIONAL BRIEFINGS.—The Secretary of State, together with the heads of other relevant Federal departments and agencies, shall provide a briefing to the Committee on Armed Services, the Committee on Appropriations, and the Committee on Foreign Relations of the Senate and the Committee on Armed Services, the Committee on Appropriations, the Committee on Foreign Affairs, and the Committee on Oversight and Government Reform of the House of Representatives not less often than annually regarding the activities of the Global Engagement Center. The briefings required under this subsection shall terminate on the date specified in subsection (j).".

SEC. 1285. SENSE OF CONGRESS ON COUNTERING HYBRID THREATS AND MALIGN INFLUENCE.

It is the sense of Congress that the Secretary of Defense and the Secretary of State should—

(1) work together to build and lead an international effort among like-minded democratic countries to increase awareness of and resilience to the Kremlin's malign influence operations; and

(2) urgently prioritize submission of the report required by section 1239A(d) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1671) on a comprehensive strategy to counter malign activities of Russia.

SEC. 1286. INITIATIVE TO SUPPORT PROTECTION OF NATIONAL SECURITY ACADEMIC RESEARCHERS FROM UNDUE INFLUENCE AND OTHER SECURITY THREATS.

(a) INITIATIVE REQUIRED.—The Secretary of Defense shall, in consultation with other appropriate government organizations, es-

tablish an initiative to work with academic institutions who perform defense research and engineering activities—

(1) to support protection of intellectual property, controlled information, key personnel, and information about critical technologies relevant to national security;

(2) to limit undue influence, including through foreign talent programs, by countries to exploit United States technology within the Department of Defense research, science and technology, and innovation enterprise; and

(3) to support efforts toward development of domestic talent in relevant scientific and engineering fields.

(b) INSTITUTIONS AND ORGANIZATIONS.—

(1) IN GENERAL.—The initiative required by subsection (a) shall be developed and executed to the maximum extent practicable with academic research institutions and other educational and research organizations.

(2) RECORD OF EXCELLENCE.—In selecting research institutions of higher education under this subsection, the Secretary shall prioritize selection of institutions of higher education that the Secretary determines demonstrate a record of excellence in industrial security in academia and in research and development.

(c) REQUIREMENTS.—The initiative required by subsection (a) shall include development of the following:

(1) Information exchange forum and information repositories to enable awareness of security threats and influence operations being executed against the United States research, technology, and innovation enterprise.

(2) Training and other support for academic institutions to promote security and limit undue influence on institutions and personnel, including financial support for execution for such activities.

(3) The capacity of government and academic institutions and institutions of higher education to assess whether individuals affiliated with Department of Defense programs have participated in or are currently participating in foreign talent programs or expert recruitment programs.

(4) Opportunities to collaborate with defense researchers and research organizations in secure facilities to promote protection of critical information and strengthen defense against foreign intelligence services.

(5) Regulations and procedures—

(A) for government and academic organizations and personnel to support the goals of the initiative; and

(B) that are consistent with policies that protect open and scientific exchange in fundamental research.

(6) Policies to limit or prohibit funding provided by the Department of Defense for institutions or individual researchers who knowingly violate regulations developed under the initiative, including regulations relating to foreign talent programs.

(7) Initiatives to support the transition of the results of academic institution research programs into defense capabilities.

(d) BRIEFING.—Not later than 120 days after the date of the enactment of this Act, the Secretary shall provide a briefing to the congressional defense committees on the following:

(1) Ongoing implementation of the initiative required by subsection (a).

(2) The development of a definition for "foreign talent programs" for the purposes of the initiative.

(3) The preliminary results of the report required by subsection (e).

(e) REPORT.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the activities carried out under the initiative required by subsection (a).

(2) CONTENTS.—The report required by paragraph (1) shall include the following:

(A) A description of the activities conducted and the progress made under the initiative.

(B) The findings of the Secretary with respect to the initiative.

(C) Such recommendations as the Secretary may have for legislative or administrative action relating to the matters described in subsection (a), including actions related to foreign talent programs.

(D) Identification and discussion of the gaps in legal authorities that need to be improve to enhance the security of research institutions of higher education performing defense research.

(E) A description of the actions taken by such institutions to comply with such best practices and guidelines as may be established by under the initiative.

(3) FORM.—The report submitted under paragraph (1) shall be submitted in both unclassified and classified formats, as appropriate.

(f) INSTITUTION OF HIGHER EDUCATION DEFINED.—The term "institution of higher education" has the meaning given such term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).

SEC. 1287. REPORT ON HONDURAS, GUATEMALA, AND EL SALVADOR.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of State, in coordination with the Secretary of Defense and other appropriate agencies, shall submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report regarding narcotics trafficking corruption and illicit campaign finance in Honduras, Guatemala, and El Salvador.

(b) MATTERS TO BE INCLUDED.—The report required under subsection (a) shall include—

(1) the names of senior government officials in Honduras, Guatemala, and El Salvador who are known to have committed or facilitated acts of grand corruption or narcotics trafficking;

(2) the names of elected officials in Honduras, Guatemala, and El Salvador who are known to have received campaign funds that are the proceeds of narco-trafficking or other illicit activities in the last 2 years; and

(3) the names of individuals in Honduras, Guatemala, and El Salvador who are known to have facilitated the financing of political campaigns in any of the Northern Triangle countries

with the proceeds of narco-trafficking or other illicit activities in the last 2 years.

(c) FORM.—The report submitted under subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1288. MODIFICATION OF FREEDOM OF NAVIGATION REPORTING REQUIREMENTS.

Subsection (a) of section 1275 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2540), as amended by section 1262(a)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1689), is further amended by striking "the Committees on Armed Services of the Senate and the House of Representatives" and inserting "the Committee on Armed Services and the Committee on Foreign Relations of the Senate and the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives".

SEC. 1289. COORDINATION OF EFFORTS TO NEGOTIATE FREE TRADE AGREEMENTS WITH CERTAIN SUB-SAHARAN AFRICAN COUNTRIES.

Section 1293 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 19 U.S.C. 3723 note) is amended by adding at the end the following:

"(c) COORDINATION WITH MILLENNIUM CHALLENGE CORPORATION.—

"(1) IN GENERAL.—After the date of the enactment of this subsection, with respect to those countries identified under section 110(b)(1) of the Trade Preferences Extension Act of 2015 (Public Law 114–27; 129 Stat. 370; 19 U.S.C. 3705 note) that also meet the country description in paragraph (2), the United States Trade Representative shall consult and coordinate with the Millennium Challenge Corporation and the United States Agency for International Development for the purpose of developing and carrying out the plan required by section 116(b) of the African Growth and Opportunity Act (19 U.S.C. 3723(b)).

"(2) COUNTRY DESCRIPTION.—A country is described in this paragraph if the country—

"(A) has entered into a Millennium Challenge Compact pursuant to section 609 of the Millennium Challenge Act of 2003 (22 U.S.C. 7708); or

"(B) is selected by the Board of Directors of the Millennium Challenge Corporation under subsection (c) of section 607 of that Act (22 U.S.C. 7706) from among the countries determined to be eligible countries under subsection (a) of that section.".

SEC. 1290. CERTIFICATIONS REGARDING ACTIONS BY SAUDI ARABIA AND THE UNITED ARAB EMIRATES IN YEMEN.

(a) RESTRICTION.—

(1) IN GENERAL.—Subject to paragraph (2), if the Secretary of State is unable under subsection (c) or (d) to certify that the Government of Saudi Arabia and the Government of the United Arab Emirates are undertaking the effort, measures, and actions described in subsection (c), no Federal funds may be obligated or expended after the deadline for the applicable certification to provide authorized in-flight refueling pursuant to section 2342 of title 10, United States Code, or other applicable

statutory authority, of Saudi or Saudi-led coalition non-United States aircraft conducting missions in Yemen, other than missions related to—

(A) al Qaeda, al Qaeda in the Arabian Peninsula (AQAP), or the Islamic State in Iraq and Syria (ISIS);

(B) countering the transport, assembly, or employment of ballistic missiles or components in Yemen;

(C) helping coalition aircraft return safely to base in emergency situations;

(D) force protection of United States aircraft, ships, or personnel; or

(E) freedom of navigation for United States military and international commerce.

(2) WAIVER.—The Secretary may waive the restriction in paragraph (1) with respect to a particular certification if the Secretary—

(A) certifies to the appropriate committees of Congress that the waiver is in the national security interests of the United States; and

(B) submits to the appropriate committees of Congress a report, in written and unclassified form, setting forth—

(i) the effort in subsection (c)(1)(A), measures in subsection (c)(1)(B), or actions in subsections (c)(1)(C) or (c)(2), or combination thereof, about which the Secretary is unable to make the certification;

(ii) a detailed explanation why the Secretary is unable to make the certification about such effort, measures, or actions;

(iii) a description of the actions the Secretary is taking to encourage the Government of Saudi Arabia or the Government of the United Arab Emirates, as applicable, to undertake such effort, measures, or actions; and

(iv) a detailed justification for the waiver.

(b) REPORTING REQUIREMENT.—Not later than 30 days after the date of the enactment of this Act, the President or the President's designee shall provide a briefing to the appropriate committees of Congress including, at a minimum—

(1) a description of Saudi Arabia and the United Arab Emirates' military and political objectives in Yemen and whether United States assistance to the Saudi-led coalition has resulted in significant progress towards meeting those objectives;

(2) a description of efforts by the Government of Saudi Arabia to avoid disproportionate harm to civilians and civilian objects in Yemen, and an assessment of whether United States assistance to the Saudi-led coalition has led to a demonstrable decrease in civilians killed or injured by Saudi-led airstrikes and damage to civilian infrastructure;

(3) an assessment of the United Nations Verification and Inspection Mechanism (UNVIM) in Yemen and an assessment of the need for existing secondary inspection and clearance processes and transshipment requirements on humanitarian and commercial vessels that have been cleared by UNVIM;

(4) a description of the sources of external support for the Houthi forces, including financial assistance, weapons transfers, operational planning, training, and advisory assistance;

(5) an assessment of the applicability of United States and international sanctions to Houthi forces that have committed grave human rights abuses, obstructed international aid, and launched ballistic missiles into Saudi territory, and an assessment of the applicability of United States and international sanctions to individuals or entities providing the Houthi forces with material support; and

(6) an assessment of the effect of the Saudi-led coalition's military operations in Yemen on the efforts of the United States to defeat al Qaeda in the Arabian Peninsula and the Islamic State of Iraq and the Levant.

(c) INITIAL CERTIFICATION.—Not later than 30 days after the date of the enactment of this Act, the Secretary of State shall submit to the appropriate committees of Congress a certification indicating whether—

(1) the Government of Saudi Arabia and the Government of the United Arab Emirates are undertaking—

(A) an urgent and good faith effort to support diplomatic efforts to end the civil war in Yemen;

(B) appropriate measures to alleviate the humanitarian crisis in Yemen by increasing access for Yemenis to food, fuel, medicine, and medical evacuation, including through the appropriate use of Yemen's Red Sea ports, including the port of Hudaydah, the airport in Sana'a, and external border crossings with Saudi Arabia; and

(C) demonstrable actions to reduce the risk of harm to civilians and civilian infrastructure resulting from military operations of the Government of Saudi Arabia and the Government of the United Arab Emirates in Yemen, including by—

(i) complying with applicable agreements and laws regulating defense articles purchased or transferred from the United States; and

(ii) taking appropriate steps to avoid disproportionate harm to civilians and civilian infrastructure; and

(2) in the case of Saudi Arabia, the Government of Saudi Arabia is undertaking appropriate actions to reduce any unnecessary delays to shipments associated with secondary inspection and clearance processes other than UNVIM.

(d) SUBSEQUENT CERTIFICATIONS.—Not later than 180 and 360 days after the date of the enactment of this Act, the Secretary of State shall submit to the appropriate committees of Congress a certification indicating whether the Government of Saudi Arabia and the Government of the United Arab Emirates are undertaking the effort, measures, and actions described in subsection (c).

(e) RULE OF CONSTRUCTION.—Nothing in this section may be construed as authorizing the use of military force.

(f) FORM OF CERTIFICATIONS.—The certifications required under subsections (c) and (d) shall be written, detailed, and submitted in unclassified form.

(g) STRATEGY REQUIRED.—Not later than 90 days after the date of the enactment of this Act, the Secretary of State, in coordination with the Secretary of Defense and the Administrator of the United States Agency for International Development, shall submit to the appropriate committees of Congress an unclassified report listing United States objectives in Yemen and detailing a strategy to accomplish those objectives. The report shall be unclassified but may include a classified annex.

(h) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on Foreign Relations, the Committee on Armed Services, and the Committee on Appropriations of the Senate; and

(2) the Committee on Foreign Affairs, the Committee on Armed Services, and the Committee on Appropriations of the House of Representatives.

SEC. 1291. TREATMENT OF RWANDAN PATRIOTIC FRONT AND RWANDAN PATRIOTIC ARMY UNDER IMMIGRATION AND NATIONALITY ACT.

(a) REMOVAL OF TREATMENT AS TERRORIST ORGANIZATIONS.—

(1) IN GENERAL.—Except as provided in paragraph (2), the Rwandan Patriotic Front and the Rwandan Patriotic Army shall be excluded from the definition of terrorist organization (as defined in section 212(a)(3)(B)(vi)(III) of the Immigration and Nationality Act (8 U.S.C. 1182(a)(3)(B)(vi)(III))) for purposes of such section 212(a)(3)(B) for any period before August 1, 1994.

(2) EXCEPTION.—

(A) IN GENERAL.—The Secretary of State, in consultation with the Secretary of Homeland Security and the Attorney General, or the Secretary of Homeland Security, in consultation with the Secretary of State and the Attorney General, as applicable, may suspend the application of paragraph (1) for the Rwandan Patriotic Front or the Rwandan Patriotic Army in the sole and unreviewable discretion of such applicable Secretary.

(B) REPORT.—Not later than, or contemporaneously with, a suspension of paragraph (1) under subparagraph (A), the Secretary of State or the Secretary of Homeland Security, as applicable, shall submit to the appropriate committees of Congress a report on the justification for such suspension.

(b) RELIEF FROM INADMISSIBILITY.—

(1) ACTIVITIES BEFORE AUGUST 1, 1994.—Section 212(a)(3)(B) of the Immigration and Nationality Act (8 U.S.C. 1182(a)(3)(B)) shall not apply to an alien with respect to any activity undertaken by the alien in association with the Rwandan Patriotic Front or the Rwandan Patriotic Army before August 1, 1994.

(2) EXCEPTIONS.—

(A) IN GENERAL.—Paragraph (1) shall not apply if the Secretary of State or the Secretary of Homeland Security, as applicable, determines in the sole unreviewable discretion of such applicable Secretary that—

(i) in the totality of the circumstances, such alien—

(I) poses a threat to the safety and security of the United States; or

(II) does not merit a visa, admission to the United States, or a grant of an immigration benefit or protection; or

(ii) such alien committed, ordered, incited, assisted, or otherwise participated in the commission of—

(I) an offense described in section 2441 of title 18, United States Code; or

(II) an offense described in Presidential Proclamation 8697, dated August 4, 2011.

(B) IMPLEMENTATION.—Subparagraph (A) shall be implemented by the Secretary of State and the Secretary of Homeland Security, in consultation with the Attorney General.

(c) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this section, the term "appropriate committees of Congress" means—

(1) the Committee on the Judiciary, the Committee on Foreign Relations, the Committee on Homeland Security and Governmental Affairs, and the Committee on Appropriations of the Senate; and

(2) the Committee on the Judiciary, the Committee on Foreign Affairs, the Committee on Homeland Security, and the Committee on Appropriations of the House of Representatives.

SEC. 1292. LIMITATION ON AVAILABILITY OF FUNDS TO IMPLEMENT THE ARMS TRADE TREATY.

(a) IN GENERAL.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Department of Defense may be obligated or expended to implement the Arms Trade Treaty, or to make any change to existing programs, projects, or activities as approved by Congress in furtherance of, pursuant to, or otherwise to implement such Treaty, unless the Treaty has received the advice and consent of the Senate and has been the subject of implementing legislation, as required, by Congress.

(b) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to preclude the Department of Defense from assisting foreign countries in bringing their laws and regulations up to United States standards.

SEC. 1293. PROHIBITION ON PROVISION OF WEAPONS AND OTHER FORMS OF SUPPORT TO CERTAIN ORGANIZATIONS.

None of the funds authorized to be appropriated by this Act or otherwise made available to the Department of Defense for fiscal year 2019 may be used to knowingly provide weapons or any other form of support to Al Qaeda, the Islamic State of Iraq and Syria (ISIS), Jabhat Fateh al Sham, or any individual or group affiliated with any such organization.

SEC. 1294. MODIFIED WAIVER AUTHORITY FOR CERTAIN SANCTIONABLE TRANSACTIONS UNDER SECTION 231 OF THE COUNTERING AMERICA'S ADVERSARIES THROUGH SANCTIONS ACT.

(a) IN GENERAL.—Section 231 of the Countering America's Adversaries Through Sanctions Act (Public Law 115–44; 22 U.S.C. 9525) is amended—

(1) by redesignating subsections (d) and (e) as subsection (e) and (f), respectively; and

(2) by inserting after subsection (c), as amended, the following new subsection:

"(d) MODIFIED WAIVER AUTHORITY FOR CERTAIN SANCTIONABLE TRANSACTIONS UNDER THIS SECTION.—

"(1) IN GENERAL.—The President may use the authority under section 236(b) to waive the application of sanctions with respect to a person under this section without regard to section 216 if, not later than 30 days prior to the waiver taking effect, the President certifies in writing to the appropriate congressional committees and the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives that—

"(A) the waiver is in the national security interests of the United States;

"(B) the significant transaction described in subsection (a) that the person engaged in with respect to which the waiver is being exercised—

"(i) is not a significant transaction with—

"(I) the Main Intelligence Agency of the General Staff of the Armed Forces of the Russian Federation;

"(II) the Federal Security Service of the Russian Federation;

"(III) the Foreign Intelligence Service of the Russian Federation;

"(IV) Autonomous Noncommercial Professional Organization/Professional Association of Designers of Data Processing (ANO PO KSI);

"(V) the Special Technology Center;

"(VI) Zorsecurity; or

"(VII) any person that the Secretary of State, in consultation with the Director of National Intelligence, determines—

"(aa) to be part of, or operating for or on behalf of, the defense or intelligence sector of the Government of the Russian Federation; and

"(bb) has directly participated in or facilitated cyber intrusions by the Government of the Russian Federation; and

"(ii) would not—

"(I) endanger the integrity of any multilateral alliance of which the United States is a part;

"(II) adversely affect ongoing operations of the Armed Forces of the United States, including coalition operations in which the Armed Forces of the United States participate;

"(III) result in a significant negative impact to defense cooperation between the United States and the country whose government has primary jurisdiction over the person; and

"(IV) significantly increase the risk of compromising United States defense systems and operational capabilities; and

"(C) the government with primary jurisdiction over the person—

"(i) is taking or will take steps to reduce its inventory of major defense equipment and advanced conventional weapons produced by the defense sector of the Russian Federation as a share of its total inventory of major defense equipment and advanced conventional weapons over a specified period; or

"(ii) is cooperating with the United States Government on other security matters that are critical to United States strategic interests.

"(2) FORM.—The certification described in paragraph (1) shall be transmitted in an unclassified form, and may contain a classified annex.

"(3) REPORT.—

"(A) IN GENERAL.—Not later than 120 days after the date on which the President submits a certification described in paragraph (1) with respect to the waiver of the application of sanctions with respect to a person under this section, and annually thereafter for two years, the Secretary of State and the Secretary of Defense shall jointly submit to the appropriate congressional committees and the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives a report on the waiver.

"(B) MATTERS TO BE INCLUDED.—The report required by subparagraph (A) shall include—

"(i) the extent to which such waiver has or has not resulted in the compromise of United States systems and operational capabilities, including through the diversion of United States sensitive technology to a person that is part of, or operates for or on behalf of, the defense or intelligence sectors of the Government of the Russian Federation; and

"(ii) the extent to which the government with primary jurisdiction over the person is taking specific actions to further the enforcement of this title.".

(b) RULE OF CONSTRUCTION.—Nothing in subsection (d) of section 231 of the Countering America's Adversaries Through Sanctions Act (Public Law 115–44; 22 U.S.C. 9525), as added by subsection (a) of this section, shall be construed to modify, waive, or terminate any existing sanctions with respect to the Russian Federation, including any Russian person or entity, that are in effect on the date of the enactment of this Act.

(c) REPORT.—

(1) INITIAL REPORT.—Not later than 90 days after the date of the enactment of this Act, the President shall submit to the appropriate congressional committees a report that describes those persons that the President has determined under section 231 of the Countering America's Adversaries Through Sanctions Act (Public Law 115–44; 22 U.S.C. 9525) have knowingly engaged, on or after August 2, 2017, in a significant transaction

with a person that is part of, or operates for or on behalf of, the defense or intelligence sectors of the Government of the Russian Federation, as defined in guidance required under subsection (e) of that section, as redesignated by subsection (a)(1) of this section.

(2) UPDATES.—Not later than 90 days after the date of the submission of the report required by paragraph (1), and every 90 days thereafter for a period of 5 years, the President shall submit to the appropriate congressional committees an update to the report required by that paragraph.

(3) ELEMENTS.—The report required by paragraph (1) and each update required by paragraph (2) shall contain the following:

(A) A list of persons that the President has determined under section 231 of the Countering America's Adversaries Through Sanctions Act (Public Law 115–44; 22 U.S.C. 9525) have knowingly engaged, on or after August 2, 2017, in a significant transaction with a person that is part of, or operates for or on behalf of, the defense or intelligence sectors of the Government of the Russian Federation, as defined in guidance required under subsection (e) of that section, as redesignated by subsection (a)(1) of this section.

(B) For the initial report required by paragraph (1), a year-by-year and country-by-country description of significant transactions from persons described in paragraph (1), dating back to August 2, 2017, and for each update required by paragraph (2), such a description of significant transactions dating back to the date of submission of the most recent report submitted under paragraph (1) or the most recent update submitted under paragraph (2), as applicable.

(C) A description of the significant transactions described in subsection (a) of such section 231, including, for each such transaction, types of material and equipment involved, the monetary value of the transaction, and the duration of any contract involved.

(D) A description of the diplomatic efforts by the Government of the United States, if any, to persuade persons to no longer conduct significant transactions with persons that are part of, or operate for or on behalf of, the defense or intelligence sectors of the Government of the Russian Federation, as defined in guidance required under subsection (e) of such section 231, as redesignated by subsection (a)(1) of this section.

(E) A description of significant transactions with persons that are part of, or operate for or on behalf of, the defense or intelligence sectors of the Government of the Russian Federation, if any, that the Government of the United States through diplomatic efforts was able to persuade persons not to engage in, including a description of each such transaction and the monetary value of the transaction.

(4) FORM.—The initial report required by paragraph (1) and each update required under paragraph (2) shall be submitted in unclassified form, but may contain a classified annex.

(5) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term "appropriate congressional committees" has the meaning given that term in section 221 of the Countering Russian Influence in Europe and Eurasia Act of 2017 (22 U.S.C. 9521) and includes the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives.

SEC. 1295. RULE OF CONSTRUCTION RELATING TO THE USE OF FORCE.

Nothing in this Act may be construed to authorize the use of force against Iran or North Korea.

TITLE XIII—COOPERATIVE THREAT REDUCTION

TITLE XIII—COOPERATIVE THREAT REDUCTION

Sec. 1301. Funding allocations.
Sec. 1302. Specification of cooperative threat reduction funds.

SEC. 1301. FUNDING ALLOCATIONS.

Of the $335,240,000 authorized to be appropriated to the Department of Defense for fiscal year 2019 in section 301 and made available by the funding table in division D for the Department of Defense Cooperative Threat Reduction Program established under section 1321 of the Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3711), the following amounts may be obligated for the purposes specified:

(1) For strategic offensive arms elimination, $2,823,000.

(2) For chemical weapons destruction, $5,446,000.

(3) For global nuclear security, $29,001,000.

(4) For cooperative biological engagement, $197,585,000.

(5) For proliferation prevention, $74,937,000.

(6) For activities designated as Other Assessments/Administrative Costs, $25,448,000.

SEC. 1302. SPECIFICATION OF COOPERATIVE THREAT REDUCTION FUNDS.

Funds appropriated pursuant to the authorization of appropriations in section 301 and made available by the funding table in division D for the Department of Defense Cooperative Threat Reduction Program shall be available for obligation for fiscal years 2019, 2020, and 2021.

TITLE XIV—OTHER AUTHORIZATIONS

Subtitle A—Military Programs

Sec. 1401. Working capital funds.
Sec. 1402. Chemical agents and munitions destruction, defense.
Sec. 1403. Drug interdiction and counter-drug activities, defense-wide.
Sec. 1404. Defense inspector general.
Sec. 1405. Defense health program.

Subtitle B—Armed Forces Retirement Home

Sec. 1411. Authorization of appropriations for Armed Forces Retirement Home.
Sec. 1412. Expansion of eligibility for residence at the Armed Forces Retirement Home.
Sec. 1413. Oversight of health care provided to residents of the Armed Forces Retirement Home.
Sec. 1414. Modification of authority on acceptance of gifts for the Armed Forces Retirement Home.
Sec. 1415. Relief for residents of the Armed Forces Retirement Home impacted by increase in fees.

Sec. 1416. Limitation on applicability of fee increase for residents of the Armed Forces Retirement Home.

Subtitle C—Other Matters

Sec. 1421. Authority for transfer of funds to joint Department of Defense-Department of Veterans Affairs medical facility demonstration fund for Captain James A. Lovell Health Care Center, Illinois.
Sec. 1422. Economical and efficient operation of working capital fund activities.
Sec. 1423. Consolidation of reporting requirements under the Strategic and Critical Materials Stock Piling Act.
Sec. 1424. Quarterly briefing on progress of chemical demilitarization program.

Subtitle A—Military Programs

SEC. 1401. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4501.

SEC. 1402. CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for Chemical Agents and Munitions Destruction, Defense, as specified in the funding table in section 4501.

(b) USE.—Amounts authorized to be appropriated under subsection (a) are authorized for—

(1) the destruction of lethal chemical agents and munitions in accordance with section 1412 of the Department of Defense Authorization Act, 1986 (50 U.S.C. 1521); and

(2) the destruction of chemical warfare materiel of the United States that is not covered by section 1412 of such Act.

SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4501.

SEC. 1404. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4501.

SEC. 1405. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the Defense Health Program for use of the Armed Forces and other activities and agencies of the Department of Defense for providing for the health of eligible beneficiaries, as specified in the funding table in section 4501.

Subtitle B—Armed Forces Retirement Home

SEC. 1411. AUTHORIZATION OF APPROPRIATIONS FOR ARMED FORCES RETIREMENT HOME.

There is hereby authorized to be appropriated for fiscal year 2019 from the Armed Forces Retirement Home Trust Fund the sum of $64,300,000 for the operation of the Armed Forces Retirement Home.

SEC. 1412. EXPANSION OF ELIGIBILITY FOR RESIDENCE AT THE ARMED FORCES RETIREMENT HOME.

Section 1512 of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 412) is amended to read as follows:

"SEC. 1512. RESIDENTS OF RETIREMENT HOME.

"(a) PERSONS ELIGIBLE TO BE RESIDENTS.—Except as provided in subsection (b), the following persons who served as members of the Armed Forces, at least one-half of whose service was not active commissioned service (other than as a warrant officer or limited-duty officer), are eligible to become residents of the Retirement Home:

"(1) Persons who are 60 years of age or over and were discharged or released from service in the Armed Forces after 20 or more years of active service.

"(2) Persons who are determined under rules prescribed by the Chief Operating Officer to be suffering from a service-connected disability incurred in the line of duty in the Armed Forces.

"(3) Persons who served in a war theater during a time of war declared by Congress or were eligible for hostile fire special pay under section 310 or 351 of title 37, United States Code, and who are determined under rules prescribed by the Chief Operating Officer to be suffering from injuries, disease, or disability.

"(4) Persons who served in a women's component of the Armed Forces before June 12, 1948, and are determined under rules prescribed by the Chief Operating Officer to be eligible for admission because of compelling personal circumstances.

"(b) PERSONS INELIGIBLE TO BE RESIDENTS.—The following persons are ineligible to become a resident of the Retirement Home:

"(1) A person who—

"(A) has been convicted of a felony; or

"(B) was discharged or released from service in the Armed Forces under other than honorable conditions.

"(2) A person with substance abuse or mental health problems, except upon a judgment and satisfactory determination by the Chief Operating Officer that—

"(A) the person has been evaluated by a qualified health professional selected by the Retirement Home;

"(B) the Retirement Home can accommodate the person's condition; and

"(C) the person agrees to such conditions of residency as the Retirement Home may require.

"(c) ACCEPTANCE.—To apply for acceptance as a resident of a facility of the Retirement Home, a person eligible to be a resident shall submit to the Administrator of that facility an application in

such form and containing such information as the Chief Operating Officer may require.

"(d) PRIORITIES FOR ACCEPTANCE.—The Chief Operating Officer shall establish a system of priorities for the acceptance of residents so that the most deserving applicants will be accepted whenever the number of eligible applicants is greater than the Retirement Home can accommodate.

"(e) SPOUSES OF RESIDENTS.—

"(1) AUTHORITY TO ADMIT.—Except as otherwise established pursuant to subsection (d), the spouse of a person accepted as a resident of a facility of the Retirement Home may be admitted to that facility if the spouse—

"(A) is a covered beneficiary within the meaning of section 1072(5) of title 10, United States Code;

"(B) is not ineligible to become a resident as provided in subsection (b); and

"(C) submits an application for admittance in accordance with subsection (c).

"(2) TREATMENT AS RESIDENT.—A spouse admitted in accordance with paragraph (1) shall be a resident of the Retirement Home consistent with this Act, except as the Chief Operating Officer may otherwise provide.".

SEC. 1413. OVERSIGHT OF HEALTH CARE PROVIDED TO RESIDENTS OF THE ARMED FORCES RETIREMENT HOME.

Section 1513A(c) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 413a(c)) is amended—

(1) by striking paragraph (1) and inserting the following new paragraph (1):

"(1) Facilitate and monitor the timely availability to residents of the Retirement Home such medical, mental health, and dental care services as such residents may require at locations other than the Retirement Home."

(2) in paragraph (2), by striking "Ensure" and inserting "Monitor".

SEC. 1414. MODIFICATION OF AUTHORITY ON ACCEPTANCE OF GIFTS FOR THE ARMED FORCES RETIREMENT HOME.

Paragraph (1) of section 1515(f) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 415(f)) is amended to read as follows:

"(1) The Chief Operating Officer may accept, receive, solicit, hold, administer, and use any gift, devise, or bequest, either absolutely or in trust, of real or personal property, or any income therefrom or other interest therein, for the benefit of the Retirement Home.".

SEC. 1415. RELIEF FOR RESIDENTS OF THE ARMED FORCES RETIREMENT HOME IMPACTED BY INCREASE IN FEES.

(a) PROHIBITION ON REMOVAL FOR INABILITY TO PAY FEE INCREASE.—A resident of the Armed Forces Retirement Home as of September 30, 2018, may not be removed or released from the Retirement Home after that date based solely upon the inability of the resident to pay the amount of any increase in fees applicable to residents of the Retirement Home that takes effect on October 1, 2018.

(b) OTHER RELIEF.—The Chief Operating Officer of the Armed Forces Retirement Home shall take all actions practicable to accommodate residents of the Retirement Home who are impacted by the

fee structure applicable to residents of the Retirement Home that takes effect on October 1, 2018, including through hardship relief, additional deductions from gross income, and other appropriate actions.

SEC. 1416. LIMITATION ON APPLICABILITY OF FEE INCREASE FOR RESIDENTS OF THE ARMED FORCES RETIREMENT HOME.

(a) IN GENERAL.—In the case of an individual who was a resident of the Armed Forces Retirement Home as of April 9, 2018, the increase in fees for residents of the Home scheduled to take effect on October 1, 2018, shall occur on an incremental basis over the three-year period beginning on October 1, 2018, such that the total fee for such individual as a resident of the Home as of the end of such period covers the cost of care of such individual as a resident of the Home.

(b) NOTICE AND WAIT ON IMPLEMENTATION OF FUTURE INCREASES.—Any increase in the fees for residents of the Home that is scheduled to take effect after October 1, 2018, may not take effect until 90 days after the date on which a report on the increase is submitted to the Committees on Armed Services of the Senate and the House of Representatives.

Subtitle C—Other Matters

SEC. 1421. AUTHORITY FOR TRANSFER OF FUNDS TO JOINT DEPARTMENT OF DEFENSE-DEPARTMENT OF VETERANS AFFAIRS MEDICAL FACILITY DEMONSTRATION FUND FOR CAPTAIN JAMES A. LOVELL HEALTH CARE CENTER, ILLINOIS.

(a) AUTHORITY FOR TRANSFER OF FUNDS.—Of the funds authorized to be appropriated by section 1405 and available for the Defense Health Program for operation and maintenance, $113,000,000 may be transferred by the Secretary of Defense to the Joint Department of Defense–Department of Veterans Affairs Medical Facility Demonstration Fund established by subsection (a)(1) of section 1704 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2571). For purposes of subsection (a)(2) of such section 1704, any funds so transferred shall be treated as amounts authorized and appropriated specifically for the purpose of such a transfer.

(b) USE OF TRANSFERRED FUNDS.—For the purposes of subsection (b) of such section 1704, facility operations for which funds transferred under subsection (a) may be used are operations of the Captain James A. Lovell Federal Health Care Center, consisting of the North Chicago Veterans Affairs Medical Center, the Navy Ambulatory Care Center, and supporting facilities designated as a combined Federal medical facility under an operational agreement covered by section 706 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4500).

SEC. 1422. ECONOMICAL AND EFFICIENT OPERATION OF WORKING CAPITAL FUND ACTIVITIES.

Section 2208(e) of title 10, United States Code, is amended by adding at the end the following: "The accomplishment of the most economical and efficient organization and operation of working capital fund activities for the purposes of this subsection shall include actions toward the following:

"(1) Undertaking efforts to optimize the rate structure for all requisitioning entities.

"(2) Encouraging a working capital fund activity to perform reimbursable work for other entities to sustain the efficient use of the workforce.

"(3) Determining the appropriate leadership level for approving work from outside entities to maximize efficiency.".

SEC. 1423. CONSOLIDATION OF REPORTING REQUIREMENTS UNDER THE STRATEGIC AND CRITICAL MATERIALS STOCK PILING ACT.

Section 11 of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98h–2) is amended—

(1) in subsection (a), by striking "January 15" and inserting "February 15"; and

(2) in subsection (b)—

(A) in paragraph (1), by striking "Not later" and all that follows through "report containing" and inserting "Each report under subsection (a) shall also include"; and

(B) in paragraph (2)—

(i) by striking "Each" in the first sentence and inserting "With respect to the plan described in paragraph (1), each"; and

(ii) by striking "Each such report" in the second sentence and inserting "With respect to such plan, each report".

SEC. 1424. QUARTERLY BRIEFING ON PROGRESS OF CHEMICAL DEMILITARIZATION PROGRAM.

Section 1412(j) of the Department of Defense Authorization Act, 1986 (50 U.S.C. 1521(j)) is amended—

(1) in the heading, by striking "Semiannual Reports" and inserting "QUARTERLY BRIEFING";

(2) in paragraph (1)—

(A) by striking "March 1" and all that follows through "the year in which" and inserting "90 days after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2019, and every 90 days thereafter until";

(B) by striking "submit to" and inserting "brief";

(C) by striking "a report on the implementation" and inserting "on the progress made"; and

(D) by striking "of its chemical weapons destruction obligations" and inserting "toward fulfilling its chemical weapons destruction obligations"; and

(3) by striking paragraph (2) and inserting the following:

"(2) Each briefing under paragraph (1) shall include a description of contractor costs and performance relative to schedule, the progress to date toward the complete destruction of the stockpile, and any other information the Secretary determines to be relevant.".

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

Subtitle A—Authorization of Appropriations

Sec. 1501. Purpose.
Sec. 1502. Procurement.

Sec. 1503. Research, development, test, and evaluation.
Sec. 1504. Operation and maintenance.
Sec. 1505. Military personnel.
Sec. 1506. Working capital funds.
Sec. 1507. Drug interdiction and counter-drug activities, defense-wide.
Sec. 1508. Defense inspector general.
Sec. 1509. Defense health program.

Subtitle B—Financial Matters

Sec. 1511. Treatment as additional authorizations.
Sec. 1512. Special transfer authority.
Sec. 1513. Overseas contingency operations.

Subtitle C—Other Matters

Sec. 1521. Joint Improvised-Threat Defeat Organization.
Sec. 1522. Enduring costs funded through overseas contingency operations.
Sec. 1523. Comptroller General report on use of funds provided by overseas contingency operations.

Subtitle A—Authorization of Appropriations

SEC. 1501. PURPOSE.

The purpose of this subtitle is to authorize appropriations for the Department of Defense for fiscal year 2019 to provide additional funds for overseas contingency operations being carried out by the Armed Forces.

SEC. 1502. PROCUREMENT.

Funds are hereby authorized to be appropriated for fiscal year 2019 for procurement accounts for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4102.

SEC. 1503. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Department of Defense for research, development, test, and evaluation, as specified in the funding table in section 4202.

SEC. 1504. OPERATION AND MAINTENANCE.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4302.

SEC. 1505. MILITARY PERSONNEL.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for military personnel, as specified in the funding table in section 4402.

SEC. 1506. WORKING CAPITAL FUNDS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the use of the Armed Forces and other activities and agencies of the Department of Defense for providing capital for working capital and revolving funds, as specified in the funding table in section 4502.

SEC. 1507. DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE-WIDE.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for Drug Interdiction and Counter-Drug Activities, Defense-wide, as specified in the funding table in section 4502.

SEC. 1508. DEFENSE INSPECTOR GENERAL.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for the Office of the Inspector General of the Department of Defense, as specified in the funding table in section 4502.

SEC. 1509. DEFENSE HEALTH PROGRAM.

Funds are hereby authorized to be appropriated for the Department of Defense for fiscal year 2019 for expenses, not otherwise provided for, for the Defense Health Program, as specified in the funding table in section 4502.

Subtitle B—Financial Matters

SEC. 1511. TREATMENT AS ADDITIONAL AUTHORIZATIONS.

The amounts authorized to be appropriated by this title are in addition to amounts otherwise authorized to be appropriated by this Act.

SEC. 1512. SPECIAL TRANSFER AUTHORITY.

(a) AUTHORITY TO TRANSFER AUTHORIZATIONS.—

(1) AUTHORITY.—Upon determination by the Secretary of Defense that such action is necessary in the national interest, the Secretary may transfer amounts of authorizations made available to the Department of Defense in this title for fiscal year 2019 between any such authorizations for that fiscal year (or any subdivisions thereof). Amounts of authorizations so transferred shall be merged with and be available for the same purposes as the authorization to which transferred.

(2) LIMITATION.—The total amount of authorizations that the Secretary may transfer under the authority of this subsection may not exceed $3,500,000,000.

(b) TERMS AND CONDITIONS.—Transfers under this section shall be subject to the same terms and conditions as transfers under section 1001.

(c) ADDITIONAL AUTHORITY.—The transfer authority provided by this section is in addition to the transfer authority provided under section 1001.

SEC. 1513. OVERSEAS CONTINGENCY OPERATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 for the Department of Defense for overseas contingency operations in such amounts as may be designated as provided in section 251(b)(2)(A)(ii) of the Balanced Budget and Emergency Deficit Control Act of 1985 (2 U.S.C. 901(b)(2)(A)(ii)).

Subtitle C—Other Matters

SEC. 1521. JOINT IMPROVISED-THREAT DEFEAT ORGANIZATION.

(a) USE AND TRANSFER OF FUNDS.—

(1) IN GENERAL.—Subsections (b) and (c) of section 1514 of the John Warner National Defense Authorization Act for Fiscal

Year 2007 (Public Law 109–364; 120 Stat. 2439), as in effect before the amendments made by section 1503 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat. 4649), shall apply to amounts made available for fiscal year 2019 for the Department of Defense for the Joint Improvised-Threat Defeat Organization.

(2) REFERENCES TO JOINT IMPROVISED EXPLOSIVE DEVICE DEFEAT FUND.—In the application of paragraph (1) to the use of funds described in that paragraph in fiscal year 2019, any reference in the subsections referred to in that paragraph to the Joint Improvised Explosive Device Defeat Fund shall be deemed to be a reference to the Joint Improvised-Threat Defeat Organization.

(b) INTERDICTION OF IMPROVISED EXPLOSIVE DEVICE PRECURSOR CHEMICALS.—

(1) AVAILABILITY OF FUNDS.—Of the amounts authorized to be appropriated for fiscal year 2019 for the Department of Defense by this Act for the Joint Improvised-Threat Defeat Organization, $15,000,000 may be made available to the Secretary of Defense, with the concurrence of the Secretary of State, to provide training, equipment, supplies, and services to ministries and other entities of foreign governments that the Secretary of Defense has identified as critical for countering the flow of improvised explosive device precursor chemicals.

(2) PROVISION THROUGH OTHER UNITED STATES AGENCIES.—If jointly agreed upon by the Secretary of Defense and the head of another department or agency of the United States Government, the Secretary of Defense may transfer amounts made available under paragraph (1) to such department or agency for the provision by such department or agency of training, equipment, supplies, and services to ministries and other entities of foreign governments as described in that paragraph.

(3) NOTICE TO CONGRESS.—None of the funds made available under paragraph (1) may be obligated or expended to supply training, equipment, supplies, or services to a foreign country before the date that is 15 days after the date on which the Secretary of Defense, in coordination with the Secretary of State, has submitted to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a notice that includes each of the following:

(A) The name of the foreign country for which training, equipment, supplies, or services are proposed to be supplied.

(B) A description of the training, equipment, supplies, and services to be provided to such foreign country using such funds.

(C) A detailed description of the amounts proposed to be obligated or expended to supply such training, equipment, supplies, or services, including—

(i) any amounts proposed to be obligated or expended to support the participation of a department or agency of the United States Government other than the Department of Defense; and

(ii) a description of the training, equipment, supplies, or services proposed to be supplied.

(D) An evaluation of the effectiveness of the efforts of such foreign country to counter the flow of improvised explosive device precursor chemicals.

(E) An overall plan for countering the flow of precursor chemicals in such foreign country.

(4) EXPIRATION.—The authority provided by this subsection expires on December 31, 2019.

(c) TRANSITION PLAN REQUIRED.—Not later than March 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a plan to transition funding for the Joint Improvised-Threat Defeat Organization from amounts made available for overseas contingency operations to amounts otherwise made available for the purposes of such Organization.

SEC. 1522. ENDURING COSTS FUNDED THROUGH OVERSEAS CONTINGENCY OPERATIONS.

(a) REPORT REQUIRED.—Not later than 14 days after the President submits to Congress the budget request for each of fiscal years 2020, 2021, 2022, 2023, and 2024, pursuant to section 1105 of title 31, United States Code, the Under Secretary of Defense (Comptroller) shall submit to the congressional defense committees a report on enduring costs funded through overseas contingency operations.

(b) ELEMENTS.—Each report required by subsection (a) shall include the following:

(1) An estimate of the costs of operations currently supported in part or in whole by requested funding for overseas contingency operations that are likely to continue beyond such contingency, in accordance with the recommendation in the Government Accountability Office report entitled "Overseas Contingency Operations: OMB and DOD Should Revise the Criteria for Determining Eligible Costs and Identify the Costs Likely to Endure Long Term" published on January 18, 2017.

(2) With respect to programs, projects, or activities for which the source of the requested funds has shifted from overseas contingency operations funding in the previous fiscal year to base budget funding in the current fiscal year—

(A) a description of the criteria used by the Department of Defense and the Armed Forces in determining the programs, projects, and activities for which funds were requested in the budget request of the current fiscal year for overseas contingency operations, including any changes relative to the criteria issued in 2010 that was used by the Office of Management and Budget to identify such programs, projects, and activities for such funding requests;

(B) a list of each such program, project, or activity and the amount requested for each such program, project, or activity, at the following levels of detail:

(i) For procurement, by line item.

(ii) For research, development, test, and evaluation, by program element number.

(iii) For operation and maintenance, by sub-activity group.

(iv) For military personnel, by sub-activity group.

(v) For revolving and management funds, by sub-activity group.

(vi) For military construction, by project.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form but may contain a classified annex.

SEC. 1523. COMPTROLLER GENERAL REPORT ON USE OF FUNDS PROVIDED BY OVERSEAS CONTINGENCY OPERATIONS.

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Comptroller General of the United States shall submit to Congress a report on how funds authorized to be appropriated for fiscal year 2018 for overseas contingency operations were obligated.

(b) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

Sec. 1601. Improvements to acquisition system, personnel, and organization of space forces.
Sec. 1602. Modifications to Space Rapid Capabilities Office.
Sec. 1603. Rapid, responsive, and reliable space launch.
Sec. 1604. Provision of space situational awareness services and information.
Sec. 1605. Budget assessments for national security space programs.
Sec. 1606. Improvements to commercial space launch operations.
Sec. 1607. Space warfighting policy, review of space capabilities, and plan on space warfighting readiness.
Sec. 1608. Use of small- and medium-size buses for strategic and tactical satellite payloads.
Sec. 1609. Enhancement of positioning, navigation, and timing capacity.
Sec. 1610. Designation of component of Department of Defense responsible for coordination of modernization efforts relating to military-code capable GPS receiver cards.
Sec. 1611. Designation of component of Department of Defense responsible for coordination of hosted payload information.
Sec. 1612. Limitation on availability of funds for Joint Space Operations Center mission system.
Sec. 1613. Evaluation and enhanced security of supply chain for protected satellite communications programs and overhead persistent infrared systems.
Sec. 1614. Report on protected satellite communications.
Sec. 1615. Report on enhancements to the Global Positioning System Operational Control Segment.
Sec. 1616. Report on persistent weather imagery for United States Central Command.
Sec. 1617. Study on space-based radio frequency mapping.
Sec. 1618. Independent study on space launch locations.
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Subtitle B—Defense Intelligence and Intelligence-Related Activities

Sec. 1621. Role of Under Secretary of Defense for Intelligence.
Sec. 1622. Security vetting for foreign nationals.
Sec. 1623. Department of Defense Counterintelligence polygraph program.
Sec. 1624. Defense intelligence business management systems.
Sec. 1625. Modification to annual briefing on the intelligence, surveillance, and reconnaissance requirements of the combatant commands.
Sec. 1626. Framework on governance, mission management, resourcing, and effective oversight of combat support agencies that are also elements of the intelligence community.

Subtitle C—Cyberspace-Related Matters

Sec. 1631. Reorganization and consolidation of certain cyber provisions.
Sec. 1632. Affirming the authority of the Secretary of Defense to conduct military activities and operations in cyberspace.

Sec. 1633. Department of Defense Cyber Scholarship Program scholarships and grants.
Sec. 1634. Amendments to pilot program regarding cyber vulnerabilities of Department of Defense critical infrastructure.
Sec. 1635. Modification of acquisition authority of the Commander of the United States Cyber Command.
Sec. 1636. Policy of the United States on cyberspace, cybersecurity, cyber warfare, and cyber deterrence.
Sec. 1637. Budget display for cyber vulnerability evaluations and mitigation activities for major weapon systems of the Department of Defense.
Sec. 1638. Determination of responsibility for the Department of Defense Information Networks.
Sec. 1639. Procedures and reporting requirement on cybersecurity breaches and loss of personally identifiable information and controlled unclassified information.
Sec. 1640. Program to establish cyber institutes at institutions of higher learning.
Sec. 1641. Matters pertaining to the SharkSeer cybersecurity program.
Sec. 1642. Active defense against the Russian Federation, People's Republic of China, Democratic People's Republic of Korea, and Islamic Republic of Iran attacks in cyberspace.
Sec. 1643. Designation of official for matters relating to integrating cybersecurity and industrial control systems within the Department of Defense.
Sec. 1644. Assistance for small manufacturers in the defense industrial supply chain and universities on matters relating to cybersecurity.
Sec. 1645. Email and Internet website security and authentication.
Sec. 1646. Security product integration framework.
Sec. 1647. Information security continuous monitoring and cybersecurity scorecard.
Sec. 1648. Tier 1 exercise of support to civil authorities for a cyber incident.
Sec. 1649. Pilot program on modeling and simulation in support of military homeland defense operations in connection with cyber attacks on critical infrastructure.
Sec. 1650. Pilot program authority to enhance cybersecurity and resiliency of critical infrastructure.
Sec. 1651. Pilot program on regional cybersecurity training center for the Army National Guard.
Sec. 1652. Cyberspace Solarium Commission.
Sec. 1653. Study and report on reserve component cyber civil support teams.
Sec. 1654. Identification of countries of concern regarding cybersecurity.
Sec. 1655. Mitigation of risks to national security posed by providers of information technology products and services who have obligations to foreign governments.
Sec. 1656. Report on Cybersecurity Apprentice Program.
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Subtitle D—Nuclear Forces

Sec. 1661. Under Secretary of Defense for Research and Engineering and the Nuclear Weapons Council.
Sec. 1662. Long-range standoff weapon requirements.
Sec. 1663. Acceleration of ground-based strategic deterrent program and long-range standoff weapon program.
Sec. 1664. Procurement authority for certain parts of intercontinental ballistic missile fuzes.
Sec. 1665. Prohibition on reduction of the intercontinental ballistic missiles of the United States.
Sec. 1666. Extension of prohibition on availability of funds for mobile variant of ground-based strategic deterrent missile.
Sec. 1667. Exchange program for nuclear weapons program employees.
Sec. 1668. Plan to train officers in nuclear command, control, and communications.
Sec. 1669. Independent study on options to increase Presidential decision-time regarding nuclear weapons employment.
Sec. 1670. Extension of annual report on plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system.
Sec. 1671. Plan for alignment of acquisition of warhead life extension programs and delivery vehicles for such warheads.
Sec. 1672. Annual report on development of long-range stand-off weapon.
Sec. 1673. Sense of Congress on nuclear posture of the United States.

Subtitle E—Missile Defense Programs

Sec. 1675. Development of persistent space-based sensor architecture.
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Sec. 1677. Extension of requirement for reports on unfunded priorities of Missile Defense Agency.
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Sec. 1679. Modification of requirement relating to transition of ballistic missile defense programs to military departments.
Sec. 1680. Modification of requirement to develop a space-based ballistic missile intercept layer.
Sec. 1681. Improvements to acquisition processes of Missile Defense Agency.
Sec. 1682. Layered defense of the United States homeland.
Sec. 1683. Testing of redesigned kill vehicle prior to production and ground-based midcourse defense acceleration options.
Sec. 1684. Requirements for ballistic missile defense capable ships.
Sec. 1685. Multiyear procurement authority for standard missile–3 IB guided missiles.
Sec. 1686. Limitation on availability of funds for Army lower tier air and missile defense sensor.
Sec. 1687. Missile defense radar in Hawaii.
Sec. 1688. Iron Dome short-range rocket defense system and Israeli cooperative missile defense program co-development and co-production.
Sec. 1689. Acceleration of hypersonic missile defense program.
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Subtitle F—Other Matters

Sec. 1695. Extension of Commission to Assess the Threat to the United States from Electromagnetic Pulse Attacks and Similar Events.
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Subtitle A—Space Activities

SEC. 1601. IMPROVEMENTS TO ACQUISITION SYSTEM, PERSONNEL, AND ORGANIZATION OF SPACE FORCES.

(a) ESTABLISHMENT OF SUBORDINATE UNIFIED COMMAND.—

(1) IN GENERAL.—Chapter 6 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 169. Subordinate unified command of the United States Strategic Command

"(a) ESTABLISHMENT.—With the advice and assistance of the Chairman of the Joint Chiefs of Staff, the President, through the Secretary of Defense, shall establish under the United States Strategic Command a subordinate unified command to be known as the United States Space Command (in this section referred to as 'space command') for carrying out joint space warfighting operations.

"(b) ASSIGNMENT OF FORCES.—Unless otherwise directed by the Secretary of Defense, all active and reserve space warfighting operational forces of the armed forces shall be assigned to the space command.

"(c) COMMANDER.—(1) The commander of the space command shall hold the grade of general or, in the case of an officer of the Navy, admiral while serving in that position, without vacating the permanent grade of the officer. The commander shall be appointed to that grade by the President, by and with the advice and consent

of the Senate, for service in that position. The position shall be designated, pursuant to subsection (b) of section 526 of this title, as one of the general officer and flag officer positions to be excluded from the limitations in subsection (a) of such section.

"(2) During the three-year period following the date on which the space command is established, the commander of the Air Force Space Command may also serve as the commander of the space command so established. After such period, one individual may not concurrently serve as both such commanders.

"(d) AUTHORITY OF COMMANDER.—(1) Subject to the authority, direction, and control of the commander of the United States Strategic Command, the commander of the space command shall be responsible for, and shall have the authority to conduct, all affairs of such command relating to joint space warfighting operations.

"(2)(A) Subject to the authority, direction, and control of the Deputy Secretary of Defense, the commander of the space command shall be responsible for, and shall have the authority to conduct, the following functions relating to joint space warfighting operations (whether or not relating to the space command):

"(i) Developing strategy, doctrine, and tactics.

"(ii) Preparing and submitting to the Secretary of Defense program recommendations and budget proposals for space operations forces and for other forces assigned to the space command.

"(iii) Exercising authority, direction, and control over the expenditure of funds for forces assigned directly to the space command.

"(iv) Training and certification of assigned joint forces.

"(v) Conducting specialized courses of instruction for commissioned and noncommissioned officers.

"(vi) Validating requirements.

"(vii) Establishing priorities for requirements.

"(viii) Ensuring the interoperability of equipment and forces.

"(ix) Formulating and submitting requirements for intelligence support.

"(x) Monitoring the promotion of space operation forces and coordinating with the military departments regarding the assignment, retention, training, professional military education, and special and incentive pays of space operation forces.

"(B) The authority, direction, and control exercised by the Deputy Secretary of Defense for purposes of this paragraph is authority, direction, and control with respect to the administration and support of the space command, including readiness and organization of space operations forces, space operations-peculiar equipment and resources, and civilian personnel.

"(C) Nothing in this paragraph shall be construed as providing the Deputy Secretary of Defense authority, direction, and control of operational matters that are subject to the operational chain of command of the combatant commands or the exercise of authority, direction, and control of personnel, resources, equipment, and other matters that are not space-operations peculiar and that are in the purview of the armed forces.

"(3) The commander of the space command shall be responsible for—

"(A) ensuring the combat readiness of forces assigned to the space command; and

"(B) monitoring the preparedness to carry out assigned missions of space forces assigned to unified combatant commands other than the United States Strategic Command.

"(4) The staff of the commander shall include an inspector general who shall conduct internal audits and inspections of purchasing and contracting actions through the space command and such other inspector general functions as may be assigned.

"(e) INTELLIGENCE AND SPECIAL ACTIVITIES.—This section does not constitute authority to conduct any activity which, if carried out as an intelligence activity by the Department of Defense, would require a notice to the Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives under title V of the National Security Act of 1947 (50 U.S.C. 3091 et seq.).".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 167b the following new item:

"169. Subordinate unified command of the United States Strategic Command".

(3) BRIEFING.—The Secretary of the Air Force shall provide the Committees on Armed Services of the House of Representatives and the Senate a briefing on the need to develop additional recruitment measures or Reserve Officer Training Corps programs relating to space career fields.

(b) PLAN FOR ACQUISITION SYSTEM.—

(1) DEVELOPMENT.—The Deputy Secretary of Defense shall develop a plan to establish a separate, alternative acquisition system for defense space acquisitions, including with respect to procuring space vehicles, ground segments relating to such vehicles, and satellite terminals.

(2) REQUIREMENTS PROCESS.—The plan developed under paragraph (1) shall include recommendations of the Deputy Secretary with respect to whether the separate, alternative acquisition system described in the plan should use the Joint Capabilities Integration and Development System process or instead use a new requirements process developed by the Deputy Secretary in a manner that ensures that requirements for a program are synchronized across the space vehicles, ground segments relating to such vehicles, and satellite terminals, of the program.

(3) EXCEPTION.—The plan developed under paragraph (1) shall cover defense space acquisitions except with respect to the National Reconnaissance Office and other elements of the Department of Defense that are elements of the intelligence community (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)).

(4) SUBMISSION.—Not later than December 31, 2019, the Deputy Secretary shall submit to the congressional defense committees a report containing the plan developed under paragraph (1).

(c) PLAN FOR CADRE DEVELOPMENT.—

(1) DEVELOPMENT.—The Secretary of the Air Force shall develop a plan to increase the number and improve the quality of the space cadre of the Air Force.

(2) MATTERS INCLUDED.—The plan developed under paragraph (1) shall address the following:

(A) Managing the career progression of members of the Armed Forces and civilian employees of the Department who form the space cadre of the Air Force throughout the military or civilian career of the member or the employee, as the case may be, including with respect to—

(i) defining career professional milestones;

(ii) pay and incentive structures;

(iii) the management and oversight of the space cadre;

(iv) training relating to planning and executing warfighting missions and operations in space;

(v) conducting periodic cadre-wide professional assessments to determine how the cadre is developing as a group; and

(vi) establishing a centralized method to control personnel assignments and distribution.

(B) The identification of future space-related career fields that the Secretary determines appropriate, including a space acquisition career field.

(C) The identification of any overlap that exists among operations and acquisitions career fields to determine opportunities for cross-functional career opportunities.

(3) SUBMISSION.—Not later than March 1, 2019, the Secretary shall submit to the congressional defense committees a report containing the plan developed under paragraph (1).

SEC. 1602. MODIFICATIONS TO SPACE RAPID CAPABILITIES OFFICE.

Section 2273a of title 10, United States Code, is amended to read as follows:

"§ 2273a. Space Rapid Capabilities Office

"(a) IN GENERAL.—There is within the Air Force Space Command a program office known as the Space Rapid Capabilities Office (in this section referred to as the 'Office'). The facilities of the Office may not be co-located with the headquarters facilities of the Air Force Space and Missile Systems Center.

"(b) HEAD OF OFFICE.—The head of the Office shall be the designee of the Secretary of the Air Force. The head of the Office shall report to the Commander of the Air Force Space Command.

"(c) MISSION.—The mission of the Office shall be—

"(1) to contribute to the development of low-cost, rapid reaction payloads, busses, launch, and launch control capabilities in order to fulfill joint military operational requirements for on-demand space support and reconstitution;

"(2) to coordinate and execute space rapid capabilities efforts across the Department of Defense with respect to planning, acquisition, and operations; and

"(3) to rapidly develop and field new classified space capabilities.

"(d) ACQUISITION AUTHORITY.—The acquisition activities of the Office shall be subject to the following:

"(1) The Secretary of the Air Force shall designate the acquisition executive of the Office who shall provide streamlined acquisition authorities for projects of the Office.

"(2) The Joint Capabilities Integration and Development System process shall not apply to acquisitions by the Office.

"(3) The Commander of the United States Strategic Command, acting through the United States Space Command, shall—

"(A) establish and validate capability requirements; and

"(B) recommend priorities as the Commander determines appropriate.

"(e) REQUIRED PROGRAM ELEMENT.—(1) The Secretary of the Air Force shall ensure, within budget program elements for space programs, that—

"(A) there are separate, dedicated unclassified and classified program elements for space rapid capabilities; and

"(B) the Office executes the responsibilities of the Office through such program elements.

"(2) The Office shall manage the program elements required by paragraph (1).

"(f) BOARD OF DIRECTORS.—The Secretary of the Air Force shall establish for the Office a Board of Directors (to be known as the 'Space Rapid Capabilities Board of Directors') to provide coordination, oversight, and approval of projects of the Office.".

SEC. 1603. RAPID, RESPONSIVE, AND RELIABLE SPACE LAUNCH.

(a) ASSURED ACCESS TO SPACE.—Section 2273 of title 10, United States Code, is amended—

(1) in subsection (b)—

(A) in paragraph (1), by striking "; and";

(B) in paragraph (2), by striking the period at the end and inserting "; and"; and

(C) by adding at the end the following new paragraph:

"(3) the availability of rapid, responsive, and reliable space launches for national security space programs to—

"(A) improve the responsiveness and flexibility of a national security space system;

"(B) lower the costs of launching a national security space system; and

"(C) maintain risks of mission success at acceptable levels."; and

(2) in subsection (c), by inserting before the period at the end the following: "and the Director of National Intelligence".

(b) REUSABILITY OF LAUNCH VEHICLES.—

(1) DESIGNATION.—Effective March 1, 2019, the Evolved Expendable Launch Vehicle program of the Department of Defense shall be known as the "National Security Space Launch program". Any reference in Federal law, regulations, guidance, instructions, or other documents of the Federal Government to the Evolved Expendable Launch Vehicle program shall be deemed to be a reference to the National Security Space Launch program.

(2) REQUIREMENT.—In carrying out the National Security Space Launch program, the Secretary of Defense shall provide for consideration of both reusable and expendable launch vehicles with respect to any solicitation occurring on or after March

1, 2019, for which the use of a reusable launch vehicle is technically capable and maintains risk at acceptable levels.

(3) NOTIFICATION OF SOLICITATIONS FOR NON-REUSABLE LAUNCH VEHICLES.—Beginning March 1, 2019, if the Secretary proposes to issue a solicitation for a contract for space launch services for which the use of reusable launch vehicles is not eligible for the award of the contract, the Secretary shall notify in writing the appropriate congressional committees of such proposed solicitation, including justifications for such ineligibility, by not later than 10 days after issuing such solicitation.

(c) RISK AND COST IMPACT ANALYSIS.—

(1) IN GENERAL.—The Secretary shall conduct a risk and cost impact analysis with respect to launch services that use reusable launch vehicles. Such analysis shall include—

(A) an assessment of how the inspection and certification regime of the Air Force for previously flown launch vehicles will ensure increased responsiveness and operational flexibility while maintaining acceptable risk; and

(B) an assessment of the anticipated cost savings to the Department of Defense realized by using a previously flown launch vehicle or components.

(2) SUBMISSION.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the appropriate congressional committees the analysis conducted under paragraph (1).

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means the following:

(1) The congressional defense committees.

(2) The Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

SEC. 1604. PROVISION OF SPACE SITUATIONAL AWARENESS SERVICES AND INFORMATION.

(a) ROLE OF DEPARTMENT OF DEFENSE.—Section 2274(a) of title 10, United States Code, is amended—

(1) by striking "The Secretary of Defense may" and inserting "(1) Except as provided by paragraph (2), the Secretary of Defense may"; and

(2) by adding at the end the following new paragraph:

"(2) Beginning January 1, 2024, the Secretary may provide space situational awareness services and information to, and may obtain space situational awareness data and information from, non-United States Government entities under paragraph (1) only to the extent that the Secretary determines such actions are necessary to meet the national security interests of the United States.".

(b) PLAN.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the President shall transmit to the appropriate congressional committees a plan for a department or agency of the United States Government other than the Department of Defense to provide space situational awareness services and information to non-United States Government entities.

(2) MATTERS INCLUDED.—The plan under paragraph (1) shall include the following:

(A) An assessment of the existing and planned staff, budgetary resources, and relevant institutional expertise of the department or agency covered by the plan with respect to providing space situational awareness services and information.

(B) An assessment of the demonstrated ability of such department or agency to work collaboratively with industry and academia in developing best practices or consensus standards.

(C) An assessment of the existing and planned capacity of such department or agency to facilitate communication between space object operators to avoid a collision.

(D) The ability of such department or agency to use other transaction agreements or similar transaction mechanisms to support space traffic management requirements.

(E) Any additional authorities that would be required to assume the responsibility described in paragraph (1).

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means the following:

(1) The congressional defense committees.

(2) The Committee on Science, Space, and Technology, the Committee on Transportation and Infrastructure, the Committee on Energy and Commerce, and the Committee on Foreign Affairs of the House of Representatives.

(3) The Committee on Commerce, Science, and Transportation and the Committee on Foreign Relations of the Senate.

SEC. 1605. BUDGET ASSESSMENTS FOR NATIONAL SECURITY SPACE PROGRAMS.

Section 239(b)(1) of title 10, United States Code, is amended to read as follows:

"(1) Not later than 30 days after the date on which the President submits to Congress the budget for each of fiscal years 2017 through 2021, the Secretary of Defense shall submit to the congressional defense committees a report on the budget for national security space programs of the Department of Defense. The Secretary may include the report in the defense budget materials if the Secretary submits such materials to Congress by such date.".

SEC. 1606. IMPROVEMENTS TO COMMERCIAL SPACE LAUNCH OPERATIONS.

Section 1617 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1106; 51 U.S.C. 50918 note) is amended—

(1) in subsection (c)—

(A) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively; and

(B) by inserting after paragraph (1) the following new paragraph (2):

"(2) STREAMLINING.—

"(A) IN GENERAL.—With respect to any licensed activity under chapter 509 of title 51, United States Code, the Secretary of Defense may not impose any requirement on a licensee or transferee that is duplicative of, or overlaps in in-

tent with, any requirement imposed by the Secretary of Transportation under that chapter.

"(B) WAIVER.—The Secretary of the Air Force may waive the limitation under subparagraph (A) if—

"(i) the Secretary determines that imposing a requirement described in that subparagraph is necessary to avoid negative consequences for the national security space program; and

"(ii) the Secretary notifies the Secretary of Transportation of such determination before making such waiver."; and

(2) by adding at the end the following new subsection:

"(d) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to limit the ability of the Secretary of Defense to consult with the Secretary of Transportation with respect to requirements and approvals under chapter 509 of title 51, United States Code.".

SEC. 1607. SPACE WARFIGHTING POLICY, REVIEW OF SPACE CAPABILITIES, AND PLAN ON SPACE WARFIGHTING READINESS.

(a) SPACE WARFIGHTING POLICY.—Not later than March 29, 2019, the Secretary of Defense shall develop a space warfighting policy.

(b) REVIEW OF SPACE CAPABILITIES.—

(1) IN GENERAL.—The Secretary shall conduct a review relating to the national security space enterprise that evaluates the following:

(A) The resiliency of the national security space enterprise with respect to a conflict.

(B) The ability of the national security space enterprise to attribute an attack on a space system in a timely manner.

(C) The ability of the United States—

(i) to resolve a conflict in space; and

(ii) to determine the material means by which such conflict may be resolved.

(D) Specific options for the national security space enterprise to provide the ability—

(i) to defend against aggressive behavior in space at all levels of conflict;

(ii) to defeat any adversary that demonstrates aggressive behavior in space at all levels of conflict;

(iii) to deter aggressive behavior in space at all levels of conflict; and

(iv) to develop a declassification strategy, if required to demonstrate deterrence.

(E) The effectiveness and efficiency of the national security space enterprise to rapidly research, develop, acquire, and deploy space capabilities and capacities—

(i) to deter and defend the national security space assets of the United States; and

(ii) to respond to any new threat to such space assets.

(F) The roles, responsibilities, and authorities of the Department of Defense with respect to space control activities.

(G) Any emerging space threat the Secretary expects the United States to confront during the 10-year period beginning on the date of the enactment of this Act.

(H) Such other matters as the Secretary considers appropriate.

(2) REPORT.—

(A) IN GENERAL.—Not later than March 29, 2019, the Secretary shall submit to the congressional defense committees a report on the findings of the review under paragraph (1).

(B) FORM.—The report under subparagraph (A) shall be submitted in unclassified form, but may include a classified annex.

(c) PLAN ON SPACE WARFIGHTING READINESS.—

(1) IN GENERAL.—Not later than March 29, 2019, the Secretary of Defense shall develop, and commence the implementation of, a plan that—

(A) identifies joint mission-essential tasks for space as a warfighting domain;

(B) identifies any additional authorities, or delegated authorities, that would need to accompany the employment of forces to meet such mission-essential tasks;

(C) meets the readiness requirements for space warfighting, including with respect to equipment, training, and personnel, to meet such mission-essential tasks; and

(D) considers the contributions by allies and partners of the United States with respect to defense space capabilities to increase burden sharing across space systems, as appropriate.

(2) BRIEFING.—Not later than March 29, 2019, the Secretary shall provide to the Committees on Armed Services of the House of Representatives and the Senate, and to any other congressional defense committee upon request, a briefing describing the authorities identified under paragraph (1)(B) that the Secretary determines require legislative action.

SEC. 1608. USE OF SMALL- AND MEDIUM-SIZE BUSES FOR STRATEGIC AND TACTICAL SATELLITE PAYLOADS.

(a) BRIEFING ON RISKS, BENEFITS, AND COST SAVINGS.—

(1) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, shall provide to the Committees on Armed Services of the House of Representatives and the Senate, and to any other appropriate congressional committee upon request, a briefing on the risks, benefits, and cost savings with respect to using small- and medium-size buses for strategic and tactical satellite payloads for protected satellite communications programs and next-generation overhead persistent infrared systems.

(2) MATTERS INCLUDED.—The briefing provided under paragraph (1) shall address the following:

(A) Increasing component and subcomponent commonality for power regulation, solar arrays, battery technology, thermal control, and avionics.

(B) The security of the supply chain, including a strategy to mitigate risk in such supply chain.

(C) Requirements for radiation hardening of critical components.

(b) ANALYSES OF ALTERNATIVES.—

(1) CERTIFICATIONS.—Upon the completion of each analysis of alternatives of new space vehicles relating to a program described in paragraph (2), the Director for Cost Assessment and Program Evaluation shall certify to the appropriate congressional committees that the analysis—

(A) includes materiel solutions for using small- and medium-size buses; and

(B) considers the relevant operational benefits and potential cost savings of using small-, medium-, and large-size buses.

(2) PROGRAMS DESCRIBED.—The programs described in this paragraph are the programs of the Department of Defense relating to any of the following:

(A) Protected satellite communications.

(B) Next-generation overhead persistent infrared systems.

(C) Space-based environmental monitoring.

(c) BRIEFING ON ALTERNATIVE SPACE-BASED ARCHITECTURES.—Not later than 240 days after the date of the enactment of this Act, the Secretary of Defense, the Secretary of the Air Force, and the Chairman of the Joint Chiefs of Staff shall jointly provide to the Committees on Armed Services of the House of Representatives and the Senate, and to any other appropriate congressional committee upon request, a briefing on alternative space-based architectures for the programs described in subsection (b)(2) using small-, medium-, and large-size buses.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means the following:

(1) The congressional defense committees.

(2) The Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

SEC. 1609. ENHANCEMENT OF POSITIONING, NAVIGATION, AND TIMING CAPACITY.

(a) CAPABILITY FOR TRUSTED SIGNALS.—

(1) REQUIREMENT.—Except as provided by paragraph (2), subject to appropriate mitigation efforts, the Secretary of the Air Force shall ensure that military Global Positioning System user equipment terminals have the capability to receive trusted signals from the Galileo satellites of the European Union and the QZSS satellites of Japan, beginning with increment 2 of the acquisition of such terminals.

(2) WAIVER.—The Secretary of Defense may waive, on a case-by-case basis, the requirement under paragraph (1) for military Global Positioning System user equipment terminals to have the capability described in such paragraph if the Secretary submits to the congressional defense committees a report containing—

(A) the rationale for why the Secretary could not integrate such capability beginning with increment 2 of the acquisition of such terminals; and

(B) a plan, including a timeline, to incorporate such capability in future increments of such terminals.

(3) LIMITATION ON DELEGATION.—The Secretary of Defense may not delegate the authority under paragraph (2) to make a waiver below the Deputy Secretary of Defense.

(b) CAPABILITY FOR OTHER SIGNALS.—The Secretary of the Air Force shall ensure that military Global Positioning System user equipment terminals having the capability to receive non-allied positioning, navigation, and timing signals, beginning with increment 2 of the acquisition of such terminals, if the Secretary of Defense, in consultation with the Commander of the United States Strategic Command, determines that—

(1) the benefits of receiving such signals outweigh the risks; or

(2) such risks can be appropriately mitigated.

(c) ENGAGEMENT.—The Secretary of Defense and the Secretary of State shall jointly engage with relevant allies of the United States to—

(1) enable military Global Positioning System user equipment terminals to receive the positioning, navigation, and timing signals of such allies; and

(2) negotiate as appropriate other potential agreements relating to the enhancement of positioning, navigation, and timing.

SEC. 1610. DESIGNATION OF COMPONENT OF DEPARTMENT OF DEFENSE RESPONSIBLE FOR COORDINATION OF MODERNIZATION EFFORTS RELATING TO MILITARY-CODE CAPABLE GPS RECEIVER CARDS.

(a) DESIGNATION.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretaries of the military departments and the heads of Defense Agencies the Secretary determines appropriate, shall designate a component of the Office of the Secretary of Defense to be responsible for coordinating common solutions for the M-code modernization efforts among the military departments, Defense Agencies, and other appropriate elements of the Department of Defense.

(b) ROLES AND RESPONSIBILITIES.—The roles and responsibilities of the component selected under subsection (a) shall include the following:

(1) Identify the elements of the Department of Defense and the programs of the Department that require M-code capable receiver cards and determine—

(A) the number of total receiver cards required by the Department, including the number required for each such element and program and the military departments;

(B) the timeline, by fiscal year, for each program of the Department conducting M-code modernization efforts; and

(C) the projected cost for each such program.

(2) Systematically collect integration test data, lessons learned, and design solutions, and share such information with other elements of the Department.

(3) Identify ways the Department can prevent duplication in conducting M-code modernization efforts, and identify, to the extent practicable, potential cost savings that could be realized by addressing such duplication.

(4) Coordinate the integration, testing, and procurement of M-code capable receiver cards to ensure that the Department maximizes the buying power of the Department, reduces duplication, and saves resources, where possible.

(c) SUPPORT.—The Secretary of Defense shall ensure the military departments, the Defense Agencies, and other elements of the Department of Defense provide the component selected under subsection (a) with the appropriate support and resources needed to perform the roles and responsibilities under subsection (b).

(d) REPORTS.—Not later than March 15, 2019, and annually thereafter through 2021, the Secretary of Defense shall provide to the congressional defense committees a report on M-code modernization efforts. Each report shall include, with respect to the period covered by the report, the following:

(1) The projected cost and schedule, by fiscal year, for the Department to acquire M-code capable receiver cards.

(2) The programs of the Department conducting M-code modernization efforts.

(3) The number of M-code capable receiver cards procured by the Department, the number of such receiver cards yet to be procured, and the percentage of the M-code modernization efforts completed by each program identified under paragraph (2).

(e) DEFINITIONS.—In this section:

(1) The term "M-code capable receiver card" means a Global Positioning System receiver card that is capable of receiving military code that provides enhanced positioning, navigation, and timing capabilities and improved resistance to existing and emerging threats, such as jamming.

(2) The term "M-code modernization efforts" means the development, integration, testing, and procurement programs of the Department of Defense relating to developing M-code capable receiver cards.

SEC. 1611. DESIGNATION OF COMPONENT OF DEPARTMENT OF DEFENSE RESPONSIBLE FOR COORDINATION OF HOSTED PAYLOAD INFORMATION.

Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense, in coordination with the Secretary of the Air Force, and other Secretaries of the military departments and the heads of Defense Agencies the Secretary determines appropriate, shall designate a component of the Department of Defense or a military department to be responsible for coordinating information, processes, and lessons learned relating to using commercially hosted payloads across the military departments, Defense Agencies, and other appropriate elements of the Department of Defense. The functions of such designated component shall include, at a minimum, the following:

(1) Systematically collecting information from past and planned hosted payload arrangements to inform future acquisition planning and space system architecture design, including integration test data, lessons learned, and design solutions.

(2) Creating a centralized database for cost, technical data, and lessons learned on commercially hosted payloads and sharing such information with other elements of the Department.

SEC. 1612. LIMITATION ON AVAILABILITY OF FUNDS FOR JOINT SPACE OPERATIONS CENTER MISSION SYSTEM.

(a) JMS.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Joint Space Operations Center mission system, not more than 50 percent may be obligated or expended until the date on which the Secretary of the Air Force makes the certification under subsection (c).

(b) ESBMC2.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for service and management applications of the enterprise space battle management command and control, not more than 75 percent may be obligated or expended until the date on which the Secretary of the Air Force makes the certification under subsection (c).

(c) CERTIFICATION.—The Secretary of the Air Force, without delegation, shall certify to the congressional defense committees that the Secretary has entered into a contract to operationalize existing, proven, best-in-breed commercial space situational awareness processing software to address warfighter requirements and fill gaps in current space situational capabilities.

SEC. 1613. EVALUATION AND ENHANCED SECURITY OF SUPPLY CHAIN FOR PROTECTED SATELLITE COMMUNICATIONS PROGRAMS AND OVERHEAD PERSISTENT INFRARED SYSTEMS.

(a) EVALUATIONS OF SUPPLY CHAIN VULNERABILITIES.—

(1) IN GENERAL.—Not later than December 31, 2020, and in accordance with the plan under paragraph (2)(A), the Secretary of Defense, in coordination with the Director of National Intelligence, shall conduct evaluations of the supply chain vulnerabilities of each covered program.

(2) PLAN.—

(A) DEVELOPMENT.—The Secretary shall develop a plan to carry out the evaluations under paragraph (1), including with respect to the personnel and resources required to carry out such evaluations.

(B) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall provide to the Committees on Armed Services of the House of Representatives and the Senate, and to any other appropriate congressional committee upon request, a briefing on the plan under subparagraph (A).

(3) WAIVER.—The Secretary may waive, on a case-by-case basis with respect to a covered program, either the requirement to conduct an evaluation under paragraph (1) or the deadline specified in such paragraph if the Secretary certifies to the congressional defense committees before such date that all known supply chain vulnerabilities of such covered program have minimal consequences for the capability of such covered program to meet operational requirements or otherwise satisfy mission requirements.

(4) RISK MITIGATION STRATEGIES.—In carrying out an evaluation under paragraph (1), the Secretary shall develop—

(A) strategies for mitigating the risks of supply chain vulnerabilities identified in the course of such evaluation; and

(B) cost estimates for such strategies.

(b) PRIORITIZATION OF CERTAIN SUPPLY CHAIN RISK MANAGEMENT EFFORTS.—

(1) INSTRUCTIONS.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall issue a Department of Defense Instruction, or update such an Instruction, establishing the prioritization of supply chain risk management programs, including supply chain risk management threat assessment reporting, to ensure that acquisition and sustainment programs relating to covered programs receive priority of such supply chain risk management programs and reporting.

(2) REQUIREMENTS.—

(A) ESTABLISHMENT.—The Secretary shall establish requirements to carry out supply chain risk management threat assessment collections and analyses under acquisition and sustainment programs relating to covered programs.

(B) BRIEFING.—Not later than 120 days after the date of the enactment of this Act, the Secretary shall provide to the Committees on Armed Services of the House of Representatives and the Senate, and to any other appropriate congressional committee upon request, a briefing on the requirements established under subparagraph (A).

(c) DEFINITIONS.—In this section:

(1) The term "appropriate congressional committees" means the following:

(A) The congressional defense committees.

(B) The Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

(2) The term "covered programs" means programs of the Department of Defense relating to any of the following:

(A) Protected satellite communications.

(B) Next-generation overhead persistent infrared systems.

SEC. 1614. REPORT ON PROTECTED SATELLITE COMMUNICATIONS.

Not later than December 31, 2018, the Secretary of Defense shall submit to the congressional defense committees a report on how each of the following programs will meet the requirements for resilience, mission assurance, and the nuclear command, control, and communication missions of the Department of Defense:

(1) The evolved strategic satellite program.

(2) The protected tactical service program.

(3) The protected tactical enterprise service program.

SEC. 1615. REPORT ON ENHANCEMENTS TO THE GLOBAL POSITIONING SYSTEM OPERATIONAL CONTROL SEGMENT.

(a) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report that identifies whether the current Global Positioning System Operational Control Segment (in this section referred to as "OCS") can be incrementally improved to achieve capabilities similar to the Next Generation Operational Control Segment (in this section referred to as "OCX") used to operate the Global Positioning System III.

(b) ELEMENTS.—The report required under subsection (a) shall include the following elements:

(1) A cybersecurity review of both OCS and OCX to determine the specific cybersecurity improvements needed to operate the system through 2030, including—

(A) the cybersecurity improvements to OCS needed to match the cybersecurity capabilities that OCX is intended to provide;

(B) any additional OCS cybersecurity protections needed beyond those OCX is intended to provide; and

(C) any additional OCX cybersecurity protections needed beyond those for which OCX is currently contracted.

(2) An incremental development plan for OCS, including—

(A) the number of additional incremental upgrades needed to achieve capabilities similar to OCX, including a discussion of—

(i) any additional capabilities needed;

(ii) the specific capabilities in each upgrade;

(iii) the duration of each upgrade; and

(iv) a full schedule to complete all upgrades;

(B) the estimated cost for each incremental OCS upgrade; and

(C) the total estimated cost across fiscal years for all OCS upgrades to achieve capabilities similar to OCX and any additional capabilities.

(3) The date by which the Department of Defense would have to begin contracting for each incremental OCS upgrade to ensure availability of OCS for the Global Positioning System III.

(4) A comparison of current improvements to OCS that are underway, and additional OCS incremental improvements described under paragraph (2), to the program of record OCX capabilities, including—

(A) the acquisition and sustainment cost by fiscal year through fiscal year 2030 for OCS and OCX;

(B) a comparison schedule between OCS (including incremental improvements described under paragraph (2)) and OCX that identifies the delivery dates and capability delivered; and

(C) the cost and schedule required to provide OCX with any additional needed capabilities that are now required and not currently in the program of record.

SEC. 1616. REPORT ON PERSISTENT WEATHER IMAGERY FOR UNITED STATES CENTRAL COMMAND.

(a) REPORT.—Not later than March 1, 2019, the Secretary of the Air Force shall submit to the congressional defense committees a report on options to provide the United States Central Command with persistent weather imagery for the area of operations of the Command beginning not later than January 1, 2026.

(b) MATTERS INCLUDED.—The report under subsection (a) shall include the following:

(1) A description of long-term options for providing the United States Central Command with persistent weather imagery for the area of operations of the Command that—

(A) do not rely on data provided by a foreign government; and

(B) do not include relocating legacy geostationary operational environmental satellites.

(2) A description of the costs required to carry out each option included in the report.

SEC. 1617. STUDY ON SPACE-BASED RADIO FREQUENCY MAPPING.

(a) STUDY.—The Secretary of Defense and the Director of National Intelligence shall jointly conduct a study on the capabilities of the private sector with respect to space-based radio frequency mapping and associated operations and services for space-based electromagnetic collections. Such study shall address the following:

(1) The near-term commercial market offerings of such operations and services in the United States and outside the United States.

(2) The potential national security benefits to the United States provided by such operations and services.

(3) The potential national security risks to the United States posed by such operations and services.

(4) The sufficiency of existing legal authorities available to the Secretary and the Director to address such potential risks.

(b) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary and the Director shall jointly submit to the congressional defense committees, the Permanent Select Committee on Intelligence of the House of Representatives, and the Select Committee on Intelligence of the Senate a report containing the study under subsection (a).

SEC. 1618. INDEPENDENT STUDY ON SPACE LAUNCH LOCATIONS.

(a) INDEPENDENT STUDY.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into a contract with a federally funded research and development center to conduct a study on space launch locations, including with respect to the development and capacity of existing and new locations. The study shall, at a minimum—

(1) identify how additional locations affect the capability of the Department of Defense to rapidly reconstitute and improve resilience for defense satellite system launches;

(2) identify the capacities of current and new space launch locations, in light of the rapid increase in using commercial space services to support national security space missions and military requirements;

(3) identify partnerships within State government-owned and operated spaceports that should be developed to increase launch capacities and enhance the space resiliency of the United States;

(4) provide recommendations on strategic placement for future space launch sites; and

(5) identify costs associated with additional locations and whether such costs should be borne by the Department of Defense, State governments, or private entities.

(b) SUBMISSION TO DOD.—Not later than 240 days after the date of the enactment of this Act, the federally funded research and development center shall submit to the Secretary a report containing the study conducted under subsection (a).

(c) SUBMISSION TO CONGRESS.—Not later than 270 days after the date of the enactment of this Act, the Secretary shall submit to the appropriate congressional committees the report under subsection (a), without change.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means the following:

(1) The congressional defense committees.

(2) The Committee on Science, Space, and Technology and the Committee on Transportation and Infrastructure of the House of Representatives.

(3) The Committee on Commerce, Science, and Transportation of the Senate.

SEC. 1619. BRIEFING ON COMMERCIAL SATELLITE SERVICING CAPABILITIES.

(a) BRIEFING.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Director of National Intelligence, shall jointly provide the Committees on Armed Services of the House of Representatives and the Senate, and to any other appropriate congressional committee upon request, a briefing detailing the costs, risks, and operational benefits of leveraging commercial satellite servicing capabilities for national security satellite systems.

(b) ELEMENTS.—The briefing under subsection (a) shall include the following:

(1) A prioritized list, with rationale, of operational and planned assets of the Department of Defense that could be enhanced by satellite servicing missions.

(2) The costs, risks, and benefits of integrating satellite servicing capabilities as a part of operational resilience.

(3) Potential strategies that could allow future national security space systems to leverage commercial on-orbit servicing capabilities where appropriate and feasible.

(c) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committee" means—

(1) the congressional defense committees;

(2) the Committee on Science, Space, and Technology and the Permanent Select Committee on Intelligence of the House of Representatives; and

(3) the Committee on Commerce, Science, and Transportation and the Select Committee on Intelligence of the Senate.

Subtitle B—Defense Intelligence and Intelligence-Related Activities

SEC. 1621. ROLE OF UNDER SECRETARY OF DEFENSE FOR INTELLIGENCE.

Subsection (b) of section 137 of title 10, United States Code, is amended to read as follows:

"(b) Subject to the authority, direction, and control of the Secretary of Defense, the Under Secretary of Defense for Intelligence shall—

"(1) have responsibility for the overall direction and supervision for policy, program planning and execution, and use of

resources, for the activities of the Department of Defense that are part of the Military Intelligence Program;

"(2) execute the functions for the National Intelligence Program of the Department of Defense under section 105 of the National Security Act of 1947 (50 U.S.C. 3038), as delegated by the Secretary of Defense;

"(3) have responsibility for the overall direction and supervision for policy, program planning and execution, and use of resources, for personnel security, physical security, industrial security, and the protection of classified information and controlled unclassified information, related activities of the Department of Defense; and

"(4) perform such duties and exercise such powers as the Secretary of Defense may prescribe in the area of intelligence.".

SEC. 1622. SECURITY VETTING FOR FOREIGN NATIONALS.

(a) IN GENERAL.—Chapter 80 of title 10, United States Code, is amended by inserting after section 1564a the following new section:

"§ 1564b. Security vetting for foreign nationals

"(a) STANDARDS AND PROCESS.—(1) The Secretary of Defense, in coordination with the Security Executive Agent established pursuant to Executive Order 13467 (73 Fed. Reg. 38103; 50 U.S.C. 3161 note), shall develop uniform and consistent standards and a centralized process for the screening and vetting of covered foreign individuals requiring access to systems, facilities, personnel, information, or operations, of the Department of Defense, including with respect to the background investigations of covered foreign individuals requiring access to classified information.

"(2) The Secretary shall ensure that the standards developed under paragraph (1) are consistent with relevant directives of the Security Executive Agent.

"(3) The Secretary shall designate an official of the Department of Defense to be responsible for executing the centralized process developed under paragraph (1) and adjudicating any information discovered pursuant to such process.

"(b) OTHER USES.—In addition to using the centralized process developed under subsection (a)(1) for covered foreign individuals, the Secretary may use the centralized process in determining whether to grant a security clearance to any individual with significant foreign influence or foreign preference issues, in accordance with the adjudicative guidelines under part 147 of title 32, Code of Federal Regulations, or such successor regulation.

"(c) COVERED FOREIGN INDIVIDUAL DEFINED.—In this section, the term 'covered foreign individual' means an individual who meets the following criteria:

"(1) The individual is—

"(A) a national of a foreign state;

"(B) a national of the United States (as such term is defined in section 101 of the Immigration and Nationality Act (8 U.S.C. 1101)) and also a national of a foreign state; or

"(C) an alien who is lawfully admitted for permanent residence (as such term is defined in section 101 of the Immigration and Nationality Act (8 U.S.C. 1101)).

"(2) The individual is either—

"(A) a civilian employee of the Department of Defense or a contractor of the Department; or

"(B) a member of the armed forces.".

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 1564a the following new item:

"1564b. Security vetting for foreign nationals.".

(c) BRIEFING.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall provide to the Committees on Armed Services of the House of Representatives and the Senate, and to any other appropriate congressional committee upon request, a briefing on—

(A) the process developed under paragraph (1) of section 1564b(a) of title 10, United States Code, as added by subsection (a); and

(B) the official designated under paragraph (3) of such section 1564b(a).

(2) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this subsection, the term "appropriate congressional committees" means the following:

(A) The Committees on Armed Services of the House of Representatives and the Senate.

(B) The Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

SEC. 1623. DEPARTMENT OF DEFENSE COUNTERINTELLIGENCE POLYGRAPH PROGRAM.

(a) ADDITION OF DUAL-NATIONALS.—Subsection (b) of section 1564a of title 10, United States Code, is amended to read as follows:

"(b) PERSONS COVERED.—Except as provided in subsection (d), the following persons are subject to this section:

"(1) With respect to persons whose duties are described in subsection (c)—

"(A) military and civilian personnel of the Department of Defense;

"(B) personnel of defense contractors;

"(C) persons assigned or detailed to the Department of Defense; and

"(D) applicants for a position in the Department of Defense.

"(2) A person who is—

"(A) a national of the United States (as such term is defined in section 101 of the Immigration and Nationality Act (8 U.S.C. 1101)) and also a national of a foreign state; and

"(B) either—

"(i) a civilian employee or contractor who requires access to classified information; or

"(ii) a member of the armed forces who requires access to classified information.".

(b) STANDARDS FOR DUAL-NATIONALS.—Subsection (e)(2) of such section is amended by adding at the end the following new subparagraph:

"(D) With respect to persons described in subsection (b)(2), to assist in assessing any counterintelligence threats identified in an authorized investigation of foreign preference or foreign influence risks, as described in part 147 of title 32, Code of Federal Regulations, or such successor regulations.".

(c) CONFORMING AMENDMENTS.—Such section is further amended—

(1) in subsection (c), by striking "in subsection (b)" and inserting "in subsection (b)(1)"; and

(2) in subsection (e)(2)(A), by striking "in subsections (b)" and inserting "in subsections (b)(1)".

(d) RULE OF CONSTRUCTION.—Nothing in section 1564a of title 10, United States Code, as amended by this section, shall be construed to prohibit the granting of a security clearance to persons described in subsection (b)(2) of such section absent information relevant to the adjudication process, as described in part 147 of title 32, Code of Federal Regulations, or such successor regulations.

SEC. 1624. DEFENSE INTELLIGENCE BUSINESS MANAGEMENT SYSTEMS.

(a) STANDARDIZED BUSINESS PROCESS RULES.—

(1) DEVELOPMENT.—Not later than October 1, 2020, the Chief Management Officer of the Department of Defense, in coordination with the Under Secretary of Defense (Comptroller) and the Under Secretary of Defense for Intelligence, shall develop and implement standardized business process rules for the planning, programming, budgeting, and execution process for the Military Intelligence Program.

(2) TREATMENT OF DATA.—The Chief Management Officer shall develop the standardized business process rules under paragraph (1) in accordance with section 911 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1519; 10 U.S.C. 2222 note) and section 2222(e)(6) of title 10, United States Code.

(3) USE OF EXISTING SYSTEMS.—In developing the standardized business process rules under paragraph (1), to the extent practicable, the Chief Management Officer shall use enterprise business systems of the Department of Defense in existence as of the date of the enactment of this Act.

(4) REPORT.—Not later than March 1, 2019, the Chief Management Officer of the Department of Defense, the Under Secretary of Defense (Comptroller), and the Under Secretary of Defense for Intelligence shall jointly submit to the appropriate congressional committees a report containing a plan to develop the standardized business process rules under paragraph (1).

(5) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this subsection, the term "appropriate congressional committees" means the following:

(A) The congressional defense committees.

(B) The Permanent Select Committee on Intelligence of the House of Representatives and the Select Committee on Intelligence of the Senate.

(b) PROGRAM ELEMENTS.—

(1) IN GENERAL.—Chapter 9 of title 10, United States Code, is amended by adding at the end the following new section:

"§ 239b. Certain intelligence-related programs: budget justification materials

"(a) PROHIBITION ON USE OF PROGRAM ELEMENTS.—In the budget justification materials submitted to Congress in support of the Department of Defense budget for fiscal year 2021 and each fiscal year thereafter (as submitted with the budget of the President under section 1105(a) of title 31), the Secretary of Defense may not include in any single program element both funds made available under the Military Intelligence Program and funds made available outside of the Military Intelligence Program.

"(b) DEFINITIONS.—In this section:

"(1) The term 'budget' has the meaning given that term in section 231(f) of this title.

"(2) The term 'defense budget materials' has the meaning given that term in section 231(f) of this title.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 239a the following new item:

"239b. Certain intelligence-related programs: budget justification materials.".

SEC. 1625. MODIFICATION TO ANNUAL BRIEFING ON THE INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE REQUIREMENTS OF THE COMBATANT COMMANDS.

(a) IN GENERAL.—Section 1626 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3635), as amended by section 1624 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1732), is further amended—

(1) in the matter preceding paragraph (1), by striking "2020" and inserting "2025"; and

(2) in paragraph (1)—

(A) in subparagraph (B), by striking "; and" and inserting a semicolon; and

(B) by adding at the end the following new subparagraph:

"(D) for the year preceding the year in which the briefing is provided—

"(i) the number of hours or amount of capacity of intelligence, surveillance, and reconnaissance requested by each commander of a combatant command, by specific intelligence capability type;

"(ii) the number of such requests identified under clause (i) that the Joint Chiefs of Staff determined to be a validated requirement, including the number of hours or amount of capacity of such requests that were provided to each such commander; and

"(iii) with respect to such validated requirements, the number of hours or amount of capacity of intelligence, surveillance, and reconnaissance, by specific intelligence capability type, that the Joint Chiefs of Staff requested each military department to provide, and the number of such hours or the amount of such capacity so provided by each such military department; and".

(b) CODIFICATION.—Such section 1626, as amended by subsection (a), is—

(1) transferred to chapter 21 of title 10, United States Code; and

(2) redesignated as subsection (c) of section 426 of such title.

SEC. 1626. FRAMEWORK ON GOVERNANCE, MISSION MANAGEMENT, RESOURCING, AND EFFECTIVE OVERSIGHT OF COMBAT SUPPORT AGENCIES THAT ARE ALSO ELEMENTS OF THE INTELLIGENCE COMMUNITY.

(a) FRAMEWORK REQUIRED.—

(1) IN GENERAL.—In accordance with section 105 of the National Security Act of 1947 (50 U.S.C. 3038), section 193 of title 10, United States Code, and section 1018 of the National Security Intelligence Reform Act of 2004 (Public Law 108–458; 50 U.S.C. 3023 note), the Secretary of Defense, in coordination with the Director of National Intelligence, shall develop and establish in policy a framework and supporting processes within the Department of Defense to help ensure that the missions, roles, and functions of the combat support agencies of the Department of Defense that are also elements of the intelligence community, and other intelligence components of the Department, are appropriately balanced and resourced.

(2) SCOPE.—The framework shall include a consistent, repeatable process for the evaluation of proposed additions, transfers, or eliminations of a mission, role, or functions and associated resource profiles of the elements described in paragraph (1) for purposes of preventing imbalances in priorities, insufficient or misaligned resources, and the unauthorized expansion of mission parameters.

(b) ELEMENTS.—The framework required by subsection (a) shall include the following:

(1) A lexicon of relevant terms used by the Department of Defense and the Office of the Director of National Intelligence that—

(A) ensures consistent definitions are used in determinations about the balance described in subsection (a)(1); and

(B) reconciles jointly used definitions.

(2) A reevaluation of the intelligence components of the Department, including the Joint Intelligence Centers and Joint Intelligence Operations Centers within the combatant commands, in order to determine which components should be formally designated as part of the intelligence community and any components not so designated conform to relevant tradecraft standards.

(3) A repeatable process of the Department for evaluating the addition, transfer, or elimination of defense intelligence missions, roles, and functions, currently or to be performed by elements described in subsection (a)(1) that includes—

(A) a justification for any proposed addition, transfer, or elimination of a mission, role, or function;

(B) the identification of the elements in the Federal Government, if any, that currently perform the mission, role, or function concerned;

(C) for any proposed addition of a mission, role, or function, an assessment of the most appropriate element of

the Department to assume it, taking into account current resource profiles, scope of existing responsibilities, primary customers, and infrastructure necessary to support the addition; and

(D) for any proposed addition or transfer of a mission, role, or function—

(i) a determination of the appropriate resource profile for such mission, role, or function; and

(ii) the identification, in writing, for the Department elements concerned of the resources anticipated to be needed and source of such resources during the period covered by the future-years defense program submitted to Congress under section 221 of title 10, United States Code, as in effect at the time of the proposed addition or transfer.

(c) BRIEFING.—Not later than 180 days after the date of the enactment of this Act, the Secretary, in coordination with the Director, shall provide to the Committees on Armed Services of the House of Representatives and the Senate, and to any other appropriate congressional committee upon request, a briefing on the framework required by subsection (a).

(d) POLICY.—Not later than 270 days after the date of the enactment of this Act, the Secretary, in coordination with the Director, shall submit to the appropriate congressional committees a report setting forth the policy establishing the framework required by subsection (a).

(e) DEFINITIONS.—In this section:

(1) The term "appropriate congressional committees" means—

(A) the Committee on Armed Services, the Committee on Appropriations, and the Select Committee on Intelligence of the Senate; and

(B) the Committee on Armed Services, the Committee on Appropriations, and the Permanent Select Committee on Intelligence of the House of Representatives.

(2) The term "combat support agency" has the meaning given that term in section 193 of title 10, United States Code.

(3) The term "intelligence community" has the meaning given that term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 3003(4)).

Subtitle C—Cyberspace-Related Matters

SEC. 1631. REORGANIZATION AND CONSOLIDATION OF CERTAIN CYBER PROVISIONS.

(a) IN GENERAL.—Part I of subtitle A of title 10, United States Code, is amended—

(1) by transferring sections 130g, 130j, and 130k to chapter 19 of such part to appear after section 393 of such chapter; and

(2) by redesignating such sections 130g, 130j, and 130k, as transferred by paragraph (1), as sections 394, 395, and 396, respectively.

(b) CONFORMING AMENDMENT.—Section 108(m) of the Cybersecurity Information Sharing Act of 2015 (6 U.S.C. 1507(m)) is amended by striking "under section 130g" and inserting "under section 394".

(c) CLERICAL AMENDMENTS.—(1) The table of sections at the beginning of chapter 3 of title 10, United States Code, is amended by striking the items relating to sections 130g, 130j, and 130k.

(2) The table of sections at the beginning of chapter 19 of such title is amended by adding at the end the following new items:

"394. Authorities concerning military cyber operations.
"395. Notification requirements for sensitive military cyber operations.
"396. Notification requirements for cyber weapons.".

SEC. 1632. AFFIRMING THE AUTHORITY OF THE SECRETARY OF DEFENSE TO CONDUCT MILITARY ACTIVITIES AND OPERATIONS IN CYBERSPACE.

Section 394 of title 10, United States Code (as transferred and redesignated pursuant to section 1631), is amended—

(1) by striking "The Secretary" and inserting the following: "(a) IN GENERAL.—The Secretary";

(2) in subsection (a), as designated by paragraph (1)—

(A) by striking "conduct, a military cyber operation in response" and inserting "conduct, military cyber activities or operations in cyberspace, including clandestine military activities or operations in cyberspace, to defend the United States and its allies, including in response"; and

(B) by striking "(as such terms are defined in section 101 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1801))"; and

(3) by adding at the end the following new subsections:

"(b) AFFIRMATION OF AUTHORITY.—Congress affirms that the activities or operations referred to in subsection (a), when appropriately authorized, include the conduct of military activities or operations in cyberspace short of hostilities (as such term is used in the War Powers Resolution (Public Law 93–148; 50 U.S.C. 1541 et seq.)) or in areas in which hostilities are not occurring, including for the purpose of preparation of the environment, information operations, force protection, and deterrence of hostilities, or counterterrorism operations involving the Armed Forces of the United States.

"(c) CLANDESTINE ACTIVITIES OR OPERATIONS.—A clandestine military activity or operation in cyberspace shall be considered a traditional military activity for the purposes of section 503(e)(2) of the National Security Act of 1947 (50 U.S.C. 3093(e)(2)).

"(d) CONGRESSIONAL OVERSIGHT.—The Secretary shall brief the congressional defense committees about any military activities or operations in cyberspace, including clandestine military activities or operations in cyberspace, occurring during the previous quarter during the quarterly briefing required by section 484 of this title.

"(e) RULE OF CONSTRUCTION.—Nothing in this section may be construed to limit the authority of the Secretary to conduct military activities or operations in cyberspace, including clandestine military activities or operations in cyberspace, to authorize specific military activities or operations, or to alter or otherwise affect the War Powers Resolution (50 U.S.C. 1541 et seq.), the Authorization for Use of Military Force (Public Law 107–40; 50 U.S.C. 1541 note), or reporting of sensitive military cyber activities or operations required by section 395 of this title.

"(f) DEFINITIONS.—In this section:

"(1) The term 'clandestine military activity or operation in cyberspace' means a military activity or military operation car-

ried out in cyberspace, or associated preparatory actions, authorized by the President or the Secretary that—

"(A) is marked by, held in, or conducted with secrecy, where the intent is that the activity or operation will not be apparent or acknowledged publicly; and

"(B) is to be carried out—

"(i) as part of a military operation plan approved by the President or the Secretary in anticipation of hostilities or as directed by the President or the Secretary;

"(ii) to deter, safeguard, or defend against attacks or malicious cyber activities against the United States or Department of Defense information, networks, systems, installations, facilities, or other assets; or

"(iii) in support of information related capabilities.

"(2) The term 'foreign power' has the meaning given such term in section 101 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1801).

"(3) The term 'United States person' has the meaning given such term in such section.".

SEC. 1633. DEPARTMENT OF DEFENSE CYBER SCHOLARSHIP PROGRAM SCHOLARSHIPS AND GRANTS.

(a) ADDITIONAL CONSIDERATIONS.—Section 2200c of title 10, United States Code, is amended—

(1) by inserting before "In the selection" the following:

"(a) CENTERS OF ACADEMIC EXCELLENCE IN CYBER EDUCATION.—"; and

(2) by adding at the end the following new subsection:

"(b) CERTAIN INSTITUTIONS OF HIGHER EDUCATION.—In the selection of a recipient for the award of a scholarship or grant under this chapter, consideration shall be given to whether—

"(1) in the case of a scholarship, the institution of higher education at which the recipient pursues a degree is an institution described in section 371(a) of the Higher Education Act of 1965 (20 U.S.C. 1067q(a)); and

"(2) in the case of a grant, the recipient is an institution described in such section.".

(b) CLERICAL AMENDMENTS.—

(1) SECTION HEADING.—The heading of section 2200c of title 10, United States Code, is amended to read as follows:

"§ 2200c. Special considerations in awarding scholarships and grants".

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 112 of title 10, United States Code, is amended by striking the item relating to section 2200c and inserting the following new item:

"2200c. Special considerations in awarding scholarships and grants.".

SEC. 1634. AMENDMENTS TO PILOT PROGRAM REGARDING CYBER VULNERABILITIES OF DEPARTMENT OF DEFENSE CRITICAL INFRASTRUCTURE.

Subsection (b) of section 1650 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 2224 note) is amended—

(1) in paragraph (1), in the matter preceding subparagraph (A), by inserting "and the Defense Digital Service" after "covered research laboratory";

(2) in paragraph (4), in the matter preceding subparagraph (A), by striking "2019" and inserting "2020"; and

(3) in paragraph (5), by striking "2019" and inserting "2020".

SEC. 1635. MODIFICATION OF ACQUISITION AUTHORITY OF THE COMMANDER OF THE UNITED STATES CYBER COMMAND.

(a) MODIFICATION OF LIMITATION ON USE OF CYBER OPERATIONS PROCUREMENT FUND.—Subsection (e) of section 807 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C. 2224 note) is amended by striking "2021" and inserting "2025".

(b) EXTENSION ON SUNSET.—Subsection (i)(1) of such section is amended by striking "September 30, 2021" and inserting "September 30, 2025".

SEC. 1636. POLICY OF THE UNITED STATES ON CYBERSPACE, CYBERSECURITY, CYBER WARFARE, AND CYBER DETERRENCE.

(a) IN GENERAL.—It shall be the policy of the United States, with respect to matters pertaining to cyberspace, cybersecurity, and cyber warfare, that the United States should employ all instruments of national power, including the use of offensive cyber capabilities, to deter if possible, and respond to when necessary, all cyber attacks or other malicious cyber activities of foreign powers that target United States interests with the intent to—

(1) cause casualties among United States persons or persons of United States allies;

(2) significantly disrupt the normal functioning of United States democratic society or government (including attacks against critical infrastructure that could damage systems used to provide key services to the public or government);

(3) threaten the command and control of the Armed Forces, the freedom of maneuver of the Armed Forces, or the industrial base or other infrastructure on which the United States Armed Forces rely to defend United States interests and commitments; or

(4) achieve an effect, whether individually or in aggregate, comparable to an armed attack or imperil a vital interest of the United States.

(b) RESPONSE OPTIONS.—In carrying out the policy set forth in subsection (a), the United States shall plan, develop, and, when appropriate, demonstrate response options to address the full range of potential cyber attacks on United States interests that could be conducted by potential adversaries of the United States.

(c) DENIAL OPTIONS.—In carrying out the policy set forth in subsection (a) through response options developed pursuant to subsection (b), the United States shall, to the greatest extent practicable, prioritize the defensibility and resiliency against cyber attacks and malicious cyber activities described in subsection (a) of infrastructure critical to the political integrity, economic security, and national security of the United States.

(d) COST-IMPOSITION OPTIONS.—In carrying out the policy set forth in subsection (a) through response options developed pursuant to subsection (b), the United States shall develop and, when appropriate, demonstrate, or otherwise make known to adversaries the existence of, cyber capabilities to impose costs on any foreign power

targeting the United States or United States persons with a cyber attack or malicious cyber activity described in subsection (a).

(e) MULTI-PRONG RESPONSE.—In carrying out the policy set forth in subsection (a) through response options developed pursuant to subsection (b), the United States shall leverage all instruments of national power.

(f) UPDATE ON PRESIDENTIAL POLICY.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the President shall transmit, in unclassified and classified forms, as appropriate, to the appropriate congressional committees a report containing an update to the report provided to the Congress on the policy of the United States on cyberspace, cybersecurity, and cyber warfare pursuant to section 1633 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 130g note).

(2) CONTENTS.—The report required under paragraph (1) shall include the following:

(A) An assessment of the current posture in cyberspace, including assessments of—

(i) whether past responses to major cyber attacks have had the desired deterrent effect; and

(ii) how adversaries have responded to past United States responses.

(B) Updates on the Administration's efforts in the development of—

(i) cost imposition strategies;

(ii) varying levels of cyber incursion and steps taken to date to prepare for the imposition of the consequences referred to in clause (i); and

(iii) the Cyber Deterrence Initiative.

(C) Information relating to the Administration's plans, including specific planned actions, regulations, and legislative action required, for—

(i) advancing technologies in attribution, inherently secure technology, and artificial intelligence society-wide;

(ii) improving cybersecurity in and cooperation with the private sector;

(iii) improving international cybersecurity cooperation; and

(iv) implementing the policy referred to in paragraph (1), including any realignment of government or government responsibilities required, writ large.

(f) RULE OF CONSTRUCTION.—Nothing in this subsection may be construed to limit the authority of the President or Congress to authorize the use of military force.

(g) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the congressional defense committees;

(B) the Permanent Select Committee on Intelligence of the House of Representatives;

(C) the Select Committee on Intelligence of the Senate;

(D) the Committee on Foreign Affairs, the Committee on Homeland Security, and the Committee on the Judiciary of the House of Representatives; and

(E) the Committee on Foreign Relations; the Committee on Homeland Security and Governmental Affairs; and the Committee on the Judiciary of the Senate.

(2) FOREIGN POWER.—The term "foreign power" has the meaning given such term in section 101 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1801).

SEC. 1637. BUDGET DISPLAY FOR CYBER VULNERABILITY EVALUATIONS AND MITIGATION ACTIVITIES FOR MAJOR WEAPON SYSTEMS OF THE DEPARTMENT OF DEFENSE.

(a) BUDGET REQUIRED.—Beginning in fiscal year 2021 and in each fiscal year thereafter, the Secretary of Defense shall submit to Congress, as a part of the documentation that supports the President's annual budget for the Department of Defense, a consolidated Cyber Vulnerability Evaluation and Mitigation budget justification display for each major weapons system of the Department of Defense that includes the following:

(1) CYBER VULNERABILITY EVALUATIONS.—

(A) STATUS.—Whether, in accordance with paragraph (1) of section 1647(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1118), the cyber vulnerability evaluation for each such major weapon system is pending, in progress, complete, or, pursuant to paragraph (2) of such section, waived.

(B) FUNDING.—The funding required for the fiscal year with respect to which the budget is submitted and for at least the four succeeding fiscal years required to complete the pending or in progress cyber vulnerability evaluation of each such major weapon system.

(C) DESCRIPTION.—A description of the activities planned in the fiscal year with respect to which the budget is submitted and at least the four succeeding fiscal years to complete the required evaluation for each such major weapon system.

(D) RISK ANALYSIS.—A description of operational or security risks associated with cyber vulnerabilities identified as a result of such cyber vulnerability evaluations that require mitigation.

(2) MITIGATION ACTIVITIES.—

(A) STATUS.—Whether activities to address identified cyber vulnerabilities of such major weapon systems resulting in operational or security risks requiring mitigation are pending, in progress, or complete.

(B) FUNDING.—The funding required for the fiscal year with respect to which the budget is submitted and for at least the four succeeding fiscal years required to complete the pending or in progress mitigation activities referred to in subparagraph (A) related to such major weapon systems.

(C) DESCRIPTION.—A description of the activities planned in the fiscal year with respect to which the budget is submitted and at least the four succeeding fiscal years to complete any necessary mitigation.

(b) FORM.—The display required under subsection (a) should, to the extent practicable, be submitted in an unclassified form, and shall include a classified annex as required.

SEC. 1638. DETERMINATION OF RESPONSIBILITY FOR THE DEPARTMENT OF DEFENSE INFORMATION NETWORKS.

(a) IN GENERAL.—Not later than March 1, 2019, the Secretary of Defense shall submit to the congressional defense committees a report containing a determination regarding the roles, missions, and responsibilities of the Commander, Joint Force Headquarters–Department of Defense Information Networks (JFHQ–DODIN) of the Defense Information Support Agency.

(b) ELEMENTS.—The report required under subsection (a) shall include the following:

(1) An assessment of the current JFHQ-DODIN command and control structure, adequacy of the Defense Information Support Agency's institutional support for the JFHQ-DODIN mission, resource requirements, and mission effectiveness.

(2)(A) A determination and justification regarding—

(i) a transfer to the Commander, United States Cyber Command, from the JFHQ-DODIN of some or all roles, missions, and responsibilities of the JFHQ-DODIN; or

(ii) retention in the JFHQ-DODIN of such roles, missions, and responsibilities.

(B) If a determination under subparagraph (A)(i) is made in the affirmative regarding a transfer to the Commander, United States Cyber Command, from the JFHQ-DODIN of some or all roles, missions, and responsibilities of the JFHQ-DODIN, such report shall include the following:

(i) An identification of roles, missions, and responsibilities to be transferred.

(ii) A timeline for any such transfers.

(iii) A strategy for mitigating risk and ensuring no mission degradation.

SEC. 1639. PROCEDURES AND REPORTING REQUIREMENT ON CYBERSECURITY BREACHES AND LOSS OF PERSONALLY IDENTIFIABLE INFORMATION AND CONTROLLED UNCLASSIFIED INFORMATION.

(a) IN GENERAL.—In the event of a significant loss of personally identifiable information of civilian or uniformed members of the Armed Forces, or a significant loss of controlled unclassified information by a cleared defense contractor, the Secretary of Defense shall promptly submit to the congressional defense committees notice in writing of such loss. Such notice may be submitted in classified or unclassified formats.

(b) PROCEDURES.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall establish and submit to the congressional defense committees procedures for complying with the requirement of subsection (a). Such procedures shall be consistent with the national security of the United States, the protection of operational integrity, the protection of personally identifiable information of civilian and uniformed members of the Armed Forces, and the protection of controlled unclassified information.

(c) DEFINITIONS.—In this section:

(1) SIGNIFICANT LOSS OF CONTROLLED UNCLASSIFIED INFORMATION.—The term "significant loss of controlled unclassified information" means an intentional, accidental, or otherwise known theft, loss, or disclosure of Department of Defense programmatic or technical controlled unclassified information the loss of which would have significant impact or consequence to a program or mission of the Department of Defense, or the loss of which is of substantial volume.

(2) SIGNIFICANT LOSS OF PERSONALLY IDENTIFIABLE INFORMATION.—The term "significant loss of personally identifiable information" means an intentional, accidental, or otherwise known disclosure of information that can be used to distinguish or trace an individual's identity, such as the name, Social Security number, date and place of birth, biometric records, home or other phone numbers, or other demographic, personnel, medical, or financial information, involving 250 or more civilian or uniformed members of the Armed Forces.

SEC. 1640. PROGRAM TO ESTABLISH CYBER INSTITUTES AT INSTITUTIONS OF HIGHER LEARNING.

(a) PROGRAM AUTHORIZED.—The Secretary of Defense may carry out a program to establish a Cyber Institute at institutions of higher learning selected under subsection (b) for purposes of accelerating and focusing the development of foundational expertise in critical cyber operational skills for future military and civilian leaders of the Armed Forces and the Department of Defense, including such leaders of the reserve components.

(b) SELECTED INSTITUTIONS OF HIGHER LEARNING.—

(1) IN GENERAL.—The Secretary of Defense shall select institutions of higher learning for purposes of the program established under subsection (a) from among institutions of higher learning that have a Reserve Officers' Training Corps program.

(2) CONSIDERATION OF SENIOR MILITARY COLLEGES.—In selecting institutions of higher learning under paragraph (1), the Secretary shall consider the senior military colleges with Reserve Officers' Training Corps programs.

(c) ELEMENTS.—Each institute established under the program authorized by subsection (a) shall include the following:

(1) Programs to provide future military and civilian leaders of the Armed Forces or the Department of Defense who possess cyber operational expertise from beginning through advanced skill levels. Such programs shall include instruction and practical experiences that lead to recognized certifications and degrees in the cyber field.

(2) Programs of targeted strategic foreign language proficiency training for such future leaders that—

(A) are designed to significantly enhance critical cyber operational capabilities; and

(B) are tailored to current and anticipated readiness requirements.

(3) Programs related to mathematical foundations of cryptography and courses in cryptographic theory and practice designed to complement and reinforce cyber education along with the strategic language programs critical to cyber operations.

(4) Programs related to data science and courses in data science theory and practice designed to complement and rein-

force cyber education along with the strategic language programs critical to cyber operations.

(5) Programs designed to develop early interest and cyber talent through summer programs, dual enrollment opportunities for cyber, strategic language, data science, and cryptography related courses.

(6) Training and education programs to expand the pool of qualified cyber instructors necessary to support cyber education in regional school systems.

(d) PARTNERSHIPS WITH DEPARTMENT OF DEFENSE AND THE ARMED FORCES.—Any institute established under the program authorized by subsection (a) may enter into a partnership with one or more components of the Armed Forces, active or reserve, or any agency of the Department of Defense to facilitate the development of critical cyber skills for students who may pursue a military career.

(e) PARTNERSHIPS.—Any institute established under the program authorized by subsection (a) may enter into a partnership with one or more local educational agencies to facilitate the development of critical cyber skills.

(f) SENIOR MILITARY COLLEGES DEFINED.—The term "senior military colleges" has the meaning given such term in section 2111a(f) of title 10, United States Code.

SEC. 1641. MATTERS PERTAINING TO THE SHARKSEER CYBERSECURITY PROGRAM.

(a) TRANSFER OF PROGRAM.—Not later than March 1, 2019, the Secretary of Defense shall transfer the operations and maintenance for the Sharkseer cybersecurity program from the National Security Agency to the Defense Information Systems Agency, including all associated funding and, as the Secretary considers necessary, personnel.

(b) LIMITATION ON FUNDING FOR THE INFORMATION SYSTEMS SECURITY PROGRAM.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 or any subsequent fiscal year for research, development, test, and evaluation for the Information Systems Security Program for the National Security Agency, not more than 90 percent may be obligated or expended unless the Chief of Information Officer, in consultation with the Principal Cyber Advisor, certifies to the congressional defense committees that the operations and maintenance funding for the Sharkseer program for fiscal year 2019 and the subsequent fiscal years of the current Future Years Defense Program are available or programmed.

(c) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Chief Information Officer shall provide to the congressional defense committees a report that assesses the transition of base operations of the SharkSeer program to the Defense Information Systems Agency, including with respect to staffing, acquisition, contracts, sensor management, and the ability to conduct cyber threat analyses and detect advanced malware. Such report shall also include a plan for continued capability development.

(d) SHARKSEER BREAK AND INSPECT CAPABILITY.—

(1) IN GENERAL.—The Secretary of Defense shall ensure that the decryption capability described in section 1636 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) is

provided by the break and inspect subsystem of the Sharkseer cybersecurity program, unless the Chief of Information Officer, in consultation with the Principal Cyber Advisor, notifies the congressional defense committees on or before the date that is 90 days after the date of the enactment of this Act that a superior enterprise solution will be operational before October 1, 2019.

(2) INTEGRATION OF CAPABILITY.—The Secretary shall take such actions as are necessary to integrate the break and inspect subsystem of the Sharkseer cybersecurity program with the Department of Defense public key infrastructure.

(e) VISIBILITY TO ENDPOINTS.—The Secretary shall take such actions as are necessary to enable, by October 1, 2020, the Sharkseer cybersecurity program and computer network defense service providers to instantly and automatically determine the specific identity and location of computer hosts and other endpoints that received or sent malware detected by the Sharkseer cybersecurity program or other network perimeter defenses.

(f) SANDBOX AS A SERVICE.—The Secretary shall use the Sharkseer cybersecurity program sandbox-as-a-service capability as an enterprise solution and terminate all other such projects, unless the Chief of Information Officer, in consultation with the Principal Cyber Advisor, notifies the congressional defense committees on or before the date that is 90 days after the date of the enactment of this Act that a superior enterprise solution will be operational before October 1, 2019.

SEC. 1642. ACTIVE DEFENSE AGAINST THE RUSSIAN FEDERATION, PEOPLE'S REPUBLIC OF CHINA, DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA, AND ISLAMIC REPUBLIC OF IRAN ATTACKS IN CYBERSPACE.

(a) AUTHORITY TO DISRUPT, DEFEAT, AND DETER CYBER ATTACKS.—

(1) IN GENERAL.—In the event that the National Command Authority determines that the Russian Federation, People's Republic of China, Democratic People's Republic of Korea, or Islamic Republic of Iran is conducting an active, systematic, and ongoing campaign of attacks against the Government or people of the United States in cyberspace, including attempting to influence American elections and democratic political processes, the National Command Authority may authorize the Secretary of Defense, acting through the Commander of the United States Cyber Command, to take appropriate and proportional action in foreign cyberspace to disrupt, defeat, and deter such attacks under the authority and policy of the Secretary of Defense to conduct cyber operations and information operations as traditional military activities.

(2) NOTIFICATION AND REPORTING.—

(A) NOTIFICATION OF OPERATIONS.—In exercising the authority provided in paragraph (1), the Secretary shall provide notices to the congressional defense committees in accordance with section 395 of title 10, United States Code (as transferred and redesignated pursuant to section 1631).

(B) QUARTERLY REPORTS BY COMMANDER OF THE UNITED STATES CYBER COMMAND.—

(i) IN GENERAL.—In any fiscal year in which the Commander of the United States Cyber Command carries out an action under paragraph (1), the Secretary of Defense shall, not less frequently than quarterly, submit to the congressional defense committees a report on the actions of the Commander under such paragraph in such fiscal year.

(ii) MANNER OF REPORTING.—Reports submitted under clause (i) shall be submitted in a manner that is consistent with the recurring quarterly report required by section 484 of title 10, United States Code.

(b) PRIVATE SECTOR COOPERATION.—The Secretary may make arrangements with private sector entities, on a voluntary basis, to share threat information related to malicious cyber actors, and any associated false online personas or compromised infrastructure, associated with a determination under subsection (a)(1), consistent with the protection of sources and methods and classification guidelines, as necessary.

(c) ANNUAL REPORT.—Not less frequently than once each year, the Secretary shall submit to the congressional defense committees, the congressional intelligence committees (as defined in section 3 of the National Security Act of 1947 (50 U.S.C. 3003)), the Committee on Foreign Affairs of the House of Representatives, and the Committee on Foreign Relations of the Senate a report on—

(1) the scope and intensity of the information operations and attacks through cyberspace by the countries specified in subsection (a)(1) against the government or people of the United States observed by the cyber mission forces of the United States Cyber Command and the National Security Agency; and

(2) adjustments of the Department of Defense in the response directed or recommended by the Secretary with respect to such operations and attacks.

(d) RULE OF CONSTRUCTION.—Nothing in this section may be construed to—

(1) limit the authority of the Secretary to conduct military activities or operations in cyberspace, including clandestine activities or operations in cyberspace; or

(2) affect the War Powers Resolution (Public Law 93–148; 50 U.S.C. 1541 et seq.) or the Authorization for Use of Military Force (Public Law 107–40; 50 U.S.C. 1541 note).

SEC. 1643. DESIGNATION OF OFFICIAL FOR MATTERS RELATING TO INTEGRATING CYBERSECURITY AND INDUSTRIAL CONTROL SYSTEMS WITHIN THE DEPARTMENT OF DEFENSE.

(a) DESIGNATION OF INTEGRATING OFFICIAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall designate one official to be responsible for matters relating to integrating cybersecurity and industrial control systems for the Department of Defense.

(b) RESPONSIBILITIES.—The official designated pursuant to subsection (a) shall be responsible for matters described in such subsection at all levels of command, from the Department's leadership to the facilities owned by or operated on behalf of the Department of Defense using industrial control systems, including developing Department-wide certification standards for integration of industrial control systems and taking into consideration frameworks set

forth by the National Institute of Standards and Technology for the cybersecurity of such systems.

SEC. 1644. ASSISTANCE FOR SMALL MANUFACTURERS IN THE DEFENSE INDUSTRIAL SUPPLY CHAIN AND UNIVERSITIES ON MATTERS RELATING TO CYBERSECURITY.

(a) DISSEMINATION OF CYBERSECURITY RESOURCES.—

(1) IN GENERAL.—The Secretary of Defense, in consultation with the Director of the National Institute of Standards and Technology, shall take such actions as may be necessary to enhance awareness of cybersecurity threats among small manufacturers and universities working on Department of Defense programs and activities.

(2) PRIORITY.—The Secretary of Defense shall prioritize efforts to increase awareness to help reduce cybersecurity risks faced by small manufacturers and universities referred to in paragraph (1).

(3) SECTOR FOCUS.—The Secretary of Defense shall carry out this subsection with a focus on such small manufacturers and universities as the Secretary considers critical.

(4) OUTREACH EVENTS.—Under paragraph (1), the Secretary of Defense shall conduct outreach to support activities consistent with this section. Such outreach may include live events with a physical presence and outreach conducted through Internet websites. Such outreach may include training, including via courses and classes, to help small manufacturers and universities improve their cybersecurity.

(5) ROADMAPS AND ASSESSMENTS.—The Secretary of Defense shall ensure that cybersecurity for defense industrial base manufacturing is included in appropriate research and development roadmaps and threat assessments.

(b) VOLUNTARY CYBERSECURITY SELF-ASSESSMENTS.—The Secretary of Defense shall develop mechanisms to provide assistance to help small manufacturers and universities conduct voluntary self-assessments in order to understand operating environments, cybersecurity requirements, and existing vulnerabilities, including through the Mentor Protégé Program, small business programs, and engagements with defense laboratories and test ranges.

(c) TRANSFER OF RESEARCH FINDINGS AND EXPERTISE.—

(1) IN GENERAL.—The Secretary of Defense shall promote the transfer of appropriate technology, threat information, and cybersecurity techniques developed in the Department of Defense to small manufacturers and universities throughout the United States to implement security measures that are adequate to protect covered defense information, including controlled unclassified information.

(2) COORDINATION WITH OTHER FEDERAL EXPERTISE AND CAPABILITIES.—The Secretary of Defense shall coordinate efforts, when appropriate, with the expertise and capabilities that exist in Federal agencies and federally sponsored laboratories.

(3) AGREEMENTS.—In carrying out this subsection, the Secretary of Defense may enter into agreements with private industry, institutes of higher education, or a State, United States territory, local, or tribal government to ensure breadth and depth of coverage to the United States defense industrial base and to leverage resources.

(d) DEFENSE ACQUISITION WORKFORCE CYBER TRAINING PROGRAM.—The Secretary of Defense shall establish a cyber counseling certification program, or approve a similar existing program, to certify small business professionals and other relevant acquisition staff within the Department of Defense to provide cyber planning assistance to small manufacturers and universities.

(e) ESTABLISHMENT OF CYBERSECURITY FOR DEFENSE INDUSTRIAL BASE MANUFACTURING ACTIVITY.—

(1) AUTHORITY.—The Secretary of Defense may establish an activity to assess and strengthen the cybersecurity resiliency of the defense industrial base, if the Secretary determines such is appropriate.

(2) DESIGNATION.—The activity described in paragraph (1), if established, shall be known as the "Cybersecurity for Defense Industrial Base Manufacturing Activity".

(3) SPECIFICATION.—The Cybersecurity for Defense Industrial Base Manufacturing Activity, if established, shall implement the requirements specified in subsections (a) through (c).

(f) AUTHORITIES.—In carrying out this section, the Secretary may use the following authorities:

(1) The Manufacturing Technology Program established under section 2521 of title 10, United States Code.

(2) The Centers for Science, Technology, and Engineering Partnership program under section 2368 of title 10, United States Code.

(3) The Manufacturing Engineering Education Program established under section 2196 of title 10, United States Code.

(4) The Small Business Innovation Research program.

(5) The mentor-protégé program.

(6) Other legal authorities as the Secretary determines necessary to effectively and efficiently carry out this section.

(g) DEFINITIONS.—In this section:

(1) RESOURCES.—The term "resources" means guidelines, tools, best practices, standards, methodologies, and other ways of providing information.

(2) SMALL BUSINESS CONCERN.—The term "small business concern" means a small business concern as that term is used in section 3 of the Small Business Act (15 U.S.C. 632).

(3) SMALL MANUFACTURER.—The term "small manufacturer" means a small business concern that is a manufacturer in the defense industrial supply chain.

(4) STATE.—The term "State" means each of the several States, Territories, and possessions of the United States, the District of Columbia, and the Commonwealth of Puerto Rico.

SEC. 1645. EMAIL AND INTERNET WEBSITE SECURITY AND AUTHENTICATION.

(a) IMPLEMENTATION OF PLAN REQUIRED.—Except as provided by subsection (b), the Secretary of Defense shall develop and implement the plan outlined in Binding Operational Directive 18–01, issued by the Secretary of Homeland Security on October 16, 2017, relating to email security and authentication and Internet website security, according to the schedule established by the Binding Operational Directive for the rest of the Executive Branch beginning with the date of enactment of this Act.

(b) WAIVER.—The Secretary may waive the requirements of subsection (a) if the Secretary submits to the congressional defense committees, the Committee on Oversight and Government Reform of the House of Representatives, and the Committee on Homeland Security and Government Affairs of the Senate a certification that existing or planned security measures for the Department of Defense either meet or exceed the information security requirements of Binding Operational Directive 18–01.

(c) FUTURE BINDING OPERATIONAL DIRECTIVES.—The Chief Information Officer of the Department of Defense shall notify the congressional defense committees, the Committee on Oversight and Government Reform of the House of Representatives, and the Committee on Homeland Security and Government Affairs of the Senate within 180 days of the issuance by the Secretary of Homeland Security after the date of the enactment of this Act of any Binding Operational Directive for cybersecurity whether the Department of Defense will comply with the Directive or how the Department of Defense plans to meet or exceed the security objectives of the Directive.

SEC. 1646. SECURITY PRODUCT INTEGRATION FRAMEWORK.

The Principal Cyber Adviser, the Chief Information Officer, and the Commander of the United States Cyber Command shall select a network or network segment and associated computer network defense service provider to conduct a demonstration and evaluation of one or more existing security product integration frameworks, including modifying network security systems to enable such systems to ingest, publish, subscribe, tip and cue, and request information or services from each other.

SEC. 1647. INFORMATION SECURITY CONTINUOUS MONITORING AND CYBERSECURITY SCORECARD.

(a) LIMITATION.—After October 1, 2019, no funds may be obligated or expended to prepare the cybersecurity scorecard for the Secretary of Defense unless the Department of Defense is implementing a funded capability to meet the requirements—

(1) established by the Chief Information Officer and the Commander of United States Cyber Command pursuant to section 1653 of the National Defense Authorization for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 2224 note); and

(2) as set forth in the Department of Defense's policies on modernized, Department-wide automated information security continuous monitoring.

(b) REPORT.—Not later than January 10, 2019, the Director of Cost Assessment and Program Evaluation shall submit to the congressional defense committees a report—

(1) comparing the current capabilities of the Department of Defense to—

(A) the requirements described in subsection (a);

(B) the capabilities deployed by the Department of Homeland Security and the General Services Administration under the Continuous Diagnostics and Mitigation program across the non-Department of Defense departments and agencies of the Federal Government; and

(2) that contains a review and determination of whether the current requirements and policies described in subsection (a) are adequate to address the current threat environment.

(c) RISK THRESHOLDS.—The Chief Information Officer of the Department of Defense, in coordination with the Principal Cyber Advisor, the Director of Operations of the Joint Staff, and the Commander of United States Cyber Command, shall establish risk thresholds for systems and network operations that, when exceeded, would trigger heightened security measures, such as enhanced monitoring and access policy changes.

(d) ENTERPRISE GOVERNANCE, RISK, AND COMPLIANCE PLAN.—Not later than 180 days after the date of the enactment of this Act, the Chief Information Officer and the Principal Cyber Advisor shall develop a plan to implement an enterprise governance, risk, and compliance platform and process to maintain current status of all information and operational technology assets, vulnerabilities, threats, and mitigations.

SEC. 1648. TIER 1 EXERCISE OF SUPPORT TO CIVIL AUTHORITIES FOR A CYBER INCIDENT.

(a) IN GENERAL.—The Commander of the United States Cyber Command, the Commander of United States Northern Command, and such other commands or components of the Department of Defense as the Secretary of Defense considers appropriate, shall, consistent with the recommendations made by the Comptroller General of the United States in the Government Accountability Office report GAO–16–574, conduct a tier 1 exercise of support to civil authorities for a cyber incident.

(b) ELEMENTS.—The exercise required by subsection (a) shall include the following:

(1) Department level leadership and decision-making for providing cyber support to civil authorities.

(2) Testing of the policy, guidance, doctrine and other elements in the Department of Defense Cyber Incident Coordinating Procedure.

(3) Operational planning and execution by the Joint Staff and supported and supporting combatant commands.

(4) Coordination with, and incorporation of, as appropriate, the Department of Homeland Security, the Federal Bureau of Investigation, and elements across Federal and State governments and the private sector.

SEC. 1649. PILOT PROGRAM ON MODELING AND SIMULATION IN SUPPORT OF MILITARY HOMELAND DEFENSE OPERATIONS IN CONNECTION WITH CYBER ATTACKS ON CRITICAL INFRASTRUCTURE.

(a) PILOT PROGRAM REQUIRED.—

(1) IN GENERAL.—The Assistant Secretary of Defense for Homeland Defense and Global Security shall carry out a pilot program to model cyber attacks on critical infrastructure in order to identify and develop means of improving Department of Defense responses to requests for defense support to civil authorities for such attacks.

(2) RESEARCH EXERCISES.—The pilot program shall source data from and include consideration of the "Jack Voltaic" research exercises conducted by the Army Cyber Institute, industry partners of the Institute, and the cities of New York, New York, and Houston, Texas.

(b) PURPOSE.—The purpose of the pilot program shall be to accomplish the following:

(1) The development and demonstration of risk analysis methodologies, and the application of commercial simulation and modeling capabilities, based on artificial intelligence and hyperscale cloud computing technologies, as applicable—

(A) to assess defense critical infrastructure vulnerabilities and interdependencies to improve military resiliency;

(B) to determine the likely effectiveness of attacks described in subsection (a)(1), and countermeasures, tactics, and tools supporting responsive military homeland defense operations;

(C) to train personnel in incident response;

(D) to conduct exercises and test scenarios;

(E) to foster collaboration and learning between and among departments and agencies of the Federal Government, State and local governments, and private entities responsible for critical infrastructure; and

(F) improve intra-agency and inter-agency coordination for consideration and approval of requests for defense support to civil authorities.

(2) The development and demonstration of the foundations for establishing and maintaining a program of record for a shared high-fidelity, interactive, affordable, cloud-based modeling and simulation of critical infrastructure systems and incident response capabilities that can simulate complex cyber and physical attacks and disruptions on individual and multiple sectors on national, regional, State, and local scales.

(c) REPORT.—

(1) IN GENERAL.—At the same time the budget of the President for fiscal year 2021 is submitted to Congress pursuant to section 1105(a) of title 31, United States Code, the Assistant Secretary shall, in consultation with the Secretary of Homeland Security, submit to the congressional defense committees a report on the pilot program.

(2) CONTENTS.—The report required by paragraph (1) shall include the following:

(A) A description of the results of the pilot program as of the date of the report.

(B) A description of the risk analysis methodologies and modeling and simulation capabilities developed and demonstrated pursuant to the pilot program, and an assessment of the potential for future growth of commercial technology in support of the homeland defense mission of the Department of Defense.

(C) Such recommendations as the Secretary considers appropriate regarding the establishment of a program of record for the Department on further development and sustainment of risk analysis methodologies and advanced, large-scale modeling and simulation on critical infrastructure and cyber warfare.

(D) Lessons learned from the use of novel risk analysis methodologies and large-scale modeling and simulation carried out under the pilot program regarding vulnerabilities, required capabilities, and reconfigured force structure, coordination practices, and policy.

(E) Planned steps for implementing the lessons described in subparagraph (D).

(F) Any other matters the Secretary determines appropriate.

SEC. 1650. PILOT PROGRAM AUTHORITY TO ENHANCE CYBERSECURITY AND RESILIENCY OF CRITICAL INFRASTRUCTURE.

(a) AUTHORITY.—The Secretary of Defense, in coordination with the Secretary of Homeland Security, is authorized to provide, detail, or assign technical personnel to the Department of Homeland Security on a non-reimbursable basis to enhance cybersecurity cooperation, collaboration, and unity of Government efforts.

(b) SCOPE OF ASSISTANCE.—The authority under subsection (a) shall be limited in any fiscal year to the provision of not more than 50 technical cybersecurity personnel from the Department of Defense to the Department of Homeland Security, including the national cybersecurity and communications integration center (NCCIC) of the Department, or other locations as agreed upon by the Secretary of Defense and the Secretary of Homeland Security.

(c) LIMITATION.—The authority under subsection (a) may not negatively impact the primary missions of the Department of Defense or the Department of Homeland Security.

(d) ESTABLISHMENT OF PROCEDURES.—

(1) IN GENERAL.—The Secretary of Defense and the Secretary of Homeland Security shall establish procedures to carry out subsection (a), including procedures relating to the protection of and safeguards for maintenance of information held by the NCCIC regarding United States persons.

(2) LIMITATION.—Nothing in this subsection may be construed as providing authority to the Secretary of Defense to establish procedures regarding the NCCIC with respect to any matter outside the scope of this section.

(e) NO EFFECT ON OTHER AUTHORITY TO PROVIDE SUPPORT.—Nothing in this section may be construed to limit the authority of an Executive department, military department, or independent establishment to provide any appropriate support, including cybersecurity support, or to provide, detail, or assign personnel, under any other law, rule, or regulation.

(f) DEFINITIONS.—In this section, each of the terms "Executive department", "military department", and "independent establishment", has the meaning given each of such terms, respectively, in chapter 1 of title 5, United States Code.

(g) TERMINATION OF AUTHORITY.—This section shall terminate on September 30, 2022.

SEC. 1651. PILOT PROGRAM ON REGIONAL CYBERSECURITY TRAINING CENTER FOR THE ARMY NATIONAL GUARD.

(a) PILOT PROGRAM.—The Secretary of the Army may carry out a pilot program under which the Secretary establishes a National Guard training center to provide collaborative interagency education and training for members of the Army National Guard.

(b) CENTER.—

(1) TRAINING AND COOPERATION.—If the Secretary carries out the pilot program under subsection (a), the Secretary should ensure that the training center established under such subsection—

(A) educates and trains members of the Army National Guard quickly and efficiently by concurrently training cyber protection teams and cyber network defense teams on a common standard in order to defend—

(i) the information network of the Department of Defense in a State environment;

(ii) while acting under title 10, United States Code, the information networks of State governments; and

(iii) critical infrastructure;

(B) fosters interagency cooperation by—

(i) co-locating members of the Army National Guard with personnel of departments and agencies of the Federal Government and State governments; and

(ii) providing an environment to develop interagency relationship to coordinate responses and recovery efforts during and following a cyber attack;

(C) collaborates with academic institutions to develop and implement curriculum for interagency education and training within the classroom; and

(D) coordinates with the Persistent Cyber Training Environment of the Army Cyber Command in devising and implementing interagency education and training using physical and information technology infrastructure.

(2) LOCATIONS.—If the Secretary carries out the pilot program under subsection (a), the Secretary may select one National Guard facility at which to carry out the pilot program. The Secretary may select a facility that is located in an area that meets the following criteria:

(A) The location has a need for cyber training, as measured by both the number of members of the Army National Guard that would apply for such training and the number of units of the Army National Guard that verify the unit would apply for such training.

(B) The location has high capacity information and telecommunications infrastructure, including high speed fiber optic networks.

(C) The location has personnel, technology, laboratories, and facilities to support proposed activities and has the opportunity for ongoing training, education, and research.

(c) ACTIVITIES.—If the Secretary carries out the pilot program under subsection (a), the Secretary should ensure that the pilot program includes the following activities:

(1) Providing joint education and training and accelerating training certifications for working in a cyber range.

(2) Integrating education and training between the National Guard, law enforcement, and emergency medical and fire first responders.

(3) Providing a program to continuously train the cyber network defense teams to not only defend the information network of the Department of Defense, but to also provide education and training on how to use defense capabilities of the team in a State environment.

(4) Developing curriculum and educating the National Guard on the different missions carried out under titles 10 and

32, United States Code, in order to enhance interagency coordination and create a common operating picture.

(d) NOTIFICATION REQUIRED.—If the Secretary carries out the pilot program under subsection (a), the Secretary shall provide immediate notification to the congressional defense committees that includes information relating to the resources required to carry out such pilot program, identification of units to be trained, the location of such training, and a description of agreements with Federal, State, local, and private sector entities.

(e) SUNSET.—The authority provided under this section shall expire on the date that is two years after the date of the enactment of this Act.

SEC. 1652. CYBERSPACE SOLARIUM COMMISSION.

(a) ESTABLISHMENT.—

(1) IN GENERAL.—There is established a commission to develop a consensus on a strategic approach to defending the United States in cyberspace against cyber attacks of significant consequences.

(2) DESIGNATION.—The commission established under paragraph (1) shall be known as the "Cyberspace Solarium Commission" (in this section the "Commission").

(b) MEMBERSHIP.—

(1) COMPOSITION.—(A) Subject to subparagraph (B), the Commission shall be composed of 13 members, as follows:

(i) The Principal Deputy Director of National Intelligence.

(ii) The Deputy Secretary of Homeland Security.

(iii) The Deputy Secretary of Defense.

(iv) The Director of the Federal Bureau of Investigation.

(v) Three members appointed by the majority leader of the Senate, in consultation with the Chairman of the Committee on Armed Services of the Senate, one of whom shall be a member of the Senate and two of whom shall not be.

(vi) Two members appointed by the minority leader of the Senate, in consultation with the Ranking Member of the Committee on Armed Services of the Senate, one of whom shall be a member of the Senate and one of whom shall not be.

(vii) Three members appointed by the Speaker of the House of Representatives, in consultation with the Chairman of the Committee on Armed Services of the House of Representatives, one of whom shall be a member of the House of Representatives and two of whom shall not be.

(viii) Two members appointed by the minority leader of the House of Representatives, in consultation with the Ranking Member of the Committee on Armed Services of the House of Representatives, one of whom shall be a member of the House of Representatives and one of whom shall not be.

(B)(i) The members of the Commission who are not members of Congress and who are appointed under clauses (iv) through (vii) of subparagraph (A) shall be individuals who are nationally recognized for expertise, knowledge, or experience in—

(I) cyber strategy or national-level strategies to combat long-term adversaries;

(II) cyber technology and innovation;

(III) use of intelligence information by national policymakers and military leaders; or

(IV) the implementation, funding, or oversight of the national security policies of the United States.

(ii) An official who appoints members of the Commission may not appoint an individual as a member of the Commission if such individual possesses any personal or financial interest in the discharge of any of the duties of the Commission.

(iii) All members of the Commission described in clause (i) shall possess an appropriate security clearance in accordance with applicable provisions of law concerning the handling of classified information.

(2) CO-CHAIRS.—(A) The Commission shall have two co-chairs, selected from among the members of the Commission.

(B) One co-chair of the Commission shall be a member of the Democratic Party, and one co-chair shall be a member of the Republican Party.

(C) The individuals who serve as the co-chairs of the Commission shall be jointly agreed upon by the President, the majority leader of the Senate, the minority leader of the Senate, the Speaker of the House of Representatives, and the minority leader of the House of Representatives.

(c) APPOINTMENT; INITIAL MEETING.—

(1) APPOINTMENT.—Members of the Commission shall be appointed not later than 45 days after the date of the enactment of this Act.

(2) INITIAL MEETING.—The Commission shall hold its initial meeting on or before the date that is 60 days after the date of the enactment of this Act.

(d) MEETINGS; QUORUM; VACANCIES.—

(1) IN GENERAL.—After its initial meeting, the Commission shall meet upon the call of the co-chairs of the Commission.

(2) QUORUM.—Seven members of the Commission shall constitute a quorum for purposes of conducting business, except that two members of the Commission shall constitute a quorum for purposes of receiving testimony.

(3) VACANCIES.—Any vacancy in the Commission shall not affect its powers, but shall be filled in the same manner in which the original appointment was made.

(4) QUORUM WITH VACANCIES.—If vacancies in the Commission occur on any day after 45 days after the date of the enactment of this Act, a quorum shall consist of a majority of the members of the Commission as of such day.

(e) ACTIONS OF COMMISSION.—

(1) IN GENERAL.—The Commission shall act by resolution agreed to by a majority of the members of the Commission voting and present.

(2) PANELS.—The Commission may establish panels composed of less than the full membership of the Commission for purposes of carrying out the duties of the Commission under this title. The actions of any such panel shall be subject to the review and control of the Commission. Any findings and deter-

minations made by such a panel shall not be considered the findings and determinations of the Commission unless approved by the Commission.

(3) DELEGATION.—Any member, agent, or staff of the Commission may, if authorized by the co-chairs of the Commission, take any action which the Commission is authorized to take pursuant to this title.

(f) DUTIES.—The duties of the Commission are as follows:

(1) To define the core objectives and priorities of the strategy described in subsection (a)(1).

(2) To weigh the costs and benefits of various strategic options to defend the United States, including the political system of the United States, the national security industrial sector of the United States, and the innovation base of the United States. The options to be assessed should include deterrence, norms-based regimes, and active disruption of adversary attacks through persistent engagement.

(3) To evaluate whether the options described in paragraph (2) are exclusive or complementary, the best means for executing such options, and how the United States should incorporate and implement such options within its national strategy.

(4) To review and make determinations on the difficult choices present within such options, among them what norms-based regimes the United States should seek to establish, how the United States should enforce such norms, how much damage the United States should be willing to incur in a deterrence or persistent denial strategy, what attacks warrant response in a deterrence or persistent denial strategy, and how the United States can best execute these strategies.

(5) To review adversarial strategies and intentions, current programs for the defense of the United States, and the capabilities of the Federal Government to understand if and how adversaries are currently being deterred or thwarted in their aims and ambitions in cyberspace.

(6) To evaluate the effectiveness of the current national cyber policy relating to cyberspace, cybersecurity, and cyber warfare to disrupt, defeat and deter cyber attacks.

(7) In weighing the options for defending the United States, to consider possible structures and authorities that need to be established, revised, or augmented within the Federal Government.

(g) POWERS OF COMMISSION.—

(1) IN GENERAL.—(A) The Commission or, on the authorization of the Commission, any subcommittee or member thereof, may, for the purpose of carrying out the provisions of this section—

(i) hold such hearings and sit and act at such times and places, take such testimony, receive such evidence, and administer such oaths; and

(ii) require, by subpoena or otherwise, the attendance and testimony of such witnesses and the production of such books, records, correspondence, memoranda, papers, and documents, as the Commission or such designated subcommittee or designated member considers necessary.

(B) Subpoenas may be issued under subparagraph (A)(ii) under the signature of the co-chairs of the Commission, and may be served by any person designated by such co-chairs.

(C) The provisions of sections 102 through 104 of the Revised Statutes of the United States (2 U.S.C. 192–194) shall apply in the case of any failure of a witness to comply with any subpoena or to testify when summoned under authority of this section.

(2) CONTRACTING.—The Commission may, to such extent and in such amounts as are provided in advance in appropriation Acts, enter into contracts to enable the Commission to discharge its duties under this title.

(3) INFORMATION FROM FEDERAL AGENCIES.—(A) The Commission may secure directly from any executive department, agency, bureau, board, commission, office, independent establishment, or instrumentality of the Government information, suggestions, estimates, and statistics for the purposes of this title.

(B) Each such department, agency, bureau, board, commission, office, establishment, or instrumentality shall, to the extent authorized by law, furnish such information, suggestions, estimates, and statistics directly to the Commission, upon request of the co-chairs of the Commission.

(C) The Commission shall handle and protect all classified information provided to it under this section in accordance with applicable statutes and regulations.

(4) ASSISTANCE FROM FEDERAL AGENCIES.—(A) The Secretary of Defense shall provide to the Commission, on a nonreimbursable basis, such administrative services, funds, staff, facilities, and other support services as are necessary for the performance of the Commission's duties under this title.

(B) The Director of National Intelligence may provide the Commission, on a nonreimbursable basis, with such administrative services, staff, and other support services as the Commission may request.

(C) In addition to the assistance set forth in paragraphs (1) and (2), other departments and agencies of the United States may provide the Commission such services, funds, facilities, staff, and other support as such departments and agencies consider advisable and as may be authorized by law.

(D) The Commission shall receive the full and timely cooperation of any official, department, or agency of the United States Government whose assistance is necessary, as jointly determined by the co-chairs selected under subsection (b)(2), for the fulfillment of the duties of the Commission, including the provision of full and current briefings and analyses.

(5) POSTAL SERVICES.—The Commission may use the United States postal services in the same manner and under the same conditions as the departments and agencies of the United States.

(6) GIFTS.—No member or staff of the Commission may receive a gift or benefit by reason of the service of such member or staff to the Commission.

(h) STAFF OF COMMISSION.—

(1) IN GENERAL.—(A) The co-chairs of the Commission, in accordance with rules agreed upon by the Commission, shall appoint and fix the compensation of a staff director and such other personnel as may be necessary to enable the Commission to carry out its duties, without regard to the provisions of title 5, United States Code, governing appointments in the competitive service, and without regard to the provisions of chapter 51 and subchapter III of chapter 53 of such title relating to classification and General Schedule pay rates, except that no rate of pay fixed under this subsection may exceed the equivalent of that payable to a person occupying a position at level V of the Executive Schedule under section 5316 of such title.

(B) Any Federal Government employee may be detailed to the Commission without reimbursement from the Commission, and such detailee shall retain the rights, status, and privileges of his or her regular employment without interruption.

(C) All staff of the Commission shall possess a security clearance in accordance with applicable laws and regulations concerning the handling of classified information.

(2) CONSULTANT SERVICES.—(A) The Commission may procure the services of experts and consultants in accordance with section 3109 of title 5, United States Code, but at rates not to exceed the daily rate paid a person occupying a position at level IV of the Executive Schedule under section 5315 of such title.

(B) All experts and consultants employed by the Commission shall possess a security clearance in accordance with applicable laws and regulations concerning the handling of classified information.

(i) COMPENSATION AND TRAVEL EXPENSES.—

(1) COMPENSATION.—(A) Except as provided in paragraph (2), each member of the Commission may be compensated at not to exceed the daily equivalent of the annual rate of basic pay in effect for a position at level IV of the Executive Schedule under section 5315 of title 5, United States Code, for each day during which that member is engaged in the actual performance of the duties of the Commission under this title.

(B) Members of the Commission who are officers or employees of the United States or Members of Congress shall receive no additional pay by reason of their service on the Commission.

(2) TRAVEL EXPENSES.—While away from their homes or regular places of business in the performance of services for the Commission, members of the Commission may be allowed travel expenses, including per diem in lieu of subsistence, in the same manner as persons employed intermittently in the Government service are allowed expenses under section 5703 of title 5, United States Code.

(j) TREATMENT OF INFORMATION RELATING TO NATIONAL SECURITY.—

(1) IN GENERAL.—(A) The Director of National Intelligence shall assume responsibility for the handling and disposition of any information related to the national security of the United States that is received, considered, or used by the Commission under this title.

(B) Any information related to the national security of the United States that is provided to the Commission by a congres-

sional intelligence committees or the congressional armed services committees may not be further provided or released without the approval of the chairman of such committees.

(2) ACCESS AFTER TERMINATION OF COMMISSION.—Notwithstanding any other provision of law, after the termination of the Commission under subsection (k)(2), only the members and designated staff of the congressional intelligence committees, the Director of National Intelligence (and the designees of the Director), and such other officials of the executive branch as the President may designate shall have access to information related to the national security of the United States that is received, considered, or used by the Commission.

(k) FINAL REPORT; TERMINATION.—

(1) FINAL REPORT.—Not later than September 1, 2019, the Commission shall submit to the congressional defense committees, the congressional intelligence committees, the Committee on Homeland Security of the House of Representatives, the Committee on Homeland Security and Governmental Affairs of the Senate, the Director of National Intelligence, and the Secretary of Defense, and the Secretary of Homeland Security a final report on the findings of the Commission.

(2) TERMINATION.—(A) The Commission, and all the authorities of this section, shall terminate at the end of the 120-day period beginning on the date on which the final report under paragraph (1) is submitted to the congressional defense and intelligence committees.

(B) The Commission may use the 120-day period referred to in paragraph (1) for the purposes of concluding its activities, including providing testimony to Congress concerning the final report referred to in that paragraph and disseminating the report.

(l) ASSESSMENTS OF FINAL REPORT.—Not later than 60 days after receipt of the final report under subsection (k)(1), the Director of National Intelligence, the Secretary of Defense, and the Secretary of Homeland Security shall each submit to the congressional intelligence committees and the congressional defense committees an assessment by the Director or the Secretary, as the case may be, of the final report. Each assessment shall include such comments on the findings and recommendations contained in the final report as the Director or Secretary, as the case may be, considers appropriate.

(m) INAPPLICABILITY OF CERTAIN ADMINISTRATIVE PROVISIONS.—

(1) FEDERAL ADVISORY COMMITTEE ACT.—The provisions of the Federal Advisory Committee Act (5 U.S.C. App.) shall not apply to the activities of the Commission under this section.

(2) FREEDOM OF INFORMATION ACT.—The provisions of section 552 of title 5, United States Code (commonly referred to as the Freedom of Information Act), shall not apply to the activities, records, and proceedings of the Commission under this section.

(n) FUNDING.—

(1) AUTHORIZATION OF APPROPRIATIONS.—Of the amount authorized to be appropriated for fiscal year 2019 by this Act, as specified in the funding tables in division D, $4,000,000 may be used to carry out this section.

(2) AVAILABILITY IN GENERAL.—Subject to paragraph (1), the Secretary of Defense shall make available to the Commission such amounts as the Commission may require for purposes of the activities of the Commission under this section.

(3) DURATION OF AVAILABILITY.—Amounts made available to the Commission under paragraph (2) shall remain available until expended.

(o) CONGRESSIONAL INTELLIGENCE COMMITTEES DEFINED.—In this section, the term "congressional intelligence committees" means—

(1) the Select Committee on Intelligence of the Senate; and

(2) the Permanent Select Committee on Intelligence of the House of Representatives.

SEC. 1653. STUDY AND REPORT ON RESERVE COMPONENT CYBER CIVIL SUPPORT TEAMS.

(a) STUDY REQUIRED.—The Secretaries concerned shall conduct a study on the feasibility and advisability of the establishment of reserve component cyber civil support teams for each State.

(b) ELEMENTS.—The study under subsection (a) shall include the following:

(1) An examination of the potential ability of the teams referred to in such subsection to respond to an attack, natural disaster, or other large-scale incident affecting computer networks, electronics, or cyber capabilities, including an analysis of the following:

(A) The command structure and lines of authority for such teams.

(B) The operational capabilities of such teams.

(C) The legal authorities available to and constraints placed on such teams.

(D) The amount of funding and other resources that would be required by the Department of Defense to organize, train, and equip such teams.

(2) An analysis of the current use of reserve and active duty components in the Department of Defense and an explanation of how the establishment of such teams may affect the ability of the Department of Defense to—

(A) organize, train, equip, and employ the Cyber Mission Force, and other organic cyber forces; and

(B) perform the national defense missions and defense support to civil authorities for cyber incident response.

(3) An explanation of how the establishment of such teams may affect the ability of the Department of Homeland Security to—

(A) organize, train, equip, and employ cyber incident response teams; and

(B) perform civilian cyber response missions.

(4) An explanation as to how the establishment of such teams would fit into the current missions of the Department of Defense and the Department of Homeland Security.

(5) An analysis of current and projected State civilian and private sector cyber response capabilities and services, including an identification of any gaps in such capabilities and services, and including an analysis of the following:

(A) Whether such teams would be, on a risk- and cost-adjusted basis, of use for each State.

(B) How the establishment of such teams may impact Federal, State, and private sector resourcing for State civilian and private sector cyber response capabilities and services.

(6) An identification of the potential role of such teams with respect to the principles and processes set forth in—

(A) Presidential Policy Directive 20 (United States Cyber Operations Policy);

(B) Presidential Policy Directive 21 (Critical Infrastructure Security and Resilience); and

(C) Presidential Policy Directive 41 (United States Cyber Incident Coordination).

(7) An explanation of how such teams may interact with other organizations and elements of the Federal Government that have responsibilities under the Presidential Policy Directives referred to in paragraph (6).

(8) Any effects on the privacy and civil liberties of United States persons that may result from the establishment of such teams.

(9) Any other considerations determined to be relevant by the Secretaries concerned.

(c) REPORT REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretaries concerned shall submit to the appropriate congressional committees a report that includes—

(1) the results of the study conducted under subsection (a), including an explanation of each element described in subsection (b); and

(2) the final determination of the Secretaries with respect to the feasibility and advisability of establishing reserve component cyber civil support teams for each State.

(d) DEFINITIONS.—In this section:

(1) The term "appropriate congressional committees" means—

(A) the congressional defense committees;

(B) the Committee on Homeland Security of the House of Representatives; and

(C) the Committee on Homeland Security and Governmental Affairs of the Senate.

(2) The term "reserve component cyber civil support team" means a team that—

(A) is comprised of members of the reserve components;

(B) is organized, trained, equipped, and sustained by the Department of Defense for the purpose of assisting State authorities in preparing for and responding to cyber incidents, cyber emergencies, and cyber attacks; and

(C) operates principally under the command and control of the Chief Executive of the State in which the team is located.

(3) The term "Secretaries concerned" means the Secretary of Defense and the Secretary of Homeland Security acting jointly.

(4) The term "State" means each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, and the United States Virgin Islands.

SEC. 1654. IDENTIFICATION OF COUNTRIES OF CONCERN REGARDING CYBERSECURITY.

(a) IDENTIFICATION OF COUNTRIES OF CONCERN.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall create a list of countries that pose a risk to the cybersecurity of United States defense and national security systems and infrastructure. Such list shall reflect the level of threat posed by each country included on such list. In creating such list, the Secretary shall take in to account the following:

(1) A foreign government's activities that pose force protection or cybersecurity risk to the personnel, financial systems, critical infrastructure, or information systems of the United States or coalition forces.

(2) A foreign government's willingness and record of providing financing, logistics, training or intelligence to other persons, countries or entities posing a force protection or cybersecurity risk to the personnel, financial systems, critical infrastructure, or information systems of the United States or coalition forces.

(3) A foreign government's engagement in foreign intelligence activities against the United States for the purpose of undermining United States national security.

(4) A foreign government's knowing participation in transnational organized crime or criminal activity.

(5) A foreign government's cyber activities and operations to affect the supply chain of the United States Government.

(6) A foreign government's use of cyber means to unlawfully or inappropriately obtain intellectual property from the United States Government or United States persons.

(b) UPDATES.—The Secretary shall continuously update and maintain the list under subsection (a) to preempt obsolescence.

(c) REPORT TO CONGRESS.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the appropriate committees of Congress the list created pursuant to subsection (a) and any accompanying analysis that contributed to the creation of the list.

SEC. 1655. MITIGATION OF RISKS TO NATIONAL SECURITY POSED BY PROVIDERS OF INFORMATION TECHNOLOGY PRODUCTS AND SERVICES WHO HAVE OBLIGATIONS TO FOREIGN GOVERNMENTS.

(a) DISCLOSURE REQUIRED.—Subject to the regulations issued under subsection (b), the Department of Defense may not use a product, service, or system procured or acquired after the date of the enactment of this Act relating to information or operational technology, cybersecurity, an industrial control system, or weapons system provided by a person unless that person discloses to the Secretary of Defense the following:

(1) Whether, and if so, when, within five years before or at any time after the date of the enactment of this Act, the person has allowed a foreign government to review the code of a non-commercial product, system, or service developed for the Department, or whether the person is under any obligation to allow a foreign person or government to review the code of a non-commercial product, system, or service developed for the Department as a condition of entering into an agreement for sale or

other transaction with a foreign government or with a foreign person on behalf of such a government.

(2) Whether, and if so, when, within five years before or at any time after the date of the enactment of this Act, the person has allowed a foreign government listed in section 1654 to review the source code of a product, system, or service that the Department is using or intends to use, or is under any obligation to allow a foreign person or government to review the source code of a product, system, or service that the Department is using or intends to use as a condition of entering into an agreement for sale or other transaction with a foreign government or with a foreign person on behalf of such a government.

(3) Whether or not the person holds or has sought a license pursuant to the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations, or successor regulations, for information technology products, components, software, or services that contain code custom-developed for the non-commercial product, system, or service the Department is using or intends to use.

(b) REGULATIONS.—

(1) IN GENERAL.—The Secretary of Defense shall issue regulations regarding the implementation of subsection (a).

(2) UNIFORM REVIEW PROCESS.—If information obtained from a person under subsection (a) or the contents of the registry under subsection (f) are the subject of a request under section 552 of title 5, United States Code (commonly referred to as the "Freedom of Information Act"), the Secretary of Defense shall conduct a uniform review process, without regard to the office holding the information, to determine if the information is exempt from disclosure under such section 552.

(c) PROCUREMENT.—Procurement contracts for covered products or systems shall include a clause requiring the information contained in subsection (a) be disclosed during the period of the contract if an entity becomes aware of information requiring disclosure required pursuant to such subsection, including any mitigation measures taken or anticipated.

(d) MITIGATION OF RISKS.—

(1) IN GENERAL.—If, after reviewing a disclosure made by a person under subsection (a), the Secretary determines that the disclosure relating to a product, system, or service entails a risk to the national security infrastructure or data of the United States, or any national security system under the control of the Department, the Secretary shall take such measures as the Secretary considers appropriate to mitigate such risks, including, as the Secretary considers appropriate, by conditioning any agreement for the use, procurement, or acquisition of the product, system, or service on the inclusion of enforceable conditions or requirements that would mitigate such risks.

(2) THIRD-PARTY TESTING STANDARD.—Not later than two years after the date of the enactment of this Act the Secretary shall develop such third-party testing standard as the Secretary considers acceptable for commercial off the shelf (COTS) prod-

ucts, systems, or services to use when dealing with foreign governments.

(e) EXEMPTION OF OPEN SOURCE SOFTWARE.—This section shall not apply to open source software.

(f) ESTABLISHMENT OF REGISTRY.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall—

(1) establish within the operational capabilities of the Committee for National Security Systems (CNSS) or within such other agency as the Secretary considers appropriate a registry containing the information disclosed under subsection (a); and

(2) upon request, make such information available to any agency conducting a procurement pursuant to the Federal Acquisition Regulations or the Defense Federal Acquisition Regulations.

(g) ANNUAL REPORTS.—Not later than one year after the date of the enactment of this Act and not less frequently than once each year thereafter, the Secretary of Defense shall submit to the appropriate committees of Congress a report detailing the number, scope, product classifications, and mitigation agreements related to each product, system, and service for which a disclosure is made under subsection (a).

(h) DEFINITIONS.—In this section:

(1) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—The term "appropriate committees of Congress" means—

(A) the Committee on Armed Services, the Select Committee on Intelligence, and the Committee on Homeland Security and Governmental Affairs of the Senate; and

(B) the Committee on Armed Services, the Permanent Select Committee on Intelligence, the Committee on Homeland Security, and the Committee on Oversight and Government Reform of the House of Representatives.

(2) COMMERCIAL ITEM.—The term "commercial item" has the meaning given such term in section 103 of title 41, United States Code.

(3) INFORMATION TECHNOLOGY.—The term "information technology" has the meaning given such term in section 11101 of title 40, United States Code.

(4) NATIONAL SECURITY SYSTEM.—The term "national security system" has the meaning given such term in section 3552(b) of title 44, United States Code.

(5) NON-COMMERCIAL PRODUCT, SYSTEM, OR SERVICE.—The term "non-commercial product, system, or service" means a product, system, or service that does not meet the criteria of a commercial item.

(6) OPEN SOURCE SOFTWARE.—The term "open source software" means software for which the human-readable source code is available for use, study, re-use, modification, enhancement, and re-distribution by the users of such software.

SEC. 1656. REPORT ON CYBERSECURITY APPRENTICE PROGRAM.

Not later than 240 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a report on the feasibility of establishing a Cybersecurity Apprentice Program to support on-the-job training for cer-

tain cybersecurity positions and facilitate the acquisition of cybersecurity certifications.

SEC. 1657. REPORT ON ENHANCEMENT OF SOFTWARE SECURITY FOR CRITICAL SYSTEMS.

(a) REPORT REQUIRED.—Not later than March 1, 2019, the Principal Cyber Adviser to the Secretary of Defense, the Under Secretary of Defense for Research and Engineering, and the Chief Information Officer of the Department of Defense shall jointly submit to the congressional defense committees a report on a study, based on the authorities specified in subsection (b), on the costs, benefits, technical merits, and other merits of applying the technologies described in subsection (c) to the vulnerability assessment and remediation of the following systems:

(1) Nuclear systems and nuclear command and control.

(2) A critical subset of conventional power projection capabilities.

(3) Cyber command and control.

(4) Other defense critical infrastructure.

(b) BASIS FOR CONDUCT OF STUDY.—The study required for purposes of subsection (a) shall be conducted pursuant to the following:

(1) Section 1640 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

(2) Section 1650 of the National Defense Authorization Act for Fiscal Year 2017 (10 U.S.C. 2224 note).

(3) Section 1647 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1118).

(4) Section 937 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 10 U.S.C. 2224 note).

(c) TECHNOLOGIES.—The technologies described in this subsection include the following:

(1) Technology acquired, developed, and used by Combat Support Agencies of the Department of Defense to discover flaws and weaknesses in software code by inputting immense quantities of pseudo-random data (commonly referred to as "fuzz") to identify inputs that cause the software to fail or degrade.

(2) Cloud-based software fuzzing-as-a-service to continuously test the security of Department of Defense software repositories at large scale.

(3) Formal programming and protocol language for software code development and other methods and tools developed under various programs such as the High Assurance Cyber Military Systems program of the Defense Advanced Research Projects Agency.

(4) The binary analysis and symbolic execution software security tools developed under the Cyber Grand Challenge of the Defense Advanced Research Projects Agency.

(5) Any other advanced or immature technologies with respect to which the Department of Defense determines there is particular potential for application to the vulnerability assessment and remediation of the systems specified in subsection (a).

Subtitle D—Nuclear Forces

SEC. 1661. UNDER SECRETARY OF DEFENSE FOR RESEARCH AND ENGINEERING AND THE NUCLEAR WEAPONS COUNCIL.

Section 179(a) of title 10, United States Code, is amended—

(1) in paragraph (1), by striking ", Technology, and Logistics" and inserting "and Sustainment";

(2) by redesignating paragraphs (4) and (5) as paragraphs (5) and (6), respectively; and

(3) by inserting after paragraph (3) the following new paragraph (4):

"(4) The Under Secretary of Defense for Research and Engineering.".

SEC. 1662. LONG-RANGE STANDOFF WEAPON REQUIREMENTS.

Subparagraphs (A) and (B) of section 217(a)(1) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 706) are amended to read as follows:

"(A) achieves initial operating capability for nuclear missions prior to the retirement of the nuclear-armed AGM–86;

"(B) achieves initial operating capability for conventional missions by not later than five years after the date of the achievement under subparagraph (A); and".

SEC. 1663. ACCELERATION OF GROUND-BASED STRATEGIC DETERRENT PROGRAM AND LONG-RANGE STANDOFF WEAPON PROGRAM.

(a) PLAN FOR ACCELERATION OF PROGRAMS.—Consistent with validated military requirements and in accordance with applicable provisions of Federal law regarding acquisition, the Under Secretary of Defense for Acquisition and Sustainment, in consultation with the Secretary of the Air Force, shall develop and implement—

(1) a plan to accelerate the development, procurement, and fielding of the ground-based strategic deterrent program; and

(2) a plan to accelerate the development, procurement, and fielding of the long-range standoff weapon.

(b) CRITERIA.—The plans developed under subsection (a) shall meet the following criteria:

(1) With respect to the plan developed under paragraph (1) of such subsection, the plan shall ensure that the ground-based strategic deterrent program includes the recapitalization of the full intercontinental ballistic missile weapon system for 400 deployed missiles and associated spares and 450 launch facilities, without phasing or splitting the program, including with respect to the missile flight system, ground-based infrastructure and equipment, appropriate command and control elements.

(2) The plans shall include a comprehensive assessment of the benefits, risks, feasibility, costs, and cost savings of various options for accelerating the respective program covered by the plan, including by considering—

(A) accelerating—

(i) the technology maturation and risk reduction phase, including through the identification of low- and high- technology readiness levels, requirements, and timelines for maturing such technology;

(ii) the award of an engineering and manufacturing development contract; and

(iii) making the milestone B decision;

(B) transitioning full acquisition authority, responsibility, and accountability of the respective program to the Secretary of the Air Force, including milestone decision authority;

(C) providing a general officer-level program executive officer a dedicated, single-program, long-term assignment with a tailored acquisition approach, program strategy, and oversight model for the respective program that empowers the general officer to accelerate the program, make decisions, and be held accountable;

(D) streamlining, as appropriate, test and evaluation activities for the respective program, particularly for proven technologies, while ensuring high confidence in the final deployed system;

(E) leveraging agile software development or other innovative approaches to reduce timeframes for software development;

(F) identifying and proposing statutory changes that the Under Secretary or the Secretary of the Air Force determine could accelerate the respective program;

(G) identifying accelerated goals for initial operational capability and full operational capability for the respective program; and

(H) such other options as the Under Secretary or the Secretary of the Air Force consider appropriate.

(c) SUBMISSION.—Not later than 120 days after the date of the enactment of this Act, the Under Secretary, in consultation with the Secretary of the Air Force, shall submit to the congressional defense committees the plans developed under subsection (a), including an assessment of the options considered and the options selected to be implemented under the plans.

(d) BRIEFING.—Not later than 160 days after the date of the enactment of this Act, the Commander of the United States Strategic Command shall provide to the congressional defense committees a briefing on the views of the Commander with respect to the plans developed under subsection (a).

(e) DEFINITIONS.—In this section:

(1) The term "milestone B decision" has the meaning given that term in section 2400(a) of title 10, United States Code.

(2) The term "milestone decision authority" has the meaning given that term in section 2366a(d) of title 10, United States Code.

SEC. 1664. PROCUREMENT AUTHORITY FOR CERTAIN PARTS OF INTERCONTINENTAL BALLISTIC MISSILE FUZES.

(a) AVAILABILITY OF FUNDS.—Notwithstanding section 1502(a) of title 31, United States Code, of the amount authorized to be appropriated for fiscal year 2019 by section 101 and available for Missile Procurement, Air Force, as specified in the funding table in division D, $9,841,000 shall be available for the procurement of covered parts pursuant to contracts entered into under section 1645(a) of the Carl Levin and Howard P. "Buck" McKeon National Defense

Authorization Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat. 3651).

(b) COVERED PARTS DEFINED.—In this section, the term "covered parts" means commercially available off-the-shelf items as defined in section 104 of title 41, United States Code.

SEC. 1665. PROHIBITION ON REDUCTION OF THE INTERCONTINENTAL BALLISTIC MISSILES OF THE UNITED STATES.

(a) PROHIBITION.—Except as provided by subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Department of Defense shall be obligated or expended for—

(1) reducing, or preparing to reduce, the responsiveness or alert level of the intercontinental ballistic missiles of the United States; or

(2) reducing, or preparing to reduce, the quantity of deployed intercontinental ballistic missiles of the United States to a number less than 400.

(b) EXCEPTION.—The prohibition in subsection (a) shall not apply to any of the following activities:

(1) The maintenance or sustainment of intercontinental ballistic missiles.

(2) Ensuring the safety, security, or reliability of intercontinental ballistic missiles.

SEC. 1666. EXTENSION OF PROHIBITION ON AVAILABILITY OF FUNDS FOR MOBILE VARIANT OF GROUND-BASED STRATEGIC DETERRENT MISSILE.

Section 1664 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2615), as amended by section 1663 by the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is amended by striking "2019" and inserting "2020".

SEC. 1667. EXCHANGE PROGRAM FOR NUCLEAR WEAPONS PROGRAM EMPLOYEES.

(a) PROGRAM AUTHORIZED.—The Chairman of the Nuclear Weapons Council established under section 179 of title 10, United States Code, and the Administrator for Nuclear Security, shall jointly establish an exchange program under which—

(1) the Chairman shall arrange for the temporary assignment of civilian and military personnel working on nuclear weapons policy, production, and force structure issues in the Office of the Secretary of Defense, the Joint Staff, the Navy, or the Air Force to the Office of the Deputy Administrator for Defense Programs in the National Nuclear Security Administration; and

(2) the Administrator shall arrange for the temporary assignment of civilian personnel working on programs related to nuclear weapons in the Office of the Deputy Administrator for Defense Programs to the elements of the Department of Defense specified in paragraph (1).

(b) PURPOSES.—The purposes of the exchange program established under subsection (a) are—

(1) to familiarize personnel from the Department of Defense and the National Nuclear Security Administration with the equities, priorities, processes, culture, and employees of the other agency;

(2) for participants in the exchange program to return the expertise gained through their exchanges to their original agencies at the conclusion of their exchanges; and

(3) to improve communication between and integration of the agencies that support the formation and oversight of nuclear weapons policy through lasting relationships across the chain of command.

(c) PARTICIPANTS.—

(1) NUMBER OF PARTICIPANTS.—The Chairman and the Administrator shall each select not fewer than five and not more than 10 participants per year for participation in the exchange program established under subsection (a). The Chairman and the Administrator may determine how many participants to select under this paragraph without regard to the number of participants selected from the other agency.

(2) CRITERIA FOR SELECTION.—

(A) IN GENERAL.—The Chairman and the Administrator shall select participants for the exchange program established under subsection (a) from among mid-career employees and based on—

(i) the qualifications and desire to participate in the program of the employee; and

(ii) the technical needs and capacities of the Department of Defense and the National Nuclear Security Administration, as applicable.

(B) DEPARTMENT OF DEFENSE.—In selecting participants from the Department of Defense for the exchange program established under subsection (a), the Chairman shall ensure that there is a mix of military personnel and civilian employees of the Department.

(d) TERMS.—Exchanges pursuant to the exchange program established under subsection (a) shall be for terms of one to two years, as determined and negotiated by the Chairman and the Administrator. Such terms may begin and end on a rolling basis.

(e) GUIDANCE AND IMPLEMENTATION.—

(1) GUIDANCE.—Not later than 90 days after the date of the enactment of this Act, the Chairman and the Administrator shall jointly develop and submit to the congressional defense committees interim guidance on the form and contours of the exchange program established under subsection (a).

(2) IMPLEMENTATION.—Not later than 180 days after the date of the enactment of this Act, the Chairman and the Administrator shall implement the guidance developed under paragraph (1).

SEC. 1668. PLAN TO TRAIN OFFICERS IN NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS.

(a) IN GENERAL.—The Secretary of Defense, in consultation with the Secretary of the Air Force, the Secretary of the Navy, the Chairman of the Joint Chiefs of Staff, and the Commander of the United States Strategic Command, shall develop a plan to train, educate, manage, and track officers of the Armed Forces in nuclear command, control, and communications.

(b) ELEMENTS.—The plan required by subsection (a) shall address—

(1) manpower requirements at various grades;

(2) desired career paths and promotion timing; and

(3) any other matters the Secretary of Defense considers relevant to develop a mature cadre of officers with nuclear command, control, and communications expertise.

(c) SUBMISSION OF PLAN.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Armed Services of the Senate and the House of Representatives the plan required by subsection (a).

(d) IMPLEMENTATION.—Not later than 18 months after the date of the enactment of this Act, the Secretary of Defense shall implement the plan required by subsection (a).

SEC. 1669. INDEPENDENT STUDY ON OPTIONS TO INCREASE PRESIDENTIAL DECISION-TIME REGARDING NUCLEAR WEAPONS EMPLOYMENT.

(a) INDEPENDENT STUDY.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall seek to enter into a contract with a federally funded research and development center to conduct a study on the potential benefits and risks of options to increase the time the President has to make a decision regarding the employment of nuclear weapons.

(b) REPORTS.—

(1) SUBMISSION TO DOD.—Not later than 270 days after the date of the enactment of this Act, the federally funded research and development center shall submit to the Secretary a report containing the study conducted under subsection (a). Such report shall include the findings and recommendations of the center.

(2) SUBMISSION TO CONGRESS.—Not later than 30 days after the date on which the Secretary receives the report under paragraph (1), the Secretary shall submit to the congressional defense committees such report, without change, and any comments of the Secretary with respect to such report.

(3) FORM.—The reports under paragraphs (1) and (2) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1670. EXTENSION OF ANNUAL REPORT ON PLAN FOR THE NUCLEAR WEAPONS STOCKPILE, NUCLEAR WEAPONS COMPLEX, NUCLEAR WEAPONS DELIVERY SYSTEMS, AND NUCLEAR WEAPONS COMMAND AND CONTROL SYSTEM.

Section 1043 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat. 1576), as most recently amended by section 1665 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), is further amended in subsection (a)(1) by striking "2019" and inserting "2023".

SEC. 1671. PLAN FOR ALIGNMENT OF ACQUISITION OF WARHEAD LIFE EXTENSION PROGRAMS AND DELIVERY VEHICLES FOR SUCH WARHEADS.

Not later than February 15, 2019, the Chairman of the Nuclear Weapons Council established under section 179 of title 10, United States Code, shall submit to the congressional defense committees a plan containing a proposal for better aligning the acquisition of warhead life extension programs by the National Nuclear Security Administration with the acquisition of the planned delivery vehicles for such warheads by the Department of Defense.

SEC. 1672. ANNUAL REPORT ON DEVELOPMENT OF LONG-RANGE STAND-OFF WEAPON.

(a) REPORT REQUIRED.—Not later than February 15, 2019, and annually thereafter until the date on which the long-range stand-off weapon receives Milestone B approval (as defined in section 2366 of title 10, United States Code), the Secretary of the Air Force, in coordination with the Administrator for Nuclear Security and the Chairman of the Nuclear Weapons Council, shall submit to the congressional defense committees a report describing the joint development of the long-range stand-off weapon, including the missile developed by the Air Force and the W80–4 warhead life extension program conducted by the National Nuclear Security Administration.

(b) ELEMENTS.—The report under subsection (a) shall include the following:

(1) An estimate of the date on which the long-range stand-off weapon will reach initial operating capability.

(2) A description of any development milestones for the missile developed by the Air Force or the warhead developed by the National Nuclear Security Administration that depend on corresponding progress at the other agency.

(3) A description of coordination efforts between the Air Force and the National Nuclear Security Administration during the period covered by the report.

(4) A description of any schedule delays projected by the Air Force or the National Nuclear Security Administration and the anticipated effect such delays would have on the schedule of work of the other agency.

(5) Plans to mitigate the effects of any delays described in paragraph (4).

(6) A description of any ways, including through the availability of additional funding or authorities, in which the development milestones described in paragraph (2) or the estimated date of initial operating capability referred to in paragraph (1), could be achieved more quickly.

(7) An estimate of the acquisition costs for the long-range stand-off weapon.

(c) FORM.—The report required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1673. SENSE OF CONGRESS ON NUCLEAR POSTURE OF THE UNITED STATES.

It is the sense of Congress that—

(1) for more than 70 years the nuclear deterrent of the United States has played, and will continue to play, a central role in the national security of the United States and international stability;

(2) strong, credible, and flexible nuclear forces of the United States deter aggression by adversaries and assure the allies of the United States that the extended deterrence commitments of the United States are steadfast;

(3) the 2017 National Security Strategy, the 2018 National Defense Strategy, and the 2018 Nuclear Posture Review correctly assess changes in the security environment related to interstate strategic competition and recognize that the defense policies and posture of the United States, including those related to nuclear forces, must undergo measured adjustments;

(4) the United States remains committed to, and will continue to honor, its full range of nuclear arms control and nonproliferation treaty obligations and seeks continued engagement for prudent and verifiable agreements, however, the policies and actions of the United States must also hold states that violate such treaties accountable for such violations and take such violations into account when considering further arms control agreements;

(5) the North Atlantic Treaty Organization (NATO) plays an essential role in the national security of the United States and NATO should continue to strengthen and align its nuclear and conventional deterrence posture, planning, and exercises to align with modern threats, including modernizing its dual-capable aircraft, command and control networks, nuclear-related facilities, and conventional capabilities;

(6) the 2018 Nuclear Posture Review rightly states that the United States requires reliable, diverse, and tailorable nuclear forces capable of responding to a variety of current threats while preparing for future uncertainty and directs implementation of a comprehensive nuclear modernization program at both the Department of Defense and the National Nuclear Security Administration; and

(7) the Department of Defense and the National Nuclear Security Administration must integrate, partner, and organize themselves to successfully execute all aspects of the nuclear modernization program, including those regarding nuclear forces, warheads, infrastructure, command and control, and personnel.

Subtitle E—Missile Defense Programs

SEC. 1675. DEVELOPMENT OF PERSISTENT SPACE-BASED SENSOR ARCHITECTURE.

(a) DEVELOPMENT REQUIRED.—Subsection (a) of section 1683 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note) is amended by striking "If consistent with the direction or recommendations of the Ballistic Missile Defense Review that commenced in 2017, the Director of the Missile Defense Agency" and inserting "Subject to the availability of appropriations, beginning fiscal year 2019, the Director of the Missile Defense Agency, in coordination with the Commander of the Air Force Space Command and the Commander of the United States Strategic Command,".

(b) COMPATIBILITY WITH EFFORTS OF DEFENSE ADVANCED RESEARCH PROJECTS AGENCY.—Such section is amended—

(1) by redesignating subsections (e) and (f) as subsections (g) and (h), respectively; and

(2) by inserting after subsection (d) the following new subsection (e):

"(e) COMPATIBILITY WITH EFFORTS OF DEFENSE ADVANCED RESEARCH PROJECTS AGENCY.—The Director shall ensure that the sensor architecture developed under subsection (a) is compatible with efforts of the Defense Advanced Research Projects Agency relating to space-based sensors for missile defense.".

(c) REPORT ON USE OF OTHER AUTHORITIES.—Such section is further amended by inserting after subsection (e), as added by subsection (b) of this section, the following new subsection (f):

"(f) REPORT ON USE OF OTHER AUTHORITIES.—Not later than January 31, 2019, the Director shall submit to the appropriate congressional committees a report on the options available to the Director to use other transactional authorities pursuant to section 2371 of title 10, United States Code, to accelerate the development and deployment of the sensor architecture required by subsection (a).".

(d) PLAN.—

(1) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Department of Defense for the development of the space-based sensor architecture under subsection (a) of section 1683 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note), not more than 85 percent may be obligated or expended until the date on which the Director of the Missile Defense Agency submits the plan under subsection (g) of such section, as redesignated by subsection (b)(1) of this section.

(2) CLARIFICATION OF ROLES.—Section 1683(g) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note), as redesignated by subsection (b)(1) of this section, is amended by striking "the Director shall submit" and inserting "the Director, in coordination with the Commander of the Air Force Space Command and the Commander of the United States Strategic Command, shall submit".

SEC. 1676. BOOST PHASE BALLISTIC MISSILE DEFENSE.

(a) DEVELOPMENT AND STUDY.—Section 1685 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note) is amended by adding at the end the following new subsections:

"(d) DEVELOPMENT.—

"(1) REQUIREMENT.—Subject to the availability of appropriations, beginning fiscal year 2019, the Director of the Missile Defense Agency shall carry out a program to develop boost phase intercept capabilities that—

"(A) are cost effective;

"(B) are air-launched, ship-based, or both; and

"(C) include kinetic interceptors.

"(2) PARTNERSHIPS.—In developing kinetic boost phase intercept capabilities under paragraph (1), the Director may enter into partnerships with the Ministry of National Defense of the Republic of Korea or the Ministry of Defense of Japan, or both.

"(e) INDEPENDENT STUDY.—

"(1) REQUIREMENT.—The Secretary of Defense shall seek to enter into an agreement with a federally funded research and development center to conduct a feasibility study on providing an initial or demonstrated boost phase capability using unmanned aerial vehicles and kinetic interceptors by December 31, 2021. Such study shall include, at a minimum, a review of the study published by the Science, Technology, and National Security Working Group of the Massachusetts Institute of Tech-

nology in 2017 titled 'Airborne Patrol to Destroy DPRK ICBMs in Powered Flight'.

"(2) SUBMISSION.—Not later than July 31, 2019, the Secretary shall submit to the congressional defense committees the study conducted under paragraph (1).".

(b) MODIFICATION TO SENSE OF CONGRESS.—Subsection (a) of such section is amended by striking ", if consistent with the direction or recommendations of the Ballistic Missile Defense Review that commenced in 2017".

SEC. 1677. EXTENSION OF REQUIREMENT FOR REPORTS ON UNFUNDED PRIORITIES OF MISSILE DEFENSE AGENCY.

(a) IN GENERAL.—Section 1696 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2638)—

(1) is—

(A) transferred to chapter 9 of title 10, United States Code;

(B) inserted after section 222a; and

(C) redesignated as section 222b; and

(2) is amended—

(A) in subsection (a), by striking "for each of fiscal years 2018 and 2019" and inserting "for a fiscal year"; and

(B) in subsection (c)(3), by striking "the budget if" and all that follows through the period at the end and inserting "the budget if additional resources had been available for the budget to fund the program, activity, or mission requirement.".

(b) CLERICAL AMENDMENTS.—

(1) SECTION HEADING.—Section 222b of title 10, United States Code, as added by subsection (a), is amended—

(A) in the enumerator, by striking "SEC." and inserting "§"; and

*(B) by striking the section heading and inserting "**Unfunded priorities of the Missile Defense Agency: annual report**".*

(2) TABLE OF SECTIONS.—The table of sections at the beginning of chapter 9 of title 10, United States Code, is amended by inserting after the item relating to section 222a the following new item:

"222b. Unfunded priorities of the Missile Defense Agency: annual report.".

SEC. 1678. EXTENSION OF PROHIBITION RELATING TO MISSILE DEFENSE INFORMATION AND SYSTEMS.

Section 130h(e) of title 10, United States Code, is amended by striking "January 1, 2019" and inserting "January 1, 2021".

SEC. 1679. MODIFICATION OF REQUIREMENT RELATING TO TRANSITION OF BALLISTIC MISSILE DEFENSE PROGRAMS TO MILITARY DEPARTMENTS.

Section 1676(b)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note) is amended by inserting "or equivalent approval" before the period at the end.

SEC. 1680. MODIFICATION OF REQUIREMENT TO DEVELOP A SPACE-BASED BALLISTIC MISSILE INTERCEPT LAYER.

(a) DISSOCIATION WITH BALLISTIC MISSILE DEFENSE REVIEW.—Subsection (a) of section 1688 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2431 note) is amended, in the matter before paragraph (1), by striking "If consistent" and all that follows through "the Director" and inserting "Subject to the availability of appropriations, the Director".

(b) CONFORMING AMENDMENT.—Subsection (b) of such section is amended, in the matter before paragraph (1), by striking "If the Director carries out subsection (a), not later" and inserting "Not later".

SEC. 1681. IMPROVEMENTS TO ACQUISITION PROCESSES OF MISSILE DEFENSE AGENCY.

(a) NOTIFICATION ON CHANGES TO NON-STANDARD ACQUISITION PROCESSES AND RESPONSIBILITIES.—

(1) LIMITATION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Secretary of Defense may be obligated or expended to change the non-standard acquisition processes and responsibilities described in paragraph (2) until—

(A) the Secretary notifies the congressional defense committees of such proposed change; and

(B) a period of 90 days has elapsed following the date of such notification.

(2) NON-STANDARD ACQUISITION PROCESSES AND RESPONSIBILITIES DESCRIBED.—The non-standard acquisition processes and responsibilities described in this paragraph are such processes and responsibilities described in—

(A) the memorandum of the Secretary of Defense titled "Missile Defense Program Direction" signed on January 2, 2002;

(B) Department of Defense Directive 5134.09, as in effect on the date of the enactment of this Act; and

(C) United States Strategic Command Instruction 583–3.

(b) INTEGRATED MASTER TEST PLAN INFORMATION.—Together with the release of each integrated master test plan of the Missile Defense Agency, and at the same time as each budget of the President is submitted to Congress under section 1105(a) of title 31, United States Code, the Director of the Missile Defense Agency shall make publicly available a version of each such plan that identifies the fiscal year and the fiscal quarter in which events under the plan will occur.

(c) MISSILE DEFENSE EXECUTIVE BOARD.—In addition to the Under Secretary of Defense for Research and Engineering serving as chairman of the Missile Defense Executive Board pursuant to section 1676(c)(3)(B) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1773), the Under Secretary of Defense for Acquisition and Sustainment shall serve—

(1) as a member of the Board; and

(2) as co-chairman with respect to decisions regarding acquisition and the approval of acquisition and production milestones, including with respect to the use of other transaction authority contracts and transactions in excess of $500,000,000 (including all options).

SEC. 1682. LAYERED DEFENSE OF THE UNITED STATES HOMELAND.

(a) SENSE OF CONGRESS.—It is the sense of Congress that the United States should—

(1) continue to explore and deploy capabilities that increase the layered defense of the United States homeland;

(2) support, if determined by the Secretary of Defense as necessary for the national security of the United States, the deployment of a ground-based interceptor site, or potential other ballistic missile defense systems pending successful testing, on the East Coast of the United States that—

(A) weighs cost effectiveness and prioritization of capability; and

(B) provides for increased protection of the continental United States from North Korean and Iranian threats;

(3) support the ability of the Army, the Navy, and the Missile Defense Agency to deploy fixed, semi-fixed, and mobile at-sea and ashore assets to locations to increase the layered defense of all of the United States homeland; and

(4) support, as appropriate, further analysis and testing for regional systems to be employed for the layered defense of the United States homeland.

(b) CERTIFICATION.—Before the Secretary of Defense makes a potential determination to deploy regional assets to provide missile defense from longer range threats, the Secretary shall certify to the congressional defense committees that such deployment would not pose additional risk to strategic stability.

SEC. 1683. TESTING OF REDESIGNED KILL VEHICLE PRIOR TO PRODUCTION AND GROUND-BASED MIDCOURSE DEFENSE ACCELERATION OPTIONS.

(a) SUCCESSFUL TESTING REQUIRED.—Except as provided by subsection (b), the Director of the Missile Defense Agency may not make a lot production decision for the redesigned kill vehicle unless the vehicle has undergone at least one successful flight intercept test that meets the following criteria:

(1) The test sufficiently assesses the performance of the vehicle in order to inform a lot production decision.

(2) The results of the test demonstrate that the vehicle—

(A) will work in an effective manner; and

(B) has the ability to accomplish the intended mission of the vehicle.

(b) WAIVER.—The Secretary of Defense, without delegation, may waive subsection (a) if—

(1) the Secretary determines that the waiver is in the interest of national security;

(2) the Secretary determines that the threat of missiles is advancing at a pace that requires additional capacity of the ground-based midcourse system by 2023;

(3) the Secretary determines that the waiver is appropriate in light of the assessment conducted by the Director of Operational Test and Evaluation under subsection (c);

(4) the Secretary submits to the congressional defense committees a report containing—

(A) a notice of the waiver, including the rationale of the Secretary for making the waiver;

(B) a certification by the Secretary that the Secretary has analyzed and accepts the risk of making and implementing a lot production decision for the redesigned kill vehicle prior to the vehicle undergoing a successful flight intercept test; and

(C) the assessment of the Director of Operational Test and Evaluation under subsection (c); and

(5) a period of 30 days elapses following the date on which the Secretary submits the report under paragraph (4).

(c) ASSESSMENT ON RISKS.—The Director of Operational Test and Evaluation shall submit to the Secretary of Defense an assessment on the risks of making a lot production decision for the redesigned kill vehicle prior to the vehicle undergoing a successful flight intercept test.

(d) REPORT.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Director of the Missile Defense Agency shall submit to the congressional defense committees a report on ways the Director could accelerate by at least one year the construction of Missile Field 4 at Fort Greely, Alaska, as well as the deployment of 20 ground-based interceptors with redesigned kill vehicles at such missile field.

(2) CONTENTS.—The report under paragraph (1) shall include the following:

(A) A threat-based description of the benefits and risks of accelerating the construction and deployment referred to in paragraph (1).

(B) A description of the technical and acquisition risks and potential effects on the reliability of the redesigned kill vehicle if deployment is accelerated as described in paragraph (1).

(C) A description of the cost implications of accelerating the construction and deployment referred to in paragraph (1).

(D) A description of the effect such acceleration would have on the redesigned kill vehicle flight test schedule and the overall integrated master test plan.

(E) A description of the effect that the acceleration described in paragraph (1) would have on re-tipping currently deployed exoatmospheric kill vehicles with the redesigned kill vehicle.

(F) A description of how such acceleration would align with the deployment of the long-range discrimination radar and the discrimination radar for homeland defense to be made operational in Hawaii.

(G) A cost-benefit analysis and a feasibility assessment for construction of a fifth missile field at Fort Greely, Alaska.

(3) FORM.—The report under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1684. REQUIREMENTS FOR BALLISTIC MISSILE DEFENSE CAPABLE SHIPS.

(a) FORCE STRUCTURE ASSESSMENT.—The Secretary of the Navy, in consultation with the Director of the Missile Defense Agen-

cy, shall include in the first force structure assessment conducted following the date of the enactment of this Act the following:

(1) An assessment of the requirements for ballistic missile defense capable ships.

(2) The force structure requirements associated with advanced ballistic missile defense capabilities.

(b) FORCE STRUCTURE ASSESSMENT DEFINED.—The term "force structure assessment" has the meaning given the term in Chief of Naval Operations Instruction 3050.27.

SEC. 1685. MULTIYEAR PROCUREMENT AUTHORITY FOR STANDARD MISSILE–3 IB GUIDED MISSILES.

(a) AUTHORITY FOR MULTIYEAR PROCUREMENT.—Subject to section 2306b of title 10, United States Code, the Secretary of Defense may enter into one or more multiyear contracts, beginning with the fiscal year 2019 program year, for the procurement of standard missile–3 block IB guided missiles.

(b) AUTHORITY FOR ADVANCE PROCUREMENT.—The Secretary may enter into one or more contracts for advance procurement associated with the missiles for which authorization to enter into a multiyear procurement contract is provided under subsection (a).

(c) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2019 is subject to the availability of appropriations for that purpose for such later fiscal year.

SEC. 1686. LIMITATION ON AVAILABILITY OF FUNDS FOR ARMY LOWER TIER AIR AND MISSILE DEFENSE SENSOR.

(a) LIMITATION.—If the Secretary of the Army issues an acquisition strategy for a 360-degree lower tier air and missile defense sensor pursuant to section 1679(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1774) that proposes such sensor achieve initial operating capability later than December 31, 2023, not more than 50 percent of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for such sensor may be obligated or expended until the date on which the Secretary submits to the congressional defense committees a report—

(1) explaining the rationale of such delayed initial operating capability, including a description of any technological or acquisition-related factors causing such delay; and

(2) containing a funding profile and schedule to ensure that such sensor would achieve initial operating capability by December 31, 2023.

(b) PERFORMANCE SPECIFICATION.—The Secretary shall ensure that the performance specification of the 360-degree lower tier air and missile defense sensor—

(1) specifies requirements relating to—

(A) detecting and tracking complex attacks from air-breathing threats, tactical ballistic missiles, and emerging hypersonic weapons; and

(B) being a key component of the future integrated air and missile defense architecture of the Army and supporting engagements for the full range and capability of Patriot Advanced Capability–3 missile segment enhancement interceptors; and

(2) uses evaluation criteria that enable an understanding of the cost and value of procuring such sensor in accordance with such specified requirements.

SEC. 1687. MISSILE DEFENSE RADAR IN HAWAII.

(a) SENSE OF CONGRESS.—It is the sense of Congress that the Secretary of Defense, acting through the Director of the Missile Defense Agency, and in coordination with relevant Federal and local entities, should—

(1) ensure an on-time delivery of the discrimination radar for homeland defense to be made operational in Hawaii; and

(2) accelerate the deployment of the radar as much as possible, contingent on the environmental review process pursuant to the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.).

(b) CERTIFICATION.—Not later than 45 days after the date of the enactment of this Act, the Director of the Missile Defense Agency shall certify to the congressional defense committees that—

(1) the Director is on schedule to award the contract for the discrimination radar for homeland defense planned to be located in Hawaii by December 31, 2018; and

(2) such radar and associated in-flight interceptor communications system data terminal will be operational by not later than September 30, 2023.

(c) UPDATES.—

(1) MONTHLY UPDATES ON DELAYED SCHEDULE.—If the Director has not awarded the contract referred to in subsection (b)(1) by December 31, 2018, on a monthly basis beginning on such date and ending on the date on which the Director makes such award, the Director shall provide to the congressional defense committees an update explaining—

(A) the rationale for the delay in making such award; and

(B) any effects of such delay in making such radar and associated in-flight interceptor communications system data terminal operational by not later than September 30, 2023.

(2) SEMIANNUAL UPDATES.—Not later than June 3, 2019, and semiannually thereafter through 2021, the Director shall provide to the congressional defense committees an update on—

(A) the acquisition of the discrimination radar for homeland defense planned to be located in Hawaii and the associated in-flight interceptor communications system data terminal; and

(B) the environmental review process for such radar pursuant to the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.).

SEC. 1688. IRON DOME SHORT-RANGE ROCKET DEFENSE SYSTEM AND ISRAELI COOPERATIVE MISSILE DEFENSE PROGRAM CO-DEVELOPMENT AND CO-PRODUCTION.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the strong and enduring relationship between the United States and Israel is in the national security interest of both countries; and

(2) the memorandum of understanding signed by the United States and Israel on September 14, 2016, including the

provisions of the memorandum relating to missile and rocket defense cooperation, is a critical component of the bilateral relationship.

(b) IRON DOME SHORT-RANGE ROCKET DEFENSE SYSTEM.—

(1) AVAILABILITY OF FUNDS.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for procurement, Defense-wide, and available for the Missile Defense Agency, $70,000,000 may be provided to the Government of Israel, in accordance with the memorandum of understanding signed by the United States and Israel on September 14, 2016, to procure components for the Iron Dome short-range rocket defense system through co-production of such components in the United States by industry of the United States.

(2) CONDITIONS.—

(A) AGREEMENT.—Funds described in paragraph (1) for the Iron Dome short-range rocket defense program shall be available subject to the terms and conditions in the Agreement Between the Department of Defense of the United States of America and the Ministry of Defense of the State of Israel Concerning Iron Dome Defense System Procurement, signed on March 5, 2014, as amended to include co-production for Tamir interceptors.

(B) CERTIFICATION.—Not later than 30 days prior to the initial obligation of funds described in paragraph (1), the Director of the Missile Defense Agency and the Under Secretary of Defense for Acquisition and Sustainment shall jointly submit to the appropriate congressional committees—

(i) a certification that the amended bilateral international agreement specified in subparagraph (A) is being implemented as provided in such agreement; and

(ii) an assessment detailing any risks relating to the implementation of such agreement.

(c) ISRAELI COOPERATIVE MISSILE DEFENSE PROGRAM, DAVID'S SLING WEAPON SYSTEM CO-PRODUCTION.—

(1) IN GENERAL.—Subject to paragraph (2), of the funds authorized to be appropriated for fiscal year 2019 for procurement, Defense-wide, and available for the Missile Defense Agency, $50,000,000 may be provided to the Government of Israel, in accordance with the memorandum of understanding signed by the United States and Israel on September 14, 2016, to procure the David's Sling Weapon System, including for co-production of parts and components in the United States by United States industry.

(2) CERTIFICATION.—The Under Secretary of Defense for Acquisition and Sustainment shall submit to the appropriate congressional committees a certification that—

(A) the Government of Israel has demonstrated the successful completion of the knowledge points, technical milestones, and production readiness reviews required by the research, development, and technology agreement and the bilateral co-production agreement for the David's Sling Weapon System;

(B) funds specified in paragraph (1) will be provided on the basis of a one-for-one cash match made by Israel or in another matching amount that otherwise meets best efforts (as mutually agreed to by the United States and Israel); and

(C) the level of co-production of parts, components, and all-up rounds (if appropriate) in the United States by United States industry for the David's Sling Weapon System is not less than 50 percent.

(d) ISRAELI COOPERATIVE MISSILE DEFENSE PROGRAM, ARROW 3 UPPER TIER INTERCEPTOR PROGRAM CO-PRODUCTION.—

(1) IN GENERAL.—Subject to paragraph (2), of the funds authorized to be appropriated for fiscal year 2019 for procurement, Defense-wide, and available for the Missile Defense Agency, $80,000,000 may be provided to the Government of Israel, in accordance with the memorandum of understanding signed by the United States and Israel on September 14, 2016, for the Arrow 3 Upper Tier Interceptor Program, including for co-production of parts and components in the United States by United States industry.

(2) CERTIFICATION.—Except as provided by paragraph (3), the Under Secretary of Defense for Acquisition and Sustainment shall submit to the appropriate congressional committees a certification that—

(A) the Government of Israel has demonstrated the successful completion of the knowledge points, technical milestones, and production readiness reviews required by the research, development, and technology agreements for the Arrow 3 Upper Tier Interceptor Program;

(B) funds specified in paragraph (1) will be provided on the basis of a one-for-one cash match made by Israel or in another matching amount that otherwise meets best efforts (as mutually agreed to by the United States and Israel);

(C) the United States has entered into a bilateral international agreement with Israel that establishes, with respect to the use of such funds—

(i) in accordance with subparagraph (D), the terms of co-production of parts and components on the basis of the greatest practicable co-production of parts, components, and all-up rounds (if appropriate) by United States industry and minimizes nonrecurring engineering and facilitization expenses to the costs needed for co-production;

(ii) complete transparency on the requirement of Israel for the number of interceptors and batteries that will be procured, including with respect to the procurement plans, acquisition strategy, and funding profiles of Israel;

(iii) technical milestones for co-production of parts and components and procurement;

(iv) a joint affordability working group to consider cost reduction initiatives; and

(v) joint approval processes for third-party sales; and

(D) the level of co-production described in subparagraph (C)(i) for the Arrow 3 Upper Tier Interceptor Program is not less than 50 percent.

(3) WAIVER.—The Under Secretary may waive the certification required by paragraph (2) if the Under Secretary certifies to the appropriate congressional committees that the Under Secretary has received sufficient data from the Government of Israel to demonstrate—

(A) the funds specified in paragraph (1) are provided to Israel solely for funding the procurement of long-lead components and critical hardware in accordance with a production plan, including a funding profile detailing Israeli contributions for production, including long-lead production, of the Arrow 3 Upper Tier Interceptor Program;

(B) such long-lead components have successfully completed knowledge points, technical milestones, and production readiness reviews; and

(C) the long-lead procurement will be conducted in a manner that maximizes co-production in the United States without incurring nonrecurring engineering activity or cost other than such activity or cost required for suppliers of the United States to start or restart production in the United States.

(e) NUMBER.—In carrying out paragraph (2) of subsection (c) and paragraph (2) of subsection (d), the Under Secretary may submit—

(1) one certification covering both the David's Sling Weapon System and the Arrow 3 Upper Tier Interceptor Program; or

(2) separate certifications for each respective system.

(f) TIMING.—The Under Secretary shall submit to the congressional defense committees the certifications under paragraph (2) of subsection (c) and paragraph (2) of subsection (d) by not later than 60 days before the funds specified in paragraph (1) of subsections (c) and (d) for the respective system covered by the certification are provided to the Government of Israel.

(g) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means the following:

(1) The congressional defense committees.

(2) The Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 1689. ACCELERATION OF HYPERSONIC MISSILE DEFENSE PROGRAM.

(a) ACCELERATION OF PROGRAM.—Subject to the availability of appropriations, the Director of the Missile Defense Agency shall accelerate the hypersonic missile defense program of the Missile Defense Agency.

(b) DEPLOYMENT.—The Director shall deploy such program in conjunction with a persistent space-based missile defense sensor program.

(c) REPORT.—

(1) IN GENERAL.—Not later than 90 days after the date of the enactment of this Act, the Director shall submit to the congressional defense committees a report on how hypersonic mis-

sile defense can be accelerated to meet emerging hypersonic threats.

(2) CONTENTS.—The report under paragraph (1) shall include the following:

(A) An estimate of the cost of the acceleration described in such paragraph.

(B) The technical requirements and acquisition plan needed for the Director to develop and deploy a hypersonic missile defense program.

(C) A testing campaign plan that accelerates the delivery of hypersonic defense systems to the warfighter.

(3) FORM.—The report required by paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1690. REPORT ON BALLISTIC MISSILE DEFENSE.

(a) REPORT.—Not later than 180 days after the date on which the Ballistic Missile Defense Review that commenced in 2017 is published, the Secretary of Defense shall submit to the congressional defense committees a report that addresses the implications of the recommendations of the Ballistic Missile Defense Review on current programs of record, costs and resource prioritization, and strategic stability.

(b) CBO REPORT ON COSTS.—

(1) REPORT.—Not later than one year after the date on which the Ballistic Missile Defense Review that commenced in 2017 is published, the Director of the Congressional Budget Office shall submit to the congressional defense committees a report setting forth an estimate of the costs over the 10-year period beginning on the date of the report associated with implementing any recommendations of the Ballistic Missile Defense Review.

(2) FORM.—The report under subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1691. SENSE OF CONGRESS ON ALLIED PARTNERSHIPS FOR MISSILE DEFENSE.

It is the sense of Congress that—

(1) the United States should seek additional opportunities, at the tactical, operational, and strategic levels, to provide missile defense capabilities, doctrine, interoperability, and planning to allies and trusted partners of the United States;

(2) an expedited foreign military sales arrangement would be beneficial in delivering such missile defenses to allies and trusted partners; and

(3) it is important to continue to work with allies and trusted partners to learn from their experience deploying successful missile defense technologies.

SEC. 1692. SENSE OF CONGRESS ON TESTING BY MISSILE DEFENSE AGENCY.

It is the sense of Congress that—

(1) the Missile Defense Agency should, as part of the test program of the Agency, continue to build an independently accredited modeling and simulation element to better inform missile defense performance assessments and test criteria; and

(2) the Missile Defense Agency should continue to pursue an increasingly rigorous testing regime, in coordination with the Director of Operational Test and Evaluation, to more rapidly deliver capabilities to the warfighter as the threat evolves.

Subtitle F—Other Matters

SEC. 1695. EXTENSION OF COMMISSION TO ASSESS THE THREAT TO THE UNITED STATES FROM ELECTROMAGNETIC PULSE ATTACKS AND SIMILAR EVENTS.

Section 1691 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1786) is amended—

(1) in subsection (e)—

(A) in paragraph (1)(A), by striking "April 1, 2019" and inserting "April 1, 2020"; and

(B) in paragraph (3), by striking "October 1, 2018" and inserting "October 1, 2019"; and

(2) in subsection (h), by striking "October 1, 2019" and inserting "October 1, 2020".

SEC. 1696. PROCUREMENT OF AMMONIUM PERCHLORATE AND OTHER CHEMICALS FOR USE IN SOLID ROCKET MOTORS.

(a) BUSINESS CASE ANALYSIS.—

(1) GOVERNMENT-OWNED, CONTRACTOR OPERATED.—The Secretary of the Army and the Under Secretary of Defense for Acquisition and Sustainment shall jointly conduct a business case analysis of the Federal Government using a Government-owned, contractor-operated model to ensure a robust domestic industrial base to supply specialty chemicals, including ammonium perchlorate, for use in solid rocket motors. Such analysis shall include assessments of the near- and long-term costs, operating and sustainment costs, program impacts, opportunities for competition, opportunities for redundant or complementary capabilities, and national security implications of using such a model.

(2) REPORT.—Not later than March 1, 2019, the Secretary and the Under Secretary shall submit to the congressional defense committees the business case analysis conducted under paragraph (1).

(b) ANNUAL REPORTS ON CERTAIN SOLID ROCKET MOTORS.—

(1) IN GENERAL.—Not later than December 31, 2018, and each year thereafter through 2021, the Secretary of Defense shall submit to the congressional defense committees an annual report on rockets or missiles provided to the Department of Defense during the year covered by the report that use a solid rocket motor that was, in whole or in part, recovered or recycled from a rocket motor previously owned by the Department of Defense.

(2) MATTERS INCLUDED.—Each report under paragraph (1) shall include, with respect to the year covered by the report, the following:

(A) An identification of which rockets or missiles covered by the report use recycled ammonium perchlorate.

(B) The quantity of such recovered or recycled ammonium perchlorate.

(C) Whether any of the solid rocket propellant, or sodium perchlorate precursor, to be used in the rocket or mis-

sile is imported from a foreign country, and if so, the identity of the country.

(D) Any other information the Secretary determines appropriate.

SEC. 1697. BUDGET EXHIBIT ON SUPPORT PROVIDED TO ENTITIES OUTSIDE DEPARTMENT OF DEFENSE.

(a) IN GENERAL.—The Under Secretary of Defense (Comptroller) shall include in the budget justification materials submitted to Congress in support of the Department of Defense budget for each fiscal year (as submitted with the budget of the President under section 1105(a) of title 31, United States Code) a single budget exhibit containing relevant details pertaining to support provided by the Department of Defense to the Executive Office of the President related to senior leader communications and continuity of Government programs.

(b) INCLUSIONS.—The budget exhibit required by subsection (a) shall include—

(1) support provided by the White House Military Office, the White House Communications Agency, special mission area activities of the Defense Information Systems Agency, and other relevant programs; and

(2) specific appropriation and line numbers where appropriate.

(c) FORM.—The budget exhibit required by subsection (a) shall be submitted in unclassified form, but may include a classified annex.

SEC. 1698. CONVENTIONAL PROMPT GLOBAL STRIKE HYPERSONIC CAPABILITIES.

(a) VALIDATED REQUIREMENTS.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a validated requirement for ground-, sea-, or air-launched (or a combination thereof) conventional prompt global strike hypersonic capabilities.

(b) REPORT.—Not later than January 31, 2019, the Under Secretary of Defense for Acquisition and Sustainment, in coordination with the Under Secretary of Defense for Policy, shall submit to the congressional defense committees a report that contains the following:

(1) A plan to deliver a conventional prompt global strike weapon system that—

(A) is in accordance with section 1693 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1791); and

(B) includes—

(i) options with cost estimates for accelerating the initial capability for such system; and

(ii) a description of policy decisions by the Secretary of Defense that are necessary to employ hypersonic offense capabilities from each potential launch platform of such system.

(2) Details with respect to the assessed level of ambiguity and misinterpretation risk relating to the conventional prompt global strike weapon system, including such potential risks associated with weapon ambiguity (including if adversary sensors

are degraded), perceptions of the survivability of strategic nuclear forces, and likely adversary responses.

(3) A description of whether, when, and how the Under Secretary of Defense for Policy would address the risks identified under paragraph (2) in developing and deploying the conventional prompt global strike weapon system and in developing the concept of operations for such system.

SEC. 1699. REPORT REGARDING INDUSTRIAL BASE FOR LARGE SOLID ROCKET MOTORS.

(a) REPORT.—

(1) IN GENERAL.—Not later than April 15, 2019, the Under Secretary of Defense for Acquisition and Sustainment, in consultation with the Secretaries of the military departments that the Under Secretary determines appropriate, shall submit to the appropriate congressional committees a report on whether, and if so, how, the Federal Government will sustain more than one supplier for large solid rocket motors.

(2) MATTERS INCLUDED.—The report under paragraph (1) shall include an assessment of the following:

(A) The risks within the industrial base for large solid rocket motors, including the risks to national security.

(B) The near- and long-term costs associated with having a single source of large solid rocket motors as compared to having more than one such source.

(C) Options for sustaining more than one supplier for large solid rocket motors, including through leveraging—

(i) the ground-based strategic deterrent program;

(ii) the Trident II D5 fleet ballistic missile program;

(iii) the ground-based midcourse defense program;

(iv) national security space launch programs;

(v) programs of the National Aeronautics and Space Administration; and

(vi) any other applicable programs that use or may use solid rocket motors of any size, including with respect to substrategic and tactical systems.

(b) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means the following:

(1) The congressional defense committees.

(2) The Committee on Science, Space, and Technology and the Permanent Select Committee on Intelligence of the House of Representatives.

(3) The Committee on Commerce, Science, and Transportation and the Select Committee on Intelligence of the Senate.

TITLE XVII—REVIEW OF FOREIGN INVESTMENT AND EXPORT CONTROLS

Subtitle A—Committee on Foreign Investment in the United States

Sec. 1701. Short title: Foreign Investment Risk Review Modernization Act of 2018.
Sec. 1702. Findings; sense of Congress.
Sec. 1703. Definitions.
Sec. 1704. Acceptance of written notices.
Sec. 1705. Inclusion of partnership and side agreements in notice.
Sec. 1706. Declarations for certain covered transactions.
Sec. 1707. Stipulations regarding transactions.

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Subtitle A—Committee on Foreign Investment in the United States

SEC. 1701. SHORT TITLE: FOREIGN INVESTMENT RISK REVIEW MODERNIZATION ACT OF 2018.

This subtitle may be cited as the "Foreign Investment Risk Review Modernization Act of 2018".

SEC. 1702. FINDINGS; SENSE OF CONGRESS.

(a) FINDINGS.—Congress makes the following findings:

(1) According to a February 2016 report by the International Trade Administration of the Department of Commerce, 12,000,000 United States workers, equivalent to 8.5 percent of the labor force, have jobs resulting from foreign investment, including 3,500,000 jobs in the manufacturing sector alone.

(2) In 2016, new foreign direct investment in United States manufacturing totaled $129,400,000,000.

(3) The Bureau of Economic Analysis of the Department of Commerce concluded that, in 2015—

(A) foreign-owned affiliates in the United States—

(i) contributed $894,500,000,000 in value added to the United States economy;

(ii) exported goods valued at $352,800,000,000, accounting for nearly a quarter of total exports of goods from the United States; and

(iii) undertook $56,700,000,000 in research and development; and

(B) the 7 countries investing the most in the United States, all of which are United States allies (the United Kingdom, Japan, Germany, France, Canada, Switzerland, and the Netherlands) accounted for 72.1 percent of the value added by foreign-owned affiliates in the United States and more than 80 percent of research and development expenditures by such entities.

(4) According to the Government Accountability Office, from 2011 to 2016, the number of transactions reviewed by the Committee on Foreign Investment in the United States (commonly referred to as "CFIUS") grew by 55 percent, while the staff of the Committees assigned to the reviews increased by 11 percent.

(5) According to a February 2018 report of the Government Accountability Office on the Committee on Foreign Investment in the United States (GAO–18–249): "Officials from Treasury and other member agencies are aware of pressures on their CFIUS staff given the current workload and have expressed concerns about possible workload increases.". The Government Accountability Office concluded: "Without attaining an understanding of the staffing levels needed to address the current and future CFIUS workload, particularly if legislative changes to CFIUS's authorities further expand its workload, CFIUS may be limited in its ability to fulfill its objectives and address threats to the national security of the United States.".

(6) On March 30, 1954, Dwight David Eisenhower—five-star general, Supreme Allied Commander, and 34th President of the United States—in his "Special Message to the Congress on Foreign Economic Policy", counseled: "Great mutual advantages to buyer and seller, to producer and consumer, to investor

and to the community where investment is made, accrue from high levels of trade and investment.". President Eisenhower continued: "The internal strength of the American economy has evolved from such a system of mutual advantage. In the press of other problems and in the haste to meet emergencies, this nation—and many other nations of the free world—have all too often lost sight of this central fact.". President Eisenhower concluded: "If we fail in our trade policy, we may fail in all. Our domestic employment, our standard of living, our security, and the solidarity of the free world—all are involved.".

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) foreign investment provides substantial economic benefits to the United States, including the promotion of economic growth, productivity, competitiveness, and job creation, thereby enhancing national security;

(2) maintaining the commitment of the United States to an open investment policy encourages other countries to reciprocate and helps open new foreign markets for United States businesses;

(3) it should continue to be the policy of the United States to enthusiastically welcome and support foreign investment, consistent with the protection of national security;

(4) at the same time, the national security landscape has shifted in recent years, and so has the nature of the investments that pose the greatest potential risk to national security, which warrants an appropriate modernization of the processes and authorities of the Committee on Foreign Investment in the United States and of the United States export control system;

(5) the Committee on Foreign Investment in the United States plays a critical role in protecting the national security of the United States, and, therefore, it is essential that the member agencies of the Committee are adequately resourced and able to hire appropriately qualified individuals in a timely manner, and that those individuals' security clearances are processed as a high priority;

(6) the President should conduct a more robust international outreach effort to urge and help allies and partners of the United States to establish processes that are similar to the Committee on Foreign Investment in the United States to screen foreign investments for national security risks and to facilitate coordination;

(7) the President should lead a collaborative effort with allies and partners of the United States to strengthen the multilateral export control regime;

(8) any penalties imposed by the United States Government with respect to an individual or entity pursuant to a determination that the individual or entity has violated sanctions imposed by the United States or the export control laws of the United States should not be reversed for reasons unrelated to the national security of the United States; and

(9) the Committee on Foreign Investment in the United States should continue to review transactions for the purpose of protecting national security and should not consider issues of national interest absent a national security nexus.

(c) SENSE OF CONGRESS ON CONSIDERATION OF COVERED TRANSACTIONS.—It is the sense of Congress that, when considering national security risks, the Committee on Foreign Investment in the United States may consider—

(1) whether a covered transaction involves a country of special concern that has a demonstrated or declared strategic goal of acquiring a type of critical technology or critical infrastructure that would affect United States leadership in areas related to national security;

(2) the potential national security-related effects of the cumulative control of, or pattern of recent transactions involving, any one type of critical infrastructure, energy asset, critical material, or critical technology by a foreign government or foreign person;

(3) whether any foreign person engaging in a covered transaction with a United States business has a history of complying with United States laws and regulations;

(4) the control of United States industries and commercial activity by foreign persons as it affects the capability and capacity of the United States to meet the requirements of national security, including the availability of human resources, products, technology, materials, and other supplies and services, and in considering "the availability of human resources", should construe that term to include potential losses of such availability resulting from reductions in the employment of United States persons whose knowledge or skills are critical to national security, including the continued production in the United States of items that are likely to be acquired by the Department of Defense or other Federal departments or agencies for the advancement of the national security of the United States;

(5) the extent to which a covered transaction is likely to expose, either directly or indirectly, personally identifiable information, genetic information, or other sensitive data of United States citizens to access by a foreign government or foreign person that may exploit that information in a manner that threatens national security; and

(6) whether a covered transaction is likely to have the effect of exacerbating or creating new cybersecurity vulnerabilities in the United States or is likely to result in a foreign government gaining a significant new capability to engage in malicious cyber-enabled activities against the United States, including such activities designed to affect the outcome of any election for Federal office.

SEC. 1703. DEFINITIONS.

Section 721(a) of the Defense Production Act of 1950 (50 U.S.C. 4565(a)) is amended to read as follows:

"(a) DEFINITIONS.—In this section:

"(1) CLARIFICATION.—The term 'national security' shall be construed so as to include those issues relating to 'homeland security', including its application to critical infrastructure.

"(2) COMMITTEE; CHAIRPERSON.—The terms 'Committee' and 'chairperson' mean the Committee on Foreign Investment in the United States and the chairperson thereof, respectively.

"(3) CONTROL.—The term 'control' means the power, direct or indirect, whether exercised or not exercised, to determine, di-

rect, or decide important matters affecting an entity, subject to regulations prescribed by the Committee.

"(4) COVERED TRANSACTION.—

"(A) IN GENERAL.—Except as otherwise provided, the term 'covered transaction' means—

"(i) any transaction described in subparagraph (B)(i); and

"(ii) any transaction described in clauses (ii) through (v) of subparagraph (B) that is proposed, pending, or completed on or after the effective date set forth in section 1727 of the Foreign Investment Risk Review Modernization Act of 2018.

"(B) TRANSACTIONS DESCRIBED.—A transaction described in this subparagraph is any of the following:

"(i) Any merger, acquisition, or takeover that is proposed or pending after August 23, 1988, by or with any foreign person that could result in foreign control of any United States business, including such a merger, acquisition, or takeover carried out through a joint venture.

"(ii) Subject to subparagraphs (C) and (E), the purchase or lease by, or a concession to, a foreign person of private or public real estate that—

"(I) is located in the United States;

"(II)(aa) is, is located within, or will function as part of, an air or maritime port; or

"(bb)(AA) is in close proximity to a United States military installation or another facility or property of the United States Government that is sensitive for reasons relating to national security;

"(BB) could reasonably provide the foreign person the ability to collect intelligence on activities being conducted at such an installation, facility, or property; or

"(CC) could otherwise expose national security activities at such an installation, facility, or property to the risk of foreign surveillance; and

"(III) meets such other criteria as the Committee prescribes by regulation, except that such criteria may not expand the categories of real estate to which this clause applies beyond the categories described in subclause (II).

"(iii) Any other investment, subject to regulations prescribed under subparagraphs (D) and (E), by a foreign person in any unaffiliated United States business that—

"(I) owns, operates, manufactures, supplies, or services critical infrastructure;

"(II) produces, designs, tests, manufactures, fabricates, or develops one or more critical technologies; or

"(III) maintains or collects sensitive personal data of United States citizens that may be exploited in a manner that threatens national security.

"(iv) Any change in the rights that a foreign person has with respect to a United States business in which the foreign person has an investment, if that change could result in—

"(I) foreign control of the United States business; or

"(II) an investment described in clause (iii).

"(v) Any other transaction, transfer, agreement, or arrangement, the structure of which is designed or intended to evade or circumvent the application of this section, subject to regulations prescribed by the Committee.

"(C) REAL ESTATE TRANSACTIONS.—

"(i) EXCEPTION FOR CERTAIN REAL ESTATE TRANSACTIONS.—A real estate purchase, lease, or concession described in subparagraph (B)(ii) does not include a purchase, lease, or concession of—

"(I) a single 'housing unit', as defined by the Census Bureau; or

"(II) real estate in 'urbanized areas', as defined by the Census Bureau in the most recent census, except as otherwise prescribed by the Committee in regulations in consultation with the Secretary of Defense.

"(ii) DEFINITION OF CLOSE PROXIMITY.—With respect to a real estate purchase, lease, or concession described in subparagraph (B)(ii)(II)(bb)(AA), the Committee shall prescribe regulations to ensure that the term 'close proximity' refers only to a distance or distances within which the purchase, lease, or concession of real estate could pose a national security risk in connection with a United States military installation or another facility or property of the United States Government described in that subparagraph.

"(D) OTHER INVESTMENTS.—

"(i) OTHER INVESTMENT DEFINED.—For purposes of subparagraph (B)(iii), the term 'other investment' means an investment, direct or indirect, by a foreign person in a United States business described in that subparagraph that is not an investment described in subparagraph (B)(i) and that affords the foreign person—

"(I) access to any material nonpublic technical information in the possession of the United States business;

"(II) membership or observer rights on the board of directors or equivalent governing body of the United States business or the right to nominate an individual to a position on the board of directors or equivalent governing body; or

"(III) any involvement, other than through voting of shares, in substantive decisionmaking of the United States business regarding—

"(aa) the use, development, acquisition, safekeeping, or release of sensitive personal

data of United States citizens maintained or collected by the United States business;

"(bb) the use, development acquisition, or release of critical technologies; or

"(cc) the management, operation, manufacture, or supply of critical infrastructure.

"(ii) MATERIAL NONPUBLIC TECHNICAL INFORMATION DEFINED.—

"(I) IN GENERAL.—For purposes of clause (i)(I), and subject to regulations prescribed by the Committee, the term 'material nonpublic technical information' means information that—

"(aa) provides knowledge, know-how, or understanding, not available in the public domain, of the design, location, or operation of critical infrastructure; or

"(bb) is not available in the public domain, and is necessary to design, fabricate, develop, test, produce, or manufacture critical technologies, including processes, techniques, or methods.

"(II) EXEMPTION FOR FINANCIAL INFORMATION.—Notwithstanding subclause (I), for purposes of this subparagraph, the term 'material nonpublic technical information' does not include financial information regarding the performance of a United States business.

"(iii) REGULATIONS.—

"(I) IN GENERAL.—The Committee shall prescribe regulations providing guidance on the types of transactions that the Committee considers to be 'other investment' for purposes of subparagraph (B)(iii).

"(II) UNITED STATES BUSINESSES THAT OWN, OPERATE, MANUFACTURE, SUPPLY, OR SERVICE CRITICAL INFRASTRUCTURE.—The regulations prescribed by the Committee with respect to an investment described in subparagraph (B)(iii)(I) shall—

"(aa) specify the critical infrastructure subject to that subparagraph based on criteria intended to limit application of that subparagraph to the subset of critical infrastructure that is likely to be of importance to the national security of the United States; and

"(bb) enumerate specific types and examples of such critical infrastructure.

"(iv) SPECIFIC CLARIFICATION FOR INVESTMENT FUNDS.—

"(I) TREATMENT OF CERTAIN INVESTMENT FUND INVESTMENTS.—Notwithstanding clause (i)(II) and subject to regulations prescribed by the Committee, an indirect investment by a foreign person in a United States business described in subparagraph (B)(iii) through an investment fund that affords the foreign person (or a designee of the

foreign person) membership as a limited partner or equivalent on an advisory board or a committee of the fund shall not be considered an 'other investment' for purposes of subparagraph (B)(iii) if—

"(aa) the fund is managed exclusively by a general partner, a managing member, or an equivalent;

"(bb) the general partner, managing member, or equivalent is not a foreign person;

"(cc) the advisory board or committee does not have the ability to approve, disapprove, or otherwise control—

"(AA) investment decisions of the fund; or

"(BB) decisions made by the general partner, managing member, or equivalent related to entities in which the fund is invested;

"(dd) the foreign person does not otherwise have the ability to control the fund, including the authority—

"(AA) to approve, disapprove, or otherwise control investment decisions of the fund;

"(BB) to approve, disapprove, or otherwise control decisions made by the general partner, managing member, or equivalent related to entities in which the fund is invested; or

"(CC) to unilaterally dismiss, prevent the dismissal of, select, or determine the compensation of the general partner, managing member, or equivalent;

"(ee) the foreign person does not have access to material nonpublic technical information as a result of its participation on the advisory board or committee; and

"(ff) the investment otherwise meets the requirements of this subparagraph.

"(II) TREATMENT OF CERTAIN WAIVERS.—

"(aa) IN GENERAL.—For the purposes of items (cc) and (dd) of subclause (I) and except as provided in item (bb), a waiver of a potential conflict of interest, a waiver of an allocation limitation, or a similar activity, applicable to a transaction pursuant to the terms of an agreement governing an investment fund shall not be considered to constitute control of investment decisions of the fund or decisions relating to entities in which the fund is invested.

"(bb) EXCEPTION.—The Committee may prescribe regulations providing for exceptions to item (aa) for extraordinary circumstances.

"(v) EXCEPTION FOR AIR CARRIERS.—For purposes of subparagraph (B)(iii), the term 'other investment' does not include an investment involving an air carrier, as defined in section 40102(a)(2) of title 49, United States Code, that holds a certificate issued under section 41102 of that title.

"(vi) RULE OF CONSTRUCTION.—Any definition of 'critical infrastructure' established under any provision of law other than this section shall not be determinative for purposes of this section.

"(E) COUNTRY SPECIFICATION.—The Committee shall prescribe regulations that further define the term 'foreign person' for purposes of clauses (ii) and (iii) of subparagraph (B). In prescribing such regulations, the Committee shall specify criteria to limit the application of such clauses to the investments of certain categories of foreign persons. Such criteria shall take into consideration how a foreign person is connected to a foreign country or foreign government, and whether the connection may affect the national security of the United States.

"(F) TRANSFERS OF CERTAIN ASSETS PURSUANT TO BANKRUPTCY PROCEEDINGS OR OTHER DEFAULTS.—The Committee shall prescribe regulations to clarify that the term 'covered transaction' includes any transaction described in subparagraph (B) that arises pursuant to a bankruptcy proceeding or other form of default on debt.

"(5) CRITICAL INFRASTRUCTURE.—The term 'critical infrastructure' means, subject to regulations prescribed by the Committee, systems and assets, whether physical or virtual, so vital to the United States that the incapacity or destruction of such systems or assets would have a debilitating impact on national security.

"(6) CRITICAL TECHNOLOGIES.—

"(A) IN GENERAL.—The term 'critical technologies' means the following:

"(i) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations.

"(ii) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled—

"(I) pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

"(II) for reasons relating to regional stability or surreptitious listening.

"(iii) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities).

"(iv) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material).

"(v) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code.

"(vi) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018.

"(B) RECOMMENDATIONS.—

"(i) IN GENERAL.—The chairperson may recommend technologies for identification under the interagency process set forth in section 1758(a) of the Export Control Reform Act of 2018.

"(ii) MATTERS INFORMING RECOMMENDATIONS.—Recommendations by the chairperson under clause (i) shall draw upon information arising from reviews and investigations conducted under subsection (b), notices submitted under subsection (b)(1)(C)(i), declarations filed under subsection (b)(1)(C)(v), and non-notified and non-declared transactions identified under subsection (b)(1)(H).

"(7) FOREIGN GOVERNMENT-CONTROLLED TRANSACTION.—The term 'foreign government-controlled transaction' means any covered transaction that could result in the control of any United States business by a foreign government or an entity controlled by or acting on behalf of a foreign government.

"(8) INTELLIGENCE COMMUNITY.—The term 'intelligence community' has the meaning given that term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 3003(4)).

"(9) INVESTMENT.—The term 'investment' means the acquisition of equity interest, including contingent equity interest, as further defined in regulations prescribed by the Committee.

"(10) LEAD AGENCY.—The term 'lead agency' means the agency or agencies designated as the lead agency or agencies pursuant to subsection (k)(5).

"(11) PARTY.—The term 'party' has the meaning given that term in regulations prescribed by the Committee.

"(12) UNITED STATES.—The term 'United States' means the several States, the District of Columbia, and any territory or possession of the United States.

"(13) UNITED STATES BUSINESS.—The term 'United States business' means a person engaged in interstate commerce in the United States.".

SEC. 1704. ACCEPTANCE OF WRITTEN NOTICES.

Section 721(b)(1)(C)(i) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)(i)) is amended—

(1) by striking "Any party" and inserting the following:

"(I) IN GENERAL.—Any party"; and

(2) by adding at the end the following:

"(II) COMMENTS AND ACCEPTANCE.—

"(aa) IN GENERAL.—Subject to item (cc), the Committee shall provide comments on a draft or formal written notice or accept a for-

mal written notice submitted under subclause (I) with respect to a covered transaction not later than the date that is 10 business days after the date of submission of the draft or formal written notice.

"(bb) COMPLETENESS.—If the Committee determines that a draft or formal written notice described in item (aa) is not complete, the Committee shall notify the party or parties to the transaction in writing that the notice is not complete and provide an explanation of all material respects in which the notice is incomplete.

"(cc) STIPULATIONS REQUIRED.—The timing requirement under item (aa) shall apply only in a case in which the parties stipulate under clause (vi) that the transaction is a covered transaction.".

SEC. 1705. INCLUSION OF PARTNERSHIP AND SIDE AGREEMENTS IN NOTICE.

Section 721(b)(1)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)) is amended by adding at the end the following:

"(iv) INCLUSION OF PARTNERSHIP AND SIDE AGREEMENTS.—The Committee may require a written notice submitted under clause (i) to include a copy of any partnership agreements, integration agreements, or other side agreements relating to the transaction, as specified in regulations prescribed by the Committee.".

SEC. 1706. DECLARATIONS FOR CERTAIN COVERED TRANSACTIONS.

Section 721(b)(1)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section 1705, is further amended by adding at the end the following:

"(v) DECLARATIONS FOR CERTAIN COVERED TRANSACTIONS.—

"(I) IN GENERAL.—A party to any covered transaction may submit to the Committee a declaration with basic information regarding the transaction instead of a written notice under clause (i).

"(II) REGULATIONS.—The Committee shall prescribe regulations establishing requirements for declarations submitted under this clause. In prescribing such regulations, the Committee shall ensure that such declarations are submitted as abbreviated notifications that would not generally exceed 5 pages in length.

"(III) COMMITTEE RESPONSE TO DECLARATION.—

"(aa) IN GENERAL.—Upon receiving a declaration under this clause with respect to a covered transaction, the Committee may, at the discretion of the Committee—

"(AA) request that the parties to the transaction file a written notice under clause (i);

"(BB) inform the parties to the transaction that the Committee is not able to complete action under this section with respect to the transaction on the basis of the declaration and that the parties may file a written notice under clause (i) to seek written notification from the Committee that the Committee has completed all action under this section with respect to the transaction;

"(CC) initiate a unilateral review of the transaction under subparagraph (D); or

"(DD) notify the parties in writing that the Committee has completed all action under this section with respect to the transaction.

"(bb) TIMING.—The Committee shall take action under item (aa) not later than 30 days after receiving a declaration under this clause.

"(cc) RULE OF CONSTRUCTION.—Nothing in this subclause (other than item (aa)(CC)) shall be construed to affect the authority of the President or the Committee to take any action authorized by this section with respect to a covered transaction.

"(IV) MANDATORY DECLARATIONS.—

"(aa) REGULATIONS.—The Committee shall prescribe regulations specifying the types of covered transactions for which the Committee requires a declaration under this subclause.

"(bb) CERTAIN COVERED TRANSACTIONS WITH FOREIGN GOVERNMENT INTERESTS.—

"(AA) IN GENERAL.—Except as provided in subitem (BB), the parties to a covered transaction shall submit a declaration described in subclause (I) with respect to the transaction if the transaction involves an investment that results in the acquisition, directly or indirectly, of a substantial interest in a United States business described in subsection (a)(4)(B)(iii) by a foreign person in which a foreign government has, directly or indirectly, a substantial interest.

"(BB) SUBSTANTIAL INTEREST DEFINED.—In this item, the term 'substantial interest' has the meaning given that term in regulations which the Committee shall prescribe. In developing those regulations, the Committee shall consider the means

by which a foreign government could influence the actions of a foreign person, including through board membership, ownership interest, or shareholder rights. An interest that is excluded under subparagraph (D) of subsection (a)(4) from the term 'other investment' as used in subparagraph (B)(iii) of that subsection or that is less than a 10 percent voting interest shall not be considered a substantial interest.

"(CC) WAIVER.—The Committee may waive, with respect to a foreign person, the requirement under subitem (AA) for the submission of a declaration described in subclause (I) if the Committee determines that the foreign person demonstrates that the investments of the foreign person are not directed by a foreign government and the foreign person has a history of cooperation with the Committee.

"(cc) OTHER DECLARATIONS REQUIRED BY COMMITTEE.—The Committee may require the submission of a declaration described in subclause (I) with respect to any covered transaction identified under regulations prescribed by the Committee for purposes of this item, at the discretion of the Committee, that involves a United States business described in subsection (a)(4)(B)(iii)(II).

"(dd) EXCEPTION.—The submission of a declaration described in subclause (I) shall not be required pursuant to this subclause with respect to an investment by an investment fund if—

"(AA) the fund is managed exclusively by a general partner, a managing member, or an equivalent;

"(BB) the general partner, managing member, or equivalent is not a foreign person; and

"(CC) the investment fund satisfies, with respect to any foreign person with membership as a limited partner on an advisory board or a committee of the fund, the criteria specified in items (cc) and (dd) of subsection (a)(4)(D)(iv).

"(ee) SUBMISSION OF WRITTEN NOTICE AS AN ALTERNATIVE.—Parties to a covered transaction for which a declaration is required under this subclause may instead elect to submit a written notice under clause (i).

"(ff) TIMING AND REFILING OF SUBMISSION.—

"(AA) IN GENERAL.—In the regulations prescribed under item (aa), the Committee may not require a declaration to be submitted under this subclause with respect to a covered transaction more than 45 days before the completion of the transaction.

"(BB) REFILING OF DECLARATION.—The Committee may not request or recommend that a declaration submitted under this subclause be withdrawn and refiled, except to permit parties to a covered transaction to correct material errors or omissions in the declaration submitted with respect to that transaction.

"(gg) PENALTIES.—The Committee may impose a penalty pursuant to subsection (h)(3) with respect to a party that fails to comply with this subclause.".

SEC. 1707. STIPULATIONS REGARDING TRANSACTIONS.

Section 721(b)(1)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)(C)), as amended by section 1706, is further amended by adding at the end the following:

"(vi) STIPULATIONS REGARDING TRANSACTIONS.—

"(I) IN GENERAL.—In a written notice submitted under clause (i) or a declaration submitted under clause (v) with respect to a transaction, a party to the transaction may—

"(aa) stipulate that the transaction is a covered transaction; and

"(bb) if the party stipulates that the transaction is a covered transaction under item (aa), stipulate that the transaction is a foreign government-controlled transaction.

"(II) BASIS FOR STIPULATION.—A written notice submitted under clause (i) or a declaration submitted under clause (v) that includes a stipulation under subclause (I) shall include a description of the basis for the stipulation.".

SEC. 1708. AUTHORITY FOR UNILATERAL INITIATION OF REVIEWS.

Section 721(b)(1) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)) is amended—

(1) by redesignating subparagraphs (E) and (F) as subparagraphs (F) and (G), respectively;

(2) in subparagraph (D)—

(A) in the matter preceding clause (i), by striking "subparagraph (F)" and inserting "subparagraph (G)";

(B) in clause (i), by inserting "(other than a covered transaction described in subparagraph (E))" after "any covered transaction";

(C) by striking clause (ii) and inserting the following:

"(ii) any covered transaction described in subparagraph (E), if any party to the transaction submitted false or misleading material information to the Com-

mittee in connection with the Committee's consideration of the transaction or omitted material information, including material documents, from information submitted to the Committee; or"; and

(D) in clause (iii)—

(i) in the matter preceding subclause (I), by striking "any covered transaction that has previously been reviewed or investigated under this section," and inserting "any covered transaction described in subparagraph (E),";

(ii) in subclause (I), by striking "intentionally";

(iii) in subclause (II), by striking "an intentional" and inserting "a"; and

(iv) in subclause (III), by inserting "adequate and appropriate" before "remedies or enforcement tools"; and

(3) by inserting after subparagraph (D) the following:

"(E) COVERED TRANSACTIONS DESCRIBED.—A covered transaction is described in this subparagraph if—

"(i) the Committee has informed the parties to the transaction in writing that the Committee has completed all action under this section with respect to the transaction; or

"(ii) the President has announced a decision not to exercise the President's authority under subsection (d) with respect to the transaction.".

SEC. 1709. TIMING FOR REVIEWS AND INVESTIGATIONS.

Section 721(b) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)), as amended by section 1708, is further amended—

(1) in paragraph (1)(F), by striking "30" and inserting "45";

(2) in paragraph (2), by striking subparagraph (C) and inserting the following:

"(C) TIMING.—

"(i) IN GENERAL.—Except as provided in clause (ii), any investigation under subparagraph (A) shall be completed before the end of the 45-day period beginning on the date on which the investigation commenced.

"(ii) EXTENSION FOR EXTRAORDINARY CIRCUMSTANCES.—

"(I) IN GENERAL.—In extraordinary circumstances (as defined by the Committee in regulations), the chairperson may, at the request of the head of the lead agency, extend an investigation under subparagraph (A) for one 15-day period.

"(II) NONDELEGATION.—The authority of the chairperson and the head of the lead agency referred to in subclause (I) may not be delegated to any person other than the Deputy Secretary of the Treasury or the deputy head (or equivalent thereof) of the lead agency, as the case may be.

"(III) NOTIFICATION TO PARTIES.—If the Committee extends the deadline under subclause (I) with respect to a covered transaction, the Com-

mittee shall notify the parties to the transaction of the extension."; and

(3) by adding at the end the following:

"(8) TOLLING OF DEADLINES DURING LAPSE IN APPROPRIATIONS.—Any deadline or time limitation under this subsection shall be tolled during a lapse in appropriations.".

SEC. 1710. IDENTIFICATION OF NON-NOTIFIED AND NON-DECLARED TRANSACTIONS.

Section 721(b)(1) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(1)), as amended by sections 1708 and 1709, is further amended by adding at the end the following:

"(H) IDENTIFICATION OF NON-NOTIFIED AND NON-DECLARED TRANSACTIONS.—The Committee shall establish a process to identify covered transactions for which—

"(i) a notice under clause (i) of subparagraph (C) or a declaration under clause (v) of that subparagraph is not submitted to the Committee; and

"(ii) information is reasonably available.".

SEC. 1711. SUBMISSION OF CERTIFICATIONS TO CONGRESS.

Section 721(b)(3)(C) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(3)(C)) is amended—

(1) in clause (i), by striking subclause (II) and inserting the following:

"(II) a certification that all relevant national security factors have received full consideration.";

(2) in clause (iv), by striking subclause (II) and inserting the following:

"(II) DELEGATION OF CERTIFICATIONS.—

"(aa) IN GENERAL.—Subject to item (bb), the chairperson, in consultation with the Committee, may determine the level of official to whom the signature requirement under subclause (I) for the chairperson and the head of the lead agency may be delegated. The level of official to whom the signature requirement may be delegated may differ based on any factor relating to a transaction that the chairperson, in consultation with the Committee, deems appropriate, including the type or value of the transaction.

"(bb) LIMITATION ON DELEGATION WITH RESPECT TO CERTAIN TRANSACTIONS.—The signature requirement under subclause (I) may be delegated not below the level of the Assistant Secretary of the Treasury or an equivalent official of the lead agency."; and

(3) by adding at the end the following:

"(v) AUTHORITY TO CONSOLIDATE DOCUMENTS.—Instead of transmitting a separate certified notice or certified report under subparagraph (A) or (B) with respect to each covered transaction, the Committee may, on a monthly basis, transmit such notices and reports in a consolidated document to the Members of Congress specified in clause (iii).".

SEC. 1712. ANALYSIS BY DIRECTOR OF NATIONAL INTELLIGENCE.

Section 721(b)(4) of the Defense Production Act of 1950 (50 U.S.C. 4565(b)(4)) is amended—

(1) by striking subparagraph (A) and inserting the following:

"(A) ANALYSIS REQUIRED.—

"(i) IN GENERAL.—Except as provided in subparagraph (B), the Director of National Intelligence shall expeditiously carry out a thorough analysis of any threat to the national security of the United States posed by any covered transaction, which shall include the identification of any recognized gaps in the collection of intelligence relevant to the analysis.

"(ii) VIEWS OF INTELLIGENCE COMMUNITY.—The Director shall seek and incorporate into the analysis required by clause (i) the views of all affected or appropriate agencies of the intelligence community with respect to the transaction.

"(iii) UPDATES.—At the request of the lead agency, the Director shall update the analysis conducted under clause (i) with respect to a covered transaction with respect to which an agreement was entered into under subsection (l)(3)(A).

"(iv) INDEPENDENCE AND OBJECTIVITY.—The Committee shall ensure that its processes under this section preserve the ability of the Director to conduct analysis under clause (i) that is independent, objective, and consistent with all applicable directives, policies, and analytic tradecraft standards of the intelligence community.";

(2) by redesignating subparagraphs (B), (C), and (D) as subparagraphs (C), (D), and (E), respectively;

(3) by inserting after subparagraph (A) the following:

"(B) BASIC THREAT INFORMATION.—

"(i) IN GENERAL.—The Director of National Intelligence may provide the Committee with basic information regarding any threat to the national security of the United States posed by a covered transaction described in clause (ii) instead of conducting the analysis required by subparagraph (A).

"(ii) COVERED TRANSACTION DESCRIBED.—A covered transaction is described in this clause if—

"(I) the transaction is described in subsection (a)(4)(B)(ii);

"(II) the Director of National Intelligence has completed an analysis pursuant to subparagraph (A) involving each foreign person that is a party to the transaction during the 12 months preceding the review or investigation of the transaction under this section; or

"(III) the transaction otherwise meets criteria agreed upon by the Committee and the Director for purposes of this subparagraph.";

(4) in subparagraph (C), as redesignated by paragraph (2), by striking "20" and inserting "30"; and

(5) by adding at the end the following:

"(F) ASSESSMENT OF OPERATIONAL IMPACT.—The Director may provide to the Committee an assessment, separate from the analyses under subparagraphs (A) and (B), of any operational impact of a covered transaction on the intelligence community and a description of any actions that have been or will be taken to mitigate any such impact.

"(G) SUBMISSION TO CONGRESS.—The Committee shall submit the analysis required by subparagraph (A) with respect to a covered transaction to the Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives upon the conclusion of action under this section (other than compliance plans under subsection (l)(6)) with respect to the transaction.".

SEC. 1713. INFORMATION SHARING.

Section 721(c) of the Defense Production Act of 1950 (50 U.S.C. 4565(c)) is amended—

(1) by striking "Any information" and inserting the following:

"(1) IN GENERAL.—Except as provided in paragraph (2), any information";

(2) by striking ", except as may be relevant" and all that follows and inserting a period; and

(3) by adding at the end the following:

"(2) EXCEPTIONS.—Paragraph (1) shall not prohibit the disclosure of the following:

"(A) Information relevant to any administrative or judicial action or proceeding.

"(B) Information to Congress or any duly authorized committee or subcommittee of Congress.

"(C) Information important to the national security analysis or actions of the Committee to any domestic governmental entity, or to any foreign governmental entity of a United States ally or partner, under the exclusive direction and authorization of the chairperson, only to the extent necessary for national security purposes, and subject to appropriate confidentiality and classification requirements.

"(D) Information that the parties have consented to be disclosed to third parties.

"(3) COOPERATION WITH ALLIES AND PARTNERS.—

"(A) IN GENERAL.—The chairperson, in consultation with other members of the Committee, should establish a formal process for the exchange of information under paragraph (2)(C) with governments of countries that are allies or partners of the United States, in the discretion of the chairperson, to protect the national security of the United States and those countries.

"(B) REQUIREMENTS.—The process established under subparagraph (A) should, in the discretion of the chairperson—

"(i) be designed to facilitate the harmonization of action with respect to trends in investment and technology that could pose risks to the national security of

the United States and countries that are allies or partners of the United States;

"(ii) provide for the sharing of information with respect to specific technologies and entities acquiring such technologies as appropriate to ensure national security; and

"(iii) include consultations and meetings with representatives of the governments of such countries on a recurring basis.".

SEC. 1714. ACTION BY THE PRESIDENT.

Section 721(d)(2) of the Defense Production Act of 1950 (50 U.S.C. 4565(d)(2)) is amended by striking "not later than 15 days" and all that follows and inserting the following: "with respect to a covered transaction not later than 15 days after the earlier of—

"(A) the date on which the investigation of the transaction under subsection (b) is completed; or

"(B) the date on which the Committee otherwise refers the transaction to the President under subsection (l)(2).".

SEC. 1715. JUDICIAL REVIEW.

Section 721(e) of the Defense Production Act of 1950 (50 U.S.C. 4565(e)) is amended—

(1) by striking "The actions" and inserting the following:

"(1) IN GENERAL.—The actions"; and

(2) by adding at the end the following:

"(2) CIVIL ACTIONS.—A civil action challenging an action or finding under this section may be brought only in the United States Court of Appeals for the District of Columbia Circuit.

"(3) PROCEDURES FOR REVIEW OF PRIVILEGED INFORMATION.—If a civil action challenging an action or finding under this section is brought, and the court determines that protected information in the administrative record, including classified or other information subject to privilege or protections under any provision of law, is necessary to resolve the challenge, that information shall be submitted ex parte and in camera to the court and the court shall maintain that information under seal.

"(4) APPLICABILITY OF USE OF INFORMATION PROVISIONS.—The use of information provisions of sections 106, 305, 405, and 706 of the Foreign Intelligence Surveillance Act of 1978 (50 U.S.C. 1806, 1825, 1845, and 1881e) shall not apply in a civil action brought under this subsection.".

SEC. 1716. CONSIDERATIONS FOR REGULATIONS.

Section 721(h) of the Defense Production Act of 1950 (50 U.S.C. 4565(h)) is amended—

(1) by striking paragraph (2);

(2) by redesignating paragraph (3) as paragraph (2); and

(3) in paragraph (2), as redesignated—

(A) in subparagraph (A), by striking "including any mitigation" and all that follows through "subsection (l)" and inserting "including any mitigation agreement entered into, conditions imposed, or order issued pursuant to this section";

(B) in subparagraph (B)(ii), by striking "and" at the end;

(C) in subparagraph (C), by striking the period at the end and inserting "; and"; and

(D) by adding at the end the following:

"(D) provide that, in any review or investigation of a covered transaction conducted by the Committee under subsection (b), the Committee should—

"(i) consider the factors specified in subsection (f); and

"(ii) as appropriate, require parties to provide to the Committee the information necessary to consider such factors.".

SEC. 1717. MEMBERSHIP AND STAFF OF COMMITTEE.

(a) HIRING AUTHORITY.—Section 721(k) of the Defense Production Act of 1950 (50 U.S.C. 4565(k)) is amended by striking paragraph (4) and inserting the following:

"(4) HIRING AUTHORITY.—

"(A) SENIOR OFFICIALS.—

"(i) IN GENERAL.—Each member of the Committee shall designate an Assistant Secretary, or an equivalent official, who is appointed by the President, by and with the advice and consent of the Senate, to carry out such duties related to the Committee as the member of the Committee may delegate.

"(ii) DEPARTMENT OF THE TREASURY.—

"(I) IN GENERAL.—There shall be established in the Office of International Affairs at the Department of the Treasury 2 additional positions of Assistant Secretary of the Treasury, who shall be appointed by the President, by and with the advice and consent of the Senate, to carry out such duties related to the Committee as the Secretary of the Treasury may delegate, consistent with this section.

"(II) ASSISTANT SECRETARY FOR INVESTMENT SECURITY.—One of the positions of Assistant Secretary of the Treasury authorized under subclause (I) shall be the Assistant Secretary for Investment Security, whose duties shall be principally related to the Committee, as delegated by the Secretary of the Treasury under this section.

"(B) SPECIAL HIRING AUTHORITY.—The heads of the departments and agencies represented on the Committee may appoint, without regard to the provisions of sections 3309 through 3318 of title 5, United States Code, candidates directly to positions in the competitive service (as defined in section 2102 of that title) in their respective departments and agencies. The primary responsibility of positions authorized under the preceding sentence shall be to administer this section.".

(b) PROCEDURES FOR RECUSAL OF MEMBERS OF COMMITTEE FOR CONFLICTS OF INTEREST.—Not later than 90 days after the date of the enactment of this Act, the Committee on Foreign Investment in the United States shall—

(1) establish procedures for the recusal of any member of the Committee that has a conflict of interest with respect to a

covered transaction (as defined in section 721(a) of the Defense Production Act of 1950, as amended by section 1703);

(2) submit to the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Financial Services of the House of Representatives a report describing those procedures; and

(3) brief the committees specified in paragraph (1) on the report required by paragraph (2).

SEC. 1718. ACTIONS BY THE COMMITTEE TO ADDRESS NATIONAL SECURITY RISKS.

Section 721(l) of the Defense Production Act of 1950 (50 U.S.C. 4565(l)) is amended—

(1) in the subsection heading, by striking "MITIGATION, TRACKING, AND POSTCONSUMMATION MONITORING AND ENFORCEMENT" and inserting "ACTIONS BY THE COMMITTEE TO ADDRESS NATIONAL SECURITY RISKS";

(2) by redesignating paragraphs (1), (2), and (3) as paragraphs (3), (5), and (6), respectively;

(3) by inserting before paragraph (3), as redesignated by paragraph (2), the following:

"(1) SUSPENSION OF TRANSACTIONS.—The Committee, acting through the chairperson, may suspend a proposed or pending covered transaction that may pose a risk to the national security of the United States for such time as the covered transaction is under review or investigation under subsection (b).

"(2) REFERRAL TO PRESIDENT.—The Committee may, at any time during the review or investigation of a covered transaction under subsection (b), complete the action of the Committee with respect to the transaction and refer the transaction to the President for action pursuant to subsection (d).";

(4) in paragraph (3), as redesignated by paragraph (2)—

(A) in subparagraph (A)—

(i) in the subparagraph heading, by striking "IN GENERAL" and inserting "AGREEMENTS AND CONDITIONS";

(ii) by striking "The Committee" and inserting the following:

"(i) IN GENERAL.—The Committee";

(iii) by striking "threat" and inserting "risk"; and

(iv) by adding at the end the following:

"(ii) ABANDONMENT OF TRANSACTIONS.—If a party to a covered transaction has voluntarily chosen to abandon the transaction, the Committee or lead agency, as the case may be, may negotiate, enter into or impose, and enforce any agreement or condition with any party to the covered transaction for purposes of effectuating such abandonment and mitigating any risk to the national security of the United States that arises as a result of the covered transaction.

"(iii) AGREEMENTS AND CONDITIONS RELATING TO COMPLETED TRANSACTIONS.—The Committee or lead agency, as the case may be, may negotiate, enter into or impose, and enforce any agreement or condition with any party to a completed covered transaction in order to mitigate any interim risk to the national security of

the United States that may arise as a result of the covered transaction until such time that the Committee has completed action pursuant to subsection (b) or the President has taken action pursuant to subsection (d) with respect to the transaction.”; and

(B) by striking subparagraph (B) and inserting the following:

“(B) TREATMENT OF OUTDATED AGREEMENTS OR CONDITIONS.—The chairperson and the head of the lead agency shall periodically review the appropriateness of an agreement or condition imposed under subparagraph (A) and terminate, phase out, or otherwise amend the agreement or condition if a threat no longer requires mitigation through the agreement or condition.

“(C) LIMITATIONS.—An agreement may not be entered into or condition imposed under subparagraph (A) with respect to a covered transaction unless the Committee determines that the agreement or condition resolves the national security concerns posed by the transaction, taking into consideration whether the agreement or condition is reasonably calculated to—

“(i) be effective;

“(ii) allow for compliance with the terms of the agreement or condition in an appropriately verifiable way; and

“(iii) enable effective monitoring of compliance with and enforcement of the terms of the agreement or condition.

“(D) JURISDICTION.—The provisions of section 706(b) shall apply to any mitigation agreement entered into or condition imposed under subparagraph (A).”;

(5) by inserting after paragraph (3), as redesignated by paragraph (2), the following:

“(4) RISK-BASED ANALYSIS REQUIRED.—

“(A) IN GENERAL.—Any determination of the Committee to suspend a covered transaction under paragraph (1), to refer a covered transaction to the President under paragraph (2), or to negotiate, enter into or impose, or enforce any agreement or condition under paragraph (3)(A) with respect to a covered transaction, shall be based on a risk-based analysis, conducted by the Committee, of the effects on the national security of the United States of the covered transaction, which shall include an assessment of the threat, vulnerabilities, and consequences to national security related to the transaction.

“(B) ACTIONS OF MEMBERS OF THE COMMITTEE.—

“(i) IN GENERAL.—Any member of the Committee who concludes that a covered transaction poses an unresolved national security concern shall recommend to the Committee that the Committee suspend the transaction under paragraph (1), refer the transaction to the President under paragraph (2), or negotiate, enter into or impose, or enforce any agreement or condition under paragraph (3)(A) with respect to the transaction. In making that recommendation, the member shall pro-

pose or contribute to the risk-based analysis required by subparagraph (A).

"(ii) FAILURE TO REACH CONSENSUS.—If the Committee fails to reach consensus with respect to a recommendation under clause (i) regarding a covered transaction, the members of the Committee who support an alternative recommendation shall produce—

"(I) a written statement justifying the alternative recommendation; and

"(II) as appropriate, a risk-based analysis that supports the alternative recommendation.

"(C) DEFINITIONS.—For purposes of subparagraph (A), the terms 'threat', 'vulnerabilities', and 'consequences to national security' shall have the meanings given those terms by the Committee by regulation.";

(6) in paragraph (5)(B), as redesignated by paragraph (2), by striking "(as defined in the National Security Act of 1947)"; and

(7) in paragraph (6), as redesignated by paragraph (2)—

(A) in subparagraph (A)—

(i) by striking "paragraph (1)" and inserting "paragraph (3)"; and

(ii) by striking the second sentence and inserting the following: "The lead agency may, at its discretion, seek and receive the assistance of other departments or agencies in carrying out the purposes of this paragraph.";

(B) in subparagraph (B)—

(i) by striking "DESIGNATED AGENCY" and all that follows through "The lead agency in connection" and inserting "DESIGNATED AGENCY.—The lead agency in connection";

(ii) by striking clause (ii); and

(iii) by redesignating subclauses (I) and (II) as clauses (i) and (ii), respectively, and by moving such clauses, as so redesignated, 2 ems to the left; and

(C) by adding at the end the following:

"(C) COMPLIANCE PLANS.—

"(i) IN GENERAL.—In the case of a covered transaction with respect to which an agreement is entered into under paragraph (3)(A), the Committee or lead agency, as the case may be, shall formulate, adhere to, and keep updated a plan for monitoring compliance with the agreement.

"(ii) ELEMENTS.—Each plan required by clause (i) with respect to an agreement entered into under paragraph (3)(A) shall include an explanation of—

"(I) which member of the Committee will have primary responsibility for monitoring compliance with the agreement;

"(II) how compliance with the agreement will be monitored;

"(III) how frequently compliance reviews will be conducted;

"(IV) whether an independent entity will be utilized under subparagraph (E) to conduct compliance reviews; and

"(V) what actions will be taken if the parties fail to cooperate regarding monitoring compliance with the agreement.

"(D) EFFECT OF LACK OF COMPLIANCE.—If, at any time after a mitigation agreement or condition is entered into or imposed under paragraph (3)(A), the Committee or lead agency, as the case may be, determines that a party or parties to the agreement or condition are not in compliance with the terms of the agreement or condition, the Committee or lead agency may, in addition to the authority of the Committee to impose penalties pursuant to subsection (h)(3) and to unilaterally initiate a review of any covered transaction under subsection (b)(1)(D)(iii)—

"(i) negotiate a plan of action for the party or parties to remediate the lack of compliance, with failure to abide by the plan or otherwise remediate the lack of compliance serving as the basis for the Committee to find a material breach of the agreement or condition;

"(ii) require that the party or parties submit a written notice under clause (i) of subsection (b)(1)(C) or a declaration under clause (v) of that subsection with respect to a covered transaction initiated after the date of the determination of noncompliance and before the date that is 5 years after the date of the determination to the Committee to initiate a review of the transaction under subsection (b); or

"(iii) seek injunctive relief.

"(E) USE OF INDEPENDENT ENTITIES TO MONITOR COMPLIANCE.—If the parties to an agreement entered into under paragraph (3)(A) enter into a contract with an independent entity from outside the United States Government for the purpose of monitoring compliance with the agreement, the Committee shall take such action as is necessary to prevent a conflict of interest from arising by ensuring that the independent entity owes no fiduciary duty to the parties.

"(F) SUCCESSORS AND ASSIGNS.—Any agreement or condition entered into or imposed under paragraph (3)(A) shall be considered binding on all successors and assigns unless and until the agreement or condition terminates on its own terms or is otherwise terminated by the Committee in its sole discretion.

"(G) ADDITIONAL COMPLIANCE MEASURES.—Subject to subparagraphs (A) through (F), the Committee shall develop and agree upon methods for evaluating compliance with any agreement entered into or condition imposed with respect to a covered transaction that will allow the Committee to adequately ensure compliance without unnecessarily diverting Committee resources from assessing any new covered transaction for which a written notice under clause (i) of subsection (b)(1)(C) or declaration under clause (v) of that subsection has been filed, and if necessary, reaching a mitigation agreement with or imposing a condi-

tion on a party to such covered transaction or any covered transaction for which a review has been reopened for any reason.".

SEC. 1719. MODIFICATION OF ANNUAL REPORT AND OTHER REPORTING REQUIREMENTS.

(a) MODIFICATION OF ANNUAL REPORT.—Section 721(m) of the Defense Production Act of 1950 (50 U.S.C. 4565(m)) is amended—

(1) in paragraph (2)—

(A) by amending subparagraph (A) to read as follows:

"(A) A list of all notices filed and all reviews or investigations of covered transactions completed during the period, with—

"(i) a description of the outcome of each review or investigation, including whether an agreement was entered into or condition was imposed under subsection (l)(3)(A) with respect to the transaction being reviewed or investigated, and whether the President took any action under this section with respect to that transaction;

"(ii) basic information on each party to each such transaction;

"(iii) the nature of the business activities or products of the United States business with which the transaction was entered into or intended to be entered into; and

"(iv) information about any withdrawal from the process."; and

(B) by adding at the end the following:

"(G) Statistics on compliance plans conducted and actions taken by the Committee under subsection (l)(6), including subparagraph (D) of that subsection, during that period, a general assessment of the compliance of parties with agreements entered into and conditions imposed under subsection (l)(3)(A) that are in effect during that period, including a description of any actions taken by the Committee to impose penalties or initiate a unilateral review pursuant to subsection (b)(1)(D)(iii), and any recommendations for improving the enforcement of such agreements and conditions.

"(H) Cumulative and, as appropriate, trend information on the number of declarations filed under subsection (b)(1)(C)(v), the actions taken by the Committee in response to those declarations, the business sectors involved in those declarations, and the countries involved in those declarations.

"(I) A description of—

"(i) the methods used by the Committee to identify non-notified and non-declared transactions under subsection (b)(1)(H);

"(ii) potential methods to improve such identification and the resources required to do so; and

"(iii) the number of transactions identified through the process established under that subsection during the reporting period and the number of such transactions flagged for further review.

"(J) A summary of the hiring practices and policies of the Committee pursuant to subsection (k)(4).

"(K) A list of the waivers granted by the Committee under subsection (b)(1)(C)(v)(IV)(bb)(CC).";

(2) in paragraph (3)—

(A) by striking "CRITICAL TECHNOLOGIES" and all that follows through "In order to assist" and inserting "CRITICAL TECHNOLOGIES.—In order to assist";

(B) by striking subparagraph (B);

(C) by redesignating clauses (i) and (ii) as subparagraphs (A) and (B), respectively, and by moving such subparagraphs, as so redesignated, 2 ems to the left;

(D) in subparagraph (A), as redesignated by subparagraph (C), by striking "; and" and inserting a semicolon;

(E) in subparagraph (B), as so redesignated, by striking the period and inserting "; and"; and

(F) by adding at the end the following:

"(C) a description of the technologies recommended by the chairperson under subsection (a)(6)(B) for identification under the interagency process set forth in section 1758(a) of the Export Control Reform Act of 2018.".

(3) by adding at the end the following:

"(4) FORM OF REPORT.—

"(A) IN GENERAL.—All appropriate portions of the annual report under paragraph (1) may be classified. An unclassified version of the report, as appropriate, consistent with safeguarding national security and privacy, shall be made available to the public.

"(B) INCLUSION IN CLASSIFIED VERSION.—If the Committee recommends that the President suspend or prohibit a covered transaction because the transaction threatens to impair the national security of the United States, the Committee shall, in the classified version of the report required under paragraph (1), notify Congress of the recommendation and, upon request, provide a classified briefing on the recommendation.

"(C) INCLUSIONS IN UNCLASSIFIED VERSION.—The unclassified version of the report required under paragraph (1) shall include, with respect to covered transactions for the reporting period—

"(i) the number of notices submitted under subsection (b)(1)(C)(i);

"(ii) the number of declarations submitted under subsection (b)(1)(C)(v) and the number of such declarations that were required under subclause (IV) of that subsection;

"(iii) the number of declarations submitted under subsection (b)(1)(C)(v) for which the Committee required resubmission as notices under subsection (b)(1)(C)(i);

"(iv) the average number of days that elapsed between submission of a declaration under subsection (b)(1)(C)(v) and the acceptance of the declaration by the Committee;

"(v) the median and average number of days that elapsed between acceptance of a declaration by the Committee and a response described in subsection (b)(1)(C)(v)(III);

"(vi) information on the time it took the Committee to provide comments on, or to accept, notices submitted under subsection (b)(1)(C)(i), including—

"(I) the average number of business days that elapsed between the date of submission of a draft notice and the date on which the Committee provided written comments on the draft notice;

"(II) the average number of business days that elapsed between the date of submission of a formal written notice and the date on which the Committee accepted or provided written comments on the formal written notice; and

"(III) if the average number of business days for a response by the Committee reported under subclause (I) or (II) exceeded 10 business days—

"(aa) an explanation of the causes of such delays, including whether such delays are caused by resource shortages, unusual fluctuations in the volume of notices, transaction characteristics, or other factors; and

"(bb) an explanation of the steps that the Committee anticipates taking to mitigate the causes of such delays and otherwise to improve the ability of the Committee to provide comments on, or to accept, notices within 10 business days;

"(vii) the number of reviews or investigations conducted under subsection (b);

"(viii) the number of investigations that were subject to an extension under subsection (b)(2)(C)(ii);

"(ix) information on the duration of those reviews and investigations, including the median and average number of days required to complete those reviews and investigations;

"(x) the number of notices submitted under subsection (b)(1)(C)(i) and declarations submitted under subsection (b)(1)(C)(v) that were rejected by the Committee;

"(xi) the number of such notices and declarations that were withdrawn by a party to the covered transaction;

"(xii) the number of such withdrawals that were followed by the submission of a subsequent such notice or declaration relating to a substantially similar covered transaction; and

"(xiii) such other specific, cumulative, or trend information that the Committee determines is advisable to provide for an assessment of the time required for reviews and investigations of covered transactions under this section.".

(b) REPORT ON CHINESE INVESTMENT.—

(1) IN GENERAL.—Not later than 2 years after the date of the enactment of this Act, and every 2 years thereafter through 2026, the Secretary of Commerce shall submit to Congress and the Committee on Foreign Investment in the United States a report on foreign direct investment transactions made by entities of the People's Republic of China in the United States.

(2) ELEMENTS.—Each report required by paragraph (1) shall include the following:

(A) Total foreign direct investment from the People's Republic of China in the United States, including total foreign direct investment disaggregated by ultimate beneficial owner.

(B) A breakdown of investments from the People's Republic of China in the United States by value using the following categories:

(i) Less than $50,000,000.

(ii) Greater than or equal to $50,000,000 and less than $100,000,000.

(iii) Greater than or equal to $100,000,000 and less than $1,000,000,000.

(iv) Greater than or equal to $1,000,000,000 and less than $2,000,000,000.

(v) Greater than or equal to $2,000,000,000 and less than $5,000,000,000.

(vi) Greater than or equal to $5,000,000,000.

(C) A breakdown of investments from the People's Republic of China in the United States by 2-digit North American Industry Classification System code.

(D) A breakdown of investments from the People's Republic of China in the United States by investment type, using the following categories:

(i) Businesses established.

(ii) Businesses acquired.

(E) A breakdown of investments from the People's Republic of China in the United States by government and non-government investments, including volume, sector, and type of investment within each category.

(F) A list of companies incorporated in the United States purchased through government investment by the People's Republic of China.

(G) The number of United States affiliates of entities under the jurisdiction of the People's Republic of China, the total employees at those affiliates, and the valuation for any publicly traded United States affiliate of such an entity.

(H) An analysis of patterns in the investments described in subparagraphs (A) through (F), including in volume, type, and sector, and the extent to which those patterns of investments align with the objectives outlined by the Government of the People's Republic of China in its Made in China 2025 plan, including a comparative analysis of investments from the People's Republic of China in the United States and all foreign direct investment in the United States.

(I) An identification of any limitations on the ability of the Secretary of Commerce to collect comprehensive information that is reasonably and lawfully available about foreign investment in the United States from the People's Republic of China on a timeline necessary to complete reports every 2 years as required by paragraph (1), including—

(i) an identification of any discrepancies between government and private sector estimates of investments from the People's Republic of China in the United States;

(ii) a description of the different methodologies or data collection methods, including by private sector entities, used to measure foreign investment that may result in different estimates; and

(iii) recommendations for enhancing the ability of the Secretary of Commerce to improve data collection of information about foreign investment in the United States from the People's Republic of China.

(3) EXTENSION OF DEADLINE.—If, as a result of a limitation identified under paragraph (2)(I), the Secretary of Commerce determines that the Secretary will be unable to submit a report at the time required by paragraph (1), the Secretary may request additional time to complete the report.

(c) REPORT ON CERTAIN RAIL INVESTMENTS BY STATE-OWNED OR STATE-CONTROLLED ENTITIES.—

(1) IN GENERAL.—Not later than one year after the date of the enactment of this Act, the Secretary of Homeland Security shall, in coordination with the appropriate members of the Committee on Foreign Investment in the United States, submit to Congress a report assessing—

(A) national security risks, if any, related to investments in the United States by state-owned or state-controlled entities in the manufacture or assembly of rolling stock or other assets for use in freight rail, public transportation rail systems, or intercity passenger rail systems; and

(B) how the number and types of such investments could affect any such risks.

(2) CONSULTATION.—The Secretary, in preparing the report required by paragraph (1), shall consult with the Secretary of Transportation and the head of any agency that is not represented on the Committee on Foreign Investment in the United States that has significant technical expertise related to the assessments required by that paragraph.

SEC. 1720. CERTIFICATION OF NOTICES AND INFORMATION.

Section 721(n) of the Defense Production Act of 1950 (50 U.S.C. 4565(n)) is amended—

(1) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively, and by moving such subparagraphs, as so redesignated, 2 ems to the right;

(2) by striking "Each notice" and inserting the following:

"(1) IN GENERAL.—Each notice";

(3) by striking "paragraph (3)(B)" and inserting "paragraph (6)(B)";

(4) by striking "paragraph (1)(A)" and inserting "paragraph (3)(A)";

(5) by adding at the end the following:

"(2) EFFECT OF FAILURE TO SUBMIT.—The Committee may not complete a review under this section of a covered transaction and may recommend to the President that the President suspend or prohibit the transaction under subsection (d) if the Committee determines that a party to the transaction has—

"(A) failed to submit a statement required by paragraph (1); or

"(B) included false or misleading information in a notice or information described in paragraph (1) or omitted material information from such notice or information.

"(3) APPLICABILITY OF LAW ON FRAUD AND FALSE STATEMENTS.—The Committee shall prescribe regulations expressly providing for the application of section 1001 of title 18, United States Code, to all information provided to the Committee under this section by any party to a covered transaction.".

SEC. 1721. IMPLEMENTATION PLANS.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the chairperson of the Committee on Foreign Investment in the United States and the Secretary of Commerce shall, in consultation with the appropriate members of the Committee—

(1) develop plans to implement this subtitle; and

(2) submit to the appropriate congressional committees a report on the plans developed under paragraph (1), which shall include a description of—

(A) the timeline and process to implement the provisions of, and amendments made by, this subtitle;

(B) any additional staff necessary to implement the plans; and

(C) the resources required to effectively implement the plans.

(b) ANNUAL RESOURCE NEEDS OF CFIUS MEMBER AGENCIES.—Not later than one year after the submission of the report under subsection (a)(2), and annually thereafter for 7 years, each department or agency represented on the Committee on Foreign Investment in the United States shall submit to the appropriate congressional committees a detailed spending plan to expeditiously meet the requirements of section 721 of the Defense Production Act of 1950, as amended by this subtitle, including estimated expenditures and staffing levels for not less than the following fiscal year.

(c) TESTIMONY.—Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565) is amended by adding at the end the following:

"(o) TESTIMONY.—

"(1) IN GENERAL.—Not later than March 31 of each year, the chairperson, or the designee of the chairperson, shall appear before the Committee on Financial Services of the House of Representatives and the Committee on Banking, Housing, and Urban Affairs of the Senate to present testimony on—

"(A) anticipated resources necessary for operations of the Committee in the following fiscal year at each of the departments or agencies represented on the Committee;

"(B) the adequacy of appropriations for the Committee in the current and the previous fiscal year to—

"(i) ensure that thorough reviews and investigations are completed as expeditiously as possible;

"(ii) monitor and enforce mitigation agreements; and

"(iii) identify covered transactions for which a notice under clause (i) of subsection (b)(1)(C) or a declaration under clause (v) of that subsection was not submitted to the Committee;

"(C) management efforts to strengthen the ability of the Committee to meet the requirements of this section; and

"(D) activities of the Committee undertaken in order to—

"(i) educate the business community, with a particular focus on the technology sector and other sectors of importance to national security, on the goals and operations of the Committee;

"(ii) disseminate to the governments of countries that are allies or partners of the United States best practices of the Committee that—

"(I) strengthen national security reviews of relevant investment transactions; and

"(II) expedite such reviews when appropriate; and

"(iii) promote openness to foreign investment, consistent with national security considerations.

"(2) SUNSET.—This subsection shall have no force or effect on or after the date that is 7 years after the date of the enactment of the Foreign Investment Risk Review Modernization Act of 2018.".

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the Committee on Banking, Housing, and Urban Affairs and the Committee on Appropriations of the Senate; and

(2) the Committee on Financial Services and the Committee on Appropriations of the House of Representatives.

SEC. 1722. ASSESSMENT OF NEED FOR ADDITIONAL RESOURCES FOR COMMITTEE.

The President shall—

(1) determine whether and to what extent the expansion of the responsibilities of the Committee on Foreign Investment in the United States pursuant to the amendments made by this subtitle necessitates additional resources for the Committee and the departments and agencies represented on the Committee to perform their functions under section 721 of the Defense Production Act of 1950, as amended by this subtitle; and

(2) if the President determines that additional resources are necessary, include in the budget of the President for fiscal year 2019 and each fiscal year thereafter submitted to Congress under section 1105(a) of title 31, United States Code, a request for such additional resources.

SEC. 1723. FUNDING.

Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565), as amended by section 1721, is further amended by adding at the end the following:

"(p) FUNDING.—

"(1) ESTABLISHMENT OF FUND.—There is established in the Treasury of the United States a fund, to be known as the 'Committee on Foreign Investment in the United States Fund' (in this subsection referred to as the 'Fund'), to be administered by the chairperson.

"(2) AUTHORIZATION OF APPROPRIATIONS FOR THE COMMITTEE.—There are authorized to be appropriated to the Fund for each of fiscal years 2019 through 2023 $20,000,000 to perform the functions of the Committee.

"(3) FILING FEES.—

"(A) IN GENERAL.—The Committee may assess and collect a fee in an amount determined by the Committee in regulations, to the extent provided in advance in appropriations Acts, without regard to section 9701 of title 31, United States Code, and subject to subparagraph (B), with respect to each covered transaction for which a written notice is submitted to the Committee under subsection (b)(1)(C)(i). The total amount of fees collected under this paragraph may not exceed the costs of administering this section.

"(B) DETERMINATION OF AMOUNT OF FEE.—

"(i) IN GENERAL.—The amount of the fee to be assessed under subparagraph (A) with respect to a covered transaction—

"(I) may not exceed an amount equal to the lesser of—

"(aa) 1 percent of the value of the transaction; or

"(bb) $300,000, adjusted annually for inflation pursuant to regulations prescribed by the Committee; and

"(II) shall be based on the value of the transaction, taking into account—

"(aa) the effect of the fee on small business concerns (as defined in section 3 of the Small Business Act (15 U.S.C. 632));

"(bb) the expenses of the Committee associated with conducting activities under this section;

"(cc) the effect of the fee on foreign investment; and

"(dd) such other matters as the Committee considers appropriate.

"(ii) UPDATES.—The Committee shall periodically reconsider and adjust the amount of the fee to be assessed under subparagraph (A) with respect to a covered transaction to ensure that the amount of the fee does not exceed the costs of administering this section and otherwise remains appropriate.

"(C) DEPOSIT AND AVAILABILITY OF FEES.—Notwithstanding section 3302 of title 31, United States Code, fees collected under subparagraph (A) shall—

"(i) be deposited into the Fund solely for use in carrying out activities under this section;

"(ii) to the extent and in the amounts provided in advance in appropriations Acts, be available to the chairperson;

"(iii) remain available until expended; and

"(iv) be in addition to any appropriations made available to the members of the Committee.

"(D) STUDY ON PRIORITIZATION FEE.—

"(i) IN GENERAL.—Not later than 270 days after the date of the enactment of the Foreign Investment Risk Review Modernization Act of 2018, the chairperson, in consultation with the Committee, shall complete a study of the feasibility and merits of establishing a fee or fee scale to prioritize the timing of the response of the Committee to a draft or formal written notice during the period before the Committee accepts the formal written notice under subsection (b)(1)(C)(i), in the event that the Committee is unable to respond during the time required by subclause (II) of that subsection because of an unusually large influx of notices, or for other reasons.

"(ii) SUBMISSION TO CONGRESS.—After completing the study required by clause (i), the chairperson, or a designee of the chairperson, shall submit to the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Financial Services of the House of Representatives a report on the findings of the study.

"(4) TRANSFER OF FUNDS.—To the extent provided in advance in appropriations Acts, the chairperson may transfer any amounts in the Fund to any other department or agency represented on the Committee for the purpose of addressing emerging needs in carrying out activities under this section. Amounts so transferred shall be in addition to any other amounts available to that department or agency for that purpose.".

SEC. 1724. CENTRALIZATION OF CERTAIN COMMITTEE FUNCTIONS.

Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565), as amended by section 1723, is further amended by adding at the end the following:

"(q) CENTRALIZATION OF CERTAIN COMMITTEE FUNCTIONS.—

"(1) IN GENERAL.—The chairperson, in consultation with the Committee, may centralize certain functions of the Committee within the Department of the Treasury for the purpose of enhancing interagency coordination and collaboration in carrying out the functions of the Committee under this section.

"(2) FUNCTIONS.—Functions that may be centralized under paragraph (1) include identifying non-notified and non-declared transactions pursuant to subsection (b)(1)(H), and other functions as determined by the chairperson and the Committee.

"(3) RULE OF CONSTRUCTION.—Nothing in this section shall be construed as limiting the authority of any department or

agency represented on the Committee to represent its own interests before the Committee.".

SEC. 1725. CONFORMING AMENDMENTS.

Section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565), as amended by this subtitle, is further amended—

(1) in subsection (b)—

(A) in paragraph (1)(D)(iii)(I), by striking "subsection (l)(1)(A)" and inserting "subsection (l)(3)(A)"; and

(B) in paragraph (2)(B)(i)(I), by striking "that threat" and inserting "the risk";

(2) in subsection (d)(4)(A), by striking "the foreign interest exercising control" and inserting "a foreign person that would acquire an interest in a United States business or its assets as a result of the covered transaction"; and

(3) in subsection (j), by striking "merger, acquisition, or takeover" and inserting "transaction".

SEC. 1726. BRIEFING ON INFORMATION FROM TRANSACTIONS REVIEWED BY COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES RELATING TO FOREIGN EFFORTS TO INFLUENCE DEMOCRATIC INSTITUTIONS AND PROCESSES.

Not later than 60 days after the date of the enactment of this Act, the Secretary of the Treasury (or a designee of the Secretary) shall provide a briefing to the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Financial Services of the House of Representatives on—

(1) transactions reviewed by the Committee on Foreign Investment in the United States during the 5-year period preceding the briefing that the Committee determined would have allowed foreign persons to inappropriately influence democratic institutions and processes within the United States and in other countries; and

(2) the disposition of such reviews, including any steps taken by the Committee to address the risk of allowing foreign persons to influence such institutions and processes.

SEC. 1727. EFFECTIVE DATE.

(a) IMMEDIATE APPLICABILITY OF CERTAIN PROVISIONS.—The following shall take effect on the date of the enactment of this Act and, as applicable, apply with respect to any covered transaction the review or investigation of which is initiated under section 721 of the Defense Production Act of 1950 on or after such date of enactment:

(1) Sections 1705, 1707, 1708, 1709, 1710, 1713, 1714, 1715, 1716, 1717, 1718, 1720, 1721, 1722, 1723, 1724, and 1725 and any amendments made by those sections.

(2) Section 1712 and the amendments made by that section (except for clause (iii) of section 721(b)(4)(A) of the Defense Production Act of 1950, as added by section 1712).

(3) Paragraphs (1), (2), (3), (4)(A)(i), (4)(B)(i), (4)(B)(iv)(I), (4)(B)(v), (4)(C)(v), (5), (6), (7), (8), (9), (10), (11), (12), and (13) of subsection (a) of section 721 of the Defense Production Act of 1950, as amended by section 1703.

(4) Section 721(m)(4) of the Defense Production Act of 1950, as amended by section 1719 (except for clauses (ii), (iii), (iv), and (v) of subparagraph (B) of that section).

(b) DELAYED APPLICABILITY OF CERTAIN PROVISIONS.—

(1) IN GENERAL.—Any provision of or amendment made by this subtitle not specified in subsection (a) shall—

(A) take effect on the earlier of—

(i) the date that is 18 months after the date of the enactment of this Act; or

(ii) the date that is 30 days after publication in the Federal Register of a determination by the chairperson of the Committee on Foreign Investment in the United States that the regulations, organizational structure, personnel, and other resources necessary to administer the new provisions are in place; and

(B) apply with respect to any covered transaction the review or investigation of which is initiated under section 721 of the Defense Production Act of 1950 on or after the date described in subparagraph (A).

(2) NONDELEGATION OF DETERMINATION.—The determination of the chairperson of the Committee on Foreign Investment in the United States under paragraph (1)(A) may not be delegated.

(c) AUTHORIZATION FOR PILOT PROGRAMS.—

(1) IN GENERAL.—Beginning on the date of the enactment of this Act and ending on the date that is 570 days thereafter, the Committee on Foreign Investment in the United States may, at its discretion, conduct one or more pilot programs to implement any authority provided pursuant to any provision of or amendment made by this subtitle not specified in subsection (a).

(2) PUBLICATION IN FEDERAL REGISTER.—A pilot program under paragraph (1) may not commence until the date that is 30 days after publication in the Federal Register of a determination by the chairperson of the Committee of the scope of and procedures for the pilot program. That determination may not be delegated.

SEC. 1728. SEVERABILITY.

If any provision of this subtitle or an amendment made by this subtitle, or the application of such a provision or amendment to any person or circumstance, is held to be invalid, the application of that provision or amendment to other persons or circumstances and the remainder of the provisions of this subtitle and the amendments made by this subtitle, shall not be affected thereby.

Subtitle B—Export Control Reform

SEC. 1741. SHORT TITLE.

This subtitle may be cited as the "Export Control Reform Act of 2018".

SEC. 1742. DEFINITIONS.

In this subtitle:

(1) CONTROLLED.—The term "controlled" refers to an item subject to the jurisdiction of the United States under part I.

(2) DUAL-USE.—The term "dual-use", with respect to an item, means the item has civilian applications and military, terrorism, weapons of mass destruction, or law-enforcement-related applications.

(3) EXPORT.—The term "export", with respect to an item subject to controls under part I, includes—

(A) the shipment or transmission of the item out of the United States, including the sending or taking of the item out of the United States, in any manner; and

(B) the release or transfer of technology or source code relating to the item to a foreign person in the United States.

(4) EXPORT ADMINISTRATION REGULATIONS.—The term "Export Administration Regulations" means—

(A) the Export Administration Regulations as promulgated, maintained, and amended under the authority of the International Emergency Economic Powers Act and codified, as of the date of the enactment of this Act, in subchapter C of chapter VII of title 15, Code of Federal Regulations; or

(B) regulations that are promulgated, maintained, and amended under the authority of part I on or after the date of the enactment of this Act.

(5) FOREIGN PERSON.—The term "foreign person" means—

(A) any natural person who is not a lawful permanent resident of the United States, citizen of the United States, or any other protected individual (as such term is defined in section 274B(a)(3) of the Immigration and Nationality Act (8 U.S.C. 1324b(a)(3));

(B) any corporation, business association, partnership, trust, society or any other entity or group that is not incorporated in the United States or organized to do business in the United States, as well as international organizations, foreign governments and any agency or subdivision of a foreign government (e.g., diplomatic mission).

(6) IN-COUNTRY TRANSFER.—The term "in-country transfer", with respect to an item subject to controls under part I, means a change in the end-use or end user of the item within the same foreign country.

(7) ITEM.—The term "item" means a commodity, software, or technology.

(8) PERSON.—The term "person" means—

(A) a natural person;

(B) a corporation, business association, partnership, society, trust, financial institution, insurer, underwriter, guarantor, and any other business organization, any other nongovernmental entity, organization, or group, or any government or agency thereof; and

(C) any successor to any entity described in subparagraph (B).

(9) REEXPORT.—The term "reexport", with respect to an item subject to controls under part I, includes—

(A) the shipment or transmission of the item from a foreign country to another foreign country, including the sending or taking of the item from the foreign country to the other foreign country, in any manner; and

(B) the release or transfer of technology or source code relating to the item to a foreign person outside the United States.

(10) SECRETARY.—Except as otherwise provided, the term "Secretary" means the Secretary of Commerce.

(11) TECHNOLOGY.—The term "technology" includes information, in tangible or intangible form, necessary for the development, production, or use of an item.

(12) UNITED STATES.—The term "United States" means the several States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, American Samoa, Guam, the United States Virgin Islands, and any other territory or possession of the United States.

(13) UNITED STATES PERSON.—The term "United States person" means—

(A) for purposes of part I—

(i) any individual who is a citizen or national of the United States or who is an individual described in subparagraph (B) of section 274B(a)(3) of the Immigration and Nationality Act (8 U.S.C. 1324b(a)(3));

(ii) a corporation or other legal entity which is organized under the laws of the United States, any State or territory thereof, or the District of Columbia; and

(iii) any person in the United States; and

(B) for purposes of part II, any United States resident or national (other than an individual resident outside the United States and employed by other than a United States person), any domestic concern (including any permanent domestic establishment of any foreign concern) and any foreign subsidiary or affiliate (including any permanent foreign establishment) of any domestic concern which is controlled in fact by such domestic concern, as determined under regulations by the Secretary.

(14) WEAPONS OF MASS DESTRUCTION.—The term "weapons of mass destruction" means nuclear, radiological, chemical, and biological weapons and delivery systems for such weapons.

PART I—AUTHORITY AND ADMINISTRATION OF CONTROLS

SEC. 1751. SHORT TITLE.

This part may be cited as the "Export Controls Act of 2018".

SEC. 1752. STATEMENT OF POLICY.

The following is the policy of the United States:

(1) To use export controls only after full consideration of the impact on the economy of the United States and only to the extent necessary—

(A) to restrict the export of items which would make a significant contribution to the military potential of any other country or combination of countries which would prove detrimental to the national security of the United States; and

(B) to restrict the export of items if necessary to further significantly the foreign policy of the United States or to fulfill its declared international obligations.

(2) The national security and foreign policy of the United States require that the export, reexport, and in-country transfer

of items, and specific activities of United States persons, wherever located, be controlled for the following purposes:

(A) To control the release of items for use in—

(i) the proliferation of weapons of mass destruction or of conventional weapons;

(ii) the acquisition of destabilizing numbers or types of conventional weapons;

(iii) acts of terrorism;

(iv) military programs that could pose a threat to the security of the United States or its allies; or

(v) activities undertaken specifically to cause significant interference with or disruption of critical infrastructure.

(B) To preserve the qualitative military superiority of the United States.

(C) To strengthen the United States defense industrial base.

(D) To carry out the foreign policy of the United States, including the protection of human rights and the promotion of democracy.

(E) To carry out obligations and commitments under international agreements and arrangements, including multilateral export control regimes.

(F) To facilitate military interoperability between the United States and its North Atlantic Treaty Organization (NATO) and other close allies.

(G) To ensure national security controls are tailored to focus on those core technologies and other items that are capable of being used to pose a serious national security threat to the United States.

(3) The national security of the United States requires that the United States maintain its leadership in the science, technology, engineering, and manufacturing sectors, including foundational technology that is essential to innovation. Such leadership requires that United States persons are competitive in global markets. The impact of the implementation of this part on such leadership and competitiveness must be evaluated on an ongoing basis and applied in imposing controls under sections 1753 and 1754 to avoid negatively affecting such leadership.

(4) The national security and foreign policy of the United States require that the United States participate in multilateral organizations and agreements regarding export controls on items that are consistent with the policy of the United States, and take all the necessary steps to secure the adoption and consistent enforcement, by the governments of such countries, of export controls on items that are consistent with such policy.

(5) Export controls should be coordinated with the multilateral export control regimes. Export controls that are multilateral are most effective, and should be tailored to focus on those core technologies and other items that are capable of being used to pose a serious national security threat to the United States and its allies.

(6) Export controls applied unilaterally to items widely available from foreign sources generally are less effective in pre-

venting end-users from acquiring those items. Application of unilateral export controls should be limited for purposes of protecting specific United States national security and foreign policy interests.

(7) The effective administration of export controls requires a clear understanding both inside and outside the United States Government of which items are controlled and an efficient process should be created to regularly update the controls, such as by adding or removing such items.

(8) The export control system must ensure that it is transparent, predictable, and timely, has the flexibility to be adapted to address new threats in the future, and allows seamless access to and sharing of export control information among all relevant United States national security and foreign policy agencies.

(9) Implementation and enforcement of United States export controls require robust capabilities in monitoring, intelligence, and investigation, appropriate penalties for violations, and the ability to swiftly interdict unapproved transfers.

(10) Export controls complement and are a critical element of the national security policies underlying the laws and regulations governing foreign direct investment in the United States, including controlling the transfer of critical technologies to certain foreign persons. Thus, the President, in coordination with the Secretary, the Secretary of Defense, the Secretary of State, the Secretary of Energy, and the heads of other Federal agencies, as appropriate, should have a regular and robust process to identify the emerging and other types of critical technologies of concern and regulate their release to foreign persons as warranted regardless of the nature of the underlying transaction. Such identification efforts should draw upon the resources and expertise of all relevant parts of the United States Government, industry, and academia. These efforts should be in addition to traditional efforts to modernize and update the lists of controlled items under the multilateral export control regimes.

(11) The authority under this part may be exercised only in furtherance of all of the objectives set forth in paragraphs (1) through (10).

SEC. 1753. AUTHORITY OF THE PRESIDENT.

(a) AUTHORITY.—In order to carry out the policy set forth in paragraphs (1) through (10) of section 1752, the President shall control—

(1) the export, reexport, and in-country transfer of items subject to the jurisdiction of the United States, whether by United States persons or by foreign persons; and

(2) the activities of United States persons, wherever located, relating to specific—

(A) nuclear explosive devices;

(B) missiles;

(C) chemical or biological weapons;

(D) whole plants for chemical weapons precursors;

(E) foreign maritime nuclear projects; and

(F) foreign military intelligence services.

(b) REQUIREMENTS.—In exercising authority under this part to carry out the policy set forth in paragraphs (1) through (10) of section 1752, the President shall—

(1) regulate the export, reexport, and in-country transfer of items described in subsection (a)(1) of United States persons or foreign persons;

(2) regulate the activities described in subsection (a)(2) of United States persons, wherever located;

(3) seek to secure the cooperation of other governments and multilateral organizations to impose control systems that are consistent, to the extent possible, with the controls imposed under subsection (a);

(4) maintain the leadership of the United States in science, engineering, technology research and development, manufacturing, and foundational technology that is essential to innovation;

(5) protect United States technological advances by prohibiting unauthorized technology transfers to foreign persons in the United States or outside the United States, particularly with respect to countries that may pose a significant threat to the national security of the United States;

(6) strengthen the United States industrial base, both with respect to current and future defense requirements; and

(7) enforce the controls through means such as regulations, requirements for compliance, lists of controlled items, lists of foreign persons who threaten the national security or foreign policy of the United States, and guidance in a form that facilitates compliance by United States persons and foreign persons, in particular academic institutions, scientific and research establishments, and small- and medium-sized businesses.

(c) APPLICATION OF CONTROLS.—The President shall impose controls over the export, reexport, or in-country transfer of items for purposes of the objectives described in subsections (b)(1) or (b)(2) without regard to the nature of the underlying transaction or any circumstances pertaining to the activity, including whether such export, reexport, or in-country transfer occurs pursuant to a purchase order or other contract requirement, voluntary decision, inter-company arrangement, marketing effort, or during a joint venture, joint development agreement, or similar collaborative agreement.

SEC. 1754. ADDITIONAL AUTHORITIES.

(a) IN GENERAL.—In carrying out this part on behalf of the President, the Secretary, in consultation with the Secretary of State, the Secretary of Defense, the Secretary of Energy, and the heads of other Federal agencies as appropriate, shall—

(1) establish and maintain a list of items that are controlled under this part;

(2) establish and maintain a list of foreign persons and end-uses that are determined to be a threat to the national security and foreign policy of the United States pursuant to the policy set forth in section 1752(2)(A);

(3) prohibit unauthorized exports, reexports, and in-country transfers of controlled items, including to foreign persons in the United States or outside the United States;

(4) restrict exports, reexports, and in-country transfers of any controlled items to any foreign person or end-use listed under paragraph (2);

(5) require licenses or other authorizations, as appropriate, for exports, reexports, and in-country transfers of controlled items, including—

(A) imposing conditions or restrictions on United States persons and foreign persons with respect to such licenses or other authorizations; and

(B) suspending or revoking such licenses or authorizations;

(6) establish a process for an assessment to determine whether a foreign item is comparable in quality to an item controlled under this part, and is available in sufficient quantities to render the United States export control of that item or the denial of a license ineffective, including a mechanism to address that disparity;

(7) require measures for compliance with the export controls established under this part;

(8) require and obtain such information from United States persons and foreign persons as is necessary to carry out this part;

(9) require, to the extent feasible, identification of items subject to controls under this part in order to facilitate the enforcement of such controls;

(10) inspect, search, detain, or seize, or impose temporary denial orders with respect to items, in any form, that are subject to controls under this part, or conveyances on which it is believed that there are items that have been, are being, or are about to be exported, reexported, or in-country transferred in violation of this part;

(11) monitor shipments and other means of transfer;

(12) keep the public appropriately apprised of changes in policy, regulations, and procedures established under this part;

(13) appoint technical advisory committees in accordance with the Federal Advisory Committee Act;

(14) create, as warranted, exceptions to licensing requirements in order to further the objectives of this part;

(15) establish and maintain processes to inform persons, either individually by specific notice or through amendment to any regulation or order issued under this part, that a license from the Bureau of Industry and Security of the Department of Commerce is required to export; and

(16) undertake any other action as is necessary to carry out this part that is not otherwise prohibited by law.

(b) RELATIONSHIP TO IEEPA.—The authority under this part may not be used to regulate or prohibit under this part the export, reexport, or in-country transfer of any item that may not be regulated or prohibited under section 203(b) of the International Emergency Economic Powers Act (50 U.S.C. 1702(b)), except to the extent the President has made a determination necessary to impose controls under subparagraph (A), (B), or (C) of paragraph (2) of such section.

(c) COUNTRIES SUPPORTING INTERNATIONAL TERRORISM.—

(1) COMMERCE LICENSE REQUIREMENT.—

(A) IN GENERAL.—A license shall be required for the export, reexport, or in-country transfer of items, the control of which is implemented pursuant to subsection (a) by the

Secretary, to a country if the Secretary of State has made the following determinations:

(i) The government of such country has repeatedly provided support for acts of international terrorism.

(ii) The export, reexport, or in-country transfer of such items could make a significant contribution to the military potential of such country, including its military logistics capability, or could enhance the ability of such country to support acts of international terrorism.

(B) DETERMINATION UNDER OTHER PROVISIONS OF LAW.—A determination of the Secretary of State under section 620A of the Foreign Assistance Act of 1961 (22 U.S.C. 2371), section 40 of the Arms Export Control Act (22 U.S.C. 2780), or any other provision of law that the government of a country described in subparagraph (A) has repeatedly provided support for acts of international terrorism shall be deemed to be a determination with respect to such government for purposes of clause (i) of subparagraph (A).

(2) NOTIFICATION TO CONGRESS.—

(A) IN GENERAL.—The Secretary of State and the Secretary shall notify the Committee on Foreign Affairs of the House of Representatives and the Committee on Banking, Housing, and Urban Affairs and the Committee on Foreign Relations of the Senate at least 30 days before any license is issued as required by paragraph (1).

(B) CONTENTS.—The Secretary of State shall include in the notification required under subparagraph (A)—

(i) a detailed description of the items to be offered, including a brief description of the capabilities of any item for which a license to export, reexport, or in-country transfer the items is sought;

(ii) the reasons why the foreign country, person, or entity to which the export, reexport, or in-country transfer is proposed to be made has requested the items under the export, reexport, or in-country transfer, and a description of the manner in which such country, person, or entity intends to use such items;

(iii) the reasons why the proposed export, reexport, or in-country transfer is in the national interest of the United States;

(iv) an analysis of the impact of the proposed export, reexport, or in-country transfer on the military capabilities of the foreign country, person, or entity to which such transfer would be made;

(v) an analysis of the manner in which the proposed export, reexport, or in-country transfer would affect the relative military strengths of countries in the region to which the items that are the subject of such export, reexport, or in-country transfer would be delivered and whether other countries in the region have comparable kinds and amounts of items; and

(vi) an analysis of the impact of the proposed export, reexport, or in-country transfer on the relations of the United States with the countries in the region to

which the items that are the subject of such export, reexport, or in-country transfer would be delivered.

(3) PUBLICATION IN FEDERAL REGISTER.—Each determination of the Secretary of State under paragraph (1)(A)(i) shall be published in the Federal Register, except that the Secretary of State may exclude confidential information and trade secrets contained in such determination.

(4) RESCISSION OF DETERMINATION.—A determination of the Secretary of State under paragraph (1)(A)(i) may not be rescinded unless the President submits to the Speaker of the House of Representatives, the chairman of the Committee on Foreign Affairs, and the chairman of the Committee on Banking, Housing, and Urban Affairs and the chairman of the Committee on Foreign Relations of the Senate—

(A) before the proposed rescission would take effect, a report certifying that—

(i) there has been a fundamental change in the leadership and policies of the government of the country concerned;

(ii) that government is not supporting acts of international terrorism; and

(iii) that government has provided assurances that it will not support acts of international terrorism in the future; or

(B) at least 45 days before the proposed rescission would take effect, a report justifying the rescission and certifying that—

(i) the government concerned has not provided any support for acts international terrorism during the preceding 6-month period; and

(ii) the government concerned has provided assurances that it will not support acts of international terrorism in the future.

(d) ENHANCED CONTROLS.—

(1) IN GENERAL.—In furtherance of section 1753(a), the President shall, except to the extent authorized by a statute or regulation administered by a Federal department or agency other than the Department of Commerce, require a United States person, wherever located, to apply for and receive a license from the Department of Commerce for—

(A) the export, reexport, or in-country transfer of items described in paragraph (2), including items that are not subject to control under this part; and

(B) other activities that may support the design, development, production, use, operation, installation, maintenance, repair, overhaul, or refurbishing of, or for the performance of services relating to, any such items.

(2) ITEMS DESCRIBED.—The items described in this paragraph include—

(A) nuclear explosive devices;

(B) missiles;

(C) chemical or biological weapons;

(D) whole plants for chemical weapons precursors; and

(E) foreign maritime nuclear projects that would pose a risk to the national security or foreign policy of the United States.

(e) ADDITIONAL PROHIBITIONS.—The Secretary may inform United States persons, either individually by specific notice or through amendment to any regulation or order issued under this part, that a license from the Bureau of Industry and Security of the Department of Commerce is required to engage in any activity if the activity involves the types of movement, service, or support described in subsection (d). The absence of any such notification does not excuse the United States person from compliance with the license requirements of subsection (d), or any regulation or order issued under this part.

(f) LICENSE REVIEW STANDARDS.—The Secretary shall deny an application to engage in any activity described in subsection (d) if the activity would make a material contribution to any of the items described in subsection (d)(2).

SEC. 1755. ADMINISTRATION OF EXPORT CONTROLS.

(a) IN GENERAL.—The President shall rely on, including through delegations, as appropriate, the Secretary, the Secretary of Defense, the Secretary of State, the Secretary of Energy, the Director of National Intelligence, and the heads of other Federal agencies as appropriate, to exercise the authority to carry out the purposes set forth in subsection (b).

(b) PURPOSES.—The purposes of this section include to—

(1) advise the President with respect to—

(A) identifying specific threats to the national security and foreign policy that the authority of this part may be used to address; and

(B) exercising the authority under this part to implement policies, regulations, procedures, and actions that are necessary to effectively counteract those threats;

(2) review and approve—

(A) criteria for including items on, and removing such an item from, a list of controlled items established under this part;

(B) an interagency procedure for compiling and amending any list described in subparagraph (A);

(C) criteria for including a person on a list of persons to whom exports, reexports, and in-country transfers of items are prohibited or restricted under this part;

(D) standards for compliance by persons subject to controls under this part; and

(E) policies and procedures for the end-use monitoring of exports, reexports, and in-country transfers of items controlled under this part; and

(3) benefit from the inherent equities, experience, and capabilities of the Federal officials described in subsection (a).

(c) SENSE OF CONGRESS.—It is the sense of Congress that the administration of export controls under this part should be consistent with the procedures relating to export license applications described in Executive Order 12981 (1995).

SEC. 1756. LICENSING.

(a) IN GENERAL.—The Secretary shall, consistent with delegations as described in section 1755, establish a procedure to license or otherwise authorize the export, reexport, and in-country transfer of items controlled under this part in order to carry out the policy set forth in section 1752 and the requirements set forth in section 1753(b). The procedure shall ensure that—

(1) license applications and other requests for authorization are considered and decisions made with the participation of appropriate Federal agencies, as appropriate; and

(2) licensing decisions are made in an expeditious manner, with transparency to applicants on the status of license and other authorization processing and the reason for denying any license or request for authorization.

(b) SENSE OF CONGRESS.—It is the sense of Congress that the Secretary should make best efforts to ensure that an accurate, consistent, and timely evaluation and processing of licenses or other requests for authorization to export, reexport, or in-country transfer items controlled under this part is generally accomplished within 30 days from the date of such license request.

(c) FEES.—No fee may be charged in connection with the submission, processing, or consideration of any application for a license or other authorization or other request made in connection with any regulation in effect under the authority of this part.

(d) ADDITIONAL PROCEDURAL REQUIREMENTS.—

(1) IN GENERAL.—The procedure required under subsection (a) shall provide for the assessment of the impact of a proposed export of an item on the United States defense industrial base and the denial of an application for a license or a request for an authorization of any export that would have a significant negative impact on such defense industrial base, as described in paragraph (3).

(2) INFORMATION FROM APPLICANT.—The procedure required under subsection (a) shall also require an applicant for a license to provide the information necessary to make the assessment provided under paragraph (1), including whether the purpose or effect of the export is to allow for the significant production of items relevant for the defense industrial base outside the United States.

(3) SIGNIFICANTLY NEGATIVE IMPACT DEFINED.—A significant negative impact on the United States defense industrial base is the following:

(A) A reduction in the availability of an item produced in the United States that is likely to be acquired by the Department of Defense or other Federal department or agency for the advancement of the national security of the United States, or for the production of an item in the United States for the Department of Defense or other agency for the advancement of the national security of the United States.

(B) A reduction in the production in the United States of an item that is the result of research and development carried out, or funded by, the Department of Defense or other Federal department or agency to advance the national security of the United States, or a federally funded research and development center.

(C) A reduction in the employment of United States persons whose knowledge and skills are necessary for the continued production in the United States of an item that is likely to be acquired by the Department of Defense or other Federal department or agency for the advancement of the national security of the United States.

SEC. 1757. COMPLIANCE ASSISTANCE.

(a) SYSTEM FOR SEEKING ASSISTANCE.—The President may authorize the Secretary to establish a system to provide United States persons with assistance in complying with this part, which may include a mechanism for providing information, in classified form as appropriate, who are potential customers, suppliers, or business partners with respect to items controlled under this part, in order to further ensure the prevention of the export, reexport, or in-country transfer of items that may pose a threat to the national security or foreign policy of the United States.

(b) SECURITY CLEARANCES.—In order to carry out subsection (a), the President may issue appropriate security clearances to persons described in that subsection who are responsible for complying with this part.

(c) ASSISTANCE FOR CERTAIN BUSINESSES.—

(1) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the President shall develop and submit to Congress a plan to assist small- and medium-sized United States businesses in export licensing and other processes under this part.

(2) CONTENTS.—The plan shall include, among other things, arrangements for the Department of Commerce to provide counseling to businesses described in paragraph (1) on filing applications and identifying items controlled under this part, as well as proposals for seminars and conferences to educate such businesses on export controls, licensing procedures, and related obligations.

SEC. 1758. REQUIREMENTS TO IDENTIFY AND CONTROL THE EXPORT OF EMERGING AND FOUNDATIONAL TECHNOLOGIES.

(a) IDENTIFICATION OF TECHNOLOGIES.—

(1) IN GENERAL.—The President shall establish and, in coordination with the Secretary, the Secretary of Defense, the Secretary of Energy, the Secretary of State, and the heads of other Federal agencies as appropriate, lead, a regular, ongoing interagency process to identify emerging and foundational technologies that—

(A) are essential to the national security of the United States; and

(B) are not critical technologies described in clauses (i) through (v) of section 721(a)(6)(A) of the Defense Production Act of 1950, as amended by section 1703.

(2) PROCESS.—The interagency process established under subsection (a) shall—

(A) be informed by multiple sources of information, including—

(i) publicly available information;

(ii) classified information, including relevant information provided by the Director of National Intelligence;

(iii) information relating to reviews and investigations of transactions by the Committee on Foreign Investment in the United States under section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565); and

(iv) information provided by the advisory committees established by the Secretary to advise the Under Secretary of Commerce for Industry and Security on controls under the Export Administration Regulations, including the Emerging Technology and Research Advisory Committee;

(B) take into account—

(i) the development of emerging and foundational technologies in foreign countries;

(ii) the effect export controls imposed pursuant to this section may have on the development of such technologies in the United States; and

(iii) the effectiveness of export controls imposed pursuant to this section on limiting the proliferation of emerging and foundational technologies to foreign countries; and

(C) include a notice and comment period.

(b) COMMERCE CONTROLS.—

(1) IN GENERAL.—Except to the extent inconsistent with the authorities described in subsection (a)(1)(B), the Secretary shall establish appropriate controls under the Export Administration Regulations on the export, reexport, or in-country transfer of technology identified pursuant to subsection (a), including through interim controls (such as by informing a person that a license is required for export), as appropriate, or by publishing additional regulations.

(2) LEVELS OF CONTROL.—

(A) IN GENERAL.—The Secretary may, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other Federal agencies, as appropriate, specify the level of control to apply under paragraph (1) with respect to the export of technology described in that paragraph, including a requirement for a license or other authorization for the export, reexport, or in-country transfer of that technology.

(B) CONSIDERATIONS.—In determining under subparagraph (A) the level of control appropriate for technology described in paragraph (1), the Secretary shall take into account—

(i) lists of countries to which exports from the United States are restricted; and

(ii) the potential end uses and end users of the technology.

(C) MINIMUM REQUIREMENTS.—At a minimum, except as provided by paragraph (4), the Secretary shall require a license for the export, reexport, or in-country transfer of technology described in paragraph (1) to or in a country

subject to an embargo, including an arms embargo, imposed by the United States.

(3) REVIEW OF LICENSE APPLICATIONS.—

(A) PROCEDURES.—The procedures set forth in Executive Order 12981 (50 U.S.C. 4603 note; relating to administration of export controls) or a successor order shall apply to the review of an application for a license or other authorization for the export, reexport, or in-country transfer of technology described in paragraph (1).

(B) CONSIDERATION OF INFORMATION RELATING TO NATIONAL SECURITY.—In reviewing an application for a license or other authorization for the export, reexport, or in-country transfer of technology described in paragraph (1), the Secretary shall take into account information provided by the Director of National Intelligence regarding any threat to the national security of the United States posed by the proposed export, reexport, or transfer. The Director of National Intelligence shall provide such information on the request of the Secretary.

(C) DISCLOSURES RELATING TO COLLABORATIVE ARRANGEMENTS.—In the case of an application for a license or other authorization for the export, reexport, or in-country transfer of technology described in paragraph (1) submitted by or on behalf of a joint venture, joint development agreement, or similar collaborative arrangement, the Secretary may require the applicant to identify, in addition to any foreign person participating in the arrangement, any foreign person with significant ownership interest in a foreign person participating in the arrangement.

(4) EXCEPTIONS.—

(A) MANDATORY EXCEPTIONS.—The Secretary may not control under this subsection the export of any technology—

(i) described in section 203(b) of the International Emergency Economic Powers Act (50 U.S.C. 1702(b)); or

(ii) if the regulation of the export of that technology is prohibited under any other provision of law.

(B) REGULATORY EXCEPTIONS.—In prescribing regulations under paragraph (1), the Secretary may include regulatory exceptions to the requirements of that paragraph.

(C) ADDITIONAL EXCEPTIONS.—The Secretary shall not be required to impose under paragraph (1) a requirement for a license or other authorization with respect to the export, reexport, or in-country transfer of technology described in paragraph (1) pursuant to any of the following transactions:

(i) The sale or license of a finished item and the provision of associated technology if the United States person that is a party to the transaction generally makes the finished item and associated technology available to its customers, distributors, or resellers.

(ii) The sale or license to a customer of a product and the provision of integration services or similar services if the United States person that is a party to

the transaction generally makes such services available to its customers.

(iii) The transfer of equipment and the provision of associated technology to operate the equipment if the transfer could not result in the foreign person using the equipment to produce critical technologies (as defined in section 721(a) of the Defense Production Act of 1950, as amended by section 1703).

(iv) The procurement by the United States person that is a party to the transaction of goods or services, including manufacturing services, from a foreign person that is a party to the transaction, if the foreign person has no rights to exploit any technology contributed by the United States person other than to supply the procured goods or services.

(v) Any contribution and associated support by a United States person that is a party to the transaction to an industry organization related to a standard or specification, whether in development or declared, including any license of or commitment to license intellectual property in compliance with the rules of any standards organization (as defined by the Secretary by regulation).

(c) MULTILATERAL CONTROLS.—

(1) IN GENERAL.—The Secretary of State, in consultation with the Secretary and the Secretary of Defense, and the heads of other Federal agencies, as appropriate, shall propose that any technology identified pursuant to subsection (a) be added to the list of technologies controlled by the relevant multilateral export control regimes.

(2) ITEMS ON COMMERCE CONTROL LIST OR UNITED STATES MUNITIONS LIST.—If the Secretary of State proposes to a multilateral export control regime under paragraph (1) to add a technology identified pursuant to subsection (a) to the control list of that regime and that regime does not add that technology to the control list during the 3-year period beginning on the date of the proposal, the applicable agency head may determine whether national security concerns warrant the continuation of unilateral export controls with respect to that technology.

(d) REPORT TO COMMITTEE ON FOREIGN INVESTMENT IN THE UNITED STATES.—Not less frequently than every 180 days, the Secretary, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other Federal agencies, as appropriate, shall submit to the Committee on Foreign Investment in the United States a report on the results of actions taken pursuant to this section.

(e) REPORT TO CONGRESS.—Not less frequently than every 180 days, the Secretary, in coordination with the Secretary of Defense, the Secretary of State, and the heads of other Federal agencies, as appropriate, shall submit a report on the results of actions taken pursuant to this section, including actions taken pursuant to subsections (a), (b), and (c), to—

(1) the Committee on Banking, Housing, and Urban Affairs, the Committee on Foreign Relations, the Committee on

Armed Services, and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Financial Services, the Committee on Foreign Affairs, the Committee on Armed Services, and the Permanent Select Committee on Intelligence of the House of Representatives.

(f) MODIFICATIONS TO EMERGING TECHNOLOGY AND RESEARCH ADVISORY COMMITTEE.—

(1) IN GENERAL.—The Secretary shall revise the objectives of the Emerging Technology and Research Advisory Committee, established by the Secretary under the Export Administration Regulations, to include advising the interagency process established under subsection (a) with respect to emerging and foundational technologies.

(2) DUTIES.—The Secretary—

(A) shall revise the duties of the Emerging Technology and Research Advisory Committee to include identifying emerging and foundational technologies that may be developed over a period of 5 years or 10 years; and

(B) may revise the duties of the Advisory Committee to include identifying trends in—

(i) the ownership by foreign persons and foreign governments of such technologies;

(ii) the types of transactions related to such technologies engaged in by foreign persons and foreign governments;

(iii) the blending of private and government investment in such technologies; and

(iv) efforts to obfuscate ownership of such technologies or to otherwise circumvent the controls established under this section.

(3) MEETINGS.—

(A) FREQUENCY.—The Emerging Technology and Research Advisory Committee should meet not less frequently than every 120 days.

(B) ATTENDANCE.—A representative from each agency participating in the interagency process established under subsection (a) should be in attendance at each meeting of the Emerging Technology and Research Advisory Committee.

(4) CLASSIFIED INFORMATION.—Not fewer than half of the members of the Emerging Technology and Research Advisory Committee should hold sufficient security clearances such that classified information, including classified information described in clauses (ii) and (iii) of subsection (a)(2)(A), from the interagency process established under subsection (a) can be shared with those members to inform the advice provided by the Advisory Committee.

(5) APPLICABILITY OF FEDERAL ADVISORY COMMITTEE ACT.—Subsections (a)(1), (a)(3), and (b) of section 10 and sections 11, 13, and 14 of the Federal Advisory Committee Act (5 U.S.C. App.) shall not apply to the Emerging Technology and Research Advisory Committee.

(6) REPORT.—The Emerging Technology and Research Advisory Committee shall include the findings of the Advisory

Committee under this subsection in the annual report to Congress required by section 1765.

(g) RULE OF CONSTRUCTION.—Nothing in this subtitle shall be construed to alter or limit—

(1) the authority of the President or the Secretary of State to designate items as defense articles and defense services for the purposes of the Arms Export Control Act (22 U.S.C. 2751 et seq.) or to otherwise regulate such items; or

(2) the authority of the President under the Atomic Energy Act of 1954 (42 U.S.C. 2011 et seq.), the Nuclear Non-Proliferation Act of 1978 (22 U.S.C. 3201 et seq.), the Energy Reorganization Act of 1974 (42 U.S.C. 5801 et seq.), or the Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) (as continued in effect pursuant to the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.)) or any other provision of law relating to the control of exports.

SEC. 1759. REVIEW RELATING TO COUNTRIES SUBJECT TO COMPREHENSIVE UNITED STATES ARMS EMBARGO.

(a) IN GENERAL.—The Secretary, the Secretary of Defense, the Secretary of State, the Secretary of Energy, and the heads of other Federal agencies as appropriate, shall conduct a review of license requirements for exports, reexports, or in-country transfers of items to countries subject to a comprehensive United States arms embargo, including, as appropriate—

(1) the scope of controls under title 15, Code of Federal Regulations, that apply to exports, reexports, and in-country transfers for military end uses and military end users in countries that are subject to a comprehensive United States arms embargo and countries that are subject to a United Nations arms embargo; and

(2) entries on the Commerce Control List maintained under title 15, Code of Federal Regulations, that are not subject to a license requirement for the export, reexport, or in-country transfer of items to countries subject to a comprehensive United States arms embargo;

(b) IMPLEMENTATION OF RESULTS OF REVIEW.—Not later than 270 days after the date of the enactment of this Act, the Secretary shall implement the results of the review conducted under subsection (a).

SEC. 1760. PENALTIES.

(a) UNLAWFUL ACTS.—

(1) IN GENERAL.—It shall be unlawful for a person to violate, attempt to violate, conspire to violate, or cause a violation of this part or of any regulation, order, license, or other authorization issued under this part, including any of the unlawful acts described in paragraph (2).

(2) SPECIFIC UNLAWFUL ACTS.—The unlawful acts described in this paragraph are the following:

(A) No person may engage in any conduct prohibited by or contrary to, or refrain from engaging in any conduct required by this part, the Export Administration Regulations, or any order, license or authorization issued thereunder.

(B) No person may cause or aid, abet, counsel, command, induce, procure, permit, or approve the doing of any

act prohibited, or the omission of any act required by this part, the Export Administration Regulations, or any order, license or authorization issued thereunder.

(C) No person may solicit or attempt a violation of this part, the Export Administration Regulations, or any order, license or authorization issued thereunder.

(D) No person may conspire or act in concert with one or more other persons in any manner or for any purpose to bring about or to do any act that constitutes a violation of this part, the Export Administration Regulations, or any order, license or authorization issued thereunder.

(E) No person may order, buy, remove, conceal, store, use, sell, loan, dispose of, transfer, transport, finance, forward, or otherwise service, in whole or in part, or conduct negotiations to facilitate such activities for, any item exported or to be exported from the United States, or that is otherwise subject to the Export Administration Regulations, with knowledge that a violation of this part, the Export Administration Regulations, or any order, license or authorization issued thereunder, has occurred, is about to occur, or is intended to occur in connection with the item unless valid authorization is obtained therefor.

(F) No person may make any false or misleading representation, statement, or certification, or falsify or conceal any material fact, either directly to the Department of Commerce, or an official of any other United States agency, including the Department of Homeland Security and the Department of Justice, or indirectly through any other person—

(i) in the course of an investigation or other action subject to the Export Administration Regulations;

(ii) in connection with the preparation, submission, issuance, use, or maintenance of any export control document or any report filed or required to be filed pursuant to the Export Administration Regulations; or

(iii) for the purpose of or in connection with effecting any export, reexport, or in-country transfer of an item subject to the Export Administration Regulations or a service or other activity of a United States person described in section 1754.

(G) No person may engage in any transaction or take any other action with intent to evade the provisions of this part, the Export Administration Regulations, or any order, license, or authorization issued thereunder.

(H) No person may fail or refuse to comply with any reporting or recordkeeping requirements of the Export Administration Regulations or of any order, license, or authorization issued thereunder.

(I) Except as specifically authorized in the Export Administration Regulations or in writing by the Department of Commerce, no person may alter any license, authorization, export control document, or order issued under the Export Administration Regulations.

(J) No person may take any action that is prohibited by a denial order or a temporary denial order issued by the

Department of Commerce to prevent imminent violations of this part, the Export Administration Regulations, or any order, license or authorization issued thereunder.

(3) ADDITIONAL REQUIREMENTS.—For purposes of paragraph (2)(F), any representation, statement, or certification made by any person shall be deemed to be continuing in effect. Each person who has made a representation, statement, or certification to the Department of Commerce relating to any order, license, or other authorization issued under this part shall notify the Department of Commerce, in writing, of any change of any material fact or intention from that previously represented, stated, or certified, immediately upon receipt of any information that would lead a reasonably prudent person to know that a change of material fact or intention had occurred or may occur in the future.

(b) CRIMINAL PENALTY.—A person who willfully commits, willfully attempts to commit, or willfully conspires to commit, or aids and abets in the commission of, an unlawful act described in subsection (a)—

(1) shall be fined not more than $1,000,000; and

(2) in the case of the individual, shall be imprisoned for not more than 20 years, or both.

(c) CIVIL PENALTIES.—

(1) AUTHORITY.—The Secretary may impose the following civil penalties on a person for each violation by that person of this part or any regulation, order, or license issued under this part, for each violation:

(A) A fine of not more than $300,000 or an amount that is twice the value of the transaction that is the basis of the violation with respect to which the penalty is imposed, whichever is greater.

(B) Revocation of a license issued under this part to the person.

(C) A prohibition on the person's ability to export, reexport, or in-country transfer any items controlled under this part.

(2) PROCEDURES.—Any civil penalty under this subsection may be imposed only after notice and opportunity for an agency hearing on the record in accordance with sections 554 through 557 of title 5, United States Code.

(3) STANDARDS FOR LEVELS OF CIVIL PENALTY.—The Secretary may by regulation provide standards for establishing levels of civil penalty under this subsection based upon factors such as the seriousness of the violation, the culpability of the violator, and such mitigating factors as the violator's record of cooperation with the Government in disclosing the violation.

(d) CRIMINAL FORFEITURE.—

(1) IN GENERAL.—Any person who is convicted under subsection (b) of a violation of a control imposed under section 1753 (or any regulation, order, or license issued with respect to such control) shall, in addition to any other penalty, forfeit to the United States any of the person's property—

(A) used or intended to be used, in any manner, to commit or facilitate the violation;

(B) constituting or traceable to the gross proceeds taken, obtained, or retained, in connection with or as a result of the violation; or

(C) constituting an item or technology that is exported or intended to be exported in violation of this title.

(2) PROCEDURES.—The procedures in any forfeiture under this subsection shall be governed by the procedures established under section 413 of the Comprehensive Drug Abuse Prevention and Control Act of 1970 (21 U.S.C. 853), other than subsection (d) of such section.

(e) PRIOR CONVICTIONS.—

(1) LICENSE BAR.—

(A) IN GENERAL.—The Secretary may—

(i) deny the eligibility of any person convicted of a criminal violation described in subparagraph (B) to export, reexport, or in-country transfer outside the United States any item, whether or not subject to controls under this part, for a period of up to 10 years beginning on the date of the conviction; and

(ii) revoke any license or other authorization to export, reexport, or in-country transfer items that was issued under this part and in which such person has an interest at the time of the conviction.

(B) VIOLATIONS.—The violations referred to in subparagraph (A) are any criminal violations of, or criminal attempt or conspiracy to violate—

(i) this part (or any regulation, license, or order issued under this part);

(ii) any regulation, license, or order issued under the International Emergency Economic Powers Act;

(iii) section 371, 554, 793, 794, or 798 of title 18, United States Code;

(iv) section 1001 of title 18, United States Code;

(v) section 4(b) of the Internal Security Act of 1950 (50 U.S.C. 783(b)); or

(vi) section 38 of the Arms Export Control Act (22 U.S.C. 2778).

(2) APPLICATION TO OTHER PARTIES.—The Secretary may exercise the authority under paragraph (1) with respect to any person related, through affiliation, ownership, control, position of responsibility, or other connection in the conduct of trade or business, to any person convicted of any violation of law set forth in paragraph (1), upon a showing of such relationship with the convicted party, and subject to the procedures set forth in subsection (c)(2).

(f) OTHER AUTHORITIES.—Nothing in subsection (c), (d), or (e) limits—

(1) the availability of other administrative or judicial remedies with respect to violations of this part, or any regulation, order, license or other authorization issued under this part;

(2) the authority to compromise and settle administrative proceedings brought with respect to violations of this part, or any regulation, order, license, or other authorization issued under this part; or

(3) the authority to compromise, remit or mitigate seizures and forfeitures pursuant to section 1(b) of title VI of the Act of June 15, 1917 (22 U.S.C. 401(b)).

SEC. 1761. ENFORCEMENT.

(a) AUTHORITIES.—In order to enforce this part, the Secretary, on behalf of the President, may exercise, in addition to relevant enforcement authorities of other Federal agencies, the authority to—

(1) issue orders and guidelines;

(2) require, inspect, and obtain books, records, and any other information from any person subject to the provisions of this part;

(3) administer oaths or affirmations and by subpoena require any person to appear and testify or to appear and produce books, records, and other writings, or both;

(4) conduct investigations within the United States and outside the United States consistent with applicable law;

(5) inspect, search, detain, seize, or issue temporary denial orders with respect to items, in any form, that are subject to controls under this part, or conveyances on which it is believed that there are items that have been, are being, or are about to be exported, reexported, or in-country transferred in violation of this part, or any regulations, order, license, or other authorization issued thereunder;

(6) carry firearms;

(7) conduct prelicense inspections and post-shipment verifications; and

(8) execute warrants and make arrests.

(b) UNDERCOVER INVESTIGATIONS.—

(1) IN GENERAL.—Amounts made available to carry out this part may be used by the Secretary to carry out undercover investigations that are necessary for detection and prosecution of violations of this part, including to—

(A) purchase property, buildings, and other facilities, and to lease space, within the United States, the District of Columbia, and the territories and possessions of the United States without regard to—

(i) sections 1341 and 3324 of title 31, United States Code;

(ii) section 8141 of title 40, United States Code;

(iii) sections 3901, 6301(a) and (b)(1) to (3), and 6306 of title 41, United States Code; and

(iv) chapter 45 of title 41, United States Code; and

(B) establish or acquire proprietary corporations or business entities as part of the undercover operation and operate such corporations or business entities on a commercial basis, without regard to sections 9102 and 9103 of title 31, United States Code.

(2) DEPOSIT OF AMOUNTS IN BANKS OR OTHER FINANCIAL INSTITUTIONS.—Amounts made available to carry out this part that are used to carry out undercover operations under paragraph (1) may be deposited in banks or other financial institutions without regard to the provisions of section 648 of title 18, United States Code, and section 3302 of title 31, United States Code.

(3) OFFSET OF NECESSARY AND REASONABLE EXPENSES.—Any proceeds from an undercover operation carried out under paragraph (1) may be used to offset necessary and reasonable expenses incurred in such undercover operation without regard to the provisions of section 3302 of title 31, United States Code.

(4) DISPOSITION OF CORPORATIONS AND BUSINESS ENTITIES.—If a corporation or business entity established or acquired as part of an undercover operation carried out under paragraph (1) with a net value of over $50,000 is to be liquidated, sold, or otherwise disposed of, the Secretary shall report the circumstances to the Comptroller General of the United States as much in advance of such disposition as the Secretary determines is practicable. The proceeds of the liquidation, sale, or other disposition, after obligations are met, shall be deposited in the Treasury of the United States as miscellaneous receipts. Any property or equipment purchased pursuant to paragraph (1) may be retained for subsequent use in undercover operations under this section. When such property or equipment is no longer needed, it shall be considered surplus and disposed of as surplus government property.

(5) DEPOSIT OF PROCEEDS.—As soon as the proceeds from an undercover operation carried out under paragraph (1), with respect to which an action is certified and carried out under this subsection, are no longer needed for the conduct of such operation, the proceeds or the balance of such proceeds remaining at the time shall be deposited into the Treasury of the United States as miscellaneous receipts.

(c) ENFORCEMENT OF SUBPOENAS.—In the case of contumacy by, or refusal to obey a subpoena issued to, any person under subsection (a)(3), a district court of the United States, after notice to such person and a hearing, shall have jurisdiction to issue an order requiring such person to appear and give testimony or to appear and produce books, records, and other writings, regardless of format, that are the subject of the subpoena. Any failure to obey such order of the court may be punished by such court as a contempt thereof.

(d) BEST PRACTICE GUIDELINES.—

(1) IN GENERAL.—The Secretary, in consultation with the heads of other appropriate Federal agencies, should publish and update "best practices" guidelines to assist persons in developing and implementing, on a voluntary basis, effective export control programs in compliance with the regulations issued under this part.

(2) EXPORT COMPLIANCE PROGRAM.—The implementation by a person of an effective export compliance program and a high quality overall export compliance effort by a person should ordinarily be given weight as mitigating factors in a civil penalty action against the person under this part.

(e) REFERENCE TO ENFORCEMENT.—For purposes of this section, a reference to the enforcement of, or a violation of, this part includes a reference to the enforcement or a violation of any regulation, order, license or other authorization issued pursuant to this part.

(f) WIRETAPPING.—Section 2516(1) of title 18, United States Code, is amended—

(1) in subparagraph (s), by striking "or" at the end;

(2) by redesignating subparagraph (t) as subparagraph (u); and

(3) by inserting after subparagraph (s) (as amended by paragraph (1) of this subsection) the following new subparagraph:

"(t) any violation of the Export Control Reform Act of 2018; or".

(g) IMMUNITY.—A person shall not be excused from complying with any requirements under this section because of the person's privilege against self-incrimination, but the immunity provisions of section 6002 of title 18, United States Code, shall apply with respect to any individual who specifically claims such privilege.

(h) CONFIDENTIALITY OF INFORMATION.—

(1) EXEMPTIONS FROM DISCLOSURE.—

(A) IN GENERAL.—Information obtained under this part may be withheld from disclosure only to the extent permitted by statute, except that information described in subparagraph (B) shall be withheld from public disclosure and shall not be subject to disclosure under section 552(b)(3) of title 5, United States Code, unless the release of such information is determined by the Secretary to be in the national interest.

(B) INFORMATION DESCRIBED.—Information described in this subparagraph is information submitted or obtained in connection with an application for a license or other authorization to export, reexport, or in-country transfer items or engage in other activities, a recordkeeping or reporting requirement, an enforcement activity, or other operations under this part, including—

(i) the license application, license, or other authorization itself;

(ii) classification or advisory opinion requests, and the response thereto;

(iii) license determinations, and information pertaining thereto;

(iv) information or evidence obtained in the course of any investigation; and

(v) information obtained or furnished in connection with any international agreement, treaty, or other obligation.

(2) INFORMATION TO THE CONGRESS AND GAO.—

(A) IN GENERAL.—Nothing in this section shall be construed as authorizing the withholding of information from the Congress or from the Government Accountability Office.

(B) AVAILABILITY TO THE CONGRESS.—

(i) IN GENERAL.—Any information obtained at any time under any provision of the Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) (as in effect on the day before the date of the enactment of this Act and as continued in effect pursuant to the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.)), under the Export Administration Regulations, or under this part, including any report or license application required under any such provision, shall be made available to a committee or subcommittee of Congress

of appropriate jurisdiction, upon the request of the chairman or ranking minority member of such committee or subcommittee.

(ii) PROHIBITION ON FURTHER DISCLOSURE.—No such committee or subcommittee, or member thereof, may disclose any information made available under clause (i), that is submitted on a confidential basis unless the full committee determines that the withholding of that information is contrary to the national interest.

(C) AVAILABILITY TO GAO.—

(i) IN GENERAL.—Information described in clause (i) of subparagraph (B) shall be subject to the limitations contained in section 716 of title 31, United States Code.

(ii) PROHIBITION ON FURTHER DISCLOSURE.—An officer or employee of the Government Accountability Office may not disclose, except to the Congress in accordance with this paragraph, any such information that is submitted on a confidential basis or from which any individual can be identified.

(3) INFORMATION SHARING.—

(A) IN GENERAL.—Any Federal official described in section 1755(a) who obtains information that is relevant to the enforcement of this part, including information pertaining to any investigation, shall furnish such information to each appropriate department, agency, or office with enforcement responsibilities under this section to the extent consistent with the protection of intelligence, counterintelligence, and law enforcement sources, methods, and activities.

(B) EXCEPTIONS.—The provisions of this paragraph shall not apply to information subject to the restrictions set forth in section 9 of title 13, United States Code, and return information, as defined in subsection (b) of section 6103 of the Internal Revenue Code of 1986 (26 U.S.C. 6103(b)), may be disclosed only as authorized by that section.

(C) EXCHANGE OF INFORMATION.—The President shall ensure that the heads of departments, agencies, and offices with enforcement authorities under this part, consistent with protection of law enforcement and its sources and methods—

(i) exchange any licensing and enforcement information with one another that is necessary to facilitate enforcement efforts under this section; and

(ii) consult on a regular basis with one another and with the head of other departments, agencies, and offices that obtain information subject to this paragraph, in order to facilitate the exchange of such information.

(D) INFORMATION SHARING WITH FEDERAL AGENCIES.—Licensing or enforcement information obtained under this part may be shared with departments, agencies, and offices that do not have enforcement authorities under this part on a case-by-case basis.

(i) REPORTING REQUIREMENTS.—In the administration of this section, reporting requirements shall be designed to reduce the cost

of reporting, recordkeeping, and documentation to the extent consistent with effective enforcement and compilation of useful trade statistics. Reporting, recordkeeping, and documentation requirements shall be periodically reviewed and revised in the light of developments in the field of information technology.

(j) CIVIL FORFEITURE.—

(1) IN GENERAL.—Any property, real or personal, tangible or intangible, seized under subsection (a) by designated officers or employees shall be subject to forfeiture to the United States in accordance with applicable law.

(2) PROCEDURES.—Any seizure or forfeiture under this subsection shall be carried out in accordance with the procedures set forth in section 981 of title 18, United States Code.

(k) RULE OF CONSTRUCTION.—Nothing in this Act shall be construed to limit or otherwise affect the enforcement authorities of the Department of Homeland Security which may also complement those set forth herein.

SEC. 1762. ADMINISTRATIVE PROCEDURE.

(a) IN GENERAL.—Except as provided in section 1760(c)(2)or 1774(c), the functions exercised under this part shall not be subject to sections 551, 553 through 559, and 701 through 706 of title 5, United States Code.

(b) ADMINISTRATIVE LAW JUDGES.—

(1) IN GENERAL.—The Secretary may—

(A) appoint administrative law judges, consistent with the provisions of section 3105 of title 5, United States Code; and

(B) designate properly appointed administrative law judges from other Federal agencies who are provided to the Department of Commerce pursuant to a legally authorized interagency agreement.

(2) LIMITATION.—An administrative law judge appointed or designated by the Secretary under paragraph (1) may preside only over proceedings of the Department of Commerce.

(c) AMENDMENTS TO REGULATIONS.—The President shall notify in advance the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Foreign Affairs of the House of Representatives of any proposed amendments to the Export Administration Regulations with an explanation of the intent and rationale of such amendments.

SEC. 1763. REVIEW OF INTERAGENCY DISPUTE RESOLUTION PROCESS.

(a) IN GENERAL.—The President shall review and evaluate the interagency export license referral, review, and escalation processes for dual-use items and munitions under the licensing jurisdiction of the Department of Commerce or any other Federal agency, as appropriate, to determine whether current practices and procedures are consistent with established national security and foreign policy objectives.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the President shall submit to the appropriate congressional committees a report that contains the results of the review carried out under subsection (a).

(c) OPERATING COMMITTEE FOR EXPORT POLICY.—In any case in which the Operating Committee for Export Policy established by

Executive Order 12981 (December 5, 1991; relating to Administration of Export Controls) is meeting to conduct an interagency dispute resolution relating to applications for export licenses under the Export Administration Regulations, matters relating to jet engine hot section technology, commercial communication satellites, and emerging or foundational technology may be decided by majority vote.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives; and

(2) the Committee on Armed Services and the Committee on Banking, Housing, and Urban Affairs of the Senate.

SEC. 1764. CONSULTATION WITH OTHER AGENCIES ON COMMODITY CLASSIFICATION.

Notwithstanding any other provision of law, the Secretary shall consult with the Secretary of Defense, the Secretary of State, and the Secretary of Energy, as appropriate, regarding commodity classifications for any item the Secretary and the Secretary of Defense, the Secretary of State, and the Secretary of Energy identify and mutually determine is materially significant enough to warrant interagency consultation.

SEC. 1765. ANNUAL REPORT TO CONGRESS.

(a) IN GENERAL.—The Secretary shall submit to Congress, by December 31 of each year, a report on the implementation of this part during the preceding fiscal year. The report shall include a review of—

(1) the effect of controls imposed under this part on exports, reexports, and in-country transfers of items in addressing threats to the national security or foreign policy of the United States, including a description of licensing processing times;

(2) the impact of such controls on the scientific and technological leadership of the United States;

(3) the consistency with such controls of export controls imposed by other countries;

(4) efforts to provide exporters with compliance assistance, including specific actions to assist small- and medium-sized businesses;

(5) a summary of regulatory changes from the prior fiscal year;

(6) a summary of export enforcement actions, including of actions taken to implement end-use monitoring of dual-use, military, and other items subject to the Export Administration Regulations;

(7) a summary of approved license applications to proscribed persons;

(8) efforts undertaken within the previous year to comply with the requirements of section 1759, including any critical technologies identified under such section and how or whether such critical technologies were controlled for export; and

(9) a summary of industrial base assessments conducted during the previous year by the Department of Commerce, including with respect to counterfeit electronics, foundational

technologies, and other research and analysis of critical technologies and industrial capabilities of key defense-related sectors.

(b) FORM.—The report required under subsection (a) shall be submitted in unclassified form, but may contain a classified annex.

SEC. 1766. REPEAL.

(a) IN GENERAL.—The Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) (as continued in effect pursuant to the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.)) (other than sections 11A, 11B, and 11C of such Export Administration Act of 1979) is repealed.

(b) IMPLEMENTATION.—The President shall implement the amendment made by subsection (a) by exercising the authorities of the President under the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.).

SEC. 1767. EFFECT ON OTHER ACTS.

(a) IN GENERAL.—Except as otherwise provided in this part, nothing contained in this part shall be construed to modify, repeal, supersede, or otherwise affect the provisions of any other laws authorizing control over the export or reexport of any item.

(b) COORDINATION OF CONTROLS.—

(1) IN GENERAL.—The authority granted to the President under this part shall be exercised in such manner so as to achieve effective coordination with the authority exercised under section 38 of the Arms Export Control Act (22 U.S.C. 2778) and all other export control and sanctions authorities exercised by Federal departments and agencies, particularly the Department of State, the Department of the Treasury, and the Department of Energy.

(2) SENSE OF CONGRESS.—It is the sense of Congress that in order to achieve effective coordination described in paragraph (1), such Federal departments and agencies—

(A) should continuously work to create enforceable regulations with respect to the export, reexport, and in-country transfer by United States and foreign persons of commodities, software, technology, and services to various end uses and end users for foreign policy and national security reasons;

(B) should regularly work to reduce complexity in the system, including complexity caused merely by the existence of structural, definitional, and other non-policy based differences between and among different export control and sanctions systems; and

(C) should coordinate controls on items exported, reexported, or in-country transferred in connection with a foreign military sale under chapter 2 of the Arms Export Control Act (22 U.S.C. 2761 et seq.) or a commercial sale under section 38 of the Arms Export Control Act to reduce as much unnecessary administrative burden as possible that is a result of differences between the exercise of those two authorities.

(c) NONPROLIFERATION CONTROLS.—Nothing in this part shall be construed to supersede the procedures published by the President

pursuant to section 309(c) of the Nuclear Non-Proliferation Act of 1978.

SEC. 1768. TRANSITION PROVISIONS.

(a) IN GENERAL.—All delegations, rules, regulations, orders, determinations, licenses, or other forms of administrative action that have been made, issued, conducted, or allowed to become effective under the Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) (as in effect on the day before the date of the enactment of this Act and as continued in effect pursuant to the International Emergency Economic Powers Act (50 U.S.C. 1701 et seq.)), or the Export Administration Regulations, and are in effect as of the date of the enactment of this Act, shall continue in effect according to their terms until modified, superseded, set aside, or revoked under the authority of this part.

(b) ADMINISTRATIVE AND JUDICIAL PROCEEDINGS.—This part shall not affect any administrative or judicial proceedings commenced, or any applications for licenses made, under the Export Administration Act of 1979 (as in effect on the day before the date of the enactment of this Act and as continued in effect pursuant to the International Emergency Economic Powers Act), or the Export Administration Regulations.

(c) CERTAIN DETERMINATIONS AND REFERENCES.—

(1) STATE SPONSORS OF TERRORISM.—Any determination that was made under section 6(j) of the Export Administration Act of 1979 (as in effect on the day before the date of the enactment of this Act and as continued in effect pursuant to the International Emergency Economic Powers Act) shall continue in effect as if the determination had been made under section 1754(c).

(2) REFERENCE.—Any reference in any other provision of law to a country the government of which the Secretary of State has determined, for purposes of section 6(j) of the Export Administration Act of 1979 (as in effect on the day before the date of the enactment of this Act and as continued in effect pursuant to the International Emergency Economic Powers Act), is a government that has repeatedly provided support for acts of international terrorism shall be deemed to refer to a country the government of which the Secretary of State has determined, for purposes of section 1754(c), is a government that has repeatedly provided support for acts of international terrorism.

PART II—ANTI-BOYCOTT ACT OF 2018

SEC. 1771. SHORT TITLE.

This part may be cited as the "Anti-Boycott Act of 2018".

SEC. 1772. STATEMENT OF POLICY.

Congress declares it is the policy of the United States—

(1) to oppose restrictive trade practices or boycotts fostered or imposed by any foreign country against other countries friendly to the United States or against any United States person;

(2) to encourage and, in specified cases, require United States persons engaged in the export of goods or technology or other information to refuse to take actions, including furnishing

information or entering into or implementing agreements, which have the effect of furthering or supporting the restrictive trade practices or boycotts fostered or imposed by any foreign country against a country friendly to the United States or any United States person; and

(3) to foster international cooperation and the development of international rules and institutions to assure reasonable access to world supplies.

SEC. 1773. FOREIGN BOYCOTTS.

(a) PROHIBITIONS AND EXCEPTIONS.—

(1) PROHIBITIONS.—For the purpose of implementing the policies set forth in section 1772, the President shall issue regulations prohibiting any United States person, with respect to that person's activities in the interstate or foreign commerce of the United States, from taking or knowingly agreeing to take any of the following actions with intent to comply with, further, or support any boycott fostered or imposed by any foreign country, against a country which is friendly to the United States and which is not itself the object of any form of boycott pursuant to United States law or regulation:

(A) Refusing, or requiring any other person to refuse, to do business with or in the boycotted country, with any business concern organized under the laws of the boycotted country, with any national or resident of the boycotted country, or with any other person, pursuant to an agreement with, a requirement of, or a request from or on behalf of the boycotting country. The mere absence of a business relationship with or in the boycotted country with any business concern organized under the laws of the boycotted country, with any national or resident of the boycotted country, or with any other person, does not indicate the existence of the intent required to establish a violation of regulations issued to carry out this subparagraph.

(B) Refusing, or requiring any other person to refuse, to employ or otherwise discriminating against any United States person on the basis of race, religion, sex, or national origin of that person or of any owner, officer, director, or employee of such person.

(C) Furnishing information with respect to the race, religion, sex, or national origin of any United States person or of any owner, officer, director, or employee of such person.

(D) Furnishing information about whether any person has, has had, or proposes to have any business relationship (including a relationship by way of sale, purchase, legal or commercial representation, shipping or other transport, insurance, investment, or supply) with or in the boycotted country, with any business concern organized under the laws of the boycotted country, with any national or resident of the boycotted country, or with any other person which is known or believed to be restricted from having any business relationship with or in the boycotting country. Nothing in this subparagraph shall prohibit the furnishing of normal business information in a commercial context as defined by the Secretary.

(E) Furnishing information about whether any person is a member of, has made contributions to, or is otherwise associated with or involved in the activities of any charitable or fraternal organization which supports the boycotted country.

(F) Paying, honoring, confirming, or otherwise implementing a letter of credit which contains any condition or requirement compliance with which is prohibited by regulations issued pursuant to this paragraph, and no United States person shall, as a result of the application of this paragraph, be obligated to pay or otherwise honor or implement such letter of credit.

(2) EXCEPTIONS.—Regulations issued pursuant to paragraph (1) shall provide exceptions for—

(A) complying or agreeing to comply with requirements—

(i) prohibiting the import of goods or services from the boycotted country or goods produced or services provided by any business concern organized under the laws of the boycotted country or by nationals or residents of the boycotted country; or

(ii) prohibiting the shipment of goods to the boycotting country on a carrier of the boycotted country, or by a route other than that prescribed by the boycotting country or the recipient of the shipment;

(B) complying or agreeing to comply with import and shipping document requirements with respect to the country of origin, the name of the carrier and route of shipment, the name of the supplier of the shipment or the name of the provider of other services, except that no information knowingly furnished or conveyed in response to such requirements may be stated in negative, blacklisting, or similar exclusionary terms, other than with respect to carriers or route of shipment as may be permitted by such regulations in order to comply with precautionary requirements protecting against war risks and confiscation;

(C) complying or agreeing to comply in the normal course of business with the unilateral and specific selection by a boycotting country, or national or resident thereof, of carriers, insurers, suppliers of services to be performed within the boycotting country or specific goods which, in the normal course of business, are identifiable by source when imported into the boycotting country;

(D) complying or agreeing to comply with export requirements of the boycotting country relating to shipments or transshipments of exports to the boycotted country, to any business concern of or organized under the laws of the boycotted country, or to any national or resident of the boycotted country;

(E) compliance by an individual or agreement by an individual to comply with the immigration or passport requirements of any country with respect to such individual or any member of such individual's family or with requests for information regarding requirements of employment of such individual within the boycotting country; and

(F) compliance by a United States person resident in a foreign country or agreement by such person to comply with the laws of that country with respect to his activities exclusively therein, and such regulations may contain exceptions for such resident complying with the laws or regulations of that foreign country governing imports into such country of trademarked, trade named, or similarly specifically identifiable products, or components of products for his own use, including the performance of contractual services within that country, as may be defined by such regulations.

(3) SPECIAL RULES.—Regulations issued pursuant to paragraphs (2)(C) and (2)(F) shall not provide exceptions from paragraphs (1)(B) and (1)(C).

(4) RULE OF CONSTRUCTION.—Nothing in this subsection may be construed to supersede or limit the operation of the antitrust or civil rights laws of the United States.

(5) APPLICATION.—This section shall apply to any transaction or activity undertaken, by or through a United States person or any other person, with intent to evade the provisions of this section as implemented by the regulations issued pursuant to this subsection, and such regulations shall expressly provide that the exceptions set forth in paragraph (2) shall not permit activities or agreements (expressed or implied by a course of conduct, including a pattern of responses) otherwise prohibited, which are not within the intent of such exceptions.

(b) FOREIGN POLICY CONTROLS.—

(1) IN GENERAL.—In addition to the regulations issued pursuant to subsection (a), regulations issued under part I to carry out the policies set forth in section 1752(1)(D) shall implement the policies set forth in this section.

(2) REQUIREMENTS.—Such regulations shall require that any United States person receiving a request for the furnishing of information, the entering into or implementing of agreements, or the taking of any other action referred to in subsection (a) shall report that fact to the Secretary, together with such other information concerning such request as the Secretary may require for such action as the Secretary considers appropriate for carrying out the policies of that section. Such person shall also report to the Secretary whether such person intends to comply and whether such person has complied with such request. Any report filed pursuant to this paragraph shall be made available promptly for public inspection and copying, except that information regarding the quantity, description, and value of any goods or technology to which such report relates may be kept confidential if the Secretary determines that disclosure thereof would place the United States person involved at a competitive disadvantage. The Secretary shall periodically transmit summaries of the information contained in such reports to the Secretary of State for such action as the Secretary of State, in consultation with the Secretary, considers appropriate for carrying out the policies set forth in section 1772.

(c) PREEMPTION.—The provisions of this section and the regulations issued pursuant thereto shall preempt any law, rule, or regulation of any of the several States or the District of Columbia, or any of the territories or possessions of the United States, or of any gov-

ernmental subdivision thereof, which law, rule, or regulation pertains to participation in, compliance with, implementation of, or the furnishing of information regarding restrictive trade practices or boycotts fostered or imposed by foreign countries against other countries friendly to the United States.

SEC. 1774. ENFORCEMENT.

(a) CRIMINAL PENALTY.—A person who willfully commits, willfully attempts to commit, or willfully conspires to commit, or aids or abets in the commission of, an unlawful act section 1773—

(1) shall, upon conviction, be fined not more than $1,000,000; or

(2) if a natural person, may be imprisoned for not more than 20 years, or both.

(b) CIVIL PENALTIES.—The President may impose the following civil penalties on a person who violates section 1773 or any regulation issued under this part:

(1) A fine of not more than $300,000 or an amount that is twice the value of the transaction that is the basis of the violation with respect to which the penalty is imposed, whichever is greater.

(2) Revocation of a license issued under part I to the person.

(3) A prohibition on the person's ability to export, reexport, or in-country transfer any items controlled under part I.

(c) PROCEDURES.—Any civil penalty or administrative sanction (including any suspension or revocation of authority to export) under this section may be imposed only after notice and opportunity for an agency hearing on the record in accordance with sections 554 through 557 of title 5, United States Code, and shall be subject to judicial review in accordance with chapter 7 of such title.

(d) STANDARDS FOR LEVELS OF CIVIL PENALTY.—The President may by regulation provide standards for establishing levels of civil penalty under this section based upon factors such as the seriousness of the violation, the culpability of the violator, and the violator's record of cooperation with the Government in disclosing the violation.

PART III—ADMINISTRATIVE AUTHORITIES

SEC. 1781. UNDER SECRETARY OF COMMERCE FOR INDUSTRY AND SECURITY.

(a) IN GENERAL.—On and after the date of the enactment of this Act, any reference in any law or regulation to the Under Secretary of Commerce for Export Administration shall be deemed to be a reference to the Under Secretary of Commerce for Industry and Security.

(b) TITLE 5.—Section 5314 of title 5, United States Code, is amended by striking "Under Secretary of Commerce for Export Administration" and inserting "Under Secretary of Commerce for Industry and Security".

(c) CONTINUATION IN OFFICE.—The individual serving as Under Secretary of Commerce for Export Administration on the day before the date of the enactment of this Act may serve as the Under Secretary of Commerce for Industry and Security on and after that date without the need for renomination or reappointment.

Subtitle C—Miscellaneous

SEC. 1791. EXTENSION OF AUTHORITY.

Section 717(a) of the Defense Production Act of 1950 (50 U.S.C. 4564(a)) is amended by striking "September 30, 2019" and inserting "September 30, 2025".

SEC. 1792. LIMITATION ON CANCELLATION OF DESIGNATION OF SECRETARY OF THE AIR FORCE AS DEPARTMENT OF DEFENSE EXECUTIVE AGENT FOR A CERTAIN DEFENSE PRODUCTION ACT PROGRAM.

(a) LIMITATION ON CANCELLATION OF DESIGNATION.—The Secretary of Defense may not implement the decision, issued on July 1, 2017, to cancel the designation, under Department of Defense Directive 4400.01E, entitled "Defense Production Act Programs" and dated October 12, 2001, of the Secretary of the Air Force as the Department of Defense Executive Agent for the program carried out under title III of the Defense Production Act of 1950 (50 U.S.C. 4531 et seq.) until the date specified in subsection (c).

(b) DESIGNATION.—The Secretary of the Air Force shall continue to serve as the sole and exclusive Department of Defense Executive Agent for the program described in subsection (a) until the date specified in subsection (c).

(c) DATE SPECIFIED.—The date specified in this subsection is the date of the enactment of a joint resolution or an Act approving the implementation of the decision described in subsection (a).

SEC. 1793. REVIEW OF AND REPORT ON CERTAIN DEFENSE TECHNOLOGIES CRITICAL TO THE UNITED STATES MAINTAINING SUPERIOR MILITARY CAPABILITIES.

(a) REVIEW REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense and the Director of National Intelligence, in consultation with the Air Force Research Laboratory, the Defense Advanced Projects Research Agency, and such other appropriate research entities as the Secretary and the Director may identify, shall—

(1) jointly carry out and complete a review of key national security technology capability advantages, competitions, and gaps between the United States and "near peer" nations;

(2) develop a definition of "near peer nation" for purposes of paragraph (1); and

(3) submit to the appropriate congressional committees a report on the findings of the Secretary and the Director with respect to the review conducted under paragraph (1).

(b) ELEMENTS.—The review conducted under paragraph (1) of subsection (a), and the report required by paragraph (3) of that subsection, shall identify, at a minimum, the following:

(1) Key United States industries and research and development activities expected to be critical to maintaining a national security technology capability if, during the 5-year period beginning on the date of the enactment of this Act, the Secretary and the Director anticipate that—

(A) a United States industrial base shortfall will exist; and

(B) United States industry will be unable to or otherwise will not provide the needed capacity in a timely manner without financial assistance from the United States Government through existing statutory authorities specifi-

cally intended for that purpose, including assistance provided under title III of the Defense Production Act of 1950 (50 U.S.C. 4531 et seq.) and other appropriate authorities.

(2) Key areas in which the United States currently enjoys a technological advantage.

(3) Key areas in which the United States no longer enjoys a technological advantage.

(4) Sectors of the defense industrial base in which the United States lacks adequate productive capacity to meet critical national defense needs.

(5) Priority areas for which appropriate statutory industrial base incentives should be applied as the most cost-effective, expedient, and practical alternative for meeting the technology or defense industrial base needs identified under this subsection, including—

(A) sustainment of critical production and supply chain capabilities;

(B) commercialization of research and development investments;

(C) scaling of emerging technologies; and

(D) other areas as determined by the Secretary and the Director.

(6) Priority funding recommendations with respect to key areas that the Secretary, in consultation with the Director, determines are—

(A) critical to the United States maintaining superior military capabilities, especially with respect to potential peer and near peer military or economic competitors, during the 5-year period beginning on the date of the enactment of this Act; and

(B) suitable for long-term investment from funds made available under title III of the Defense Production Act of 1950 and other appropriate statutory authorities.

(c) FORM OF REPORT.—The report required by subsection (a)(3) shall be submitted in unclassified form, but may include a classified annex.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the Committee on Banking, Housing and Urban Affairs, the Committee on Armed Services, and the Select Committee on Intelligence of the Senate; and

(2) the Committee on Financial Services, the Committee on Armed Services, and the Permanent Select Committee on Intelligence of the House of Representatives.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

SEC. 2001. SHORT TITLE.

This division may be cited as the "Military Construction Authorization Act for Fiscal Year 2019".

SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND AMOUNTS REQUIRED TO BE SPECIFIED BY LAW.

(a) EXPIRATION OF AUTHORIZATIONS AFTER FIVE YEARS.—Except as provided in subsection (b), all authorizations contained in titles XXI through XXVII and title XXIX for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program (and authorizations of appropriations therefor) shall expire on the later of—

(1) October 1, 2023; or

(2) the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024.

(b) EXCEPTION.—Subsection (a) shall not apply to authorizations for military construction projects, land acquisition, family housing projects and facilities, and contributions to the North Atlantic Treaty Organization Security Investment Program (and authorizations of appropriations therefor), for which appropriated funds have been obligated before the later of—

(1) October 1, 2023; or

(2) the date of the enactment of an Act authorizing funds for fiscal year 2024 for military construction projects, land acquisition, family housing projects and facilities, or contributions to the North Atlantic Treaty Organization Security Investment Program.

SEC. 2003. EFFECTIVE DATE.

Titles XXI through XXVII and title XXIX shall take effect on the later of—

(1) October 1, 2018; or

(2) the date of the enactment of this Act.

TITLE XXI—ARMY MILITARY CONSTRUCTION

Sec. 2101. Authorized Army construction and land acquisition projects.
Sec. 2102. Family housing.
Sec. 2103. Authorization of appropriations, Army.
Sec. 2104. Extension of authorizations of certain fiscal year 2015 projects.
Sec. 2105. Extension of authorizations of certain fiscal year 2016 project.

SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

Army: Inside the United States

State	Installation	Amount
Alabama	Anniston Army Depot	$5,200,000
California	Fort Irwin	$29,000,000
Colorado	Fort Carson	$77,000,000
Georgia	Fort Gordon	$99,000,000
Hawaii	Wheeler Army Airfield	$50,000,000
Indiana	Crane Army Ammunition Plant	$16,000,000
Kentucky	Fort Campbell	$50,000,000
	Fort Knox	$26,000,000

***Army: Inside the United States**—Continued*

State	Installation	Amount
Maryland	*Fort Meade*	*$16,500,000*
New Jersey	*Picatinny Arsenal*	*$41,000,000*
New Mexico	*White Sands Missile Range*	*$40,000,000*
New York	*U.S. Military Academy*	*$160,000,000*
North Carolina	*Fort Bragg*	*$10,000,000*
South Carolina	*Fort Jackson*	*$52,000,000*
Texas	*Fort Bliss*	*$24,000,000*
	Fort Hood	*$9,600,000*

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out the military construction project for the installations or locations outside the United States, and in the amount, set forth in the following table:

Army: Outside the United States

Country	Installation	Amount
Germany	*East Camp Grafenwoehr*	*$31,000,000*
Honduras	*Soto Cano Air Base*	*$21,000,000*
Korea	*Camp Tango*	*$17,500,000*
Kuwait	*Camp Arifjan*	*$44,000,000*

SEC. 2102. FAMILY HOUSING.

(a) CONSTRUCTION AND ACQUISITION.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may construct or acquire family housing units (including land acquisition and supporting facilities) at the installations or locations, in the number of units, and in the amounts set forth in the following table:

Army: Family Housing

State/Country	Installation	Units	Amount
Puerto Rico	*Fort Buchanan*	*Family Housing Replacement Construction*	*$26,000,000*
Wisconsin	*Fort McCoy*	*Family Housing New Construction*	*$6,200,000*
Italy	*Vicenza*	*Family Housing New Construction*	*$95,134,000*
Korea	*Camp Walker*	*Family Housing Replacement Construction*	*$68,000,000*

(b) PLANNING AND DESIGN.—Using amounts appropriated pursuant to the authorization of appropriations in section 2103(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Army may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $18,326,000.

SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for military construction, land acquisition, and military family housing functions of the Department of the Army as specified in the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION PROJECTS.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2101 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

SEC. 2104. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorizations set forth in the table in subsection (b), as provided in section 2101 of that Act (128 Stat. 3670), shall remain in effect until October 1, 2019, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2020, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

Army: Extension of 2015 Project Authorization

State/Country	Installation	Project	Amount
California	Military Ocean Terminal, Concord.	Access Control Point	$9,900,000
Japan	Kadena Air Base	Missile Magazine	$10,600,000

SEC. 2105. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2016 PROJECT.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1145) the authorization set forth in the table in subsection (b), as provided in section 2101 of that Act (129 Stat. 1146), shall remain in effect until October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

Army: Extension of 2016 Project Authorization

Virginia	Arlington National Cemetery (DAR)	$60,000,000

TITLE XXII—NAVY MILITARY CONSTRUCTION

Sec. 2201. Authorized Navy construction and land acquisition projects.
Sec. 2202. Family housing.
Sec. 2203. Improvements to military family housing units.
Sec. 2204. Authorization of appropriations, Navy.

SEC. 2201. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

Navy: Inside the United States

State	Installation or Location	Amount
Arizona	Camp Navajo	$14,800,000
California	Marine Corps Base Camp Pendleton	$127,930,000
	Marine Corps Air Station Miramar	$31,980,000
	Naval Air Station Lemoore	$127,590,000
	Naval Base Coronado	$77,780,000
	Naval Base San Diego	$176,040,000
	Naval Base Ventura	$53,160,000
	Naval Weapons Station Seal Beach	$139,630,000
District of Columbia	Naval Observatory	$115,600,000
Florida	Naval Air Station Whiting Field	$10,000,000
	Naval Station Mayport	$111,460,000
Georgia	Marine Corps Logistics Base Albany	$31,900,000
Guam	Joint Region Marianas	$279,657,000
	Naval Base Guam	$75,600,000
Hawaii	Joint Base Pearl Harbor-Hickam	$123,320,000
	Marine Corps Base Hawaii	$66,100,000
Maine	Portsmouth Naval Yard	$149,685,000
Mississippi	Naval Construction Battalion Center	$22,300,000
North Carolina	Marine Corps Base Camp Lejeune	$51,300,000
	Marine Corps Air Station Cherry Point	$240,830,000
Pennsylvania	Naval Support Activity Philadelphia	$71,050,000
South Carolina	Marine Corps Air Station Beaufort	$15,817,000
	Marine Corps Recruit Depot, Parris Island	$35,190,000
Utah	Hill Air Force Base	$105,520,000
Virginia	Marine Corps Base Quantico	$13,100,000
	Portsmouth	$26,120,000
Washington	Bangor	$88,960,000
	Naval Air Station Whidbey Island	$27,380,000

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the installation or location outside the United States, and in the amounts, set forth in the following table:

Navy: Outside the United States

Country	Installation or Location	Amount
Bahamas	Andros Island	$31,050,000
Bahrain	SW Asia	$26,340,000
Cuba	Naval Station Guantanamo Bay	$104,700,000
Germany	Panzer Kaserne	$43,950,000
Japan	Kadena Air Base	$9,049,000

SEC. 2202. FAMILY HOUSING.

(a) CONSTRUCTION AND ACQUISITION.—Using amounts appropriated pursuant to the authorization of appropriations in section

2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may construct or acquire family housing units (including land acquisition and supporting facilities) at the installations or locations, in the number of units, and in the amounts set forth in the following table:

Navy: Family Housing

Country	*Installation*	*Units*	*Amount*
Guam	*Joint Region Marianas*	*Replace Andersen Housing PH III*	*$83,441,000*

(b) PLANNING AND DESIGN.—Using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of family housing units in an amount not to exceed $4,502,000.

SEC. 2203. IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2204(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Navy may improve existing military family housing units in an amount not to exceed $16,638,000.

SEC. 2204. AUTHORIZATION OF APPROPRIATIONS, NAVY.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for military construction, land acquisition, and military family housing functions of the Department of the Navy, as specified in the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION PROJECTS.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2201 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

TITLE XXIII—AIR FORCE MILITARY CONSTRUCTION

Sec. 2301. Authorized Air Force construction and land acquisition projects.
Sec. 2302. Family housing.
Sec. 2303. Improvements to military family housing units.
Sec. 2304. Authorization of appropriations, Air Force.
Sec. 2305. Modification of authority to carry out certain phased project authorized in fiscal years 2015, 2016, and 2017.
Sec. 2306. Modification of authority to carry out certain fiscal year 2017 project.
Sec. 2307. Modification of authority to carry out certain fiscal year 2018 project.
Sec. 2308. Additional authority to carry out certain fiscal year 2019 projects.
Sec. 2309. Additional authority to carry out project at Travis Air Force Base, California, in fiscal year 2019.

SEC. 2301. AUTHORIZED AIR FORCE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

Air Force: Inside the United States

State	Installation or Location	Amount
Alaska	Eielson Air Force Base	$63,800,000
Arizona	Davis-Monthan Air Force Base	$15,000,000
	Luke Air Force Base	$40,000,000
Florida	Eglin Air Force Base	$62,863,000
	MacDill Air Force Base	$3,100,000
	Patrick Air Force Base	$9,000,000
Guam	Joint Region Marianas	$9,800,000
Louisiana	Barksdale Air Force Base	$12,250,000
Mariana Islands	Tinian	$50,700,000
Maryland	Joint Base Andrews	$58,000,000
Massachusetts	Hanscom Air Force Base	$225,000,000
Nebraska	Offutt Air Force Base	$9,500,000
Nevada	Creech Air Force Base	$59,000,000
	Nellis Air Force Base	$5,900,000
New Mexico	Holloman Air Force Base	$85,000,000
	Kirtland Air Force Base	$7,000,000
New York	Rome Lab	$14,200,000
North Dakota	Minot Air Force Base	$66,000,000
Ohio	Wright-Patterson Air Force Base	$182,000,000
Oklahoma	Altus Air Force Base	$12,000,000
	Tinker Air Force Base	$166,000,000
South Carolina	Shaw Air Force Base	$53,000,000
Utah	Hill Air Force Base	$26,000,000
Washington	Fairchild-White Bluff	$14,000,000

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the installation or location outside the United States, and in the amount, set forth in the following table:

Air Force: Outside the United States

Country	Installation or Location	Amount
United Kingdom	Royal Air Force Lakenheath	$148,467,000
Worldwide Classified	Classified Location	$18,000,000

SEC. 2302. FAMILY HOUSING.

Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to

the construction or improvement of family housing units in an amount not to exceed $3,199,000.

SEC. 2303. IMPROVEMENTS TO MILITARY FAMILY HOUSING UNITS.

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a) and available for military family housing functions as specified in the funding table in section 4601, the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed $75,247,000.

SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for military construction, land acquisition, and military family housing functions of the Department of the Air Force, as specified in the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION PROJECTS.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2301 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

SEC. 2305. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN PHASED PROJECT AUTHORIZED IN FISCAL YEARS 2015, 2016, AND 2017.

In the case of the authorization contained in the table in section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3679) for Royal Air Force Croughton, for JIAC Consolidation Phase 1, the authorization contained in the table in section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1153) for Croughton Royal Air Force, for JIAC Consolidation Phase 2, and the authorization contained in the table in section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2697) for Royal Air Force Croughton, for JIAC Consolidation Phase 3, the location shall be United Kingdom, Unspecified.

SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2017 PROJECT.

In the case of the authorization contained in the table in section 2301(a) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328; 130 Stat. 2696) for Joint Base San Antonio, Texas, for construction of a basic military training recruit dormitory, the Secretary of the Air Force may construct a 26,537 square meter dormitory in the amount of $92,300,000.

SEC. 2307. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECT.

In the case of the authorization contained in the table in section 2301(a) of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1825) for the United States Air Force Academy, Colorado, for construction of a cyberworks facility, the Secretary of the Air Force may construct a facility of up to 4,462 square meters that includes two real property

gifts of construction of 929 and 465 square meters if such gift is accepted by the Secretary in accordance with section 2601 of title 10, United States Code.

SEC. 2308. ADDITIONAL AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2019 PROJECTS.

(a) PROJECT AUTHORIZATIONS.—The Secretary of the Air Force may carry out military construction projects to construct—

(1) a 6,702 square meter Joint Simulation Environment Facility at Edwards Air Force Base, California, in the amount of $43,000,000;

(2) a 4,833 square meter Cyberspace Test Facility at Eglin Air Force Base, Florida, in the amount of $38,000,000; and

(3) a 4,735 square meter Joint Simulation Environment Facility at Nellis Air Force Base, Nevada, in the amount of $30,000,000.

(b) USE OF RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FUNDS.—As provided for in the Defense Laboratory Modernization Pilot Program authorized by section 2803 of the Military Construction Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1169), the Secretary may use funds available for research, development, test, and evaluation for the projects described in subsection (a).

SEC. 2309. ADDITIONAL AUTHORITY TO CARRY OUT PROJECT AT TRAVIS AIR FORCE BASE, CALIFORNIA, IN FISCAL YEAR 2019.

The Secretary of the Air Force may carry out a military construction project to construct a 150,000 square foot high-bay air cargo pallet storage and marshaling enclosure integral to installation of a mechanized material handling system at Travis Air Force Base, California, in the amount of $35,000,000.

TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION

Sec. 2401. Authorized defense agencies construction and land acquisition projects.
Sec. 2402. Authorized energy conservation projects.
Sec. 2403. Authorization of appropriations, defense agencies.
Sec. 2404. Extension of authorizations of certain fiscal year 2015 projects.
Sec. 2405. Authorization of certain fiscal year 2018 project.

SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECTS.

(a) INSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects inside the United States as specified in the funding table in section 4601, the Secretary of Defense may acquire real property and carry out military construction projects for the installations or locations inside the United States, and in the amounts, set forth in the following table:

Defense Agencies: Inside the United States

State	*Installation or Location*	*Amount*
Alaska	*Clear Air Force Station*	*$174,000,000*
	Fort Greely	*$8,000,000*
	Joint Base Elmendorf-Richardson	*$14,000,000*
Arkansas	*Little Rock Air Force Base*	*$14,000,000*
California	*Marine Corps Base Camp Pendleton*	*$12,596,000*
	Defense Distribution Depot-Tracy	*$18,800,000*

***Defense Agencies: Inside the United States**—Continued*

State	Installation or Location	Amount
	Naval Base Coronado	$71,088,000
Colorado	Fort Carson	$24,297,000
Conus Classified	Classified Location	$49,222,000
Kentucky	Fort Campbell	$82,298,000
Maine	Kittery	$11,600,000
Maryland	Fort Meade	$805,000,000
Missouri	St. Louis	$447,800,000
New Jersey	Joint Base McGuire-Dix-Lakehurst	$10,200,000
North Carolina	Fort Bragg	$32,366,000
	Marine Corps Air Station New River	$32,580,000
Oklahoma	McAlester	$7,000,000
Texas	Joint Base San Antonio	$10,200,000
	Red River Army Depot	$71,500,000
Virginia	Fort A.P. Hill	$11,734,000
	Fort Belvoir	$6,127,000
	Humphreys Engineer Center	$20,257,000
	Joint Base Langley-Eustis	$12,700,000
	Pentagon	$35,850,000
	Training Center Dam Neck	$8,959,000
Washington	Joint Base Lewis-McChord	$26,200,000

(b) OUTSIDE THE UNITED STATES.—Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for military construction projects outside the United States as specified in the funding table in section 4601, the Secretary of Defense may acquire real property and carry out military construction projects for the installations or locations outside the United States, and in the amounts, set forth in the following table:

Defense Agencies: Outside the United States

Country	Installation or Location	Amount
Belgium	Chievres Air Base	$14,305,000
Germany	Baumholder	$11,504,000
	Kaiserslautern Air Base	$99,955,000
	Wiesbaden	$56,048,000
Cuba	Naval Station Guantanamo Bay	$9,080,000
Japan	Camp McTureous	$94,851,000
	Iwakuni	$33,200,000
	Kadena Air Base	$21,400,000
	Yokosuka	$170,386,000

SEC. 2402. AUTHORIZED ENERGY CONSERVATION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2403(a) and available for energy conservation projects as specified in the funding table in section 4601, the Secretary of Defense may carry out energy conservation projects under chapter 173 of title 10, United States Code.

SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DEFENSE AGENCIES.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for military construction, land acquisition, and military family housing functions of the Department of Defense (other than the military departments), as specified in the funding table in section 4601.

(b) LIMITATION ON TOTAL COST OF CONSTRUCTION PROJECTS.—Notwithstanding the cost variations authorized by section 2853 of title 10, United States Code, and any other cost variation authorized by law, the total cost of all projects carried out under section 2401 of this Act may not exceed the total amount authorized to be appropriated under subsection (a), as specified in the funding table in section 4601.

SEC. 2404. EXTENSION OF AUTHORIZATIONS OF CERTAIN FISCAL YEAR 2015 PROJECTS.

(a) EXTENSION.—Notwithstanding section 2002 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3669), the authorizations set forth in the table in subsection (b), as provided in section 2401 of that Act (128 Stat. 3681) and as amended by section 2406 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1831), shall remain in effect until October 1, 2019, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2020, whichever is later.

(b) TABLE.—The table referred to in subsection (a) is as follows:

Defense Agencies: Extension of 2015 Project Authorizations

State/Country	Installation or Location	Project	Amount
Japan	Commander Fleet Activities Sasebo	E.J. King High School Replacement/Renovation	$37,681,000
Japan	Okinawa	Kubasaki High School Replacement/Renovation	$99,420,000
New Mexico	Cannon AFB	SOF Squadron Operations Facility (STS)	$23,333,000
Virginia	Pentagon	Redundant Chilled Water Loop	$15,100,000

SEC. 2405. AUTHORIZATION OF CERTAIN FISCAL YEAR 2018 PROJECT.

The table in section 2401(a) of the National Defense Authorization Act for Fiscal Year 2018 (division B of Public Law 105–91) is amended by inserting after the item relating to South Carolina the following new item:

Texas	Fort Bliss Blood Processing Center	$8,300,000

TITLE XXV—INTERNATIONAL PROGRAMS

Subtitle A—North Atlantic Treaty Organization Security Investment Program

Subtitle A—North Atlantic Treaty Organization Security Investment Program

Sec. 2501. Authorized NATO construction and land acquisition projects.
Sec. 2502. Authorization of appropriations, NATO.

Subtitle B—Host Country In-kind Contributions

Sec. 2511. Republic of Korea funded construction projects.

SEC. 2501. AUTHORIZED NATO CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of Defense may make contributions for the North Atlantic Treaty Organization Security Investment Program as provided in section 2806 of title 10, United States Code, in an amount not to exceed the sum of the amount authorized to be appropriated for this purpose in section 2502 and the amount collected from the North Atlantic Treaty Organization as a result of construction previously financed by the United States.

SEC. 2502. AUTHORIZATION OF APPROPRIATIONS, NATO.

(a) AUTHORIZATION.—Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for contributions by the Secretary of Defense under section 2806 of title 10, United States Code, for the share of the United States of the cost of projects for the North Atlantic Treaty Organization Security Investment Program authorized by section 2501 as specified in the funding table in section 4601. When the United States is designated as the Host Nation for the purposes of executing a project under the NATO Security Investment Program (NSIP), the Department of Defense construction agent may recognize the NATO project authorization amounts as budgetary resources to incur obligations for the purposes of executing the NSIP project.

(b) AUTHORITY TO RECOGNIZE NATO AUTHORIZATION AMOUNTS AS BUDGETARY RESOURCES FOR PROJECT EXECUTION.—When the United States is designated as the Host Nation for the purposes of executing a project under the NATO Security Investment Program (NSIP), the Department of Defense construction agent may recognize the NATO project authorization amounts as budgetary resources to incur obligations for the purposes of executing the NSIP project.

Subtitle B—Host Country In-kind Contributions

SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION PROJECTS.

Pursuant to agreement with the Republic of Korea for required in-kind contributions, the Secretary of Defense may accept military construction projects for the installations or locations, and in the amounts, set forth in the following table:

Republic of Korea Funded Construction Projects

Country	*Component*	*Installation or Location*	*Project*	*Amount*
Korea	*Army*	*Camp Carroll*	*Upgrade Electrical Distribution, Phase 2*	*$52,000,000*
	Army	*Camp Humphreys*	*Site Development*	*$7,800,000*
	Army	*Camp Humphreys*	*Air Support Operations Squadron*	*$25,000,000*
	Army	*Camp Humphreys*	*Unaccompanied Enlisted Personnel Housing, P2*	*$76,000,000*
	Army	*Camp Humphreys*	*Echelon Above Brigade Engineer Battalion, VMF*	*$123,000,000*
	Army	*Camp Walker*	*Repair / Replace Sewer Piping System*	*$8,000,000*
	Navy	*Chinhae*	*Indoor Training Pool*	*$7,400,000*

***Republic of Korea Funded Construction Projects**—Continued*

Country	*Component*	*Installation or Location*	*Project*	*Amount*
	Navy	*Pohang Air Base*	*Replace Ordnance Storage Magazines*	*$87,000,000*
	Air Force	*Gimhae Air Base*	*Airfield Damage Repair Warehouse*	*$7,600,000*
	Air Force	*Gwangju Air Base*	*Airfield Damage Repair Warehouse*	*$7,600,000*
	Air Force	*Kunsan Air Base*	*Explosive Ordnance Disposal Facility*	*$8,000,000*
	Air Force	*Kunsan Air Base*	*Upgrade Flow- Through Fuel System*	*$23,000,000*
	Air Force	*Osan Air Base*	*5th Recon-naissance Squadron Aircraft Shelter*	*$12,000,000*
	Air Force	*Osan Air Base*	*Airfield Damage Repair Facility*	*$22,000,000*
	Air Force	*Osan Air Base*	*Commun-ications HQ Building*	*$45,000,000*
	Air Force	*Suwon Air Base*	*Airfield Damage Repair Warehouse*	*$7,200,000*

TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES

Subtitle A—Project Authorizations and Authorization of Appropriations

Subtitle A—Project Authorizations and Authorization of Appropriations

Sec. 2601 . Authorized Army National Guard construction and land acquisition projects.
Sec. 2602. Authorized Army Reserve construction and land acquisition projects.
Sec. 2603. Authorized Navy Reserve and Marine Corps Reserve construction and land acquisition projects.
Sec. 2604. Authorized Air National Guard construction and land acquisition projects.
Sec. 2605. Authorized Air Force Reserve construction and land acquisition projects.
Sec. 2606. Authorization of appropriations, National Guard and Reserve.

Subtitle B—Other Matters

Sec. 2611. Modification of authority to carry out certain fiscal year 2016 project.
Sec. 2612. Modification of authority to carry out certain fiscal year 2018 project.
Sec. 2613. Additional authority to carry out certain fiscal year 2019 project.

SEC. 2601 . AUTHORIZED ARMY NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the Army National Guard locations inside the United States, and in the amounts, set forth in the following table:

Army National Guard

State	Location	Amount
Alaska	*Joint Base Elmendorf-Richardson*	*$27,000,000*
Illinois	*Marseilles Training Center*	*$5,000,000*
Montana	*Malta*	*$15,000,000*
Nevada	*North Las Vegas*	*$32,000,000*
New Hampshire	*Pembroke*	*$12,000,000*
North Dakota	*Fargo*	*$32,000,000*
Ohio	*Camp Ravenna*	*$7,400,000*
Oklahoma	*Lexington*	*$11,000,000*
Oregon	*Boardman*	*$11,000,000*
South Dakota	*Rapid City*	*$15,000,000*

SEC. 2602. AUTHORIZED ARMY RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Army may acquire real property and carry out military construction projects for the Army Reserve locations inside the United States, and in the amounts, set forth in the following table:

Army Reserve: Inside the United States

State	Location	Amount
California	*Barstow*	*$34,000,000*
Washington	*Yakima Training Center*	*$23,000,000*
Wisconsin	*Fort McCoy*	*$23,000,000*

SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE CORPS RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Navy may acquire real property and carry out military construction projects for the Navy Reserve and Marine Corps Reserve locations inside the United States, and in the amounts, set forth in the following table:

Navy Reserve and Marine Corps Reserve

State	Location	Amount
California	*Naval Weapons Station Seal Beach*	*$21,740,000*
Georgia	*Fort Benning*	*$13,630,000*

SEC. 2604. AUTHORIZED AIR NATIONAL GUARD CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air National Guard locations inside the United States, and in the amounts, set forth in the following table:

Air National Guard

State	*Location*	*Amount*
California	*Channel Islands Air National Guard Station*	*$8,000,000*
Hawaii	*Joint Base Pearl Harbor-Hickam*	*$17,000,000*
llinois	*Greater Peoria Regional Airport*	*$9,000,000*
Louisiana	*Naval Air Station Joint Reserve Base New Orleans.*	*$39,000,000*
Minnesota	*Duluth International Airport*	*$8,000,000*
Montana	*Great Falls International Airport*	*$9,000,000*
New York	*Francis S. Gabreski Airport*	*$20,000,000*
Ohio	*Mansfield Lahm Airport*	*$13,000,000*
	Rickenbacker International Airport	*$8,000,000*
Pennsylvania	*Fort Indiantown Gap*	*$8,000,000*
Virginia	*Joint Base Langley-Eustis*	*$10,000,000*

SEC. 2605. AUTHORIZED AIR FORCE RESERVE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

Using amounts appropriated pursuant to the authorization of appropriations in section 2606 and available for the National Guard and Reserve as specified in the funding table in section 4601, the Secretary of the Air Force may acquire real property and carry out military construction projects for the Air Force Reserve locations inside the United States, and in the amounts, set forth in the following table:

Air Force Reserve

State	*Location*	*Amount*
Florida	*Patrick Air Force Base*	*$24,000,000*
Indiana	*Grissom Air Reserve Base*	*$21,500,000*
Massachusetts	*Westover Air Reserve Base*	*$42,600,000*
Mississippi	*Keesler Air Force Base*	*$4,550,000*
New York	*Niagara Falls International Airport*	*$14,000,000*
Ohio	*Youngstown Air Reserve Station*	*$8,800,000*

SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NATIONAL GUARD AND RESERVE.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for the costs of acquisition, architectural and engineering services, and construction of facilities for the Guard and Reserve Forces, and for contributions therefor, under chapter 1803 of title 10, United States Code (including the cost of acquisition of land for those facilities), as specified in the funding table in section 4601.

Subtitle B—Other Matters

SEC. 2611. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2016 PROJECT.

In the case of the authorization contained in the table in section 2603 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92; 129 Stat. 1164) for construction of a Reserve Training Center Complex at Dam Neck, Virginia, the Secretary of the Navy may construct the Reserve Training Center Complex at Joint Expeditionary Base Little Creek-Story, Virginia.

SEC. 2612. MODIFICATION OF AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2018 PROJECT.

In the case of the authorization contained in the table in section 2601 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115-91; 131 Stat. 1834) for Fort Belvoir, Virginia, for additions and alterations to the National Guard Readiness Center, the Secretary of the Army may construct a new readiness center.

SEC. 2613. ADDITIONAL AUTHORITY TO CARRY OUT CERTAIN FISCAL YEAR 2019 PROJECT.

(a) PROJECT AUTHORIZATION.—

(1) PROJECT.—The Secretary of the Navy may carry out a military construction project to construct a 50,000 square foot reserve training center, 6,600 square foot combat vehicle maintenance and storage facility, 2,400 square foot vehicle wash rack, 1,600 square foot covered training area, road improvements, and associated supporting facilities.

(2) ACQUISITION OF LAND.—As part of the project under this subsection, the Secretary may acquire approximately 8.5 acres of adjacent land and obtain necessary interest in land at Pittsburgh, Pennsylvania, for the construction and operation of the reserve training center.

(3) AMOUNT OF AUTHORIZATION.—The total amount of funds the Secretary may obligate and expend on activities under this subsection during fiscal year 2019 may not exceed $17,650,000.

(b) USE OF UNOBLIGATED PRIOR-YEAR NAVY MILITARY CONSTRUCTION RESERVE FUNDS.—The Secretary may use available, unobligated Navy military construction reserve funds for the project described in subsection (a).

(c) CONGRESSIONAL NOTIFICATION.—The Secretary of the Navy shall provide information in accordance with section 2851(c) of title 10, United States Code, regarding the project described in subsection (a). If it becomes necessary to exceed the estimated project cost, the Secretary shall utilize the authority provided by section 2853 of such title regarding authorized cost and scope of work variations.

TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES

Sec. 2701. Authorization of appropriations for base realignment and closure activities funded through Department of Defense Base Closure Account.
Sec. 2702. Additional authority to realign or close certain military installations.
Sec. 2703. Prohibition on conducting additional base realignment and closure (BRAC) round.

SEC. 2701. AUTHORIZATION OF APPROPRIATIONS FOR BASE REALIGNMENT AND CLOSURE ACTIVITIES FUNDED THROUGH DEPARTMENT OF DEFENSE BASE CLOSURE ACCOUNT.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for base realignment and closure activities, including real property acquisition and military construction projects, as authorized by the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101–510; 10 U.S.C. 2687 note) and funded through the Department of Defense Base Closure Account established by section 2906 of such Act (as amended by section 2711 of the Military Construction Au-

thorization Act for Fiscal Year 2013 (division B of Public Law 112–239; 126 Stat. 2140)), as specified in the funding table in section 4601.

SEC. 2702. ADDITIONAL AUTHORITY TO REALIGN OR CLOSE CERTAIN MILITARY INSTALLATIONS.

(a) AUTHORIZATION.—Notwithstanding sections 993 or 2687 of title 10, United States Code, and subject to subsection (d), the Secretary of Defense may take such actions as may be necessary to carry out the realignment or closure of a military installation in a State during a fiscal year if—

(1) the military installation is the subject of a notice which is described in subsection (b); and

(2) the Secretary includes the military installation in the report submitted under paragraph (2) of subsection (c) with respect to the fiscal year.

(b) NOTICE FROM GOVERNOR OF STATE.—A notice described in this subsection is a notice received by the Secretary of Defense from the Governor of a State (or, in the case of the District of Columbia, the Mayor of the District of Columbia) in which the Governor recommends that the Secretary carry out the realignment or closure of a military installation located in the State, and which includes each of the following elements:

(1) A specific description of the military installation, or a specific description of the relevant real and personal property.

(2) Statements of support for the realignment or closure from units of local government in which the installation is located.

(3) A detailed plan for the reuse or redevelopment of the real and personal property of the installation, together with a description of the local redevelopment authority which will be responsible for the implementation of the plan.

(c) RESPONSE TO NOTICE.—

(1) MANDATORY RESPONSE TO GOVERNOR AND CONGRESS.—Not later than 1 year after receiving a notice from the Governor of a State (or, in the case of the District of Columbia, from the Mayor of the District of Columbia), the Secretary of Defense shall submit a response to the notice to the Governor and the congressional defense committees indicating whether or not the Secretary accepts the recommendation for the realignment or closure of a military installation which is the subject of the notice.

(2) ACCEPTANCE OF RECOMMENDATION.—If the Secretary of Defense determines that it is in the interests of the United States to accept the recommendation for the realignment or closure of a military installation which is the subject of a notice received under subsection (b) and intends to carry out the realignment or closure of the installation pursuant to the authority of this section during a fiscal year, at the time the budget is submitted under section 1105(a) of title 31, United States Code, for the fiscal year, the Secretary shall submit a report to the congressional defense committees which includes the following:

(A) The identification of each military installation for which the Secretary intends to carry out a realignment or closure pursuant to the authority of this section during the

fiscal year, together with the reasons the Secretary of Defense believes that it is in the interest of the United States to accept the recommendation of the Governor of the State involved for the realignment or closure of the installation.

(B) For each military installation identified under subparagraph (A), a master plan describing the required scope of work, cost, and timing for all facility actions needed to carry out the realignment or closure, including the construction of new facilities and the repair or renovation of existing facilities.

(C) For each military installation identified under subparagraph (A), a certification that, not later than the end of the fifth fiscal year after the completion of the realignment or closure, the savings resulting from the realignment or closure will exceed the costs of carrying out the realignment or closure, together with an estimate of the annual recurring savings that would be achieved by the realignment or closure of the installation and the timeframe required for the financial savings to exceed the costs of carrying out the realignment or closure.

(d) LIMITATIONS.—

(1) TIMING.—The Secretary may not initiate the realignment or closure of a military installation pursuant to the authority of this section until the expiration of the 90-day period beginning on the date the Secretary submits the report under paragraph (2) of subsection (c).

(2) TOTAL COSTS.—Subject to appropriations, the aggregate cost to the government in carrying out the realignment or closure of military installations pursuant to the authority of this section for all fiscal years may not exceed $2,000,000,000. In determining the cost to the government for purposes of this section, there shall be included the costs of planning and design, military construction, operations and maintenance, environmental restoration, information technology, termination of public-private contracts, guarantees, and other factors contributing to the cost of carrying out the realignment or closure, as determined by the Secretary.

(e) PROCESS FOR IMPLEMENTATION.—The implementation of the realignment or closure of a military installation pursuant to the authority of this section shall be carried out in accordance with section 2905 of the Defense Base Closure and Realignment Act of 1990 (title XXIX of Public Law 101–510; 10 U.S.C. 2687 note) in the same manner as the implementation of a realignment or closure of a military installation pursuant to the authority of such Act.

(f) STATE DEFINED.—In this section, the term "State" means each of the several States, the District of Columbia, the Commonwealth of Puerto Rico, American Samoa, Guam, the United States Virgin Islands, and the Commonwealth of the Northern Mariana Islands.

(g) TERMINATION OF AUTHORITY.—The authority of the Secretary to carry out a realignment or closure pursuant to this section shall terminate at the end of fiscal year 2029.

SEC. 2703. PROHIBITION ON CONDUCTING ADDITIONAL BASE REALIGNMENT AND CLOSURE (BRAC) ROUND.

Nothing in this Act shall be construed to authorize an additional Base Realignment and Closure (BRAC) round.

TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS

Subtitle A—Military Construction Program and Military Family Housing

Sec. 2801. Modification of contract authority for acquisition, construction, or furnishing of test facilities and equipment.
Sec. 2802. Commercial construction standards for facilities on leased property.
Sec. 2803. Congressional oversight of projects carried out pursuant to laws other than Military Construction Authorization Acts.
Sec. 2804. Small business set-aside for contracts for architectural and engineering services and construction design.
Sec. 2805. Updates and modifications to Department of Defense Form 1391, Unified Facilities Criteria, and military installation master plans.
Sec. 2806. Work in Process Curve charts and outlay tables for military construction projects.
Sec. 2807. Extension of temporary, limited authority to use operation and maintenance funds for construction projects in certain areas outside the United States.
Sec. 2808. Authority to obtain architectural and engineering services and construction design for defense laboratory modernization program.
Sec. 2809. Repeal of limitation on certain Guam project.
Sec. 2810. Enhancing force protection and safety on military installations.
Sec. 2811. Limitation on use of funds for acquisition of furnished energy for new medical center in Germany.

Subtitle B—Real Property and Facilities Administration

Sec. 2821. Force structure plans and infrastructure capabilities necessary to support the force structure.
Sec. 2822. Exemption of Department of Defense off-site use and off-site removal only non-mobile properties from certain excess property disposal requirements.
Sec. 2823. Retrofitting existing windows in military family housing units to be equipped with fall prevention devices.
Sec. 2824. Updating prohibition on use of certain assessment of public schools on Department of Defense installations to supersede funding of certain projects.
Sec. 2825. Study of feasibility of using 20-year intergovernmental support agreements for installation-support services.
Sec. 2826. Representation of installation interests in negotiations and proceedings with carriers and other public utilities.
Sec. 2827. Clarification to include National Guard installations in Readiness and Environmental Protection Integration program.

Subtitle C—Land Conveyances

Sec. 2841. Land exchange, Air Force Plant 44, Tucson, Arizona.
Sec. 2842. Authority for transfer of administrative jurisdiction over certain lands, Marine Corps Air Ground Combat Center Twentynine Palms, California, and Marine Corps Air Station Yuma, Arizona.
Sec. 2843. Environmental restoration and future conveyance of portion of former Mare Island Firing Range, Vallejo, California.
Sec. 2844. Release of restrictions, University of California, San Diego.
Sec. 2845. Land exchange, Naval support activity, Washington Navy Yard, District of Columbia.
Sec. 2846. Land conveyance, Eglin Air Force Base, Florida.
Sec. 2847. Public inventory of Guam land parcels for transfer to Government of Guam.
Sec. 2848. Modification of conditions on land conveyance, Joliet Army Ammunition Plant, Illinois.
Sec. 2849. Land conveyance, Naval Academy dairy farm, Gambrills, Maryland.
Sec. 2850. Technical correction of description of Limestone Hills Training Area Land Withdrawal and Reservation, Montana.

Sec. 2851. Land conveyance, Wasatch-Cache National Forest, Rich County, Utah.
Sec. 2852. Commemoration of Freedman's Village.

Subtitle D—Other Matters

Sec. 2861. Defense community infrastructure pilot program.
Sec. 2862. Strategic plan to improve capabilities of Department of Defense training ranges and installations.
Sec. 2863. Restrictions on use of funds for development of public infrastructure in Commonwealth of Northern Mariana Islands.
Sec. 2864. Study and report on inclusion of Coleman Bridge, York River, Virginia, in Strategic Highway Network.
Sec. 2865. Defense access roads relating to closures due to sea level fluctuation and flooding.
Sec. 2866. Authority to transfer funds for construction of Indian River Bridge.
Sec. 2867. Plan to allow increased public access to the National Naval Aviation Museum and Barrancas National Cemetery, Naval Air Station Pensacola.

Subtitle A—Military Construction Program and Military Family Housing

SEC. 2801. MODIFICATION OF CONTRACT AUTHORITY FOR ACQUISITION, CONSTRUCTION, OR FURNISHING OF TEST FACILITIES AND EQUIPMENT.

Section 2353(a) of title 10, United States Code, is amended—

(1) by inserting after the first sentence the following: "The acquisition or construction of these research, developmental, or test facilities shall be subject to the cost principles applicable to allowable contract expenses."; and

(2) by adding at the end the following: "The Secretary of Defense and the Secretaries of the military departments shall promulgate regulations necessary to give full force and effect to this section.".

SEC. 2802. COMMERCIAL CONSTRUCTION STANDARDS FOR FACILITIES ON LEASED PROPERTY.

(a) USE OF COMMERCIAL STANDARDS.—Section 2667(b) of title 10, United States Code, is amended—

(1) by striking "and" at the end of paragraph (6);

(2) by striking the period at the end of paragraph (7) and inserting "; and"; and

(3) by adding at the end the following new paragraph:

"(8) shall provide that any facilities constructed on the property may be constructed using commercial standards in a manner that provides force protection safeguards appropriate to the activities conducted in, and the location of, such facilities.".

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall apply with respect to leases entered into during fiscal year 2019 or any of the four succeeding fiscal years.

SEC. 2803. CONGRESSIONAL OVERSIGHT OF PROJECTS CARRIED OUT PURSUANT TO LAWS OTHER THAN MILITARY CONSTRUCTION AUTHORIZATION ACTS.

Section 2802(e)(1) of title 10, United States Code, is amended—

(1) by striking "Secretary concerned shall—" and all that follows through "comply with the congressional notification requirement" and inserting "Secretary concerned shall comply with the congressional notification requirement"; and

(2) by inserting "and submit to the congressional defense committees any materials required to be submitted to Congress or any other congressional committees pursuant to the congres-

sional notification requirement" after "road project will be carried out".

SEC. 2804. SMALL BUSINESS SET-ASIDE FOR CONTRACTS FOR ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN.

(a) MANDATORY AWARD OF CONTRACTS UNDER THRESHOLD AMOUNT.—Section 2855(b)(1) of title 10, United States Code, is amended by striking "subsection (a)—" and all that follows and inserting the following: "subsection (a), if the Secretary concerned estimates that the initial award of the contract will be in an amount less than the threshold amount determined under paragraph (2), the contract shall be awarded in accordance with the set aside provisions of the Small Business Act (15 U.S.C. 631 et seq.).".

(b) INCREASE IN THRESHOLD AMOUNT.—Section 2855(b)(2) of such title is amended—

(1) by striking "initial";

(2) by striking "$300,000" and inserting "$1,000,000"; and

(3) by striking the second sentence.

(c) EFFECTIVE DATE.—The amendments made by this section shall apply with respect to fiscal year 2019 and each succeeding fiscal year.

SEC. 2805. UPDATES AND MODIFICATIONS TO DEPARTMENT OF DEFENSE FORM 1391, UNIFIED FACILITIES CRITERIA, AND MILITARY INSTALLATION MASTER PLANS.

(a) FLOOD RISK DISCLOSURE FOR MILITARY CONSTRUCTION.—

(1) IN GENERAL.—The Secretary of Defense shall modify Department of Defense Form 1391 to require, with respect to any proposed major or minor military construction project requiring congressional notification or approval—

(A) disclosure whether a proposed project will be sited within or partially within a 100-year floodplain, according to the most recent available Federal Emergency Management Agency flood hazard data; and

(B) if the proposed project will be sited within or partially within a 100-year floodplain, the specific risk mitigation plan.

(2) DELINEATION OF FLOODPLAIN.—To the extent that Federal Emergency Management Agency flood hazard data are not available for a proposed major or minor military construction site, the Secretary concerned shall establish a process for delineating the 100-year floodplain using risk analysis that is consistent with the standards used to inform Federal flood risk assessments.

(3) REPORTING REQUIREMENTS.—For proposed projects that are to be sited within or partially within a 100-year floodplain, the Secretary concerned shall submit to the congressional defense committees a report with the following:

(A) An assessment of flood vulnerability for the proposed project.

(B) Any information concerning alternative construction sites that were considered, and an explanation of why those sites do not satisfy mission requirements.

(C) A description of planned flood mitigation measures.

(4) MINIMUM FLOOD MITIGATION REQUIREMENTS.—When mitigating the flood risk of a major or minor military construc-

tion project within or partially within the 100-year floodplain, the Secretary concerned shall require any mitigation plan to assume an additional—

(A) 2 feet above the base flood elevation for non-mission critical buildings, as determined by the Secretary; and

(B) 3 feet above the base flood elevation for mission-critical buildings, as determined by the Secretary.

(b) DISCLOSURE REQUIREMENTS FOR DEPARTMENT OF DEFENSE FORM 1391.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall amend Department of Defense Form 1391 to require, for each requested military construction project—

(1) disclosure whether the project was included in the prior year's future-years defense program submitted to Congress pursuant to section 221 of title 10, United States Code; and

(2) inclusion of an energy study or life cycle analysis.

(c) INCORPORATION OF CHANGING ENVIRONMENTAL CONDITION PROJECTIONS IN MILITARY CONSTRUCTION DESIGNS AND MODIFICATIONS.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense shall amend section 3–5.6.2.3 of United Facilities Criteria (UFC) 2–100–01 and UFC 2–100–02 (or any similar successor regulations) to provide that in order to anticipate changing environmental conditions during the design life of existing or planned new facilities and infrastructure, projections from reliable and authorized sources such as the Census Bureau (for population projections), the National Academies of Sciences (for land use change projections and climate projections), the U.S. Geological Survey (for land use change projections), and the U.S. Global Change Research Office and National Climate Assessment (for climate projections) shall be considered and incorporated into military construction designs and modifications.

(d) INCLUSION OF CONSIDERATION OF ENERGY AND CLIMATE RESILIENCY EFFORTS IN MASTER PLANS FOR MAJOR MILITARY INSTALLATIONS.—Section 2864 of title 10, United States Code, is amended—

(1) in subsection (a)(2)—

(A) in subparagraph (C), by striking "and" at the end;

(B) in subparagraph (D), by striking the period at the end and inserting "; and"; and

(C) by adding at the end the following new subparagraph:

"(E) energy and climate resiliency efforts."; and

(2) in subsection (d), by adding at the end the following new paragraph:

"(3) The term 'energy and climate resiliency' means anticipation, preparation for, and adaptation to utility disruptions and changing environmental conditions and the ability to withstand, respond to, and recover rapidly from utility disruptions while ensuring the sustainment of mission-critical operations.".

(e) DEFINITION OF MILITARY INSTALLATION RESILIENCE.—Section 101(e) of title 10, United States Code, is amended by adding at the end the following new paragraph:

"(8) MILITARY INSTALLATION RESILIENCE.—The term 'military installation resilience' means the capability of a military installation to avoid, prepare for, minimize the effect of, adapt

to, and recover from extreme weather events, or from anticipated or unanticipated changes in environmental conditions, that do, or have the potential to, adversely affect the military installation or essential transportation, logistical, or other necessary resources outside of the military installation that are necessary in order to maintain, improve, or rapidly reestablish installation mission assurance and mission-essential functions.".

(f) ADJUSTMENT AND DIVERSIFICATION ASSISTANCE FOR RESPONDING TO THREATS TO THE RESILIENCE OF A MILITARY INSTALLATION.—Section 2391(b)(1) of title 10, United States Code, is amended—

(1) by striking ", or (E) by the closure" and inserting ", (E) by threats to military installation resilience, or (F) by the closure";

(2) by striking "(A), (B), (C), or (E)" and inserting "(A), (B), (C), or (F)"; and

(3) by striking "action described in clause (D), if the Secretary determines that the encroachment of the civilian community" and inserting "action described in clause (D) or (E), if the Secretary determines that either the encroachment of the civilian community or threats to military installation resilience".

SEC. 2806. WORK IN PROCESS CURVE CHARTS AND OUTLAY TABLES FOR MILITARY CONSTRUCTION PROJECTS.

(a) REQUIRED SUBMISSIONS.—

(1) IN GENERAL.—Subchapter III of chapter 169 of title 10, United States Code, is amended by inserting after section 2864 the following new section:

"§ 2865. Work in Process Curve charts and outlay tables for military construction projects

"Along with the budget for each fiscal year submitted by the President pursuant to section 1105(a) of title 31, United States Code, the Secretary of Defense and the Secretaries of the military departments shall include for any military construction project over $90,000,000, as an addendum to be included within the same document as the 1391s for the Military Construction Program budget documentation, a Project Spending Plan that includes—

"(1) a Work in Process Curve chart to identify funding, obligations, and outlay figures; and

"(2) a monthly outlay table for funding, obligations, and outlay figures.".

(2) CLERICAL AMENDMENT.—The table of sections at the beginning of such subchapter is amended by inserting after the item relating to section 2864 the following new item:

"2865. Work in Process Curve charts and outlay tables for military construction projects.".

(b) DEPARTMENT OF DEFENSE GUIDANCE.—The Secretary of Defense shall, in coordination with the Under Secretary of Defense (Comptroller), update Department of Defense Financial Management Regulation 7000.14–R, and any other appropriate instructions and guidance, to ensure that the Department of Defense takes appropriate actions to comply with section 2865 of title 10, United States Code, as added by this section.

SEC. 2807. EXTENSION OF TEMPORARY, LIMITED AUTHORITY TO USE OPERATION AND MAINTENANCE FUNDS FOR CONSTRUCTION PROJECTS IN CERTAIN AREAS OUTSIDE THE UNITED STATES.

(a) EXTENSION OF AUTHORITY.—Subsection (h) of section 2808 of the Military Construction Authorization Act for Fiscal Year 2004 (division B of Public Law 108–136; 117 Stat. 1723), as most recently amended by section 2804 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1846), is further amended—

(1) in paragraph (1), by striking "December 31, 2018" and inserting "December 31, 2020"; and

(2) in paragraph (2), by striking "fiscal year 2019" and inserting "fiscal year 2021".

(b) LIMITATION ON USE OF AUTHORITY.—Subsection (c)(1) of such section is amended by striking "shall not exceed" and all that follows and inserting the following: "shall not exceed $50,000,000 during either of the following periods:

"(1) The period beginning October 1, 2018, and ending on the earlier of December 31, 2019, or the date of the enactment of an Act authorizing funds for military activities of the Department of Defense for fiscal year 2020.

"(2) The period beginning October 1, 2019, and ending on the earlier of December 31, 2020, or the date of the enactment of an Act authorizing funds for military activities of the Department of Defense for fiscal year 2021.".

SEC. 2808. AUTHORITY TO OBTAIN ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN FOR DEFENSE LABORATORY MODERNIZATION PROGRAM.

(a) AUTHORITY.—Section 2803 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1169; 10 U.S.C. 2358 note) is amended—

(1) by redesignating subsection (f) as subsection (g); and

(2) by inserting after subsection (e) the following new subsection:

"(f) ADDITIONAL AUTHORITY TO USE FUNDS FOR RELATED ARCHITECTURAL AND ENGINEERING SERVICES AND CONTRACT DESIGN.—

"(1) AUTHORITY.—In addition to the authority provided to the Secretary of Defense under subsection (a) to use amounts appropriated or otherwise made available for research, development, test, and evaluation for a military construction project referred to in such subsection, the Secretary of the military department concerned may use amounts appropriated or otherwise made available for research, development, test, and evaluation to obtain architectural and engineering services and to carry out construction design in connection with such a project.

"(2) NOTICE REQUIREMENT.—In the case of architectural and engineering services and construction design to be undertaken under this subsection for which the estimated cost exceeds $1,000,000, the Secretary concerned shall notify the appropriate committees of Congress of the scope of the proposed project and the estimated cost of such services before the initial obligation of funds for such services. The Secretary may then obligate funds for such services only after the end of the 14-day period beginning on the date on which the notification is received by

the committees in an electronic medium pursuant to section 480 of this title.".

(b) CONFORMING AMENDMENTS TO WAIVE CONDITIONS APPLICABLE TO EXISTING AUTHORITY.—

(1) CONDITION ON AND SCOPE OF PROJECT AUTHORITY.—Section 2803(b) of such Act is amended by striking "project under this section" and inserting "project under subsection (a)".

(2) CONGRESSIONAL NOTIFICATION.—Section 2803(c) of such Act is amended by striking "carried out under this section" each place it appears in paragraphs (1) and (2) and inserting "carried out under subsection (a)".

(3) DESCRIPTION OF AUTHORIZED PROJECTS.—Section 2803(d) of such Act is amended by striking "provided by this section" and inserting "provided by subsection (a)".

(4) FUNDING LIMITATION.—Section 2803(e) of such Act is amended by striking "projects under this section" and inserting "projects under subsection (a)".

(c) EXTENSION OF PERIOD OF AUTHORITY.—Section 2803(g) of such Act, as redesignated by subsection (a)(1), is amended by striking "October 1, 2020" and inserting "October 1, 2025".

(d) EFFECTIVE DATE.—The amendments made by this section shall take effect as if included in the enactment of section 2803 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1169; 10 U.S.C. 2358 note).

SEC. 2809. REPEAL OF LIMITATION ON CERTAIN GUAM PROJECT.

(a) REPEAL OF LIMITATION.—Section 2879 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1874) is amended by striking subsection (b).

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect as if included in the enactment of the National Defense Authorization Act for Fiscal Year 2018.

SEC. 2810. ENHANCING FORCE PROTECTION AND SAFETY ON MILITARY INSTALLATIONS.

(a) AUTHORIZATION OF ADDITIONAL PROJECTS.—In addition to any other military construction projects authorized under this Act, the Secretary of the military department concerned may carry out military construction projects to enhance force protection and safety on military installations, as specified in the funding table in section 4601.

(b) REQUIRING REPORT AS CONDITION OF AUTHORIZATION.—

(1) REPORT.—Not later than 90 days after the date of the enactment of this Act, the Secretary concerned shall submit a report to the congressional defense committees which describes the location, title, and cost, together with a Department of Defense Form 1391, for each project the Secretary proposes to carry out under this section.

(2) TIMING OF AVAILABILITY OF FUNDS.—No funds may be obligated or expended for a project under this section—

(A) unless the project is included in the report submitted under paragraph (1); and

(B) until the expiration of the 30-day period which begins on the date the Secretary concerned submits the report under paragraph (1).

(c) EXPIRATION OF AUTHORIZATION.—Section 2002 shall apply with respect to the authorization of a military construction project under this section in the same manner as such section applies to the authorization of a project contained in titles XXI through XXVII.

SEC. 2811. LIMITATION ON USE OF FUNDS FOR ACQUISITION OF FURNISHED ENERGY FOR NEW MEDICAL CENTER IN GERMANY.

(a) LIMITATION.—No amounts authorized to be appropriated or made available to the Secretary of Defense or the Secretary of any military department may be used to enter into a contract for the acquisition of furnished energy for the new Rhine Ordnance Barracks Army Medical Center (hereafter in this section referred to as the "Medical Center") until the Secretary of Defense submits to the congressional defense committees a written certification that—

(1) the source of furnished energy for the Medical Center will minimize the use of fuels sourced from inside the Russian Federation;

(2) the design of the Medical Center will utilize a diversified energy supply from a mixed-fuel system as the source of furnished energy to sustain mission critical operations during any sustained energy supply disruption caused by the Russian Federation; and

(3) to the extent available, domestically-sourced fuels shall be the preferred source for furnished energy for the Medical Center.

(b) WAIVER FOR NATIONAL SECURITY INTERESTS.—Subsection (a) shall not apply if the Secretary of Defense certifies to the congressional defense committees that a waiver of such subsection is necessary to protect the national security interests of the United States.

(c) DEFINITION.—In this section, the term "furnished energy" means energy furnished to the Medical Center in any form and for any purpose, including heating, cooling, and electricity.

(d) EFFECTIVE DATE.—This section shall take effect on the date of the enactment of this Act.

Subtitle B—Real Property and Facilities Administration

SEC. 2821. FORCE STRUCTURE PLANS AND INFRASTRUCTURE CAPABILITIES NECESSARY TO SUPPORT THE FORCE STRUCTURE.

(a) FORCE STRUCTURE PLANS AND INFRASTRUCTURE CAPABILITIES.—Not later than the date on which the budget of the President for fiscal year 2021 is submitted to Congress pursuant to section 1105 of title 31, United States Code, the Secretary of Defense shall develop and submit to the congressional defense committees the following:

(1) A force structure plan for each of the Army, Navy, Air Force, and Marine Corps and the reserve components of each military department that is informed by—

(A) an assessment by the Secretary of Defense of the probable threats to the national security of the United States; and

(B) end-strength levels and major military force units (including land force divisions, carrier and other major combatant vessels, air wings, and other comparable units)

authorized in the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

(2) A categorical model of installation capabilities required to carry out the force structures plans described in paragraph (1) based on—

(A) the infrastructure, real property, and facilities capabilities required to carry out such plans; and

(B) the current military requirements of the major military units referred to in subparagraph (B) of such paragraph.

(b) CONSISTENCY.—In developing force structure plans and categorical models of installation capabilities under subsection (a), the Secretary of Defense shall ensure that the infrastructure, real property, and facilities of each of the military departments are categorized and measured in consistent terms so as to facilitate comparisons.

(c) RELATIONSHIP TO INVENTORY.—Using the information in the force structure plans and categorical model developed under subsection (a), the Secretary of Defense shall submit to Congress each of the following:

(1) An assessment of the requirements necessary for carrying out the force structure plans compared to existing infrastructure, real property, and facilities capabilities, as documented in the records maintained under section 2721 of title 10, United States Code.

(2) An identification of any deficit or surplus capability in such infrastructure, real property, and facilities—

(A) for each military department; and

(B) for locations within the continental United States and territories.

SEC. 2822. EXEMPTION OF DEPARTMENT OF DEFENSE OFF-SITE USE AND OFF-SITE REMOVAL ONLY NON-MOBILE PROPERTIES FROM CERTAIN EXCESS PROPERTY DISPOSAL REQUIREMENTS.

(a) IN GENERAL.—Excess or unutilized or underutilized non-mobile property of the Department of Defense that is situated on non-excess land shall be exempt from the requirements of title V of the McKinney-Vento Homeless Assistance Act (42 U.S.C. 11411 et seq.) upon a determination by the head of the department, agency, or other element of the Department having jurisdiction of the property that—

(1) the property is not feasible to relocate;

(2) the property is located in an area to which the general public is denied access in the interest of national security; and

(3) the exemption would facilitate the efficient disposal of excess property or result in more efficient real property management.

(b) CONSULTATION.—Before making an initial determination under the authority in subsection (a), and periodically thereafter, the head of a department, agency, or other element of the Department shall consult with the Executive Director of the United States Interagency Council on Homelessness on types of non-mobile properties that may be feasible for relocation and suitable to assist the homeless.

(c) REPORTING REQUIREMENT.—

(1) IN GENERAL.—If any head of a department, agency, or other element of the Department makes a determination under subsection (a) during a fiscal year, not later than 90 days after the end of that fiscal year, the Secretary of Defense shall submit to the appropriate committees of Congress a report listing all the buildings, facilities, and other properties for which a determination was made under that subsection during that fiscal year.

(2) FORM.—Any report under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(3) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this subsection, the term "appropriate committees of Congress" means—

(A) the Committee on Armed Services, the Committee on Banking, Housing, and Urban Affairs, and the Committee on Homeland Security and Governmental Affairs of the Senate; and

(B) the Committee on Armed Services, the Committee on Financial Services, and the Committee on Oversight and Government Reform of the House of Representatives.

(d) SUNSET.—The authority under subsection (a) shall expire on September 30, 2021.

SEC. 2823. RETROFITTING EXISTING WINDOWS IN MILITARY FAMILY HOUSING UNITS TO BE EQUIPPED WITH FALL PREVENTION DEVICES.

(a) AUTHORIZING FUNDING FOR RETROFITTING OR REPLACING WINDOWS.—Section 2879 of title 10, United States Code, as added by section 2817(a) of the National Defense Authorization Act for Fiscal Year 2018 (131 Stat. 1851) is amended—

(1) in subsection (a)(1), by striking "subsection (b)" and inserting "subsection (c)";

(2) by redesignating subsections (b) and (c) as subsections (c) and (d); and

(3) by inserting after subsection (a) the following new subsection:

"(b) RETROFITTING OR REPLACING EXISTING WINDOWS.—

"(1) PROGRAM TO RETROFIT EXISTING WINDOWS.—The Secretary concerned shall carry out a program under which, in military family housing units acquired or constructed under this chapter which are not subject to the requirements of subsection (a), windows which are described in subsection (c), including windows designed for emergency escape or rescue, are retrofitted to be equipped with fall prevention devices described in paragraph (1) of subsection (a) or are replaced with windows which are equipped with fall prevention devices described in such paragraph.

"(2) GRANTS.—The Secretary concerned may carry out the program under this subsection by making grants to private entities to retrofit or replace existing windows, in accordance with such criteria as the Secretary may establish by regulation.

"(3) USE OF OPERATIONS FUNDING.—The Secretary may carry out the program under this subsection during a fiscal year with amounts made available to the Secretary for family housing operations for such fiscal year.".

(b) EFFECTIVE DATE.—The amendments made by this section shall apply with respect to fiscal year 2019 and each succeeding fiscal year.

SEC. 2824. UPDATING PROHIBITION ON USE OF CERTAIN ASSESSMENT OF PUBLIC SCHOOLS ON DEPARTMENT OF DEFENSE INSTALLATIONS TO SUPERSEDE FUNDING OF CERTAIN PROJECTS.

(a) UPDATE.—Paragraph (3) of section 2814(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2717), as added by section 2818(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1852), is amended by striking "33 projects" and inserting "38 projects".

(b) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect as if included in the enactment of the National Defense Authorization Act for Fiscal Year 2018.

SEC. 2825. STUDY OF FEASIBILITY OF USING 20-YEAR INTERGOVERNMENTAL SUPPORT AGREEMENTS FOR INSTALLATION-SUPPORT SERVICES.

(a) STUDY.—Each Secretary concerned shall conduct a study of the feasibility and desirability of entering into intergovernmental support agreements under section 2679(a) of title 10, United States Code, for a term not to exceed 20 years.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, each Secretary concerned shall submit to the congressional defense committees a report on the study conducted under subsection (a).

SEC. 2826. REPRESENTATION OF INSTALLATION INTERESTS IN NEGOTIATIONS AND PROCEEDINGS WITH CARRIERS AND OTHER PUBLIC UTILITIES.

Section 501(c) of title 40, United States Code, is amended—

(1) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively;

(2) by inserting "(1)" before "For transportation"; and

(3) by adding at the end the following new paragraph:

"(2) Prior to representing any installation of the Department of Defense in any proceeding under this subsection, the Administrator or any persons or entities acting on behalf of the Administrator shall—

"(A) notify the senior mission commander of the installation; and

"(B) solicit and represent the interests of the installation as determined by the installation's senior mission commander.".

SEC. 2827. CLARIFICATION TO INCLUDE NATIONAL GUARD INSTALLATIONS IN READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) State-owned National Guard installations have always qualified as military installations under section 2684a of title 10, United States Code; and

(2) State-owned National Guard installations should continue to qualify as military installations under section 2684a of that title.

(b) CLARIFICATION.—

(1) IN GENERAL.—Section 2684a(a) of title 10, United States Code, is amended by inserting ", as well as a State-owned National Guard installation," after "military installation".

(2) RETROACTIVE EFFECT.—The amendment made by paragraph (1) shall take effect as of December 2, 2002.

Subtitle C—Land Conveyances

SEC. 2841. LAND EXCHANGE, AIR FORCE PLANT 44, TUCSON, ARIZONA.

(a) LAND CONVEYANCE AND RESTORATION OF REAL PROPERTY IMPROVEMENTS AUTHORIZED.—In connection with a project planned by the Tuscon Airport Authority (in this section referred to as "TAA") to relocate and extend a parallel runway and make other airfield safety enhancements at the Tucson International Airport, the Secretary of the Air Force (in this section referred to as the "Secretary") may—

(1) convey to TAA all right, title, and interest of the United States in and to all or any part of a parcel of real property, including any improvements thereon, consisting of approximately 58 acres on Air Force Plant 44, Arizona, and located adjacent to Tucson International Airport;

(2) agree to terminate all or a portion of any deed restrictions made for the benefit of the United States that limit construction on Tucson International Airport within 750 feet of the Airport's southwest property boundary with Air Force Plant 44; and

(3) using cash or in-kind consideration as provided in subsection (b)—

(A) construct new explosives storage facilities to replace the explosives storage facilities located on the land described in paragraph (1) and explosives storage facilities located on Air Force Plant 44 within the end-of-runway clear zone associated with the TAA airfield enhancement project; and

(B) construct new fencing as necessary to accommodate the changes in the boundary of Air Force Plant 44.

(b) CONSIDERATION.—As consideration for the land conveyance, deed restriction termination, replacement of real property improvements, and installation of fencing authorized under subsection (a), the following consideration must be received by the United States before the Secretary may make any conveyance or termination of real property interests of the United States as described in subsection (a):

(1) All right, title, and interest of the owner or owners thereof to the parcels of real property consisting of approximately 160 acres directly adjacent to the south boundary of Air Force Plant 44.

(2) The cost to the Secretary, in accordance with current design standards, of—

(A) replacing the real property structures on Air Force Plant 44 made unusable due to the land transfers and termination of deed restrictions, with structures of at least equivalent capacity and functionality; and

(B) installing the necessary boundary fencing due to the changes in the boundary of Air Force Plant 44.

(c) DIRECT PAYMENT OF CONSIDERATION TO GOVERNMENT CONTRACTORS.—The Secretary may require that any cash consideration to be received under this section be paid, directly or through the Air Force design and construction agent, to the contractors performing design or construction of the real property improvements described in subsection (a)(3).

(d) PAYMENT OF COSTS OF CONVEYANCES.—

(1) PAYMENT REQUIRED.—The Secretary may require TAA to cover costs to be incurred by the Secretary to carry out the land exchange and other transactions authorized under this section, or to reimburse the Secretary for such costs, including survey costs, appraisal costs, costs related to environmental documentation, and other administrative costs related to the conveyances. If amounts are collected from TAA in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out such transactions, the Secretary shall refund the excess amount to TAA.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received as reimbursements under paragraph (1) shall be used in accordance with section 2695(c) of title 10, United States Code.

(e) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the real property to be exchanged under this section shall be determined by a survey satisfactory to the Secretary.

(f) ADDITIONAL TERMS AND CONDITIONS.—The Secretary may require such additional terms and conditions in connection with the land exchange and other transactions under this section as the Secretary considers appropriate to protect the interests of the United States. Without limiting the foregoing, the Secretary may establish a deed restriction on any part of the 58 acres described in subsection (a)(1) to accommodate existing Quantity Distance arcs.

SEC. 2842. AUTHORITY FOR TRANSFER OF ADMINISTRATIVE JURISDICTION OVER CERTAIN LANDS, MARINE CORPS AIR GROUND COMBAT CENTER TWENTYNINE PALMS, CALIFORNIA, AND MARINE CORPS AIR STATION YUMA, ARIZONA.

(a) MARINE CORPS AIR GROUND COMBAT CENTER TWENTYNINE PALMS, CALIFORNIA.—

(1) AUTHORITY FOR TRANSFER.—Subject to paragraph (2), the Secretary of the Navy may transfer to the Secretary of the Interior, at no cost, administrative jurisdiction of approximately 2,105 acres of non-contiguous parcels of land within the Shared Use Area of the Marine Corps Air Ground Combat Center Twentynine Palms, California.

(2) CONDITION FOR TRANSFER.—The Secretary of the Navy may carry out the transfer under this subsection only if the Secretary of the Navy and the Secretary of the Interior each determine that the transfer is in the public interest and will be for the benefit of the Department of the Navy and the Department of the Interior, respectively.

(3) STATUS OF LAND AFTER TRANSFER.—Upon completion of the transfer under this subsection, the land over which the Secretary of the Interior obtains administrative jurisdiction shall become public land withdrawn and reserved under section 2941 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 1034), and shall be managed in

accordance with section 2942(b)(1) of such Act (Public Law 113–66; 127 Stat. 1036), in the same manner as other lands in the Shared Use Area.

(4) SHARED USE AREA DEFINED.—In this subsection, the term "Shared Use Area" means the area described in section 2941(b)(2) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66; 127 Stat. 1035).

(b) MARINE CORPS AIR STATION YUMA, ARIZONA.—

(1) AUTHORITY FOR TRANSFER.—Subject to paragraph (2), the Secretary of the Interior may transfer to the Secretary of the Navy, at no cost, administrative jurisdiction of approximately 256 acres of non-contiguous parcels of land within Marine Corps Air Station Yuma, Arizona which are used by the Department of the Navy as of the day before the date of the enactment of this Act pursuant to any of the following authorities:

(A) Public Land Order Number 2766 of August 28, 1962.

(B) Expired Public Land Order Number 6804 of October 16, 1990.

(C) Memorandum of Understanding Number 14-06-300-1266 of July 5, 1962, between the Department of the Interior and the Department of the Navy.

(2) CONDITION FOR TRANSFER.—The Secretary of the Interior may carry out the transfer under this subsection only if the Secretary of the Interior and the Secretary of the Navy each determine that the transfer is in the public interest and will be for the benefit of the Department of the Interior and the Department of the Navy, respectively.

(3) WITHDRAWAL OF LAND AFTER TRANSFER.—Upon completion of the transfer under this subsection, the land over which the Secretary of the Navy obtains administrative jurisdiction—

(A) shall cease to be public land; and

(B) for as long as the land is under the administrative jurisdiction of the Secretary of the Navy or the Secretary of any other military department, shall be withdrawn from all forms of entry, appropriation, or disposal under the public land laws, from location, entry, and patent under the mining laws, and from disposition under all laws relating to mineral interests and to mineral and geothermal leasing.

SEC. 2843. ENVIRONMENTAL RESTORATION AND FUTURE CONVEYANCE OF PORTION OF FORMER MARE ISLAND FIRING RANGE, VALLEJO, CALIFORNIA.

(a) RESTORATION REQUIRED AS RESULT OF PREVIOUS REMEDIATION.—As soon as practicable, the Secretary of the Navy shall take such steps as may be required to fill in depressions in the Mare Island property which resulted from environmental remediation carried out by the Department of the Navy prior to the date of the enactment of this section.

(b) MITIGATION OF WETLANDS.—

(1) METHOD OF MITIGATION.—If the refilling of wetlands on the Mare Island property requires mitigation, the Secretary of the Navy shall conduct such mitigation in accordance with relevant Federal, State and local environmental laws.

(2) COORDINATION OVER CERTAIN PORTION OF PROPERTY.—To the extent that the refilling of wetlands on the Mare Island

property requires mitigation on any portion of such property which is subject to a reversionary interest of the State of California, the Secretary shall coordinate with the California State Lands Commission to determine how to best meet the regulatory requirements applicable to the mitigation of such wetlands.

(c) REPORT ON COMPLIANCE AND FUTURE CONVEYANCE.—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report describing the process by which the Secretary plans to meet the requirements of subsections (a) and (b), as well as a proposal by the Secretary to convey the Mare Island property (or some portion thereof) to the State of California or units of local government in the State of California.

(d) DEFINITION.—In this section, the "Mare Island property" is the parcel of real property consisting of approximately 48 acres located within the former Mare Island Naval Shipyard which was formerly used as a firing range by the Department of the Navy.

SEC. 2844. RELEASE OF RESTRICTIONS, UNIVERSITY OF CALIFORNIA, SAN DIEGO.

(a) RELEASE.—The Secretary of the Navy may, upon receipt of full consideration as provided in subsection (b), release to the Regents of the University of California (in this section referred to as the "University of California") all remaining right, title, and interest of the United States, including restrictions on use imposed by deed or otherwise and reversionary rights, in and to a parcel of real property consisting of approximately 495 acres that comprises part of the San Diego campus of the University of California.

(b) CONSIDERATION.—

(1) CONSIDERATION REQUIRED.—As consideration for the release under subsection (a), the University of California shall provide an amount that is acceptable to the Secretary of the Navy, whether by cash payment, in-kind consideration as described under paragraph (2), or a combination thereof, at such time as the Secretary may require. The consideration under this paragraph shall be based on an appraisal approved by the Secretary of the value to the Department of the Navy of the restrictions released under subsection (a), except that in determining the value of such restrictions, there shall be excluded the value of any existing improvements to the property made by or on behalf of the University of California and the value of the University of California's existing rights to the property.

(2) IN-KIND CONSIDERATION.—In-kind consideration provided by the University of California under paragraph (1) may include goods or services that benefit the Department of the Navy and may take into consideration the value which has accrued to the Department of the Navy from the San Diego campus of the University of California's research, education, and clinical care activities, as well as the contracts, grants, and other collaborations between the Department of the Navy and the San Diego campus of the University of California.

(3) TREATMENT OF CONSIDERATION RECEIVED.—Consideration in the form of cash payment received by the Secretary under paragraph (1) shall be deposited in the separate fund in the Treasury described in section 572(a)(1) of title 40, United States Code.

(c) PAYMENT OF COSTS OF RELEASE.—

(1) PAYMENT REQUIRED.—The Secretary of the Navy shall require the University of California to cover costs to be incurred by the Secretary, or to reimburse the Secretary for such costs incurred by the Secretary, to carry out the release under subsection (a), including survey costs, costs for environmental documentation related to the release, and any other administrative costs related to the release. If amounts are collected from the University of California in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the release, the Secretary shall refund the excess amount to the University of California.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received as reimbursement under paragraph (1) shall be credited to the fund or account that was used to cover the costs incurred by the Secretary in carrying out the release under subsection (a) or, if the period of availability of obligations for that appropriation has expired, to the appropriations of a fund that is currently available to the Secretary for the same purpose. Amounts so credited shall be merged with amounts in such fund or account and shall be available for the same purposes, and subject to the same conditions and limitations, as amounts in such fund or account.

(d) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the real property that is the subject of the release under subsection (a) shall be determined by a survey or other documentation satisfactory to both the Secretary of the Navy and the University of California.

(e) ADDITIONAL TERMS AND CONDITIONS.—The Secretary of the Navy may require such additional terms and conditions in connection with the release under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

SEC. 2845. LAND EXCHANGE, NAVAL SUPPORT ACTIVITY, WASHINGTON NAVY YARD, DISTRICT OF COLUMBIA.

(a) EXCHANGE OF PROPERTY INTERESTS AUTHORIZED.—

(1) INTERESTS TO BE CONVEYED.—The Secretary of the Navy (Secretary) may convey all right, title, and interest of the United States in and to one or more parcels of real property under the jurisdiction of the Secretary, including any improvements thereon and, without limitation, any leasehold interests of the United States therein, as the Secretary considers appropriate to protect the interests of the United States.

(2) INTERESTS TO BE ACQUIRED.—In exchange for the property interests described in paragraph (1), the Secretary may accept parcels at the Southeast Federal Center in the vicinity of the Washington Navy Yard, replacement of facilities being conveyed of equal value and similar utility, as determined by the Secretary, and any additional consideration the Secretary feels is appropriate, including maintenance, repair, or restoration of any real property, facility, or infrastructure under the jurisdiction of the Secretary.

(b) VALUATION.—The value of the property interests to be exchanged by the Secretary described in subsections (a)(1) and (a)(2) shall be determined—

(1) by an independent appraiser selected by the Secretary; and

(2) in accordance with the Uniform Appraisal Standards for Federal Land Acquisitions and the Uniform Standards of Professional Appraisal Practice.

(c) EQUALIZATION PAYMENTS.—

(1) TO THE SECRETARY.—If the fair market value of the property interests described in subsection (a)(1) is greater than the fair market value of the property interests described in subsection (a)(2), the person to whom such interests are conveyed shall pay to the Department of the Navy an amount equal to the differences in such fair market values.

(2) NO EQUALIZATION.—If the fair market value of the property interests described in subsection (a)(2) is greater than the fair market value of the property interests described in subsection (a)(1), the Secretary shall not make a cash equalization payment to equalize the values.

(d) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary shall require the other party in this land exchange to cover costs to be incurred by the Secretary, or to reimburse the Secretary for such costs incurred, to carry out the land exchange under this section, including survey costs, costs for environmental documentation, other administrative costs related to the land exchange, and all costs associated with relocation of activities and facilities, including equipment, to the replacement location. If amounts collected are in advance of the Secretary incurring actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the land exchange, the Secretary shall refund the excess amount.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received shall be credited to the fund or account that was used to cover those costs incurred by the Secretary in carrying out the land exchange. Amounts so credited shall be merged with amounts in such fund or account, and shall be available for the same purposes, and subject to the same conditions and limitations, as amounts in such fund or account.

(e) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the property to be exchanged under this section shall be determined by surveys satisfactory to the Secretary of the Navy.

(f) CONVEYANCE AGREEMENT.—The exchange of real property interests under this section shall be accomplished using an appropriate legal instrument and upon terms and conditions mutually satisfactory to both parties of the exchange, including such additional terms and conditions as the Secretary considers appropriate to protect the interests of the United States.

SEC. 2846. LAND CONVEYANCE, EGLIN AIR FORCE BASE, FLORIDA.

(a) CONVEYANCE AUTHORIZED.—The Secretary of the Air Force may convey to the Air Force Enlisted Village, a nonprofit corporation (in this section referred to as the "Village"), all right, title, and interest of the United States in and to a parcel of real property, including improvements thereon, consisting of approximately 80 acres located adjacent to Eglin Air Force Base, Florida, for the purpose of independent-living and assisted-living apartments for veterans.

The conveyance under this subsection is subject to valid existing rights.

(b) CONSIDERATION REQUIRED.—As consideration for the conveyance under subsection (a), the Village shall provide an amount that is equivalent to the fair market value to the Department of the Air Force of the right, title, and interest conveyed under such subsection, based on an appraisal approved by the Secretary of the Air Force. The consideration under this paragraph may be provided by cash payment, in-kind consideration, or a combination thereof, at such time as the Secretary may require.

(c) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary may require the Village to cover all costs (except costs for environmental remediation of the property) to be incurred by the Secretary, or to reimburse the Secretary for costs incurred by the Secretary, to carry out the conveyance under this section, including survey costs, costs for environmental documentation, and any other administrative costs related to the conveyance. If amounts are collected from the Village in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the conveyance, the Secretary shall refund the excess amount to the Village.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received under paragraph (1) as reimbursement for costs incurred by the Secretary to carry out the conveyance under subsection (a) shall be credited to the fund or account that was used to cover the costs incurred by the Secretary in carrying out the conveyance, or to an appropriate fund or account currently available to the Secretary for the purposes for which the costs were paid. Amounts so credited shall be merged with amounts in such fund or account and shall be available for the same purposes, and subject to the same conditions and limitations, as amounts in such fund or account.

(d) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the property to be conveyed under subsection (a) shall be determined by a survey satisfactory to the Secretary.

(e) ADDITIONAL TERMS AND CONDITIONS.—The Secretary may require such additional terms and conditions in connection with the conveyance under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

SEC. 2847. PUBLIC INVENTORY OF GUAM LAND PARCELS FOR TRANSFER TO GOVERNMENT OF GUAM.

(a) NET-NEGATIVE INVENTORY OF LAND PARCELS.—

(1) MAINTENANCE AND UPDATE OF INVENTORY.—The Secretary of the Navy shall maintain and update regularly an inventory of all land parcels located on Guam which meet each of the following conditions:

(A) The parcels are currently owned by the United States Government and are under the administrative jurisdiction of the Department of the Navy.

(B) The Secretary has determined or expects to determine the parcels to be excess to the needs of the Department of the Navy.

(C) Under Federal law, including Public Law 106–504 (commonly known as the "Guam Omnibus Opportunities

Act"; 40 U.S.C. 521 note), the parcels are eligible to be transferred to the territorial government.

(2) INFORMATION REQUIRED.—For each parcel included in the inventory under paragraph (1), the Secretary shall specify—

(A) the approximate size of the parcel;

(B) an estimate of the fair market value of the parcel, if available or as practicable;

(C) the date on which the Secretary determined, or the date by which the Secretary expects to determine, that the parcel is excess and made eligible for transfer to the territorial government; and

(D) the citation of the specific legal authority (including the Guam Omnibus Opportunities Act) under which the Secretary will transfer the parcel to the territorial government or otherwise dispose of the parcel.

(b) PARCELS REQUIRED TO BE INCLUDED.—The Secretary shall include in the inventory under this section each of the following parcels, as described in the 2017 Net Negative Report:

(1) The Tanguisson Power Plant (5 acres), listed as Site 14 in the Report.

(2) The Harmon Substation Annex (9.9 acres), listed as Site 15 in the Report.

(3) The Piti Power Plant and Substation (15.5 acres), listed as Site 38 in the Report.

(4) Apra Heights Lot 403–1 (0.5 acres), listed as Site 55 in the Report.

(5) The Agana Power Plant and Substation (5.9 acres), listed as Site 54 in the Report.

(6) The ACEORP Maui Tunnel-Tamuning Route 1 behind Old Telex (3.7 acres), listed as Site 23 in the Report.

(7) The Parcel South of Camp Covington, Parcel 7 (60.8 acres), listed as Site 49 in the Report.

(8) The NCTS Beach Lot, adjacent to the Tanguisson Power Plant (13.3 acres), listed as Site 13 in the Report.

(9) The Hoover Park Annex (also known as "Old USO Beach"; 6 acres), listed as Site 37 in the Report.

(10) Parcel "C" Marbo Cave Annex (5 acres), listed as Site 12 in the Report.

(c) INCLUSION OF ADDITIONAL PARCELS IN INVENTORY.—

(1) REQUEST BY GOVERNOR.—The Governor of the territory of Guam may submit a request to the Secretary to add parcels to the inventory maintained under subsection (a), and shall specify in any such request any public benefit uses or public purposes proposed by the Governor for the parcel involved, pursuant to the Guam Omnibus Opportunities Act or any other relevant Federal law.

(2) CONSIDERATION BY SECRETARY.—Not later than 180 days of receipt of a request from the Governor under paragraph (1), the Secretary shall review the request and provide a response in writing to the Governor as to whether the Secretary will agree to the request to include the specific land parcel in the inventory maintained under subsection (a). If the Secretary denies the request, the Secretary shall provide a detailed written justification to the Governor that explains the continuing

military need for the parcel, if any, and the date on which the Secretary expects that military need to cease, if ever.

(d) EXCLUSION OF PARCELS.—The Secretary shall not include in the inventory maintained under this section any parcel transferred to the government of Guam prior to the date of the enactment of this Act, without regard to whether or not the parcel is included in the inventory under subsection (b).

(e) PUBLIC NOTIFICATION.—The Secretary shall publish and update on a public website of the United States Government the following information:

(1) The inventory maintained under subsection (a), including the parcels required to be included in such inventory under subsection (b).

(2) All requests submitted by the Governor under subsection (c), including any proposed public benefit use or public purpose specified in any such request.

(3) A copy of each response provided by the Secretary to each request submitted by the Governor under subsection (c).

(4) A description of each parcel of land transferred by the Secretary to the territorial government after January 20, 2011, including the following:

(A) The approximate size of the parcel.

(B) An estimate of the fair market value of the parcel, if available or as practicable.

(C) The specific legal authority under which the Secretary transferred the parcel to the territorial government.

(D) The date the parcel was transferred to the territorial government.

(f) DEFINITIONS.—In this section, the following definitions apply:

(1) 2017 NET NEGATIVE REPORT.—The term "2017 Net Negative Report" means the report submitted by the Secretary of the Navy, on behalf of the Secretary of Defense, under section 2208 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2695) regarding the status of the implementation of the "net negative" policy regarding the total number of acres of the real property controlled by the Department of the Navy or the Department of Defense on Guam.

(2) GOVERNOR.—The term "Governor" means the Governor of the territory of Guam.

(3) SECRETARY.—The term "Secretary" means the Secretary of the Navy.

(4) TERRITORIAL GOVERNMENT.—The term "territorial government" means the government of Guam established under the Organic Act of Guam (48 U.S.C. 1421 et seq.).

SEC. 2848. MODIFICATION OF CONDITIONS ON LAND CONVEYANCE, JOLIET ARMY AMMUNITION PLANT, ILLINOIS.

Section 2922(c) of the Military Construction Authorization Act for Fiscal Year 1996 (division B of Public Law 104–106; 110 Stat. 605), as amended by section 2842 of the Military Construction Authorization Act for Fiscal Year 2000 (division B of Public Law 106–65; 113 Stat. 863) and section 2838 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291; 128 Stat. 3710), is amended—

(1) by striking "(1) The conveyance" and inserting "The conveyance"; and

(2) by striking paragraph (2).

SEC. 2849. LAND CONVEYANCE, NAVAL ACADEMY DAIRY FARM, GAMBRILLS, MARYLAND.

(a) CONVEYANCE AUTHORIZED.—Notwithstanding section 6976 of title 10, United States Code, the Secretary of the Navy may convey and release to Anne Arundel County, Maryland (in this section referred to as the "County") all right, title, and interest of the United States in and to the real property, including any improvements thereon, consisting of approximately 40 acres at the property commonly referred to as the Naval Academy dairy farm located in Gambrills, Maryland (in this section referred to as the "Dairy Farm"), for use in support of a public park, recreational area, and additional public uses.

(b) CONSIDERATION.—

(1) CONSIDERATION REQUIRED.—As consideration for the conveyance and release under subsection (a), the County shall provide an amount that is equivalent to the fair market value to the Department of the Navy of the right, title, and interest conveyed and released under such subsection, based on an appraisal approved by the Secretary of the Navy. The consideration under this paragraph may be provided by cash payment, in-kind consideration, or a combination thereof, at such time as the Secretary may require.

(2) IN-KIND CONSIDERATION.—In-kind consideration provided by the County under paragraph (1) may include the acquisition, construction, provision, improvement, maintenance, repair, or restoration (including environmental restoration), or combination thereof, of any facility, real property, or infrastructure under the jurisdiction of the Secretary.

(3) TREATMENT OF CONSIDERATION RECEIVED.—Consideration in the form of cash payment received by the Secretary under paragraph (1) shall be retained by the Superintendent of the Naval Academy and shall be available to cover expenses related to the Dairy Farm, including reimbursing non-appropriated fund instrumentalities of the Naval Academy.

(c) PAYMENT OF COST OF CONVEYANCE AND RELEASE.—

(1) PAYMENT REQUIRED.—The Secretary of the Navy shall require the County to pay costs to be incurred by the Secretary, or to reimburse the Secretary for such costs incurred by the Secretary, to carry out the conveyance and release under subsection (a), including survey costs, appraisal costs, costs for environmental documentation related to the conveyance and release, and any other administrative costs related to the conveyance and release. If amounts are collected from the County in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the conveyance and release or any costs incurred by the Secretary to administer the County's lease of the Dairy Farm, the Secretary shall refund the excess amount to the County.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received as reimbursement under paragraph (1) shall be credited to the fund or account that was used to pay the costs incurred by the

Secretary in carrying out the conveyance and release under subsection (a) or, if the period of availability of obligations for that appropriation has expired, to the appropriations of fund that is currently available to the Secretary for the same purpose. Amounts so credited shall be merged with amounts in such fund or account and shall be available for the same purposes, and subject to the same conditions and limitations, as amounts in such fund or account.

(d) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the property which is subject to conveyance and release under subsection (a) shall be determined by a survey satisfactory to the Secretary of the Navy.

(e) ADDITIONAL TERMS AND CONDITIONS.—The Secretary of the Navy may require such additional terms and conditions in connection with the conveyance and release under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

(f) NO EFFECT ON EXISTING LEASES GOVERNING PROPERTY NOT SUBJECT TO CONVEYANCE.—Nothing in this section or in any conveyance and release carried out pursuant to this section may be construed to affect the terms, conditions, or applicability of any existing agreement entered into between the Country and the Secretary of the Navy which governs the use of any portion of the Dairy Farm which is not subject to conveyance and release under this section.

SEC. 2850. TECHNICAL CORRECTION OF DESCRIPTION OF LIMESTONE HILLS TRAINING AREA LAND WITHDRAWAL AND RESERVATION, MONTANA.

Section 2931(b) of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113–66; 127 Stat. 1031) is amended by striking "18,644 acres" and all that follows through "April 10, 2013" and inserting the following: "18,964 acres in Broadwater County, Montana, generally depicted as 'Limestone Hills Training Area Land Withdrawal' on the map entitled 'Limestone Hills Training Area Land Withdrawal', dated May 11, 2017".

SEC. 2851. LAND CONVEYANCE, WASATCH-CACHE NATIONAL FOREST, RICH COUNTY, UTAH.

(a) LAND CONVEYANCE AUTHORIZED.—Subject to valid existing rights, not later than 6 months after the date of the enactment of this section, the Secretary of Agriculture shall convey, without consideration, to the Utah State University Research Foundation, (in this section referred to as the "Foundation") all right, title, and interest of the United States in and to a parcel of real property consisting of approximately 80 acres, including improvements thereon, located outside of the boundaries of the Wasatch-Cache National Forest, Rich County, Utah, within Sections 19 and 30, Township 14 North, Range 5 East, Salt Lake Base and Meridian for the purpose of permitting the Foundation to use the property for scientific and educational purposes.

(b) REVERSIONARY INTEREST.—If the Secretary of Agriculture determines at any time that the real property conveyed under subsection (a) is not being used in accordance with the purpose of the conveyance specified in such subsection, all right, title and interest in and to such real property, including any improvements thereto, shall, at the option of the Secretary, revert to and become the property of the United States, and the United States shall have the right

of immediate entry onto such real property. A determination by the Secretary under this subsection shall be made on the record after an opportunity for a hearing.

(c) PAYMENT OF COSTS OF CONVEYANCE.—

(1) PAYMENT REQUIRED.—The Secretary of Agriculture shall require the Foundation to cover the costs (except any costs for environmental remediation of the property) to be incurred by the Secretary, or to reimburse the Secretary for such costs incurred by the Secretary, to carry out the conveyance under subsection (a), including survey costs, costs for environmental documentation, and any other administrative costs related to the conveyance. If amounts are collected from the Foundation in advance of the Secretary incurring the actual costs, and the amount collected exceeds the costs actually incurred by the Secretary to carry out the conveyance, the Secretary shall refund the excess amount to the Foundation.

(2) TREATMENT OF AMOUNTS RECEIVED.—Amounts received as reimbursement under paragraph (1) shall be credited to the fund or account that was used to cover those costs incurred by the Secretary in carrying out the conveyance. Amounts so credited shall be merged with amounts in such fund or account, and shall be available for the same purposes, and subject to the same conditions and limitations, as amounts in such fund or account.

(d) DESCRIPTION OF PROPERTY.—The exact acreage and legal description of the property to be conveyed under subsection (a) shall be determined by a survey satisfactory to the Secretary of Agriculture.

(e) ADDITIONAL TERMS AND CONDITIONS.—The Secretary of Agriculture may require such additional terms and conditions in connection with the conveyance under subsection (a) as the Secretary considers appropriate to protect the interests of the United States.

SEC. 2852. COMMEMORATION OF FREEDMAN'S VILLAGE.

(a) FREEDMAN'S VILLAGE GATE.—The Secretary of the Army shall, as part of the southern expansion of Arlington National Cemetery, name the newly constructed gate located at the intersection of Hobson Drive and Southgate Road, "Freedman's Village Gate".

(b) PERMANENT EASEMENT.—The Secretary of the Army is directed to grant to Arlington County a permanent easement of no less than 0.1 acres of land within the right-of-way of Southgate Road to the south and west of Hobson Drive and west of the planned joint base access road that is also continuous with Foxcroft Heights Park for the purpose of commemorating Freedman's Village.

(c) RELOCATION OF COMMEMORATION IN EVENT LOCATION IS USED FOR BURIAL PURPOSES.—In the event Arlington National Cemetery subsequently acquires the property used for the commemoration described under subsection (b) for burial purposes, the Army shall relocate any commemoration of Freedman's Village to an appropriate location.

(d) REIMBURSEMENT.—The Secretary of Defense may accept reimbursement from Arlington County for any costs associated with commemorating Freedman's Village.

Subtitle D—Other Matters

SEC. 2861. DEFENSE COMMUNITY INFRASTRUCTURE PILOT PROGRAM.

Section 2391 of title 10, United States Code, is amended—

(1) by redesignating subsections (d) and (e) as subsections (e) and (f), respectively;

(2) by inserting after subsection (c) the following new subsection:

"(d) DEFENSE COMMUNITY INFRASTRUCTURE PILOT PROGRAM.—(1) The Secretary of Defense may make grants, conclude cooperative agreements, and supplement funds available under Federal programs administered by agencies other than the Department of Defense to assist State and local governments to address deficiencies in community infrastructure supportive of a military installation, if the Secretary determines that such assistance will enhance the military value, resilience, or military family quality of life at such military installation.

"(2) The Secretary shall establish criteria for the selection of community infrastructure projects to receive assistance under paragraph (1). The criteria shall include a requirement that the State or local government agree to contribute not less than 30 percent of the funding for the community infrastructure project, unless the community infrastructure project is located in a rural area, or for reasons related to national security, in which case the Secretary may waive the requirement for a State or local government contribution.

"(3) Amounts appropriated or otherwise made available for assistance under paragraph (1) may remain available until expended.

"(4) The authority under this subsection shall expire upon the expiration of the 10-year period which begins on the date of the enactment of the National Defense Authorization Act for Fiscal Year 2019."; and

(3) in subsection (e), as redesignated by paragraph (1), by adding at the end the following new paragraphs:

"(4) The term 'community infrastructure' means any transportation project; school, hospital, police, fire, emergency response, or other community support facility; or water, wastewater, telecommunications, electric, gas, or other utility infrastructure project that is located off of a military installation and owned by a State or local government.

"(5) The term 'rural area' means a city, town, or unincorporated area that has a population of not more than 50,000 inhabitants.".

SEC. 2862. STRATEGIC PLAN TO IMPROVE CAPABILITIES OF DEPARTMENT OF DEFENSE TRAINING RANGES AND INSTALLATIONS.

(a) PLAN REQUIRED.—The Secretary of Defense shall develop and implement a comprehensive strategic plan to identify and address deficits in the capabilities of Department of Defense training ranges to support current and anticipated readiness requirements to execute the National Defense Strategy (NDS).

(b) EVALUATION.—As part of the preparation of the strategic plan, the Secretary shall conduct an evaluation of the following:

(1) The adequacy of current training range resources to include the ability to train against near-peer or peer threats in a realistic 5th Generation environment.

(2) The adequacy of current training enablers to meet current and anticipated demands of the Armed Forces.

(c) ELEMENTS.—The strategic plan shall include the following:

(1) An integrated priority list of location-specific proposals and/or infrastructure project priorities, with associated Department of Defense Form 1391 documentation, required to both address any limitations or constraints on current Department resources, including any climatically induced impacts or shortfalls, and achieve full spectrum training (integrating virtual and constructive entities into live training) against a more technologically advanced peer adversary.

(2) Goals and milestones for tracking actions under the plan and measuring progress in carrying out such actions.

(3) Projected funding requirements for implementing actions under the plan.

(d) DEVELOPMENT AND IMPLEMENTATION.—The Under Secretary of Defense for Acquisition and Sustainment, as the principal staff assistant to the Secretary on installation management, shall have lead responsibility for developing and overseeing implementation of the strategic plan and for coordination of the discharge of the plan by components of the Department.

(e) REPORT ON IMPLEMENTATION.—Not later than April 1, 2020, the Secretary shall, through the Under Secretary of Defense for Acquisition and Sustainment, submit to Congress a report on the progress made in implementing this section, including the following:

(1) A description of the strategic plan.

(2) A description of the results of the evaluation conducted under subsection (b).

(3) Such recommendations as the Secretary considers appropriate with respect to improvements of the capabilities of training ranges and enablers.

(f) PROGRESS REPORTS.—Not later than April 1, 2019, and annually thereafter for 3 years, the Secretary shall, through the Under Secretary, submit to Congress a report setting forth the following:

(1) A description of the progress made during the preceding fiscal year in implementing the strategic plan.

(2) A description of any additional actions taken, or to be taken, to address limitations and constraints on training ranges and enablers.

(3) Assessments of individual training ranges addressing the evaluation conducted under subsection (b).

(g) ADDITIONAL REPORT ELEMENT.—Each report under subsections (e) and (f) shall also include a list of significant modifications to training range inventory, such as range closures or expansions, during the preceding fiscal year, including any limitations or impacts due to climatic conditions.

SEC. 2863. RESTRICTIONS ON USE OF FUNDS FOR DEVELOPMENT OF PUBLIC INFRASTRUCTURE IN COMMONWEALTH OF NORTHERN MARIANA ISLANDS.

(a) RESTRICTION.—If the Secretary of Defense determines that any grant, cooperative agreement, transfer of funds to another Federal agency, or supplement of funds available under Federal programs administered by agencies other than the Department of Defense will result in the development (including repair, replacement, renovation, conversion, improvement, expansion, acquisition, or con-

struction) of public infrastructure in the Commonwealth of the Northern Mariana Islands (hereafter in this section referred to as the "Commonwealth"), the Secretary of Defense may not carry out such grant, transfer, cooperative agreement, or supplemental funding unless such grant, transfer, cooperative agreement, or supplemental funding—

(1) is specifically authorized by law; and

(2) will be used to carry out a public infrastructure project included in the report submitted under subsection (b).

(b) REPORT OF ECONOMIC ADJUSTMENT COMMITTEE.—

(1) CONVENING OF COMMITTEE.—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense, as the chair of the Economic Adjustment Committee established in Executive Order No. 127887 (10 U.S.C. 2391 note), shall convene the Economic Adjustment Committee to consider assistance, including assistance to support public infrastructure projects, necessary to support changes in Department of Defense activities in the Commonwealth.

(2) REPORT.—Not later than 180 days after convening the Economic Adjustment Committee under paragraph (1), the Secretary shall submit to the congressional defense committees a report—

(A) describing the results of the Economic Adjustment Committee deliberations required by paragraph (1); and

(B) containing a description of any assistance the Committee determines to be necessary to support changes in Department of Defense activities in the Commonwealth, including any public infrastructure projects the Committee determines should be carried out with such assistance.

(c) PUBLIC INFRASTRUCTURE DEFINED.—In this section, the term "public infrastructure" means any utility, method of transportation, item of equipment, or facility under the control of a public entity or State or local government that is used by, or constructed for the benefit of, the general public.

SEC. 2864. STUDY AND REPORT ON INCLUSION OF COLEMAN BRIDGE, YORK RIVER, VIRGINIA, IN STRATEGIC HIGHWAY NETWORK.

(a) STUDY.—The Commander of the United States Transportation Command shall conduct a study of the feasibility and desirability of including the George P. Coleman Memorial Bridge on the York River, Virginia, and United States Route 17 in the Strategic Highway Network.

(b) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Commander shall submit to the congressional defense committees a report on the results of the study conducted under subsection (a).

SEC. 2865. DEFENSE ACCESS ROADS RELATING TO CLOSURES DUE TO SEA LEVEL FLUCTUATION AND FLOODING.

(a) AUTHORITY.—Section 210(a)(1) of title 23, United States Code, is amended by striking "closures or restrictions" and inserting "closures, closures due to mean sea level fluctuation and flooding, or restrictions".

(b) USE OF FUNDS.—Section 210 of title 23, United States Code, is amended by adding at the end the following:

"(i) Beginning in fiscal year 2019, funds appropriated for the purposes of this section shall be available to pay the cost of repairing damage caused to, and for any infrastructure to mitigate the risks posed to, highways by recurrent flooding and sea level fluctuation, if the Secretary of Defense shall determine that continued access to a military installation has been impacted by past flooding and mean sea level fluctuation.".

SEC. 2866. AUTHORITY TO TRANSFER FUNDS FOR CONSTRUCTION OF INDIAN RIVER BRIDGE.

Notwithstanding the limitation in section 2215 of title 10, United States Code, the Secretary of Defense may transfer to the Administrator of the National Aeronautics and Space Administration up to 50 percent of the shared costs of constructing the Indian River Bridge. The authority under this section shall expire on October 1, 2022.

SEC. 2867. PLAN TO ALLOW INCREASED PUBLIC ACCESS TO THE NATIONAL NAVAL AVIATION MUSEUM AND BARRANCAS NATIONAL CEMETERY, NAVAL AIR STATION PENSACOLA.

Not later than 90 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a plan to allow increased public access to the National Naval Aviation Museum and Barrancas National Cemetery at Naval Air Station Pensacola.

TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

Sec. 2901. Authorized Army construction and land acquisition projects.
Sec. 2902. Authorized Navy construction and land acquisition projects.
Sec. 2903. Authorized Air Force construction and land acquisition projects.
Sec. 2904. Authorized defense agencies construction and land acquisition projects.
Sec. 2905. Authorization of appropriations.
Sec. 2906. Restrictions on use of funds for planning and design costs of European Deterrence Initiative projects.

SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Army may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

Army: Outside the United States

Country	*Location*	*Amount*
Bulgaria	*Nevo Selo FOS*	*$5,200,000*
Poland	*Drawsko Pomorski Training Area*	*$17,000,000*
	Powidz Air Base	*$87,000,000*
	Zagan Training Area	*$40,400,000*
Romania	*Mihail Kogalniceanu FOS*	*$21,651,000*

SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Navy may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

Navy: Outside the United States

Country	*Location*	*Amount*
Greece	*Naval Support Activity Souda Bay*	*$47,850,000*
Italy	*Naval Air Station Sigonella*	*$66,050,000*
Spain	*Naval Station Rota*	*$21,590,000*
United Kingdom	*Lossiemouth*	*$79,130,000*

SEC. 2903. AUTHORIZED AIR FORCE CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of the Air Force may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

Air Force: Outside the United States

Country	*Location*	*Amount*
Germany	*Ramstein Air Base*	*$119,000,000*
Norway	*Rygge*	*$13,800,000*
Qatar	*Al Udeid*	*$70,400,000*
Slovakia	*Malacky*	*$59,000,000*
United Kingdom	*RAF Fairford*	*$106,000,000*

SEC. 2904. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECTS.

The Secretary of Defense may acquire real property and carry out the military construction projects for the installations outside the United States, and in the amounts, set forth in the following table:

Defense Agencies: Outside the United States

Country	*Location*	*Amount*
Estonia	*Unspecified Estonia*	*$15,700,000*
Qatar	*Al Udeid*	*$60,000,000*

SEC. 2905. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal years beginning after September 30, 2018, for the military construction projects outside the United States authorized by this title as specified in the funding table in section 4602.

SEC. 2906. RESTRICTIONS ON USE OF FUNDS FOR PLANNING AND DESIGN COSTS OF EUROPEAN DETERRENCE INITIATIVE PROJECTS.

None of the funds authorized to be appropriated for military construction projects outside the United States authorized by this title may be obligated or expended for planning and design costs of any project associated with the European Deterrence Initiative until the Secretary of Defense submits to the congressional defense committees a list of all of the military construction projects associated with the European Deterrence Initiative which the Secretary anticipates will be carried out during each of the fiscal years 2019 through 2023.

DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY AUTHORIZATIONS AND OTHER AUTHORIZATIONS

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Subtitle A—National Security Programs and Authorizations

Sec. 3101. National Nuclear Security Administration.
Sec. 3102. Defense environmental cleanup.
Sec. 3103. Other defense activities.
Sec. 3104. Nuclear energy.

Subtitle B—Program Authorizations, Restrictions, and Limitations

Sec. 3111. Development of low-yield nuclear weapons.
Sec. 3112. Department of Energy counterintelligence polygraph program.
Sec. 3113. Inclusion of capital assets acquisition projects in activities by Director for Cost Estimating and Program Evaluation.
Sec. 3114. Modification of authority for acceptance of contributions for acceleration of removal or security of fissile materials, radiological materials, and related equipment at vulnerable sites worldwide.
Sec. 3115. Notification regarding air release of radioactive or hazardous material at Hanford Nuclear Reservation.
Sec. 3116. Amendments to the Atomic Energy Act of 1954.
Sec. 3117. Extension of enhanced procurement authority to manage supply chain risk.
Sec. 3118. Hanford waste tank cleanup program.
Sec. 3119. Use of funds for construction and project support activities relating to MOX facility.
Sec. 3120. Plutonium pit production.
Sec. 3121. Pilot program on conduct by Department of Energy of background reviews for access by certain individuals to national security laboratories.
Sec. 3122. Prohibition on availability of funds for programs in Russian Federation.
Sec. 3123. Prohibition on availability of funds for research and development of advanced naval nuclear fuel system based on low-enriched uranium.
Sec. 3124. Limitation on availability of funds relating to submission of annual reports on unfunded priorities.

Subtitle C—Plans and Reports

Sec. 3131. Modifications to cost-benefit analyses for competition of management and operating contracts.
Sec. 3132. Nuclear forensics analyses.
Sec. 3133. Review of defense environmental cleanup activities.
Sec. 3134. Whistleblower protections.
Sec. 3135. Implementation of Nuclear Posture Review by National Nuclear Security Administration.
Sec. 3136. Survey of workforce of national security laboratories and nuclear weapons production facilities.
Sec. 3137. Elimination of certain reports.

Subtitle D—Other Matters

Sec. 3141. Acceleration of replacement of cesium blood irradiation sources.
Sec. 3142. Sense of Congress regarding compensation of individuals relating to uranium mining and nuclear testing.

Subtitle A—National Security Programs and Authorizations

SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) AUTHORIZATION OF APPROPRIATIONS.—Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 for the activities of the National Nuclear Security Administration in carrying out programs as specified in the funding table in section 4701.

(b) AUTHORIZATION OF NEW PLANT PROJECTS.—From funds referred to in subsection (a) that are available for carrying out plant

projects, the Secretary of Energy may carry out new plant projects for the National Nuclear Security Administration as follows:

Project 19–D–660, Lithium Production Capability, Y–12 National Security Complex, Oak Ridge, Tennessee, $19,000,000.

Project 19–D–670, 138k Power Transmission System Replacement, Nevada National Security Site, Mercury, Nevada, $6,000,000.

Project 19–D–930, KS Overhead Piping, Kesselring Site, West Milton, New York, $10,994,000.

SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 for defense environmental cleanup activities in carrying out programs as specified in the funding table in section 4701.

SEC. 3103. OTHER DEFENSE ACTIVITIES.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 for other defense activities in carrying out programs as specified in the funding table in section 4701.

SEC. 3104. NUCLEAR ENERGY.

Funds are hereby authorized to be appropriated to the Department of Energy for fiscal year 2019 for nuclear energy as specified in the funding table in section 4701.

Subtitle B—Program Authorizations, Restrictions, and Limitations

SEC. 3111. DEVELOPMENT OF LOW-YIELD NUCLEAR WEAPONS.

(a) AUTHORIZATION.—The Secretary of Energy, acting through the Administrator for Nuclear Security, may carry out the engineering development phase, and any subsequent phase, to modify or develop a low-yield nuclear warhead for submarine-launched ballistic missiles.

(b) MODIFICATION OF LIMITATION ON DEVELOPMENT.—Section 3116(c) of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136; 117 Stat. 1746; 50 U.S.C. 2529 note) is amended by striking "specifically authorized by Congress" and inserting "the Secretary specifically requests funding for the development of that weapon pursuant to section 4209(a) of the Atomic Energy Defense Act (50 U.S.C. 2529(a))".

(c) REQUIREMENT FOR AUTHORIZATION OF APPROPRIATIONS.—Section 4209(a)(1) of the Atomic Energy Defense Act (50 U.S.C. 2529(a)(1)) is amended—

(1) by striking "the Secretary shall" and inserting the following: "the Secretary—

"(A) shall"; and

(2) by striking the period at the end and inserting "; and"; and

"(B) may carry out such activities only if amounts are authorized to be appropriated for such activities by an Act of Congress consistent with section 660 of the Department of Energy Organization Act (42 U.S.C. 7270).".

SEC. 3112. DEPARTMENT OF ENERGY COUNTERINTELLIGENCE POLYGRAPH PROGRAM.

Section 4504(b) of the Atomic Energy Defense Act (50 U.S.C. 2654(b)) is amended by adding at the end the following new paragraph:

"(4) In the event of a counterintelligence investigation, the regulations prescribed under paragraph (1) may ensure that the persons subject to the counterintelligence polygraph program required by subsection (a) include any person who is—

"(A) a national of the United States (as such term is defined in section 101 of the Immigration and Nationality Act (8 U.S.C. 1101)) and also a national of a foreign state; and

"(B) an employee or contractor who requires access to classified information.".

SEC. 3113. INCLUSION OF CAPITAL ASSETS ACQUISITION PROJECTS IN ACTIVITIES BY DIRECTOR FOR COST ESTIMATING AND PROGRAM EVALUATION.

(a) IN GENERAL.—Section 3221 of the National Nuclear Security Administration Act (50 U.S.C. 2411) is amended—

(1) by redesignating subsection (h) as subsection (i);

(2) by inserting after subsection (g) the following new subsection:

"(h) RULE OF CONSTRUCTION.—Nothing in this section shall be construed to require duplicate reviews or cost estimates for major atomic energy defense acquisition programs by the Administration or other elements of the Department of Energy."; and

(3) in subsection (i)(2), as redesignated by paragraph (1)—

(A) by striking "PROGRAM.—" and all that follows through ", the term" and inserting "PROGRAM.—The term";

(B) by striking subparagraph (B); and

(C) by redesignating clauses (i) and (ii) as subparagraphs (A) and (B), respectively, and by moving such subparagraphs, as so redesignated, two ems to the left.

(b) EFFECTIVE DATE.—The amendments made by subsection (a) shall take effect on the date that is 18 months after the date of the enactment of this Act.

(c) BRIEFING.—Not later than one year after the date of the enactment of this Act, the Administrator for Nuclear Security and the Secretary of Energy shall jointly brief the congressional defense committees on a plan for implementing the amendments made by subsection (a)(3) in a manner that avoids duplication of reviews and cost estimates with respect to major atomic energy defense acquisition programs.

SEC. 3114. MODIFICATION OF AUTHORITY FOR ACCEPTANCE OF CONTRIBUTIONS FOR ACCELERATION OF REMOVAL OR SECURITY OF FISSILE MATERIALS, RADIOLOGICAL MATERIALS, AND RELATED EQUIPMENT AT VULNERABLE SITES WORLDWIDE.

Section 3132(f) of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (50 U.S.C. 2569(f)) is amended—

(1) by striking paragraph (5);

(2) by redesignating paragraphs (6) and (7) as paragraphs (5) and (6), respectively; and

(3) in paragraph (6), as redesignated by paragraph (2), by striking "December 31, 2018" and inserting "December 31, 2023".

SEC. 3115. NOTIFICATION REGARDING AIR RELEASE OF RADIOACTIVE OR HAZARDOUS MATERIAL AT HANFORD NUCLEAR RESERVATION.

(a) IN GENERAL.—Subtitle C of title XLIV of the Atomic Energy Defense Act (50 U.S.C. 2621 et seq.) is amended by adding at the end the following new section:

"SEC. 4447. NOTIFICATION REGARDING AIR RELEASE OF RADIOACTIVE OR HAZARDOUS MATERIAL.

"If the Secretary of Energy (or a designee of the Secretary) is notified of an improper release into the air of radioactive or hazardous material above applicable statutory or regulatory limits that resulted from waste generated by atomic energy defense activities at the Hanford Nuclear Reservation, Richland, Washington, the Secretary (or designee of the Secretary) shall—

"(1) not later than two business days after being notified of the release, notify the congressional defense committees of the release; and

"(2) not later than seven business days after being notified of the release, provide the congressional defense committees a briefing on the status of the release, including—

"(A) the cause of the release, if known; and

"(B) preliminary plans to address and remediate the release, including associated costs and timelines.".

(b) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by inserting after the item relating to section 4446 the following new item:

"Sec. 4447. Notification regarding air release of radioactive or hazardous material.".

SEC. 3116. AMENDMENTS TO THE ATOMIC ENERGY ACT OF 1954.

(a) CLARIFICATION OF PROHIBITION ON DELEGATION OF AUTHORITY RELATING TO SPECIAL NUCLEAR MATERIAL.—Section 161 n. of the Atomic Energy Act of 1954 (42 U.S.C. 2201(n)) is amended by striking "57 b.," and inserting "57 b. (with respect to enrichment and reprocessing of special nuclear material or with respect to transfers to any covered foreign country (as defined in section 3136(i) of the National Defense Authorization Act for Fiscal Year 2016 (42 U.S.C. 2077a(i))),".

(b) CIVIL PENALTIES.—Section 234 a. of the Atomic Energy Act of 1954 (42 U.S.C. 2282(a)) is amended—

(1) by striking "57,"; and

(2) by striking "or (2)" and inserting "(2) violates any provision of section 57, or (3)".

(c) REPORT.—Section 3136(e)(2) of the National Defense Authorization Act for Fiscal Year 2016 (42 U.S.C. 2077a(e)(2)) is amended—

(1) by redesignating subparagraphs (C) and (D) as subparagraphs (D) and (E), respectively; and

(2) by inserting after subparagraph (B) the following new subparagraph (C):

"(C) for each such application, an identification of any officer to which the authorization under such section 57 b.

was delegated pursuant to section 161 n. of that Act (42 U.S.C. 2201(n));".

SEC. 3117. EXTENSION OF ENHANCED PROCUREMENT AUTHORITY TO MANAGE SUPPLY CHAIN RISK.

(a) EXTENSION.—Subsection (g) of section 4806 of the Atomic Energy Defense Act (50 U.S.C. 2786) is amended to read as follows:

"(g) TERMINATION.—The authority under this section shall terminate on June 30, 2023.".

(b) TECHNICAL AMENDMENT.—Subsection (f)(5)(A) of such section is amended by striking "section 3542(b) of title 44" and inserting "section 3552(b) of title 44".

SEC. 3118. HANFORD WASTE TANK CLEANUP PROGRAM.

Section 4442(e) of the Atomic Energy Defense Act (50 U.S.C. 2622(e)) is amended by striking "2019" and inserting "2024".

SEC. 3119. USE OF FUNDS FOR CONSTRUCTION AND PROJECT SUPPORT ACTIVITIES RELATING TO MOX FACILITY.

(a) IN GENERAL.—Except as provided by subsection (b), the Secretary of Energy shall carry out construction and project support activities relating to the MOX facility using funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the National Nuclear Security Administration for the MOX facility.

(b) WAIVER.—The Secretary may waive the requirement under subsection (a) if the Secretary submits to the congressional defense committees the matters specified in section 3121(b)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1892).

(c) DEFINITIONS.—In this section:

(1) MOX FACILITY.—The term "MOX facility" means the mixed-oxide fuel fabrication facility at the Savannah River Site, Aiken, South Carolina.

(2) PROJECT SUPPORT ACTIVITIES.—The term "project support activities" means activities that support the design, long-lead equipment procurement, and site preparation of the MOX facility.

SEC. 3120. PLUTONIUM PIT PRODUCTION.

(a) STATEMENT OF POLICY.—It is the policy of the United States that—

(1) Los Alamos National Laboratory, Los Alamos, New Mexico, is the Plutonium Science and Production Center of Excellence for the United States; and

(2) Los Alamos National Laboratory will produce a minimum of 30 pits per year for the national pit production mission and will implement surge efforts to exceed 30 pits per year to meet Nuclear Posture Review and national policy.

(b) INDEPENDENT ASSESSMENT OF PLUTONIUM STRATEGY.—

(1) IN GENERAL.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Administrator for Nuclear Security, shall seek to enter into a contract with a federally funded research and development center to conduct an assessment of the plutonium strategy of the National Nuclear Security Administration. The assessment shall include—

(A) an analysis of the engineering assessment and analysis of alternatives, including an analysis of each of the four major options contained within the engineering assessment;

(B) an assessment of the risks and benefits involved in each such option, including risks and benefits related to cost, schedule, licensing, labor availability, and workforce development, and effects on and from other programs;

(C) a description of the strategies considered by the National Nuclear Security Administration to reduce those risks; and

(D) an assessment of the strategy considered for manufacturing up to 80 pits per year at Los Alamos National Laboratory through the use of multiple labor shifts and additional equipment at PF–4 until modular facilities are completed to provide a long-term, single-labor shift capacity.

(2) SELECTION.—The Secretary may not enter into the contract under paragraph (1) with a federally funded research and development center for which the Department of Energy or the National Nuclear Security Administration is the primary sponsor.

(3) ACCESS TO INFORMATION.—The federally funded research and development center with which the Secretary enters into the contract under paragraph (1) shall have full and direct access to all information related to pit production, including information of the National Nuclear Security Administration and its management and operating contractors.

(4) REPORT REQUIRED.—Not later than April 1, 2019, the federally funded research and development center with which the Secretary enters into the contract under paragraph (1) shall submit to the Secretary, the Administrator, and the Nuclear Weapons Council established under section 179 of title 10, United States Code, a report containing the assessment required by paragraph (1).

(5) SUBMISSION TO CONGRESS.—Not later than April 15, 2019, the Secretary shall submit to the congressional defense committees the report required by paragraph (4), without change.

(c) REPORT ON PIT PRODUCTION AT LOS ALAMOS NATIONAL LABORATORY.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Administrator shall submit to the congressional defense committees a report containing—

(A) a detailed plan to produce 30 pits per year at Los Alamos National Laboratory by 2026, including—

(i) equipment and other construction already planned at the Chemistry and Metallurgy Research Replacement Facility;

(ii) additional equipment or labor necessary to produce such pits; and

(iii) effects on and from other ongoing programs at Los Alamos National Laboratory; and

(B) a detailed plan for designing and carrying out production of plutonium pits 31–80 at Los Alamos National

Laboratory, in case the MOX facility is not operational and producing pits by 2030.

(2) ASSESSMENT.—Not later than 120 days after the submission of the report required by paragraph (1), the Director for Cost Estimating and Program Evaluation of the National Nuclear Security Administration shall submit to the congressional defense committees an assessment of that report, including an assessment of the effect of increased ARIES activity in support of the dilute and dispose program on the plutonium pit production mission.

(d) BRIEFING.—Not later than March 1, 2019, the Chairman of the Nuclear Weapons Council and the Administrator shall jointly provide to the congressional defense committees a briefing detailing the implementation plan for the plutonium strategy of the National Nuclear Security Administration, including milestones, accountable personnel for such milestones, and mechanisms for ensuring transparency into the progress of such strategy for the Department of Defense and the congressional defense committees.

(e) ANNUAL CERTIFICATION.—Not later than April 1, 2019, and each year thereafter through 2025, the Chairman shall submit to the Secretary, the Administrator, and the congressional defense committees a written certification that the plutonium pit production plan of the National Nuclear Security Administration is on track to meet—

(1) the military requirement of 80 pits per year by 2030, or such other military requirement as determined by the Secretary;

(2) the statutory requirements for pit production timelines under section 4219 of the Atomic Energy Defense Act (50 U.S.C. 2538a); and

(3) all milestones and deliverables described in the plans required by subsection (c)(1).

(f) FAILURE TO CERTIFY.—

(1) NWC NOTIFICATION.—If in any year the Chairman is unable to submit the certification under subsection (e), the Chairman shall submit to the congressional defense committees, the Secretary, and the Administrator written notification describing why the Chairman is unable to make such certification.

(2) NNSA RESPONSE.—Not later than 180 days after the date on which the Chairman makes a notification under paragraph (1), the Administrator shall submit to the congressional defense committees, the Secretary, and the Chairman a report that—

(A) addresses the reasons identified in the notification with respect to the failure to make the certification under subsection (e); and

(B) includes presentation of either a concurrent backup plan or a recovery plan, and the associated implementation schedules for such plan.

(g) DEFINITIONS.—In this section:

(1) ARIES.—The term "ARIES" means the Advanced Recovery and Integrated Extraction System method, developed and piloted at Los Alamos National Laboratory, Los Alamos, New Mexico, for disassembling surplus defense plutonium pits

and converting the plutonium from such pits into plutonium oxide.

(2) DILUTE AND DISPOSE APPROACH.—The term "dilute and dispose approach" means a method of blending plutonium oxide made from surplus defense plutonium with an inert mixture, then packaging and indefinitely disposing of the combined material in a geologic repository.

(3) MOX FACILITY.—The term "MOX facility" means the mixed-oxide fuel fabrication facility at the Savannah River Site, Aiken, South Carolina.

SEC. 3121. PILOT PROGRAM ON CONDUCT BY DEPARTMENT OF ENERGY OF BACKGROUND REVIEWS FOR ACCESS BY CERTAIN INDIVIDUALS TO NATIONAL SECURITY LABORATORIES.

(a) IN GENERAL.—The Secretary of Energy shall establish a pilot program to assess the feasibility and advisability of conducting background reviews required by section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) within the Department of Energy.

(b) REQUIREMENTS.—Under the pilot program established under subsection (a), the Secretary may admit an individual described in section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) to a facility of a national security laboratory described in that section if, in addition to the conduct of a background review under subsection (a) with respect to that individual—

(1) the Secretary determines that the admission of that individual to that facility is in the national interest and will further science, technology, and engineering capabilities in support of the mission of the Department of Energy; and

(2) a security plan is developed and implemented to mitigate the risks associated with the admission of that individual to that facility.

(c) ROLES OF SECRETARY AND DIRECTOR OF NATIONAL INTELLIGENCE AND DIRECTOR OF FEDERAL BUREAU OF INVESTIGATION.—

(1) ROLE OF SECRETARY.—Under the pilot program under subsection (a), the Secretary shall conduct background reviews for all individuals described in section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) seeking admission to facilities of national security laboratories described in that section. Such reviews by the Secretary shall be conducted independent of and in addition to background reviews conducted by the Director of National Intelligence and the Director of the Federal Bureau of Investigation under that section.

(2) ROLES OF DIRECTOR OF NATIONAL INTELLIGENCE AND DIRECTOR OF FEDERAL BUREAU OF INVESTIGATION.—Notwithstanding paragraph (1), during the period during which the pilot program established under subsection (a) is being carried out, the Director of National Intelligence and the Director of the Federal Bureau of Investigation shall retain primary responsibility for the conduct of all background reviews required by section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)).

(d) TERMINATION.—The pilot program established under subsection (a) shall terminate on the date that is two years after the date of the enactment of this Act.

(e) REPORT REQUIRED.—Not later than 90 days after the date on which the pilot program established under subsection (a) terminates under subsection (d), the Secretary of Energy, in consultation with the Director of National Intelligence and the Director of the Federal Bureau of Investigation, shall submit to the appropriate congressional committees a report on the conduct of background reviews under the pilot program that includes—

(1) a comparison of the effectiveness of and timelines required for background reviews conducted by the Secretary under the pilot program and background reviews conducted by the Director of National Intelligence and the Director of the Federal Bureau of Investigation under section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)); and

(2) the number of such reviews conducted for individuals who are citizens or agents of each country on the sensitive countries list referred to in that section.

(f) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the Committee on Armed Services and the Select Committee on Intelligence of the Senate; and

(B) the Committee on Armed Services and the Permanent Select Committee on Intelligence of the House of Representatives.

(2) NATIONAL SECURITY LABORATORY.—The term "national security laboratory" has the meaning given that term in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).

SEC. 3122. PROHIBITION ON AVAILABILITY OF FUNDS FOR PROGRAMS IN RUSSIAN FEDERATION.

(a) PROHIBITION.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for atomic energy defense activities may be obligated or expended to enter into a contract with, or otherwise provide assistance to, the Russian Federation.

(b) WAIVER.—The Secretary of Energy, without delegation, may waive the prohibition in subsection (a) only if—

(1) the Secretary determines, in writing, that a nuclear-related threat in the Russian Federation must be addressed urgently and it is necessary to waive the prohibition to address that threat;

(2) the Secretary of State and the Secretary of Defense concur in the determination under paragraph (1);

(3) the Secretary of Energy submits to the appropriate congressional committees a report containing—

(A) a notification that the waiver is in the national security interest of the United States;

(B) justification for the waiver, including the determination under paragraph (1); and

(C) a description of the activities to be carried out pursuant to the waiver, including the expected cost and timeframe for such activities; and

(4) a period of seven days elapses following the date on which the Secretary submits the report under paragraph (3).

(c) EXCEPTION.—The prohibition under subsection (a) and the requirements under subsection (b) to waive that prohibition shall

not apply to an amount, not to exceed $3,000,000, that the Secretary may make available for the Department of Energy Russian Health Studies Program.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means the following:

(1) The congressional defense committees.

(2) The Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives.

SEC. 3123. PROHIBITION ON AVAILABILITY OF FUNDS FOR RESEARCH AND DEVELOPMENT OF ADVANCED NAVAL NUCLEAR FUEL SYSTEM BASED ON LOW-ENRICHED URANIUM.

(a) PROHIBITION.—Except as provided by subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for the Department of Energy or the Department of Defense may be obligated or expended to plan or carry out research and development of an advanced naval nuclear fuel system based on low-enriched uranium.

(b) EXCEPTION.—In accordance with section 7319 of title 10, United States Code, of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2019 for defense nuclear nonproliferation, as specified in the funding table in section 4701, $10,000,000 shall be made available to the Deputy Administrator for Naval Reactors of the National Nuclear Security Administration for low-enriched uranium activities (including downblending of high-enriched uranium fuel into low-enriched uranium fuel, research and development using low-enriched uranium fuel, or the modification or procurement of equipment and infrastructure related to such activities) to develop an advanced naval nuclear fuel system based on low-enriched uranium.

SEC. 3124. LIMITATION ON AVAILABILITY OF FUNDS RELATING TO SUBMISSION OF ANNUAL REPORTS ON UNFUNDED PRIORITIES.

Section 4716 of the Atomic Energy Defense Act (50 U.S.C. 2756) is amended—

(1) by redesignating subsection (c) as subsection (d); and

(2) by inserting after subsection (b) the following new subsection (c):

"(c) LIMITATION.—If the Administrator fails to submit to the congressional defense committees a report required by subsection (a) for any of fiscal years 2020 through 2024 that includes the matters specified in subsection (b)(1) for at least one unfunded priority by the deadline specified in subsection (a), not more than 65 percent of the funds authorized to be appropriated or otherwise made available for the fiscal year in which such failure occurs for travel and transportation of persons under the Federal salaries and expenses account of the Administration may be obligated or expended until the date on which the Administrator submits such report.".

Subtitle C—Plans and Reports

SEC. 3131. MODIFICATIONS TO COST-BENEFIT ANALYSES FOR COMPETITION OF MANAGEMENT AND OPERATING CONTRACTS.

(a) IN GENERAL.—Subtitle A of title XLVIII of the Atomic Energy Defense Act (50 U.S.C. 2781 et seq.) is amended by adding at the end the following new section:

"SEC. 4807. COST-BENEFIT ANALYSES FOR COMPETITION OF MANAGEMENT AND OPERATING CONTRACTS.

"(a) BRIEFINGS ON REQUESTS FOR PROPOSALS.—Not later than 7 days after issuing a request for proposals for a contract to manage and operate a facility of the Administration, the Administrator shall brief the congressional defense committees on the preliminary assessment of the Administrator of the costs and benefits of the competition for the contract, including a preliminary assessment of the matters described in subsection (c) with respect to the contract.

"(b) REPORTS AFTER TRANSITION TO NEW CONTRACTS.—If the Administrator awards a new contract to manage and operate a facility of the Administration, the Administrator shall submit to the congressional defense committees a report that includes the matters described in subsection (c) with respect to the contract by not later than 30 days after the completion of the period required to transition to the contract.

"(c) MATTERS DESCRIBED.—The matters described in this subsection, with respect to a contract, are the following:

"(1) A clear and complete description of the cost savings the Administrator expects to result from the competition for the contract over the life of the contract, including associated analyses, assumptions, and information sources used to determine such expected cost savings.

"(2) A description of any key limitations or uncertainties that could affect such costs savings, including costs savings that are anticipated but not fully known.

"(3) The costs of the competition for the contract, including the immediate costs of conducting the competition, the costs of the transition to the contract from the previous contract, and any increased costs over the life of the contract.

"(4) A description of any disruptions or delays in mission activities or deliverables resulting from the competition for the contract.

"(5) A clear and complete description of the benefits expected by the Administrator with respect to mission performance or operations resulting from the competition.

"(6) How the competition for the contract complied with the Federal Acquisition Regulation regarding federally funded research and development centers, if applicable.

"(7) The factors considered and processes used by the Administrator to determine—

"(A) whether to compete or extend the previous contract; and

"(B) which activities at the facility should be covered under the contract rather than under a different contract.

"(8) With respect to the matters included under paragraphs (1) through (7), a detailed description of the analyses conducted by the Administrator to reach the conclusions presented in the

report, including any assumptions, limitations, and uncertainties relating to such conclusions.

"(9) Any other matters the Administrator considers appropriate.

"(d) INFORMATION QUALITY.—Each briefing required by subsection (a) and report required by subsection (b) shall be prepared in accordance with—

"(1) the information quality guidelines of the Department of Energy that are relevant to the clear and complete presentation of the matters described in subsection (c); and

"(2) best practices of the Government Accountability Office and relevant industries for cost estimating, if appropriate.

"(e) REVIEW OF REPORTS BY COMPTROLLER GENERAL OF THE UNITED STATES.—

"(1) INITIAL REVIEW.—The Comptroller General of the United States shall provide a briefing to the congressional defense committees that includes a review of each report required by subsection (b) not later than 180 days after the report is submitted to such committees.

"(2) COMPREHENSIVE REVIEW.—

"(A) DETERMINATION.—The Comptroller General shall determine, in consultation with the congressional defense committees, whether to conduct a comprehensive review of a report required by subsection (b).

"(B) SUBMISSION.—The Comptroller General shall submit a comprehensive review conducted under subparagraph (A) of a report required by subsection (b) to the congressional defense committees not later than 3 years after that report is submitted to such committees.

"(C) ELEMENTS.—A comprehensive review conducted under subparagraph (A) of a report required by subsection (b) shall include an assessment, based on the most current information available, of the following:

"(i) The actual cost savings achieved compared to cost savings estimated under subsection (c)(1), and any increased costs incurred under the contract that were unexpected or uncertain at the time the contract was awarded.

"(ii) Any disruptions or delays in mission activities or deliverables resulting from the competition for the contract compared to the disruptions and delays estimated under subsection (c)(4).

"(iii) Whether expected benefits of the competition with respect to mission performance or operations have been achieved.

"(iv) Such other matters as the Comptroller General considers appropriate.

"(f) APPLICABILITY.—

"(1) IN GENERAL.—The requirements for briefings under subsection (a) and reports under subsection (b) shall apply with respect to requests for proposals issued or contracts awarded, as applicable, by the Administrator during fiscal years 2019 through 2022.

"(2) NAVAL REACTORS.—The requirements for briefings under subsection (a) and reports under subsection (b) shall not

apply with respect to a management and operations contract for a Naval Reactor facility.".

(b) CLERICAL AMENDMENT.—The table of contents for the Atomic Energy Defense Act is amended by inserting after the item relating to section 4806 the following new item:

"Sec. 4807. Cost-benefit analyses for competition of management and operating contracts.".

(c) TERMINATION OF SUPERSEDED PROVISION.—Section 3121(e)(1) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239; 126 Stat. 2175), as most recently amended by section 3135 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1207), is further amended by striking "2020" and inserting "2018".

SEC. 3132. NUCLEAR FORENSICS ANALYSES.

(a) INDEPENDENT ASSESSMENT.—Not later than 30 days after the date of the enactment of this Act, the Secretary of Energy, in consultation with the Secretary of Defense and the Secretary of Homeland Security, shall seek to enter into an agreement with the National Academy of Sciences for an independent assessment of nuclear forensic analyses conducted by the Federal Government.

(b) ELEMENTS.—The assessment conducted by the National Academy of Sciences under subsection (a) shall, at minimum, include the following:

(1) An assessment of a representative sample of nuclear forensic analyses from across the Federal departments and agencies, with particular emphasis on the validity, quality, value, cost effectiveness, gaps, and timeliness of such analyses.

(2) An assessment of the methodologies used by nuclear forensics analyses from across the Federal departments and agencies, including the scientific rigor of such methodologies.

(3) Recommendations for improving nuclear forensics analyses conducted by the Federal Government, including any best practices or lessons learned that should be shared across the Federal departments and agencies.

(c) SUBMISSION.—Not later than one year after the date of the enactment of this Act, the Secretary of Energy shall submit to the appropriate congressional committees a report containing the assessment of the National Academy of Sciences under subsection (a).

(d) BRIEFING ON SENIOR-LEVEL INVOLVEMENT IN EXERCISES.—Not later than 90 days after the date of the enactment of this Act, the President shall provide to the appropriate congressional committees a briefing on the involvement of senior-level executive branch leadership in recent and planned nuclear terrorism preparedness or response exercises and any other exercises that have nuclear forensic analysis as a component of the exercises.

(e) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term "appropriate congressional committees" means—

(1) the congressional defense committees; and

(2) the Committee on Homeland Security of the House of Representatives and the Committee on Homeland Security and Governmental Affairs of the Senate.

SEC. 3133. REVIEW OF DEFENSE ENVIRONMENTAL CLEANUP ACTIVITIES.

(a) IN GENERAL.—The Secretary of Energy shall enter into an arrangement with the National Academies of Sciences, Engineering, and Medicine to conduct a review of the defense environmental cleanup activities of the Office of Environmental Management of the Department of Energy.

(b) ELEMENTS.—The review conducted under subsection (a) shall include—

(1) an assessment of—

(A) project management practices with respect to the activities described in subsection (a);

(B) the outcomes of such activities; and

(C) the appropriateness of the level of engagement and oversight of the Office of Environmental Management with respect to such activities; and

(2) recommendations with respect to actions to enhance the effectiveness and efficiency of such activities.

SEC. 3134. WHISTLEBLOWER PROTECTIONS.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) raising nuclear safety concerns is important for avoiding potentially catastrophic incidents or harm to workers and the public;

(2) the Department of Energy should protect whistleblowers and take action against contractors and subcontractors that retaliate against whistleblowers;

(3) such action sends a strong signal to prevent or limit retaliation against whistleblowers; and

(4) the Secretary of Energy, acting through the Administrator for Nuclear Security as appropriate, should impose civil penalties under section 234A of the Atomic Energy Act of 1954 (42 U.S.C. 2282a) on contractors, subcontractors, and suppliers for violations of the rules, regulations, or orders of the Department of Energy relating to nuclear safety and radiation protection.

(b) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary, in consultation with the Administrator, shall submit to the appropriate congressional committees a report on how the Secretary would define a chilled work environment with respect to employees and contractors of the Department making a whistleblower complaint under section 4602 of the Atomic Energy Defense Act (50 U.S.C. 2702) or any provision of other law that may provide protection for disclosures of information by such employees or contractors.

(2) ELEMENTS.—The report required by paragraph (1) shall include—

(A) a description of what constitutes evidence of a chilled work environment referred to in that paragraph;

(B) a description of relevant regulations enacted by the Secretary to enforce section 4602 of the Atomic Energy Defense Act (50 U.S.C. 2702); and

(C) an assessment of whether the Secretary has existing authority, or would need new authority, to enforce such section 4602 or any other relevant provision of law.

(c) NOTIFICATION.—Not later than February 1, 2019, and annually thereafter through 2021, the Secretary shall submit to the appropriate congressional committees a notification of whether any penalties were imposed pursuant to section 234A of the Atomic Energy Act of 1954 (42 U.S.C. 2282a) during the year preceding the submission of the report, including a description of such penalties and the entities against which the penalties were imposed.

(d) APPROPRIATE CONGRESSIONAL COMMITTEES.—In this section, the term "appropriate congressional committees" means—

(1) the congressional defense committees; and

(2) the Committee on Energy and Commerce of the House of Representatives and the Committee on Energy and Natural Resources of the Senate.

SEC. 3135. IMPLEMENTATION OF NUCLEAR POSTURE REVIEW BY NATIONAL NUCLEAR SECURITY ADMINISTRATION.

(a) REPORT REQUIRED.—Not later than December 1, 2018, the Administrator for Nuclear Security shall submit to the congressional defense committees a report on the implementation of the 2018 Nuclear Posture Review by the National Nuclear Security Administration.

(b) ELEMENTS.—The report required by subsection (a) shall include the following:

(1) A list of specific actions associated with implementation of the policies set forth in the 2018 Nuclear Posture Review applicable to the National Nuclear Security Administration.

(2) For each such action—

(A) an identification of the office within the Administration with responsibility for the action; and

(B) key milestones for the action.

(3) A discussion of any challenges to successfully implementing such actions.

(4) A description of the process established for monitoring the implementation of such actions.

(5) A description of policy decisions by the Administrator that are necessary to complete the implementation of such actions.

(6) A description of the estimated costs for such actions, if—

(A) information on such costs is available; and

(B) such costs are estimated to be significantly different from the costs for actions by the Administration associated with the implementation of policies set forth in previous Nuclear Posture Reviews.

SEC. 3136. SURVEY OF WORKFORCE OF NATIONAL SECURITY LABORATORIES AND NUCLEAR WEAPONS PRODUCTION FACILITIES.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Administrator for Nuclear Security shall submit to the congressional defense committees a report that includes—

(1) a detailed proposal for a survey of the workforce of the national security laboratories and nuclear weapons production facilities that is modeled on the Federal Employee Viewpoint Survey of the Office of Personnel Management;

(2) the determination of the Administrator with respect to whether to implement the survey;

(3) the views of the Administrator regarding the value, efficiency, and effectiveness of the survey as compared to other means for acquiring information of the type collected using the survey; and

(4) if the Administrator determines not to implement the survey, a description of the reasons for that determination.

(b) IMPLEMENTATION FACTORS.—The report required by subsection (a) shall address factors associated with implementation of the survey described in that subsection, including—

(1) the costs of designing the survey;

(2) the time required for and the costs of administering the survey and analyzing the data from the survey;

(3) the periodicity of administering the survey to ascertain trends; and

(4) any other matters the Administrator considers appropriate.

(c) DEFINITIONS.—In this section, the terms "national security laboratory" and "nuclear weapons production facility" have the meanings given those terms in section 4002 of the Atomic Energy Defense Act (50 U.S.C. 2501).

SEC. 3137. ELIMINATION OF CERTAIN REPORTS.

(a) REPORT OF OWNER'S AGENT ON HANFORD WASTE TREATMENT AND IMMOBILIZATION PLANT CONTRACT.—Section 4446 of the Atomic Energy Defense Act (50 U.S.C. 2626) is amended—

(1) by striking subsection (d); and

(2) by redesignating subsections (e) and (f) as subsections (d) and (e), respectively.

(b) ANNUAL CERTIFICATION OF SHIPMENTS TO WASTE ISOLATION PILOT PLANT.—Section 3115(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2759) is amended, in the matter preceding paragraph (1), by striking "five-year period" and inserting "three-year period".

Subtitle D—Other Matters

SEC. 3141. ACCELERATION OF REPLACEMENT OF CESIUM BLOOD IRRADIATION SOURCES.

(a) GOAL.—The Administrator for Nuclear Security shall ensure that the goal of the covered programs is eliminating the use of blood irradiation devices in the United States that rely on cesium chloride by December 31, 2027.

(b) IMPLEMENTATION.—To meet the goal specified by subsection (a), the Administrator shall carry out the covered programs in a manner that—

(1) is voluntary for owners of blood irradiation devices;

(2) allows for the United States, subject to the review of the Administrator, to pay up to 50 percent of the per-device cost of replacing blood irradiation devices covered by the programs;

(3) allows for the United States to pay up to 100 percent of the cost of removing and disposing of cesium sources retired from service by the programs; and

(4) replaces such devices with x-ray irradiation devices or other devices approved by the Food and Drug Administration that provide significant threat reduction as compared to cesium chloride irradiators.

(c) DURATION.—The Administrator shall carry out the covered programs until December 31, 2027.

(d) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Administrator shall submit to the appropriate congressional committees a report on the covered programs, including—

(1) identification of each cesium chloride blood irradiation device in the United States, including the number, general location, and user type;

(2) a plan for achieving the goal established by subsection (a);

(3) a methodology for prioritizing replacement of such devices that takes into account irradiator age and prior material security initiatives;

(4) in consultation with the Nuclear Regulatory Commission and the Food and Drug Administration, a strategy identifying any legislative, regulatory, or other measures necessary to constrain the introduction of new cesium chloride blood irradiation devices;

(5) identification of the annual funds required to meet the goal established by subsection (a); and

(6) a description of the disposal path for cesium chloride sources under the covered programs.

(e) ASSESSMENT.—The Administrator shall submit an assessment to the appropriate congressional committees by September 20, 2023, of the results of the actions on the covered programs under this section, including—

(1) the number of replacement irradiators under the covered programs;

(2) the life-cycle costs of the programs, including personnel training, maintenance, and replacement costs for new irradiation devices;

(3) the cost-effectiveness of the covered programs;

(4) an analysis of the effectiveness of the new irradiation devices' technology; and

(5) a forecast of whether the Administrator will meet the goal established in subsection (a).

(f) DEFINITIONS.—In this section:

(1) APPROPRIATE CONGRESSIONAL COMMITTEES.—The term "appropriate congressional committees" means—

(A) the Committee on Appropriations, the Committee on Armed Services, and the Committee on Energy and Commerce of the House of Representatives; and

(B) the Committee on Appropriations, the Committee on Armed Services, the Committee on Energy and Natural Resources, and the Committee on Health, Education, Labor, and Pensions of the Senate.

(2) COVERED PROGRAMS.—The term "covered programs" means the following programs of the Office of Radiological Security of the National Nuclear Security Administration:

(A) The Cesium Irradiator Replacement Program.

(B) The Off-Site Source Recovery Program.

SEC. 3142. SENSE OF CONGRESS REGARDING COMPENSATION OF INDIVIDUALS RELATING TO URANIUM MINING AND NUCLEAR TESTING.

(a) FINDINGS.—Congress makes the following findings:

(1) The Radiation Exposure Compensation Act (42 U.S.C. 2210 note) was enacted in 1990 to provide monetary compensation to individuals who contracted certain cancers and other serious diseases following their exposure to radiation released during atmospheric nuclear weapons testing during the Cold War or following exposure to radiation as a result of employment in the uranium industry during the Cold War.

(2) The Energy Employees Occupational Illness Compensation Program Act of 2000 (42 U.S.C. 7384 et seq.) formally acknowledged the dangers to which some employees of sites of the Department of Energy and its vendors during the Cold War were exposed. That Act also acknowledged that, although establishing the link between occupational hazards and specific diseases can be difficult, scientific evidence exists to support the conclusion that some activities related to Cold War nuclear weapons production have resulted in increased risk of illness and death to workers. That Act established a formal process for the submission of claims for medical expenses and lump sum compensation for former employees and contractors and survivors of those former employees and contractors.

(3) As of the date of the enactment of this Act, more than 150,231 claims have been paid out under the Radiation Exposure Compensation Act and the Energy Employees Occupational Illness Compensation Program Act of 2000, for a total of at least $17,400,000,000 in lump sum compensation and medical expenses.

(b) SENSE OF CONGRESS.—It is the sense of Congress that the United States Government should appropriately compensate and recognize the employees, contractors, and other individuals described in subsection (a).

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

Sec. 3201. Authorization.

SEC. 3201. AUTHORIZATION.

There are authorized to be appropriated for fiscal year 2019, $31,243,000 for the operation of the Defense Nuclear Facilities Safety Board under chapter 21 of the Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

TITLE XXXIV—NAVAL PETROLEUM RESERVES

TITLE XXXIV—NAVAL PETROLEUM RESERVES

Sec. 3401. Authorization of appropriations.

SEC. 3401. AUTHORIZATION OF APPROPRIATIONS.

(a) AMOUNT.—There are hereby authorized to be appropriated to the Secretary of Energy $10,000,000 for fiscal year 2019 for the purpose of carrying out activities under chapter 641 of title 10, United States Code, relating to the naval petroleum reserves.

(b) PERIOD OF AVAILABILITY.—Funds appropriated pursuant to the authorization of appropriations in subsection (a) shall remain available until expended.

TITLE XXXV—MARITIME MATTERS

TITLE XXXV—MARITIME MATTERS

Subtitle A—Maritime Administration

Sec. 3501. Authorization of the Maritime Administration.
Sec. 3502. Compliance by Ready Reserve Fleet vessels with SOLAS lifeboats and fire suppression requirements.
Sec. 3503. Maritime Administration National Security Multi-Mission Vessel Program.
Sec. 3504. Permanent authority of Secretary of Transportation to issue vessel war risk insurance.
Sec. 3505. Use of State maritime academy training vessels.
Sec. 3506. Concurrent jurisdiction.
Sec. 3507. United States Merchant Marine Academy policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking.
Sec. 3508. Report on implementation of recommendations for the United States Merchant Marine Academy Sexual Assault Prevention and Response Program.
Sec. 3509. Report on the application of the Uniform Code of Military Justice to the United States Merchant Marine Academy.
Sec. 3510. Electronic records on mariner availability to meet national security needs.
Sec. 3511. Small shipyard grants.
Sec. 3512. Sea year on contracted vessels.
Sec. 3513. GAO report on national maritime strategy.
Sec. 3514. Multi-year contracts.
Sec. 3515. Miscellaneous.
Sec. 3516. Department of Transportation Inspector General report on Title XI program.

Subtitle B—Coast Guard

Sec. 3521. Alignment with Department of Defense and sea services authorities.
Sec. 3522. Preliminary development and demonstration.
Sec. 3523. Contract termination.
Sec. 3524. Reimbursement for travel expenses.
Sec. 3525. Capital investment plan.
Sec. 3526. Major acquisition program risk assessment.
Sec. 3527. Marine safety implementation status.
Sec. 3528. Retirement of Vice Commandant.
Sec. 3529. Large recreational vessel regulations.

Subtitle C—Coast Guard and Shipping Technical Corrections

CHAPTER 1—COAST GUARD

Sec. 3531. Commandant defined.
Sec. 3532. Training course on workings of Congress.
Sec. 3533. Miscellaneous.
Sec. 3534. Department of Defense consultation.
Sec. 3535. Repeal.
Sec. 3536. Mission need statement.
Sec. 3537. Continuation on active duty.
Sec. 3538. System acquisition authorization.
Sec. 3539. Inventory of real property.

CHAPTER 2—MARITIME TRANSPORTATION

Sec. 3541. Definitions.
Sec. 3542. Authority to exempt vessels.
Sec. 3543. Passenger vessels.
Sec. 3544. Tank vessels.
Sec. 3545. Grounds for denial or revocation.
Sec. 3546. Miscellaneous corrections to title 46, U.S.C.
Sec. 3547. Miscellaneous corrections to Oil Pollution Act of 1990.
Sec. 3548. Miscellaneous corrections.

Subtitle A—Maritime Administration

SEC. 3501. AUTHORIZATION OF THE MARITIME ADMINISTRATION.

(a) IN GENERAL.—There are authorized to be appropriated to the Department of Transportation for fiscal year 2019, to be available without fiscal year limitation if so provided in appropriations Acts, for programs associated with maintaining the United States merchant marine, the following amounts:

(1) For expenses necessary for operations of the United States Merchant Marine Academy, $74,593,000, of which—

(A) $70,593,000 shall be for Academy operations; and

(B) $4,000,000 shall remain available until expended for capital asset management at the Academy.

(2) For expenses necessary to support the State maritime academies, $32,200,000, of which—

(A) $2,400,000 shall remain available until September 30, 2019, for the Student Incentive Program;

(B) $6,000,000 shall remain available until expended for direct payments to such academies;

(C) $22,000,000 shall remain available until expended for maintenance and repair of State maritime academy training vessels; and

(D) $1,800,000 shall remain available until expended for training ship fuel assistance.

(3) For expenses necessary to support the National Security Multi-Mission Vessel Program, $300,000,000, which shall remain available until expended.

(4) For expenses necessary to support Maritime Administration operations and programs, $60,442,000, of which $5,000,000 shall remain available until expended for port infrastructure development under section 50302 of title 46, United States Code.

(5) For expenses necessary to dispose of vessels in the National Defense Reserve Fleet, $5,000,000, which shall remain available until expended.

(6) For expenses necessary to maintain and preserve a United States flag merchant marine to serve the national security needs of the United States under chapter 531 of title 46, United States Code, $300,000,000.

(7) For expenses necessary for the loan guarantee program authorized under chapter 537 of title 46, United States Code, $33,000,000, of which—

(A) $30,000,000 may be used for the cost (as defined in section 502(5) of the Federal Credit Reform Act of 1990 (2 U.S.C. 661a(5))) of loan guarantees under the program; and

(B) $3,000,000 may be used for administrative expenses relating to loan guarantee commitments under the program.

(8) For expenses necessary to provide assistance to small shipyards and for maritime training programs under section 54101 of title 46, United States Code, $35,000,000.

(b) CAPITAL ASSET MANAGEMENT PROGRAM REPORT.—Not later than 180 days after the date of the enactment of this Act, the Maritime Administrator shall submit to the Committee on Commerce,

Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives a report on the status of unexpended appropriations for capital asset management at the United States Merchant Marine Academy, and the plan for expending such appropriations.

SEC. 3502. COMPLIANCE BY READY RESERVE FLEET VESSELS WITH SOLAS LIFEBOATS AND FIRE SUPPRESSION REQUIREMENTS.

The Secretary of Defense shall, consistent with section 2244a of title 10, United States Code, use authority under section 2218 of such title to make such modifications to Ready Reserve Fleet vessels as are necessary for such vessels to comply requirements for lifeboats and fire suppression under the International Convention for the Safety of Life at Sea by not later than October 1, 2021.

SEC. 3503. MARITIME ADMINISTRATION NATIONAL SECURITY MULTI-MISSION VESSEL PROGRAM.

Section 3505 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2776) is amended by adding at the end the following:

"(h) LIMITATION ON USE OF FUNDS FOR USED VESSELS.—Amounts authorized by this or any other Act for use by the Maritime Administration to carry out this section may not be used for the procurement of any used vessel.".

SEC. 3504. PERMANENT AUTHORITY OF SECRETARY OF TRANSPORTATION TO ISSUE VESSEL WAR RISK INSURANCE.

(a) IN GENERAL.—Section 53912 of title 46, United States Code, is repealed.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 539 of title 46, United States Code, is amended by striking the item relating to section 53912.

SEC. 3505. USE OF STATE MARITIME ACADEMY TRAINING VESSELS.

Section 51504(g) of title 46, United States Code, is amended to read as follows:

"(g) VESSEL SHARING.—

"(1) IN GENERAL.—Not later than 90 days after the date of enactment of the National Defense Authorization Act for Fiscal Year 2019, the Secretary, acting through the Maritime Administrator, shall upon consultation with the maritime academies, and to the extent feasible with the consent of the maritime academies, implement a program of training vessel sharing, requiring maritime academies to share training vessel provided by the Secretary among maritime academies, as necessary to ensure that training needs of each academy are met.

"(2) PROGRAM OF VESSEL SHARING.—For purposes of this subsection, a program of vessel sharing shall include—

"(A) ways to maximize the available underway training available in the fleet of training vessels;

"(B) coordinating the dates and duration of training cruises with the academic calendars of maritime academies;

"(C) coordinating academic programs designed to be implemented aboard training vessels among maritime academies; and

"(D) identifying ways to minimize costs.

"(3) ADDITIONAL FUNDING.—Subject to the availability of appropriations, the Maritime Administrator may provide additional funding to State maritime academies during periods of limited training vessel capacity, for costs associated with training vessel sharing.

"(4) EVALUATION.—Not later than 30 days after the beginning of each fiscal year, the Secretary, acting through the Maritime Administrator, shall evaluate the vessel sharing program under this subsection to determine the optimal utilization of State maritime training vessels, and modify the program as necessary to improve utilization.".

SEC. 3506. CONCURRENT JURISDICTION.

Notwithstanding any other law, the Secretary of Transportation may relinquish, at the Secretary's discretion, to the State of New York, such measure of legislative jurisdiction over the lands constituting the United States Merchant Marine Academy in King's Point, New York, as is necessary to establish concurrent jurisdiction between the Federal Government and the State of New York. Such partial relinquishment of legislative jurisdiction shall be accomplished—

(1) by filing with the Governor of New York a notice of relinquishment to take effect upon acceptance thereof; or

(2) as the laws of that State may provide.

SEC. 3507. UNITED STATES MERCHANT MARINE ACADEMY POLICY ON SEXUAL HARASSMENT, DATING VIOLENCE, DOMESTIC VIOLENCE, SEXUAL ASSAULT, AND STALKING.

(a) POLICY ON SEXUAL HARASSMENT, DATING VIOLENCE, DOMESTIC VIOLENCE, SEXUAL ASSAULT, AND STALKING.—Section 51318 of title 46, United States Code, is amended—

(1) in subsection (a)(2)—

(A) in subparagraph (A), by inserting "and prevention" after "awareness";

(B) by redesignating subparagraph (B) as subparagraph (C), and subparagraphs (C) through (F) as subparagraphs (E) through (H), respectively;

(C) by inserting after subparagraph (A) the following:

"(B) procedures for documenting, tracking, and maintaining the data required to conduct the annual assessments to determine the effectiveness of the policies, procedures, and training program of the Academy with respect to sexual harassment, dating violence, domestic violence, sexual assault, and stalking involving cadets or other Academy personnel, as required by subsection (c);"; and

(D) by inserting after subparagraph (C), as redesignated by subparagraph (B), the following:

"(D) procedures for investigating sexual harassment, dating violence, domestic violence, sexual assault, or stalking involving a cadet or other Academy personnel to determine whether disciplinary action is necessary;";

(2) in subsection (b)(2)(A), by inserting "and other Academy personnel" after "cadets at the Academy"; and

(3) in subsection (d)—

(A) in paragraph (2)(A) by inserting ", including sexual harassment," after "sexual assaults, rapes, and other sexual offenses"; and

(B) in paragraph (4)(B), by striking "The Secretary" and inserting "Not later than January 15 of each year, the Secretary".

(b) IMPLEMENTATION.—The Superintendent of the United States Merchant Marine Academy may implement the amendment to subsection (b)(2)(A) of section 51318 of title 46, United States Code, made by subsection (a)(2), by updating an existing plan issued pursuant to the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

SEC. 3508. REPORT ON IMPLEMENTATION OF RECOMMENDATIONS FOR THE UNITED STATES MERCHANT MARINE ACADEMY SEXUAL ASSAULT PREVENTION AND RESPONSE PROGRAM.

Not later than April 1, 2019, the Maritime Administrator shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives a report describing the progress of the Maritime Administration in implementing and closing each of the recommendations made in the Office of Inspector General's Report issued March 28, 2018 (ST–2018–039) identifying gaps in the United States Merchant Marine Academy's Sexual Assault Prevention and Response Program.

SEC. 3509. REPORT ON THE APPLICATION OF THE UNIFORM CODE OF MILITARY JUSTICE TO THE UNITED STATES MERCHANT MARINE ACADEMY.

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Maritime Administrator shall submit a report to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives on the impediments to the application of the Uniform Code of Military Justice at the United States Merchant Marine Academy.

(b) CONSULTATION.—The Maritime Administrator may, in preparing the report under subsection (a), consult with the Department of Defense, other Federal agencies, and non-Federal entities, as appropriate.

SEC. 3510. ELECTRONIC RECORDS ON MARINER AVAILABILITY TO MEET NATIONAL SECURITY NEEDS.

The Secretary of the department in which the Coast Guard is operating shall ensure that electronic records maintained under section 7502 of title 46, United States Code, are able to be used by the Secretary of Transportation—

(1) to determine the potential availability of mariners credentialed under part E of subtitle II of title 46, United States Code, to meet national security sealift needs; and

(2) to receive information on the qualification of such mariners.

SEC. 3511. SMALL SHIPYARD GRANTS.

Section 54101(b) of title 46, United States Code, is amended—

(1) by redesignating paragraphs (2) and (3) as paragraphs (3) and (4), respectively;

(2) by inserting after paragraph (1) the following:

"(2) TIMING OF GRANT NOTICE.—The Administrator shall post a Notice of Funding Opportunity regarding grants awarded under this section not more than 15 days after the date of enactment of the appropriations Act for the fiscal year concerned."; and

(3) in paragraph (4), as redesignated by paragraph (1), by striking "paragraph (2)" and inserting "paragraph (3)".

SEC. 3512. SEA YEAR ON CONTRACTED VESSELS.

Section 51307 of title 46, United States Code, is amended—

(1) by striking "The Secretary" and inserting the following: "(a) IN GENERAL.—The Secretary";

(2) in paragraph (1) of subsection (a), by striking "owned or subsidized by" and inserting "owned, subsidized by, or contracted with"; and

(3) by adding at the end the following:

"(b) MARITIME SECURITY PROGRAM VESSELS.—The Secretary shall require an operator of a vessel participating in the Maritime Security Program under chapter 531 of this title to carry on each Maritime Security Program vessel 2 United States Merchant Marine Academy cadets, if available, on each voyage.

"(c) MILITARY SEALIFT COMMAND VESSELS.—

"(1) IN GENERAL.—Except as provided in paragraph (2), the Commander of the Military Sealift Command shall require an operator of a vessel in the United States Navy's Military Sealift Command to carry on each such vessel 2 United States Merchant Marine Academy cadets, if available, on each voyage, if the vessel—

"(A) is flagged in the United States; and

"(B) is rated at 10,000 gross tons or higher.

"(2) WAIVER.—The Commander of the Military Sealift Command may waive the requirement under paragraph (1) at any time if the Commander determines that carrying a cadet from the United States Merchant Marine Academy would place an undue burden on the vessel or the operator of the vessel.

"(d) DEFINITION OF OPERATOR.—In this section, the term 'operator' includes a government operator and a non-government operator.

"(e) SAVINGS CLAUSE.—Nothing in this section may be construed as affecting—

"(1) the discretion of the Secretary to determine whether to place a United States Merchant Marine Academy cadet on a vessel;

"(2) the authority of the Coast Guard regarding a vessel security plan approved under section 70103; or

"(3) the discretion of the master of the vessel to ensure the safety of all crew members.".

SEC. 3513. GAO REPORT ON NATIONAL MARITIME STRATEGY.

(a) REPORT.—Not later than 12 months after the date of the enactment of this Act, the Comptroller General of the United States shall complete a study and submit to the Committee on Commerce, Science, and Transportation of the Senate, the Committee on Armed

Services of the House of Representatives, and the Committee on Transportation and Infrastructure of the House of Representatives, a report on—

(1) the key challenges, if any, to ensuring that the United States marine transportation system and merchant marine are sufficient to support United States economic and defense needs, as articulated by the Maritime Administration, the Committee on the Marine Transportation System, and other stakeholders;

(2) the extent to which a national maritime strategy incorporates desirable characteristics of successful national strategies as identified by the Comptroller General, and any key obstacles (as identified by stakeholders) to successfully implementing such strategies; and

(3) the extent to which Federal efforts to establish a national maritime strategy are duplicative or fragmented, and if so, the impact on United States maritime policy for the future.

(b) DEADLINE.—Subsection (a) of section 603 of the Howard Coble Coast Guard and Maritime Transportation Act of 2014 (Public Law 113–281; 128 Stat. 3061) is amended by striking "Not later than 60 days after the date of the enactment of this Act" and inserting "Not later than 18 months after the date of the enactment of the John S. McCain National Defense Authorization Act for Fiscal Year 2019".

SEC. 3514. MULTI-YEAR CONTRACTS.

Section 3505 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2776), as amended by section 3503 of this Act, is further amended by adding at the end the following:

"(i) CONTRACTING AUTHORITY NOT AFFECTED.—Nothing in this section may be construed to prohibit the entity responsible for contracting from entering into a multiple-year or block contract for the procurement of up to 6 new vessels and associated Government-furnished equipment, subject to the availability of appropriations.".

SEC. 3515. MISCELLANEOUS.

(a) NONCOMMERCIAL VESSELS.—Section 3514(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 46 U.S.C. 51318 note) is amended—

(1) by striking "Not later than" and inserting the following: "(1) IN GENERAL.—Not later than"; and

(2) by redesignating paragraphs (1) and (2) as subparagraphs (A) and (B), respectively, and adjusting the margins accordingly; and

(3) by adding at the end the following:

"(2) NONCOMMERCIAL VESSELS.—For the purposes of this section, vessels operated by any of the following entities shall not be considered commercial vessels:

"(A) Any entity or agency of the United States.

"(B) The government of a State or territory.

"(C) Any political subdivision of a State or territory.

"(D) Any other municipal organization.".

(b) PASSENGER RECORDS.—Section 51322(c) of title 46, United States Code, is amended to read as follows:

"(c) MAINTENANCE OF SEXUAL ASSAULT TRAINING RECORDS.—The Maritime Administrator shall require the owner or operator of

a commercial vessel, or the seafarer union for a commercial vessel, to maintain records of sexual assault training for any person required to have such training.".

(c) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.—Section 3134 of title 40, United States Code, is amended by adding at the end the following:

"(c) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.—The Secretary of Commerce may waive this subchapter with respect to contracts for the construction, alteration, or repair of vessels, regardless of the terms of the contracts as to payment or title, when the contract is made under the Act entitled 'An Act to define the functions and duties of the Coast and Geodetic Survey, and for other purposes', approved August 6, 1947 (33 U.S.C. 883a et seq.).".

(d) ANNUAL PAYMENTS FOR MAINTENANCE AND SUPPORT.—Section 51505(b)(2) of title 46 is amended to read as follows:

"(2) MAXIMUM.—The amount under paragraph (1) may not be more than $25,000, unless the academy satisfies section 51506(b) of this title.".

SEC. 3516. DEPARTMENT OF TRANSPORTATION INSPECTOR GENERAL REPORT ON TITLE XI PROGRAM.

Not later than 180 days after the date of enactment of this Act, the Department of Transportation Office of Inspector General shall—

(1) initiate an audit of the financial controls and protections included in the policies and procedures of the Department of Transportation for approving loan applications for the loan guarantee program authorized under chapter 537 of title 46, United States Code; and

(2) submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Armed Services and the Committee on Transportation and Infrastructure of the House of Representatives a report containing the results of that audit once the audit is completed.

Subtitle B—Coast Guard

SEC. 3521. ALIGNMENT WITH DEPARTMENT OF DEFENSE AND SEA SERVICES AUTHORITIES.

(a) PROHIBITING SEXUAL HARASSMENT; REPORT.—

(1) NOTIFICATION.—

(A) IN GENERAL.—The Commandant of the Coast Guard shall notify the Committee on Transportation and Infrastructure and the Committee on Homeland Security of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate on August 26, 2018, if there is not in effect a general order or regulation prohibiting sexual harassment by members of the Coast Guard and clearly stating that a violation of such order or regulation is punishable in accordance with the Uniform Code of Military Justice.

(B) CONTENTS.—The notification required under subparagraph (A) shall include—

(i) details regarding the status of the drafting of such general order or regulation;

(ii) a projected implementation timeline for such general order or regulation; and

(iii) an explanation regarding any barriers to implementation.

(2) REPORT.—Section 217 of the Coast Guard Authorization Act of 2010 (Public Law 111–281; 14 U.S.C. 93 note) is amended—

(A) in subsection (a), by inserting "and incidents of sexual harassment" after "sexual assaults"; and

(B) in subsection (b)—

(i) in paragraph (1), by inserting "and incidents of sexual harassment" after "sexual assaults" each place it appears;

(ii) in paragraph (3), by inserting "and sexual harassment" after "sexual assault"; and

(iii) in paragraph (4), by inserting "and sexual harassment" after "sexual assault".

(b) ANNUAL PERFORMANCE REPORT.—

(1) IN GENERAL.—Chapter 29 of title 14, United States Code, is amended by adding at the end the following:

"§ 2905. Annual performance report

"Not later than the date on which the President submits to Congress a budget pursuant to section 1105 of title 31, the Commandant of the Coast Guard shall make available on a public website and submit to the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate an update on Coast Guard mission performance during the previous fiscal year.".

(2) CLERICAL AMENDMENT.—The analysis at the beginning of such chapter is amended by adding at the end the following: "2905. Annual performance report.".

SEC. 3522. PRELIMINARY DEVELOPMENT AND DEMONSTRATION.

Section 573 of title 14, United States Code, is amended—

(1) in subsection (b)(3), by—

(A) striking "require that safety concerns identified" and inserting "ensure that independent third parties and Government employees that identify safety concerns"; and

(B) striking "Coast Guard shall be communicated as" and inserting "Coast Guard communicate such concerns as";

(2) in subsection (b)(4), by striking "Any safety concerns that have been reported to the Chief Acquisition Officer for an acquisition program or project shall be reported by the Commandant" and inserting "The Commandant shall ensure that any safety concerns that have been communicated under paragraph (3) for an acquisition program or project are reported";

(3) in subsection (b)(5)—

(A) by striking the matter preceding subparagraph (A) and inserting the following:

"(5) ASSET ALREADY IN LOW, INITIAL, OR FULL-RATE PRODUCTION.—The Commandant shall ensure that if an independent third party or a Government employee identifies a safety concern with a capability or asset or any subsystems of a capability or asset not previously identified during operational test and evaluation of a capability or asset already in low, initial, or full-rate production—";

(B) in subparagraph (A), by inserting "the Commandant, through the Assistant Commandant for Capability, shall" before "notify"; and

(C) in subparagraph (B), by striking "notify the Chief Acquisition Officer and include in such notification" and inserting "the Deputy Commandant for Mission Support shall notify the Commandant and the Deputy Commandant for Operations of the safety concern within 50 days after the notification required under subparagraph (A), and include in such notification"; and

(4) in subsection (c)—

(A) in paragraph (2)(A), by striking "and that are delivered after the date of enactment of the Coast Guard Authorization Act of 2010"; and

(B) in paragraph (5), by striking "and delivered after the date of enactment of the Coast Guard Authorization Act of 2010".

SEC. 3523. CONTRACT TERMINATION.

(a) IN GENERAL.—Chapter 17 of title 14, United States Code, is amended by inserting after section 656 the following:

"§ 657. Contract termination

"(a) IN GENERAL.—

"(1) NOTIFICATION.—Before terminating a procurement or acquisition contract with a total value of more than $1,000,000, the Commandant of the Coast Guard shall notify each vendor under such contract and require the vendor to maintain all work product related to the contract until the earlier of—

"(A) not less than 1 year after the date of the notification; or

"(B) the date the Commandant notifies the vendor that maintenance of such work product is no longer required.

"(b) WORK PRODUCT DEFINED.—In this section the term 'work product'—

"(1) means tangible and intangible items and information produced or possessed as a result of a contract referred to in subsection (a); and

"(2) includes—

"(A) any completed end items;

"(B) any uncompleted end items; and

"(C) any property in the contractor's possession in which the United States Government has an interest.

"(c) PENALTY.—A vendor that fails to maintain work product as required under subsection (a) is liable to the United States for a civil penalty of not more than $25,000 for each day on which such work product is unavailable.

"(d) REPORT.—

"(1) IN GENERAL.—Except as provided in paragraph (2), not later than 45 days after the end of each fiscal year the Commandant of the Coast Guard shall provide to the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a report detailing—

"(A) all Coast Guard contracts with a total value of more than $1,000,000 that were terminated in the fiscal year;

"(B) all vendors who were notified under subsection (a)(1) in the fiscal year, and the date of such notification;

"(C) all criminal, administrative, and other investigations regarding any contract with a total value of more than $1,000,000 that were initiated by the Coast Guard in the fiscal year;

"(D) all criminal, administrative, and other investigations regarding contracts with a total value of more than $1,000,000 that were completed by the Coast Guard in the fiscal year; and

"(E) an estimate of costs incurred by the Coast Guard, including contract line items and termination costs, as a result of the requirements of this section.

"(2) LIMITATION.—The Commandant is not required to provide a report under paragraph (1) for any fiscal year for which there is no responsive information as described in subparagraphs (A) through (E) of paragraph (1).".

(b) CLERICAL AMENDMENT.—The analysis at the beginning of such chapter is amended by inserting after the item relating to section 656 the following:

"657. Contract termination.".

SEC. 3524. REIMBURSEMENT FOR TRAVEL EXPENSES.

The text of section 518 of title 14, United States Code is amended to read as follows:

"In any case in which a covered beneficiary (as defined in section 1072(5) of title 10) resides on an island that is located in the 48 contiguous States and the District of Columbia and that lacks public access roads to the mainland, the Secretary shall reimburse the reasonable travel expenses of the covered beneficiary and, when accompaniment by an adult is necessary, for a parent or guardian of the covered beneficiary or another member of the covered beneficiary's family who is at least 21 years of age, if—

"(1) the covered beneficiary is referred by a primary care physician to a specialty care provider (as defined in section 1074i(b) of title 10) on the mainland who provides services less than 100 miles from the location where the beneficiary resides; or

"(2) the Coast Guard medical regional manager for the area in which such island is located determines that the covered beneficiary requires services of a primary care, specialty care, or dental provider and such a provider who is part of the network of providers of a TRICARE program (as that term is defined in section 1072(7) of title 10) does not practice on such island.".

SEC. 3525. CAPITAL INVESTMENT PLAN.

Section 2902(a) of title 14, United States Code, is amended—

(1) by striking "On the date" and inserting "Not later than 60 days after the date";

(2) in paragraph (1)(D), by striking "and"; and

(3) by inserting after paragraph (1)(E) the following:

"(F) projected commissioning and decommissioning dates for each asset; and".

SEC. 3526. MAJOR ACQUISITION PROGRAM RISK ASSESSMENT.

(a) IN GENERAL.—Chapter 29 of title 14, United States Code, as amended by section 3521(b)(1) of this Act, is further amended by adding at the end the following:

"§ 2906. Major acquisition program risk assessment

"(a) IN GENERAL.—Not later than April 15 and October 15 of each year, the Commandant of the Coast Guard shall provide to the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a briefing regarding a current assessment of the risks associated with all current major acquisition programs, as that term is defined in section 2903(f).

"(b) ELEMENTS.—Each assessment under this subsection shall include, for each current major acquisition program, discussion of the following:

"(1) The top five current risks to such program.

"(2) Any failure of such program to demonstrate a key performance parameter or threshold during operational test and evaluation conducted during the 2 fiscal-year quarters preceding such assessment.

"(3) Whether there has been any decision in such 2 fiscal-year quarters to order full-rate production before all key performance parameters or thresholds are met.

"(4) Whether there has been any breach of major acquisition program cost (as defined by the Major Systems Acquisition Manual) in such 2 fiscal-year quarters.

"(5) Whether there has been any breach of major acquisition program schedule (as so defined) during such 2 fiscal-year quarters.".

(b) CLERICAL AMENDMENT.—The analysis at the beginning of such chapter is further amended by adding at the end the following: "2906. Major acquisition program risk assessment.".

(c) CONFORMING AMENDMENTS.—Section 2903 of title 14, United States Code, is amended—

(1) by striking subsection (f); and

(2) by redesignating subsection (g) as subsection (f).

SEC. 3527. MARINE SAFETY IMPLEMENTATION STATUS.

On the date on which the President submits to Congress a budget for fiscal year 2020 under section 1105 of title 31, and on such date for each of the 2 subsequent years, the Commandant of the Coast Guard shall submit to the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a report on the status of implementation of each action outlined in the Commandant's final action memo dated December 19, 2017.

SEC. 3528. RETIREMENT OF VICE COMMANDANT.

(a) IN GENERAL.—Section 46 of title 14, United States Code, is amended—

*(1) in the section heading, by inserting "**or Vice Commandant**" after "**Commandant**";*

(2) by redesignating subsection (a) as subsection (a)(1);

(3) by adding at the end of subsection (a) the following:

"(2) A Vice Commandant who is not reappointed or appointed Commandant shall be retired with the grade of admiral at the expiration of the appointed term, except as provided in section 51(d).";

(4) in subsections (b) and (c), by inserting "or Vice Commandant" after "Commandant" each place it appears; and

(5) in subsection (c), by striking "his" and inserting "the officer's".

(b) CONFORMING AMENDMENT.—Section 51 of title 14, United States Code, is amended by striking "other than the Commandant," each place it appears and inserting "other than the Commandant or Vice Commandant,".

(c) CLERICAL AMENDMENT.—The analysis at the beginning of chapter 3 of title 14, United States Code, is amended by striking the item relating to section 46 and inserting the following:

"46. Retirement of Commandant or Vice Commandant.".

SEC. 3529. LARGE RECREATIONAL VESSEL REGULATIONS.

(a) IN GENERAL.—

(1) ISSUANCE.—The Secretary of the department in which the Coast Guard is operating shall issue large recreational vessel regulations applicable to any recreational vessel (as defined in section 2101 of title 46, United States Code) over 300 gross tons as measured under section 14502 of such title, or an alternate tonnage measured under section 14302 of such title as prescribed by the Secretary under section 14104 of such title, that does not carry any cargo or passengers for hire.

(2) SCOPE AND CONTENT OF REGULATIONS.—The regulations issued under this subsection—

(A) subject to subparagraph (B), shall be comparable to the code set forth in Merchant Shipping Notice 1851(M) (commonly referred to as the "Large Commercial Yacht Code (LY3)"), as published by the Maritime and Coastguard Agency of the United Kingdom on August 20, 2013, or an equivalent code, regulation, or standard that is acceptable to the Secretary; and

(B) shall require that, as part of the review of an application for documentation of a vessel that is subject to the regulations, the owner shall disclose to the Coast Guard—

(i) the identification and place of residence of such owner; and

(ii) if the owner is an entity described in paragraph (2), (3), or (4) of section 12103(b) of title 46, United States Code, the beneficial owners of such entity.

(3) DEADLINE.—The Secretary shall issue regulations required by paragraph (1) by not later than one year after the date of the enactment of this Act.

(4) INTERIM COMPLIANCE.—Until the effective date of regulations issued under paragraph (1), a recreational vessel described in paragraph (1) shall not be subject to inspection under section 3301(7) of title 46, United States Code, if the Secretary determines, as part of the review of the application for documentation submitted for the vessel by the owner of the vessel and other materials as considered necessary by the Secretary, that the vessel complies with the code set forth in Merchant

Shipping Notice 1851(M) (commonly referred to as the "Large Commercial Yacht Code (LY3)"), as published by the Maritime and Coastguard Agency of the United Kingdom on August 20, 2013, or an equivalent code, regulation, or standard that is acceptable to the Secretary.

(5) DEFINITIONS.—

(A) BENEFICIAL OWNER.—In this subsection the term "beneficial owner"—

(i) means, with respect to an entity, each natural person who, directly or indirectly—

(I) exercises control over the entity through ownership interests, voting rights, agreements, or otherwise; or

(II) has an interest in or receives substantial economic benefits from the assets of the entity; and

(ii) does not include, with respect to an entity—

(I) a minor child;

(II) a person acting as a nominee, intermediary, custodian, or agent on behalf of another person;

(III) a person acting solely as an employee of the entity and whose control over or economic benefits from the entity derives solely from the employment status of the person;

(IV) a person whose only interest in the entity is through a right of inheritance, unless the person otherwise meets the definition of "beneficial owner'" under this subparagraph; and

(V) a creditor of the entity, unless the creditor otherwise meets the requirements of "beneficial owner" under this subparagraph.

(B) OWNER.—In this subsection, other than in subparagraph (A) of this paragraph, the term "owner" means the person who is the eligible owner of the vessel for purposes of section 12103(b) of title 46, United States Code.

(b) CONFORMING AMENDMENT.—Section 3302 of title 46, United States Code, is amended by adding at the end the following:

"(n)(1) A seagoing motor vessel is not subject to inspection under section 3301(7) of this title if the vessel—

"(A) is a recreational vessel (as defined in section 2101 of this title) over 300 gross tons as measured under section 14502, or an alternate tonnage measured under section 14302 of this title as prescribed by the Secretary under section 14104 of this title;

"(B) does not carry any cargo or passengers for hire; and

"(C) is found by the Secretary to comply with large recreational vessel regulations issued by the Secretary.

"(2) This subsection shall apply only on and after the effective date of regulations referred to in paragraph (1)(C).".

Subtitle C—Coast Guard and Shipping Technical Corrections

CHAPTER 1—COAST GUARD

SEC. 3531. COMMANDANT DEFINED.

(a) IN GENERAL.—Chapter 1 of title 14, United States Code, is amended by adding at the end the following:

"§ 5. Commandant defined

"In this title, the term 'Commandant' means the Commandant of the Coast Guard.".

(b) CLERICAL AMENDMENT.—The analysis for chapter 1 of title 14, United States Code, is amended by adding at the end the following:

"5. Commandant defined.".

(c) CONFORMING AMENDMENTS.—Title 14, United States Code, is amended—

(1) in section 58(a) by striking "Commandant of the Coast Guard" and inserting "Commandant";

(2) in section 101 by striking "Commandant of the Coast Guard" and inserting "Commandant";

(3) in section 693 by striking "Commandant of the Coast Guard" and inserting "Commandant";

(4) in section 672a(a) by striking "Commandant of the Coast Guard" and inserting "Commandant";

(5) in section 678(a) by striking "Commandant of the Coast Guard" and inserting "Commandant";

(6) in section 561(a) by striking "Commandant of the Coast Guard" and inserting "Commandant";

(7) in section 577(a) by striking "Commandant of the Coast Guard" and inserting "Commandant";

(8) in section 581—

(A) by striking paragraph (4); and

(B) by redesignating paragraphs (5) through (12) as paragraphs (4) through (11), respectively;

(9) in section 200(a) by striking "Commandant of the Coast Guard" and inserting "Commandant";

(10) in section 196(b)(1) by striking "Commandant of the Coast Guard" and inserting "Commandant";

(11) in section 199 by striking "Commandant of the Coast Guard" and inserting "Commandant";

(12) in section 429(a)(1) by striking "Commandant of the Coast Guard" and inserting "Commandant";

(13) in section 423(a)(2) by striking "Commandant of the Coast Guard" and inserting "Commandant";

(14) in section 2702(5) by striking "Commandant of the Coast Guard" and inserting "Commandant"; and

(15) in section 2902(a) by striking "Commandant of the Coast Guard" and inserting "Commandant".

SEC. 3532. TRAINING COURSE ON WORKINGS OF CONGRESS.

Section 60(d) of title 14, United States Code, is amended to read as follows:

"(d) COMPLETION OF REQUIRED TRAINING.—A Coast Guard flag officer who is newly appointed or assigned to a billet in the Na-

tional Capital Region, and a Coast Guard Senior Executive Service employee who is newly employed in the National Capital Region, shall complete a training course that meets the requirements of this section not later than 60 days after reporting for duty.".

SEC. 3533. MISCELLANEOUS.

(a) SECRETARY; GENERAL POWERS.—Section 92 of title 14, United States Code, is amended by redesignating subsections (f) through (i) as subsections (e) through (h), respectively.

(b) COMMANDANT; GENERAL POWERS.—Section 93(a)(21) of title 14, United States Code, is amended by striking "section 30305(a)" and inserting "section 30305(b)(7)".

(c) ENLISTED MEMBERS.—

(1) DEPARTMENT OF THE ARMY AND DEPARTMENT OF THE AIR FORCE.—Section 144(b) of title 14, United States Code, is amended by striking "enlisted men" each place it appears and inserting "enlisted members".

(2) NAVY DEPARTMENT.—Section 145(b) of title 14, United States Code, is amended by striking "enlisted men" each place it appears and inserting "enlisted members".

(3) PURCHASE OF COMMISSARY AND QUARTERMASTER SUPPLIES.—Section 4 of the Act of May 22, 1926 (44 Stat. 626, chapter 371; 33 U.S.C. 754a), is amended by striking "enlisted men" and inserting "enlisted members".

(d) ARCTIC MARITIME TRANSPORTATION.—Section 90(f) of title 14, United States Code, is amended by striking the question mark.

(e) LONG-TERM LEASE AUTHORITY FOR LIGHTHOUSE PROPERTY.—Section 672a(a) of title 14, United States Code, as amended by this Act, is further amended by striking "Section 321 of chapter 314 of the Act of June 30, 1932 (40 U.S.C. 303b)" and inserting "Section 1302 of title 40".

(f) REQUIRED CONTRACT TERMS.—Section 565 of title 14, United States Code, is amended—

(1) in subsection (a) by striking "awarded or issued by the Coast Guard after the date of enactment of the Coast Guard Authorization Act of 2010"; and

(2) in subsection (b)(1) by striking "after the date of enactment of the Coast Guard Authorization Act of 2010".

(g) ACQUISITION PROGRAM BASELINE BREACH.—Section 575(c) of title 14, United States Code, is amended by striking "certification, with a supporting explanation, that" and inserting "determination, with a supporting explanation, of whether".

(h) ENLISTMENTS; TERM, GRADE.—Section 351(a) of title 14, United States Code, is amended by inserting "the duration of their" before "minority".

(i) MEMBERS OF THE AUXILIARY; STATUS.—Section 823a(b)(9) of title 14, United States Code, is amended by striking "On or after January 1, 2001, section" and inserting "Section".

(j) USE OF MEMBER'S FACILITIES.—Section 826(b) of title 14, United States Code, is amended by striking "section 154 of title 23, United States Code" and inserting "section 30102 of title 49".

(k) AVAILABILITY OF APPROPRIATIONS.—Section 830(b) of title 14, United States Code, is amended by striking "1954" and inserting "1986".

SEC. 3534. DEPARTMENT OF DEFENSE CONSULTATION.

Section 566 of title 14, United States Code, is amended—

(1) in subsection (b) by striking "enter into" and inserting "maintain"; and

(2) by striking subsection (d).

SEC. 3535. REPEAL.

Section 568 of title 14, United States Code, and the item relating to that section in the analysis for chapter 15 of that title, are repealed.

SEC. 3536. MISSION NEED STATEMENT.

Section 569 of title 14, United States Code, is—

(1) amended in subsection (a)—

(A) by striking "for fiscal year 2016" and inserting "for fiscal year 2019"; and

(B) by striking ", on the date on which the President submits to Congress a budget for fiscal year 2019 under such section,".

SEC. 3537. CONTINUATION ON ACTIVE DUTY.

Section 290(a) of title 14, United States Code, is amended by striking "Officers, other than the Commandant, serving" and inserting "Officers serving".

SEC. 3538. SYSTEM ACQUISITION AUTHORIZATION.

(a) REQUIREMENT FOR PRIOR AUTHORIZATION OF APPROPRIATIONS.—Section 2701(2) of title 14, United States Code, is amended by striking "and aircraft" and inserting "aircraft, and systems".

(b) AUTHORIZATION OF APPROPRIATIONS.—Section 2702(2) of title 14, United States Code, is amended by striking "and aircraft" and inserting "aircraft, and systems".

SEC. 3539. INVENTORY OF REAL PROPERTY.

Section 679 of title 14, United States Code, is amended—

(1) in subsection (a) by striking "Not later than September 30, 2015, the Commandant shall establish" and inserting "The Commandant shall maintain"; and

(2) by striking subsection (b) and inserting the following:

"(b) UPDATES.—The Commandant shall update information on each unit of real property included in the inventory required under subsection (a) not later than 30 days after any change relating to the control of such property.".

CHAPTER 2—MARITIME TRANSPORTATION

SEC. 3541. DEFINITIONS.

(a) IN GENERAL.—

(1) Section 2101 of title 46, United States Code, is amended—

(A) by inserting after paragraph (4) the following:

"( ) 'Commandant' means the Commandant of the Coast Guard.";

(B) by striking the semicolon at the end of paragraph (14) and inserting a period; and

(C) by redesignating the paragraphs of such section in order as paragraphs (1) through (54), respectively.

(2) Section 3701 of title 46, United States Code, is amended by redesignating paragraphs (3) and (4) as paragraphs (2) and (3) respectively.

(b) CONFORMING AMENDMENTS.—

(1) Section 114(o)(3) of the Marine Mammal Protection Act of 1972 (16 U.S.C. 1383a(o)(3)) is amended—

(A) by striking "section 2101(11a)" and inserting "section 2101(12)"; and

(B) by striking "section 2101(11b)" and inserting "section 2101(13)".

(2) Section 3(3) of the Magnuson-Stevens Fishery Conservation and Management Act (16 U.S.C. 1802(3)), is amended by striking "section 2101(21a)" and inserting "section 2101(30)".

(3) Section 1992(d)(7) of title 18, United States Code, is amended by striking "section 2101(22)" and inserting "section 2101(31)".

(4) Section 12(c) of the Fishermen's Protective Act of 1967 (22 U.S.C. 1980b(c)) is amended by striking "section 2101(11a)" and inserting "section 2101(12)".

(5) Section 311(a)(26)(D) of the Federal Water Pollution Control Act (33 U.S.C. 1321(a)(26)(D)) is amended by striking "section 2101(17a)" and inserting "section 2101(23)".

(6) Section 2113(3) of title 46, United States Code, is amended by striking "section 2101(42)(A)" and inserting "section 2101(51)(A)".

(7) Section 2116(d)(1) of title 46, United States Code, is amended by striking "Coast Guard Commandant" and inserting "Commandant".

(8) Section 3202(a)(1)(A) of title 46, United States Code, is amended by striking "section 2101(21)(A)" and inserting "section 2101(29)(A)".

(9) Section 3507 of title 46, United States Code, is amended—

(A) in subsection (k)(1), by striking "section 2101(22)" and inserting "section 2101(31)"; and

(B) by striking subsection (l) and inserting the following:

"(l) DEFINITION.—In this section and section 3508, the term 'owner' means the owner, charterer, managing operator, master, or other individual in charge of a vessel.".

(10) Section 4105 of title 46, United States Code, is amended—

(A) in subsection (b)(1), by striking "section 2101(42)" and inserting "section 2101(51)"; and

(B) in subsection (c), by striking "section 2101(42)(A)" and inserting "section 2101(51)(A)".

(11) Section 6101(i)(4) of title 46, United States Code, is amended by striking "of the Coast Guard".

(12) Section 7510(c)(1) of title 46, United States Code, is amended by striking "Commandant of the Coast Guard" and inserting "Commandant".

(13) Section 7706(a) of title 46, United States Code, is amended by striking "of the Coast Guard".

(14) Section 8108(a)(1) of title 46, United States Code, is amended by striking "of the Coast Guard".

(15) Section 12119(a)(3) of title 46, United States Code, is amended by striking "section 2101(20)" and inserting "section 2101(26)".

(16) Section 80302(d) of title 46, United States Code, is amended by striking "of the Coast Guard" the first place it appears.

(17) Section 1101 of title 49, United States Code, is amended by striking "Section 2101(17a)" and inserting "Section 2101(23)".

SEC. 3542. AUTHORITY TO EXEMPT VESSELS.

(a) IN GENERAL.—Section 2113 of title 46, United States Code, is amended—

(1) by adding "and" after the semicolon at the end of paragraph (3); and

(2) by striking paragraphs (4) and (5) and inserting the following:

"(4) maintain different structural fire protection, manning, operating, and equipment requirements for vessels that satisfied requirements set forth in the Passenger Vessel Safety Act of 1993 (Public Law 103–206) before June 21, 1994.".

(b) CONFORMING AMENDMENTS.—Section 3306(i) of title 46, United States Code, is amended by striking "section 2113(5)" and inserting "section 2113(4)".

SEC. 3543. PASSENGER VESSELS.

(a) PASSENGER VESSEL SECURITY AND SAFETY REQUIREMENTS.—Section 3507 of title 46, United States Code, is amended—

(1) by striking subsection (a)(3);

(2) in subsection (e)(2), by striking "services confidential" and inserting "services as confidential"; and

(3) in subsection (i), by striking "Within 6 months after the date of enactment of the Cruise Vessel Security and Safety Act of 2010, the Secretary shall issue" and insert "The Secretary shall maintain".

(b) CRIME SCENE PRESERVATION TRAINING FOR PASSENGER VESSEL CREWMEMBERS.—Section 3508 of title 46, United States Code, is amended—

(1) in subsection (a), by striking "Within 1 year after the date of enactment of the Cruise Vessel Security and Safety Act of 2010, the" and inserting "The", and by striking "develop" and inserting "maintain";

(2) in subsection (c), by striking "Beginning 2 years after the standards are established under subsection (b), no" and inserting "No";

(3) by striking subsection (d) and redesignating subsections (e) and (f) as subsections (d) and (e), respectively; and

(4) in subsection (e), as redesignated by paragraph (3), by striking "subsection (e)" each place it appears and inserting "subsection (d)".

SEC. 3544. TANK VESSELS.

(a) TANK VESSEL CONSTRUCTION STANDARDS.—Section 3703a of title 46, United States Code, is amended—

(1) in subsection (b), by striking paragraph (3) and redesignating paragraphs (4), (5), and (6) as paragraphs (3), (4), and (5), respectively;

(2) in subsection (c)(2)—

(A) by striking "that is delivered" and inserting "that was delivered";

(B) by striking "that qualifies" and inserting "that qualified"; and

(C) by striking "after January 1, 2015,";

(3) in subsection (c)(3)—

(A) by striking "that is delivered" and inserting "that was delivered"; and

(B) by striking "that qualifies" and inserting "that qualified";

(4) by striking subsection (c)(3)(A) and inserting the following:

"(A) in the case of a vessel of at least 5,000 gross tons but less than 15,000 gross tons as measured under section 14502, or an alternate tonnage measured under section 14302 as prescribed by the Secretary under section 14104, if the vessel is 25 years old or older and has a single hull, or is 30 years old or older and has a double bottom or double sides;";

(5) by striking subsection (c)(3)(B) and inserting the following:

"(B) in the case of a vessel of at least 15,000 gross tons but less than 30,000 gross tons as measured under section 14502, or an alternate tonnage measured under section 14302 as prescribed by the Secretary under section 14104, if the vessel is 25 years old or older and has a single hull, or is 30 years old or older and has a double bottom or double sides; and";

(6) by striking subsection (c)(3)(C) and inserting the following:

"(C) in the case of a vessel of at least 30,000 gross tons as measured under section 14502, or an alternate tonnage measured under section 14302 as prescribed by the Secretary under section 14104, if the vessel is 23 years old or older and has a single hull, or is 28 years old or older and has a double bottom or double sides."; and

(7) in subsection (e)—

(A) in paragraph (1), by striking "and except as otherwise provided in paragraphs (2) and (3) of this subsection"; and

(B) by striking paragraph (2) and redesignating paragraph (3) as paragraph (2).

(b) CRUDE OIL TANKER MINIMUM STANDARDS.—Section 3705 of title 46, United States Code, is amended—

(1) in subsection (b)—

(A) by striking paragraph (2);

(B) by striking "(1)"; and

(C) by redesignating subparagraphs (A) and (B) as paragraphs (1) and (2), respectively; and

(2) in subsection (c), by striking "before January 2, 1986, or the date on which the tanker reaches 15 years of age, whichever is later".

(c) PRODUCT CARRIER MINIMUM STANDARDS.—Section 3706(d) of title 46, United States Code, is amended by striking "before January 2, 1986, or the date on which it reaches 15 years of age, whichever is later".

(d) DEFINITION.—Section 1001(32)(A) of the Oil Pollution Act of 1990 (33 U.S.C. 2701(32)(A)) is amended by striking "(other than a vessel described in section 3703a(b)(3) of title 46, United States Code)".

SEC. 3545. GROUNDS FOR DENIAL OR REVOCATION.

(a) DANGEROUS DRUGS AS GROUNDS FOR DENIAL.—Section 7503 of title 46, United States Code, is amended to read as follows:

"§ 7503. Dangerous drugs as grounds for denial

"A license, certificate of registry, or merchant mariner's document authorized to be issued under this part may be denied to an individual who—

"(1) within 10 years before applying for the license, certificate, or document, has been convicted of violating a dangerous drug law of the United States or of a State; or

"(2) when applying, has ever been a user of, or addicted to, a dangerous drug unless the individual provides satisfactory proof that the individual is cured.".

(b) DANGEROUS DRUGS AS GROUNDS FOR REVOCATION.—Section 7704 of title 46, United States Code, is amended by redesignating subsections (b) and (c) as subsections (a) and (b), respectively.

SEC. 3546. MISCELLANEOUS CORRECTIONS TO TITLE 46, U.S.C.

(a) Section 2110 of title 46, United States Code, is amended by striking subsection (k).

(b) Section 2116(c) of title 46, United States Code, is amended by striking "Beginning with fiscal year 2011 and each fiscal year thereafter, the" and inserting "The".

(c) Section 3302(g)(2) of title 46, United States Code, is amended by striking "After December 31, 1988, this" and inserting "This".

(d) Section 6101(j) of title 46, United States Code, is amended by striking ", as soon as possible, and no later than January 1, 2005,".

(e) Section 7505 of title 46, United States Code, is amended by striking "section 206(b)(7) of the National Driver Register Act of 1982 (23 U.S.C. 401 note)" and inserting "section 30305(b)(7) of title 49".

(f) Section 7702(c)(1) of title 46, United States Code, is amended by striking "section 206(b)(4) of the National Driver Register Act of 1982 (23 U.S.C. 401 note)" and inserting "section 30305(b)(7) of title 49".

(g) Section 8106(f) of title 46, United States Code, is amended by striking paragraph (3) and inserting the following:

"(3) CONTINUING VIOLATIONS.—The maximum amount of a civil penalty for a violation under this subsection shall be $100,000.".

(h) Section 8703 of title 46, United States Code, is amended by redesignating subsection (c) as subsection (b).

(i) Section 11113 of title 46, United States Code, is amended—

(1) in subsection (a)(4)(A) by striking "paragraph (2)" and inserting "paragraph (3)"; and

(2) in subsection (c)(2)(B)—

(A) by striking "section 2(9)(a)" and inserting "section 2(a)(9)(A)"; and

(B) by striking "33 U.S.C. 1901(9)(a)" and inserting "33 U.S.C. 1901(a)(9)(A)".

(j) Section 12113(d)(2)(C)(iii) of title 46, United States Code, is amended by striking "118 Stat. 2887)" and inserting "118 Stat. 2887))".

(k) Section 13107(c)(2) of title 46, United States Code, is amended by striking "On and after October 1, 2016, no" and inserting "No".

(l) Section 31322(a)(4)(B) of title 46, United States Code, is amended by striking "state" and inserting "State".

(m) Section 52101(d) of title 46, United States Code, is amended by striking "(50 App. U.S.C. 459(a))" and inserting "(50 U.S.C. 3808(a))".

(n) The analysis for chapter 531 of title 46, United States Code, is amended by striking the item relating to section 53109:

(o) Section 53106(a)(1) of title 46, United States Code, is amended by striking subparagraphs (A), (B), (C), and (D), and by redesignating subparagraphs (E), (F), and (G) as subparagraphs (A), (B), and (C), respectively.

(p) Section 53111 of title 46, United States Code, is amended by striking paragraphs (1) through (4), and by redesignating paragraphs (5), (6), and (7) as paragraphs (1), (2), and (3), respectively.

(q) Section 53501 of title 46, United States Code, is amended—

(1) in paragraph (5)(A)(iii), by striking "transportation trade trade or" and inserting "transportation trade or";

(2) by redesignating paragraph (8) as paragraph (9);

(3) by striking the second paragraph (7) (relating to the definition of "United States foreign trade"); and

(4) by inserting after the first paragraph (7) the following:

"(8) UNITED STATES FOREIGN TRADE.—The term 'United States foreign trade' includes those areas in domestic trade in which a vessel built with a construction-differential subsidy is allowed to operate under the first sentence of section 506 of the Merchant Marine Act, 1936.".

(r) Section 54101(f) of title 46, United States Code, is amended by striking paragraph (2) and inserting the following:

"(2) MINIMUM STANDARDS FOR PAYMENT OR REIMBURSEMENT.—Each application submitted under paragraph (1) shall include a comprehensive description of—

"(A) the need for the project;

"(B) the methodology for implementing the project; and

"(C) any existing programs or arrangements that can be used to supplement or leverage assistance under the program.".

(s) Section 55305(d)(2)(D) of title 46, United States Code, is amended by striking "421(c)(1)" and inserting "1303(a)(1))".

(t) The analysis for chapter 575 of title 46, United States Code, is amended in the item relating to section 57533 by adding a period at the end.

(u) Section 57532(d) of title 46, United States Code, is amended by striking "(50 App. U.S.C. 1291(a), (c), 1293(c), 1294)" and inserting "(50 U.S.C. 4701(a), (c), 4703(c), and 4704)".

(v) Section 60303(c) of title 46, United States Code, is amended in by striking "Subsection (a) section does" and inserting "Subsection (a) does".

SEC. 3547. MISCELLANEOUS CORRECTIONS TO OIL POLLUTION ACT OF 1990.

(a) Section 2 of the Oil Pollution Act of 1990 (33 U.S.C. 2701 note) is amended by—

(1) inserting after the item relating to section 5007 the following:

"Sec. 5008. North Pacific Marine Research Institute.".

(2) striking the item relating to section 6003.

(b) Section 1003(d)(5) of the Oil Pollution Act of 1990 (33 U.S.C. 2703(d)(5)) is amended by inserting "section" before "1002(a)".

(c) Section 1004(d)(2)(C) of the Oil Pollution Act of 1990 (33 U.S.C. 2704(d)(2)(C)) is amended by striking "under this subparagraph (A)" and inserting "under subparagraph (A)".

(d) Section 4303 of the Oil Pollution Act of 1990 (33 U.S.C. 2716a) is amended—

(1) in subsection (a), by striking "subsection (c)(2)" and inserting "subsection (b)(2)"; and

(2) in subsection (b), by striking "this section 1016" and inserting "section 1016".

(e) Section 5002(l)(2) of the Oil Pollution Act of 1990 (33 U.S.C. 2732(l)(2)) is amended by striking "General Accounting Office" and inserting "Government Accountability Office".

SEC. 3548. MISCELLANEOUS CORRECTIONS.

(a) Section 1 of the Act of June 15, 1917 (chapter 30; 50 U.S.C. 191), is amended by striking "the Secretary of the Treasury" and inserting "the Secretary of the department in which the Coast Guard is operating".

(b) Section 5(b) of the Act entitled "An Act to regulate the construction of bridges over navigable waters", approved March 23, 1906, popularly known as the Bridge Act of 1906 (chapter 1130; 33 U.S.C. 495(b)), is amended by striking "$5,000 for a violation occurring in 2004; $10,000 for a violation occurring in 2005; $15,000 for a violation occurring in 2006; $20,000 for a violation occurring in 2007; and".

(c) Section 5(f) of the Act to Prevent Pollution from Ships (33 U.S.C. 1904(f)) is amended to read as follows:

"(f) SHIP CLEARANCE; REFUSAL OR REVOCATION.—If a ship is under a detention order under this section, the Secretary may refuse or revoke the clearance required by section 60105 of title 46, United States Code.".

DIVISION D—FUNDING TABLES

SEC. 4001. AUTHORIZATION OF AMOUNTS IN FUNDING TABLES.

(a) IN GENERAL.—Whenever a funding table in this division specifies a dollar amount authorized for a project, program, or activity, the obligation and expenditure of the specified dollar amount for the project, program, or activity is hereby authorized, subject to the availability of appropriations.

(b) MERIT-BASED DECISIONS.—A decision to commit, obligate, or expend funds with or to a specific entity on the basis of a dollar amount authorized pursuant to subsection (a) shall—

(1) be based on merit-based selection procedures in accordance with the requirements of sections 2304(k) and 2374 of title 10, United States Code, or on competitive procedures; and

(2) comply with other applicable provisions of law.

(c) RELATIONSHIP TO TRANSFER AND PROGRAMMING AUTHORITY.—An amount specified in the funding tables in this division may be transferred or reprogrammed under a transfer or reprogramming authority provided by another provision of this Act or by other law. The transfer or reprogramming of an amount specified in such funding tables shall not count against a ceiling on such transfers or reprogrammings under section 1001 or section 1522 of this Act or any other provision of law, unless such transfer or reprogramming would move funds between appropriation accounts.

(d) APPLICABILITY TO CLASSIFIED ANNEX.—This section applies to any classified annex that accompanies this Act.

(e) ORAL WRITTEN COMMUNICATIONS.—No oral or written communication concerning any amount specified in the funding tables in this division shall supersede the requirements of this section.

TITLE XLI—PROCUREMENT

Sec. 4101. Procurement.
Sec. 4102. Procurement for overseas contingency operations.

SEC. 4101. PROCUREMENT.

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	AIRCRAFT PROCUREMENT, ARMY		
	FIXED WING		
002	UTILITY F/W AIRCRAFT	744	744
003	MQ–1 UAV	43,326	103,326
	MQ–1 Gray Eagle Service Life Extension Program		[60,000]
004	RQ–11 (RAVEN)	46,416	46,416
	ROTARY		
007	AH–64 APACHE BLOCK IIIA REMAN	753,248	753,248
008	ADVANCE PROCUREMENT (CY)	174,550	174,550
009	AH–64 APACHE BLOCK IIIB NEW BUILD	284,687	452,687
	Additional AH–64Es to address ARNG shortfalls		[168,000]
010	ADVANCE PROCUREMENT (CY)	58,600	58,600
011	UH–60 BLACKHAWK M MODEL (MYP)	988,810	1,073,810
	Additional UH–60Ms for ARNG		[85,000]
012	ADVANCE PROCUREMENT (CY)	106,150	106,150
013	UH–60 BLACK HAWK A AND L MODELS	146,138	146,138
014	CH–47 HELICOPTER	99,278	99,278
015	ADVANCE PROCUREMENT (CY)	24,235	24,235
	MODIFICATION OF AIRCRAFT		
018	UNIVERSAL GROUND CONTROL EQUIPMENT (UAS)	27,114	27,114
019	GRAY EAGLE MODS2	97,781	97,781
020	MULTI SENSOR ABN RECON (MIP)	52,274	66,274
	Army UFR: program increase		[14,000]
021	AH–64 MODS	104,996	104,996
022	CH–47 CARGO HELICOPTER MODS (MYP)	7,807	7,807
023	GRCS SEMA MODS (MIP)	5,573	5,573
024	ARL SEMA MODS (MIP)	7,522	7,522
025	EMARSS SEMA MODS (MIP)	20,448	20,448
026	UTILITY/CARGO AIRPLANE MODS	17,719	17,719
027	UTILITY HELICOPTER MODS	6,443	16,443
	UH–72A Life-Cycle Sustainability		[10,000]
028	NETWORK AND MISSION PLAN	123,614	123,614
029	COMMS, NAV SURVEILLANCE	161,969	161,969
030	DEGRADED VISUAL ENVIRONMENT	30,000	30,000

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
031	GATM ROLLUP	26,848	26,848
032	RQ–7 UAV MODS	103,246	103,246
033	UAS MODS	17,644	17,644
	GROUND SUPPORT AVIONICS		
034	AIRCRAFT SURVIVABILITY EQUIPMENT	57,170	57,170
035	SURVIVABILITY CM	5,853	5,853
036	CMWS	13,496	13,496
037	COMMON INFRARED COUNTERMEASURES (CIRCM)	36,839	36,839
	OTHER SUPPORT		
038	AVIONICS SUPPORT EQUIPMENT	1,778	1,778
039	COMMON GROUND EQUIPMENT	34,818	34,818
040	AIRCREW INTEGRATED SYSTEMS	27,243	27,243
041	AIR TRAFFIC CONTROL	63,872	63,872
042	INDUSTRIAL FACILITIES	1,417	1,417
043	LAUNCHER, 2.75 ROCKET	1,901	1,901
044	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2	991	991
	TOTAL AIRCRAFT PROCUREMENT, ARMY	**3,782,558**	**4,119,558**
	MISSILE PROCUREMENT, ARMY		
	SURFACE-TO-AIR MISSILE SYSTEM		
001	LOWER TIER AIR AND MISSILE DEFENSE (AMD)	111,395	111,395
002	MSE MISSILE	871,276	871,276
003	INDIRECT FIRE PROTECTION CAPABILITY INC 2–I	145,636	232,636
	Interim cruise missile defense		[87,000]
004	ADVANCE PROCUREMENT (CY)	31,286	27,586
	Ahead of need		[–3,700]
	AIR-TO-SURFACE MISSILE SYSTEM		
006	JOINT AIR-TO-GROUND MSLS (JAGM)	276,462	248,862
	Unit cost and engineering services cost growth		[–27,600]
	ANTI-TANK/ASSAULT MISSILE SYS		
008	JAVELIN (AAWS-M) SYSTEM SUMMARY	303,665	219,665
	Forward financed in the FY18 Omnibus for command launch units.		[–84,000]
009	TOW 2 SYSTEM SUMMARY	105,014	105,014
010	ADVANCE PROCUREMENT (CY)	19,949	19,949
011	GUIDED MLRS ROCKET (GMLRS)	359,613	329,613
	Forward financed in the FY18 Omnibus		[–30,000]
012	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	20,964	20,964
	MODIFICATIONS		
015	PATRIOT MODS	313,228	323,228
	Increase PATRIOT Mod efforts		[10,000]
016	ATACMS MODS	221,656	141,856
	Requested quantity exceeds maximum		[–79,800]
017	GMLRS MOD	266	266
018	STINGER MODS	94,756	94,756
019	AVENGER MODS	48,670	48,670
020	ITAS/TOW MODS	3,173	3,173
021	MLRS MODS	383,216	383,216
022	HIMARS MODIFICATIONS	10,196	10,196
	SPARES AND REPAIR PARTS		
023	SPARES AND REPAIR PARTS	27,737	27,737
	SUPPORT EQUIPMENT & FACILITIES		
024	AIR DEFENSE TARGETS	6,417	6,417
025	PRODUCTION BASE SUPPORT	1,202	1,202
	TOTAL MISSILE PROCUREMENT, ARMY	**3,355,777**	**3,227,677**
	PROCUREMENT OF W&TCV, ARMY		
	TRACKED COMBAT VEHICLES		
002	ARMORED MULTI PURPOSE VEHICLE (AMPV)	479,801	448,653
	Program decrease		[–31,148]
	MODIFICATION OF TRACKED COMBAT VEHICLES		
004	STRYKER (MOD)	287,490	138,190
	Army requested realignment to WTCV–5		[–149,300]
005	STRYKER UPGRADE	21,900	225,300

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	A1 conversions for 5th SBCT		*[54,100]*
	Army requested realignment—A1 conversions for 5th SBCT		*[149,300]*
006	BRADLEY PROGRAM (MOD)	625,424	465,424
	Program decrease		*[–160,000]*
007	M109 FOV MODIFICATIONS	26,482	26,482
008	PALADIN INTEGRATED MANAGEMENT (PIM)	351,802	461,802
	Program increase		*[110,000]*
009	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	110,500	110,500
010	ASSAULT BRIDGE (MOD)	2,120	2,120
011	ASSAULT BREACHER VEHICLE	62,407	62,407
012	M88 FOV MODS	4,517	4,517
013	JOINT ASSAULT BRIDGE	142,255	142,255
014	M1 ABRAMS TANK (MOD)	927,600	927,600
015	ABRAMS UPGRADE PROGRAM	1,075,999	1,075,999
	WEAPONS & OTHER COMBAT VEHICLES		
018	M240 MEDIUM MACHINE GUN (7.62MM)	1,955	6,955
	Program Increase—M240L and M240B		*[5,000]*
019	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S	23,345	23,345
020	GUN AUTOMATIC 30MM M230	7,434	7,434
021	MACHINE GUN, CAL .50 M2 ROLL	22,330	22,330
022	MORTAR SYSTEMS	12,470	12,470
023	XM320 GRENADE LAUNCHER MODULE (GLM)	697	697
024	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM	46,236	46,236
025	CARBINE	69,306	69,306
026	SMALL ARMS—FIRE CONTROL	7,929	7,929
027	COMMON REMOTELY OPERATED WEAPONS STATION	35,968	35,968
028	HANDGUN	48,251	48,251
	MOD OF WEAPONS AND OTHER COMBAT VEH		
029	MK–19 GRENADE MACHINE GUN MODS	1,684	1,684
030	M777 MODS	3,086	3,086
031	M4 CARBINE MODS	31,575	35,775
	Additional free-float forward extended rails		*[4,200]*
032	M2 50 CAL MACHINE GUN MODS	21,600	21,600
033	M249 SAW MACHINE GUN MODS	3,924	3,924
034	M240 MEDIUM MACHINE GUN MODS	6,940	6,940
035	SNIPER RIFLES MODIFICATIONS	2,747	2,747
036	M119 MODIFICATIONS	5,704	5,704
037	MORTAR MODIFICATION	3,965	3,965
038	MODIFICATIONS LESS THAN $5.0M (WOCV-WTCV)	5,577	5,577
	SUPPORT EQUIPMENT & FACILITIES		
039	ITEMS LESS THAN $5.0M (WOCV-WTCV)	3,174	3,174
040	PRODUCTION BASE SUPPORT (WOCV-WTCV)	3,284	3,284
041	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG)	1,640	1,640
	TOTAL PROCUREMENT OF W&TCV, ARMY	**4,489,118**	**4,471,270**
	PROCUREMENT OF AMMUNITION, ARMY		
	SMALL/MEDIUM CAL AMMUNITION		
001	CTG, 5.56MM, ALL TYPES	41,848	41,848
002	CTG, 7.62MM, ALL TYPES	86,199	86,199
003	CTG, HANDGUN, ALL TYPES	20,158	20,158
004	CTG, .50 CAL, ALL TYPES	65,573	65,573
005	CTG, 20MM, ALL TYPES	8,198	8,198
007	CTG, 30MM, ALL TYPES	77,995	77,995
008	CTG, 40MM, ALL TYPES	69,781	69,781
	MORTAR AMMUNITION		
009	60MM MORTAR, ALL TYPES	45,280	45,280
010	81MM MORTAR, ALL TYPES	46,853	46,853
011	120MM MORTAR, ALL TYPES	83,003	83,003
	TANK AMMUNITION		
012	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES	168,101	168,101
	ARTILLERY AMMUNITION		
013	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES	39,341	39,341
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES	211,442	211,442
015	PROJ 155MM EXTENDED RANGE M982	100,906	100,906

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	236,677	206,677
	Program decrease		[–30,000]
	MINES		
017	MINES & CLEARING CHARGES, ALL TYPES	15,905	15,905
	ROCKETS		
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	4,503	29,503
	Army UFR: bunker defeat munitions		[25,000]
019	ROCKET, HYDRA 70, ALL TYPES	211,211	241,211
	Army UFR: additional HYDRA rockets		[30,000]
	OTHER AMMUNITION		
020	CAD/PAD, ALL TYPES	10,428	10,428
021	DEMOLITION MUNITIONS, ALL TYPES	44,656	44,656
022	GRENADES, ALL TYPES	19,896	19,896
023	SIGNALS, ALL TYPES	10,121	10,121
024	SIMULATORS, ALL TYPES	11,464	11,464
	MISCELLANEOUS		
025	AMMO COMPONENTS, ALL TYPES	5,224	5,224
026	NON-LETHAL AMMUNITION, ALL TYPES	4,310	4,310
027	ITEMS LESS THAN $5 MILLION (AMMO)	11,193	11,193
028	AMMUNITION PECULIAR EQUIPMENT	10,500	10,500
029	FIRST DESTINATION TRANSPORTATION (AMMO)	18,456	18,456
030	CLOSEOUT LIABILITIES	100	100
	PRODUCTION BASE SUPPORT		
032	INDUSTRIAL FACILITIES	394,133	394,133
033	CONVENTIONAL MUNITIONS DEMILITARIZATION	157,535	157,535
034	ARMS INITIATIVE	3,771	3,771
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	**2,234,761**	**2,259,761**
	OTHER PROCUREMENT, ARMY		
	TACTICAL VEHICLES		
001	TACTICAL TRAILERS/DOLLY SETS	16,512	16,512
002	SEMITRAILERS, FLATBED:	16,951	16,951
003	AMBULANCE, 4 LITTER, 5/4 TON, 4X4	50,123	50,123
004	GROUND MOBILITY VEHICLES (GMV)	46,988	42,695
	Unobligated Balances		[–4,293]
005	ARNG HMMWV MODERNIZATION PROGRAM		25,000
	Additional HMMWVs		[25,000]
006	JOINT LIGHT TACTICAL VEHICLE	1,319,436	1,287,400
	Program reduction		[–32,036]
007	TRUCK, DUMP, 20T (CCE)	6,480	6,480
008	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	132,882	132,882
009	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP	14,842	14,842
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	138,105	122,886
	CLS contract award delay		[–15,219]
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	31,892	30,378
	Unit cost growth		[–1,514]
013	TACTICAL WHEELED VEHICLE PROTECTION KITS	38,128	38,128
014	MODIFICATION OF IN SVC EQUIP	78,507	78,507
	NON-TACTICAL VEHICLES		
016	HEAVY ARMORED VEHICLE	790	790
017	PASSENGER CARRYING VEHICLES	1,390	1,390
018	NONTACTICAL VEHICLES, OTHER	15,415	15,415
	COMM—JOINT COMMUNICATIONS		
020	SIGNAL MODERNIZATION PROGRAM	150,777	89,927
	Requirement funded in fiscal year 2018		[–41,000]
	SBU VSAT and gateway unjustified request		[–19,850]
021	TACTICAL NETWORK TECHNOLOGY MOD IN SVC	469,117	519,367
	Additional TCN-L, NOSC-L, and next generation embedded kits for IBCTs and SBCTs.		[56,000]
	Program management excess growth		[–5,750]
022	SITUATION INFORMATION TRANSPORT	62,727	62,727
023	JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY	13,895	13,895
024	JCSE EQUIPMENT (USREDCOM)	4,866	4,866
	COMM—SATELLITE COMMUNICATIONS		

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
027	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	108,133	108,133
028	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS.	56,737	56,737
029	SHF TERM	13,100	13,100
030	SMART-T (SPACE)	9,160	9,160
031	GLOBAL BRDCST SVC—GBS	25,647	25,647
032	ENROUTE MISSION COMMAND (EMC)	37,401	37,401
	COMM—C3 SYSTEM		
036	COE TACTICAL SERVER INFRASTRUCTURE (TSI)	20,500	20,500
	COMM—COMBAT COMMUNICATIONS		
038	HANDHELD MANPACK SMALL FORM FIT (HMS)	351,565	299,974
	Requirement funded in fiscal year 2018		[–51,591]
040	RADIO TERMINAL SET, MIDS LVT(2)	4,641	4,641
041	TRACTOR DESK	2,187	2,187
042	TRACTOR RIDE	9,411	9,411
044	SPIDER FAMILY OF NETWORKED MUNITIONS INCR	17,515	17,515
045	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM	819	819
046	UNIFIED COMMAND SUITE	17,807	17,807
047	COTS COMMUNICATIONS EQUIPMENT	191,835	63,835
	Requirement funded in fiscal year 2018		[–128,000]
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	25,177	25,177
	COMM—INTELLIGENCE COMM		
050	CI AUTOMATION ARCHITECTURE (MIP)	9,740	9,740
051	DEFENSE MILITARY DECEPTION INITIATIVE	2,667	2,667
	INFORMATION SECURITY		
053	FAMILY OF BIOMETRICS	8,319	8,319
054	INFORMATION SYSTEM SECURITY PROGRAM-ISSP	2,000	2,000
055	COMMUNICATIONS SECURITY (COMSEC)	88,337	88,337
056	DEFENSIVE CYBER OPERATIONS	51,343	51,343
057	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO	330	330
058	PERSISTENT CYBER TRAINING ENVIRONMENT	3,000	3,000
	COMM—LONG HAUL COMMUNICATIONS		
059	BASE SUPPORT COMMUNICATIONS	34,434	34,434
	COMM—BASE COMMUNICATIONS		
060	INFORMATION SYSTEMS	95,558	81,609
	ARCYBER funded in excess to requirement		[–13,949]
061	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM	4,736	4,736
062	HOME STATION MISSION COMMAND CENTERS (HSMCC)	24,479	24,479
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	216,433	196,433
	Excess hardware growth		[–20,000]
	ELECT EQUIP—TACT INT REL ACT (TIARA)		
066	JTT/CIBS-M (MIP)	10,268	10,268
068	DCGS-A (MIP)	261,863	261,863
069	JOINT TACTICAL GROUND STATION (JTAGS) (MIP)	5,434	5,434
070	TROJAN (MIP)	20,623	20,623
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	45,998	45,998
072	CI HUMINT AUTO REPRTING & COLL(CHARCS)(MIP)	296	296
076	ITEMS LESS THAN $5.0M (MIP)	410	410
	ELECT EQUIP—ELECTRONIC WARFARE (EW)		
077	LIGHTWEIGHT COUNTER MORTAR RADAR	9,165	9,165
078	EW PLANNING & MANAGEMENT TOOLS (EWPMT)	5,875	5,875
079	AIR VIGILANCE (AV) (MIP)	8,497	8,497
083	CI MODERNIZATION (MIP)	486	486
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)		
084	SENTINEL MODS	79,629	79,629
085	NIGHT VISION DEVICES	153,180	153,180
087	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	22,882	22,882
088	RADIATION MONITORING SYSTEMS	17,393	17,393
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	46,740	40,435
	C-RAM enhancements fielding unjustified request		[–6,305]
091	FAMILY OF WEAPON SIGHTS (FWS)	140,737	131,437
	Unexecutable funds		[–9,300]
093	PROFILER	171	171
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	405,239	391,881

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	Requirement funded in fiscal year 2018		*[–13,358]*
095	JOINT EFFECTS TARGETING SYSTEM (JETS)	66,574	66,574
096	MOD OF IN-SVC EQUIP (LLDR)	20,783	20,783
097	COMPUTER BALLISTICS: LHMBC XM32	8,553	8,553
098	MORTAR FIRE CONTROL SYSTEM	21,489	21,489
099	COUNTERFIRE RADARS	162,121	162,121
	ELECT EQUIP—TACTICAL C2 SYSTEMS		
100	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE (	2,855	2,855
101	FIRE SUPPORT C2 FAMILY	19,153	19,153
102	AIR & MSL DEFENSE PLANNING & CONTROL SYS	33,837	33,837
103	LIFE CYCLE SOFTWARE SUPPORT (LCSS)	5,136	5,136
104	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	18,329	18,329
105	MANEUVER CONTROL SYSTEM (MCS)	38,015	38,015
106	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A)	15,164	15,164
107	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP	29,239	29,239
109	RECONNAISSANCE AND SURVEYING INSTRUMENT SET	6,823	6,823
110	MOD OF IN-SVC EQUIPMENT (ENFIRE)	1,177	1,177
	ELECT EQUIP—AUTOMATION		
111	ARMY TRAINING MODERNIZATION	12,265	12,265
112	AUTOMATED DATA PROCESSING EQUIP	201,875	201,875
113	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM	10,976	10,976
114	HIGH PERF COMPUTING MOD PGM (HPCMP)	66,330	66,330
115	CONTRACT WRITING SYSTEM	5,927	5,927
116	RESERVE COMPONENT AUTOMATION SYS (RCAS)	27,896	27,896
	ELECT EQUIP—AUDIO VISUAL SYS (A/V)		
117	TACTICAL DIGITAL MEDIA	4,392	4,392
118	ITEMS LESS THAN $5M (SURVEYING EQUIPMENT)	1,970	1,970
	ELECT EQUIP—SUPPORT		
119	PRODUCTION BASE SUPPORT (C-E)	506	506
	CLASSIFIED PROGRAMS		
120A	CLASSIFIED PROGRAMS	4,501	4,501
	CHEMICAL DEFENSIVE EQUIPMENT		
121	PROTECTIVE SYSTEMS	2,314	2,314
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	7,478	7,478
124	CBRN DEFENSE	173,954	173,954
	BRIDGING EQUIPMENT		
125	TACTICAL BRIDGING	98,229	98,229
126	TACTICAL BRIDGE, FLOAT-RIBBON	64,438	64,438
127	COMMON BRIDGE TRANSPORTER (CBT) RECAP	79,916	79,916
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
128	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST	8,471	8,471
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)	29,883	29,883
130	AREA MINE DETECTION SYSTEM (AMDS)	11,594	11,594
131	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	40,834	40,834
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)	4,029	4,029
133	EOD ROBOTICS SYSTEMS RECAPITALIZATION	14,208	14,208
134	ROBOTICS AND APPLIQUE SYSTEMS	31,456	31,456
136	REMOTE DEMOLITION SYSTEMS	1,748	1,748
137	< $5M, COUNTERMINE EQUIPMENT	7,829	7,829
138	FAMILY OF BOATS AND MOTORS	5,806	5,806
	COMBAT SERVICE SUPPORT EQUIPMENT		
139	HEATERS AND ECU'S	9,852	9,852
140	SOLDIER ENHANCEMENT	1,103	1,103
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	5,875	5,875
142	GROUND SOLDIER SYSTEM	92,487	36,487
	Requirement funded in fiscal year 2018		*[–56,000]*
143	MOBILE SOLDIER POWER	30,774	30,774
145	FIELD FEEDING EQUIPMENT	17,521	17,521
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	44,855	44,855
147	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS	17,173	17,173
148	ITEMS LESS THAN $5M (ENG SPT)	2,000	2,000
	PETROLEUM EQUIPMENT		
149	QUALITY SURVEILLANCE EQUIPMENT	1,770	1,770
150	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	39,730	39,730

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Line	Item	FY 2019 Request	Conference Authorized
	MEDICAL EQUIPMENT		
151	COMBAT SUPPORT MEDICAL	57,752	57,752
	MAINTENANCE EQUIPMENT		
152	MOBILE MAINTENANCE EQUIPMENT SYSTEMS	37,722	37,722
153	ITEMS LESS THAN $5.0M (MAINT EQ)	4,985	4,985
	CONSTRUCTION EQUIPMENT		
155	SCRAPERS, EARTHMOVING	7,961	7,961
156	HYDRAULIC EXCAVATOR	1,355	1,355
158	ALL TERRAIN CRANES	13,031	13,031
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	46,048	46,048
160	ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP	980	8,480
	Program increase—additional ERACC systems		[7,500]
161	CONST EQUIP ESP	37,017	37,017
162	ITEMS LESS THAN $5.0M (CONST EQUIP)	6,103	6,103
	RAIL FLOAT CONTAINERIZATION EQUIPMENT		
163	ARMY WATERCRAFT ESP	27,711	27,711
164	ITEMS LESS THAN $5.0M (FLOAT/RAIL)	8,385	8,385
	GENERATORS		
165	GENERATORS AND ASSOCIATED EQUIP	133,772	133,772
166	TACTICAL ELECTRIC POWER RECAPITALIZATION	8,333	8,333
	MATERIAL HANDLING EQUIPMENT		
167	FAMILY OF FORKLIFTS	12,901	12,901
	TRAINING EQUIPMENT		
168	COMBAT TRAINING CENTERS SUPPORT	123,228	123,228
169	TRAINING DEVICES, NONSYSTEM	228,598	228,598
170	CLOSE COMBAT TACTICAL TRAINER	33,080	33,080
171	AVIATION COMBINED ARMS TACTICAL TRAINER	32,700	32,700
172	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING	25,161	25,161
	TEST MEASURE AND DIG EQUIPMENT (TMD)		
173	CALIBRATION SETS EQUIPMENT	4,270	4,270
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	76,295	76,295
175	TEST EQUIPMENT MODERNIZATION (TEMOD)	9,806	9,806
	OTHER SUPPORT EQUIPMENT		
176	M25 STABILIZED BINOCULAR	4,368	4,368
177	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	9,879	9,879
178	PHYSICAL SECURITY SYSTEMS (OPA3)	54,043	54,043
179	BASE LEVEL COMMON EQUIPMENT	6,633	6,633
180	MODIFICATION OF IN-SVC EQUIPMENT (OPA–3)	49,797	49,797
181	PRODUCTION BASE SUPPORT (OTH)	2,301	2,301
182	SPECIAL EQUIPMENT FOR USER TESTING	11,608	11,608
183	TRACTOR YARD	4,956	4,956
	OPA2		
184	INITIAL SPARES—C&E	9,817	9,817
	TOTAL OTHER PROCUREMENT, ARMY	**7,999,529**	**7,669,864**
	AIRCRAFT PROCUREMENT, NAVY		
	COMBAT AIRCRAFT		
001	F/A–18E/F (FIGHTER) HORNET	1,937,553	1,881,304
	Excess NRE and Support Costs		[–56,249]
002	ADVANCE PROCUREMENT (CY)	58,799	58,799
003	JOINT STRIKE FIGHTER CV	1,144,958	1,132,058
	Production Effiencies		[–12,900]
004	ADVANCE PROCUREMENT (CY)	140,010	140,010
005	JSF STOVL	2,312,847	2,276,547
	Production Efficiences		[–36,300]
006	ADVANCE PROCUREMENT (CY)	228,492	228,492
007	CH–53K (HEAVY LIFT)	1,113,804	1,068,426
	Support cost growth		[–45,378]
008	ADVANCE PROCUREMENT (CY)	161,079	161,079
009	V–22 (MEDIUM LIFT)	806,337	784,337
	Unit cost savings		[–22,000]
010	ADVANCE PROCUREMENT (CY)	36,955	36,955
011	H–1 UPGRADES (UH–1Y/AH–1Z)	820,755	820,755
014	P–8A POSEIDON	1,803,753	1,778,753

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Line	Item	FY 2019 Request	Conference Authorized
	Excessive CFE Electronics cost growth		*[–5,000]*
	Excessive support cost growth		*[–20,000]*
015	*ADVANCE PROCUREMENT (CY)*	180,000	180,000
016	*E–2D ADV HAWKEYE*	742,693	904,193
	Unit cost savings		*[–8,500]*
	UPL—1 additional Aircraft		*[170,000]*
017	*ADVANCE PROCUREMENT (CY)*	240,734	240,734
	AIRLIFT AIRCRAFT		
018	*C–40A*	206,000	0
	Forward financed in the FY18 Omnibus		*[–206,000]*
	OTHER AIRCRAFT		
020	*KC–130J*	160,433	160,433
021	*ADVANCE PROCUREMENT (CY)*	110,013	102,050
	Excess growth		*[–7,963]*
022	*MQ–4 TRITON*	568,743	544,793
	Unit and support cost growth		*[–23,950]*
023	*ADVANCE PROCUREMENT (CY)*	58,522	58,522
024	*MQ–8 UAV*	54,761	54,761
025	*STUASL0 UAV*	14,866	14,866
026	*VH–92A EXECUTIVE HELO*	649,015	649,015
	MODIFICATION OF AIRCRAFT		
027	*AEA SYSTEMS*	25,277	25,277
028	*AV–8 SERIES*	58,577	58,577
029	*ADVERSARY*	14,606	14,606
030	*F–18 SERIES*	1,213,482	1,224,882
	Program decrease		*[–2,500]*
	UPL—EA–18G Advanced Modes / Cognitive EW		*[13,900]*
031	*H–53 SERIES*	70,997	70,997
032	*SH–60 SERIES*	130,661	130,661
033	*H–1 SERIES*	87,143	87,143
034	*EP–3 SERIES*	3,633	3,633
035	*P–3 SERIES*	803	803
036	*E–2 SERIES*	88,780	80,980
	Installations early to need (OSIP 002–18)		*[–7,800]*
037	*TRAINER A/C SERIES*	11,660	11,660
038	*C–2A*	11,327	8,327
	Forward financed		*[–3,000]*
039	*C–130 SERIES*	79,075	72,152
	Forward financed		*[–6,923]*
040	*FEWSG*	597	597
041	*CARGO/TRANSPORT A/C SERIES*	8,932	8,932
042	*E–6 SERIES*	181,821	180,493
	Excess installation costs		*[–1,328]*
043	*EXECUTIVE HELICOPTERS SERIES*	23,566	23,566
044	*SPECIAL PROJECT AIRCRAFT*	7,620	7,620
045	*T–45 SERIES*	195,475	195,475
046	*POWER PLANT CHANGES*	21,521	21,521
047	*JPATS SERIES*	27,644	27,644
048	*AVIATION LIFE SUPPORT MODS*	15,864	15,864
049	*COMMON ECM EQUIPMENT*	166,306	191,306
	Navy UFR: F/A–18E/F Super Hornet Adaptive RADAR countermeasures.		*[25,000]*
050	*COMMON AVIONICS CHANGES*	117,551	117,551
051	*COMMON DEFENSIVE WEAPON SYSTEM*	1,994	1,994
052	*ID SYSTEMS*	40,696	40,696
053	*P–8 SERIES*	71,251	71,251
054	*MAGTF EW FOR AVIATION*	11,590	11,590
055	*MQ–8 SERIES*	37,907	37,907
057	*V–22 (TILT/ROTOR ACFT) OSPREY*	214,820	211,700
	Excess support costs		*[–3,120]*
058	*NEXT GENERATION JAMMER (NGJ)*	952	0
	Early to need		*[–952]*
059	*F–35 STOVL SERIES*	36,618	36,618
060	*F–35 CV SERIES*	21,236	21,236

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Line	Item	FY 2019 Request	Conference Authorized
061	QRC	101,499	101,499
062	MQ–4 SERIES	48,278	48,278
063	RQ–21 SERIES	6,904	6,904
	AIRCRAFT SPARES AND REPAIR PARTS		
064	SPARES AND REPAIR PARTS	1,792,920	1,842,920
	F–35B and F–35C spares quantity increase		[50,000]
	AIRCRAFT SUPPORT EQUIP & FACILITIES		
065	COMMON GROUND EQUIPMENT	421,606	411,606
	Program decrease		[–10,000]
066	AIRCRAFT INDUSTRIAL FACILITIES	24,496	24,496
067	WAR CONSUMABLES	42,108	42,108
068	OTHER PRODUCTION CHARGES	1,444	1,444
069	SPECIAL SUPPORT EQUIPMENT	49,489	49,489
070	FIRST DESTINATION TRANSPORTATION	1,951	1,951
	TOTAL AIRCRAFT PROCUREMENT, NAVY	**19,041,799**	**18,820,836**
	WEAPONS PROCUREMENT, NAVY		
	MODIFICATION OF MISSILES		
001	TRIDENT II MODS	1,078,750	1,078,750
	SUPPORT EQUIPMENT & FACILITIES		
002	MISSILE INDUSTRIAL FACILITIES	6,998	6,998
	STRATEGIC MISSILES		
003	TOMAHAWK	98,570	78,406
	Shutdown costs early to need		[–20,164]
	TACTICAL MISSILES		
004	AMRAAM	211,058	211,058
005	SIDEWINDER	77,927	122,927
	Navy UFR: additional AIM 9–X missiles		[45,000]
006	JSOW	1,330	1,330
007	STANDARD MISSILE	490,210	490,210
008	ADVANCE PROCUREMENT (CY)	125,683	125,683
009	SMALL DIAMETER BOMB II	91,272	91,272
010	RAM	96,221	96,221
011	JOINT AIR GROUND MISSILE (JAGM)	24,109	24,109
014	STAND OFF PRECISION GUIDED MUNITIONS (SOPGM)	11,378	11,378
015	AERIAL TARGETS	137,137	137,137
016	OTHER MISSILE SUPPORT	3,318	3,318
017	LRASM	81,190	111,190
	Navy Unfunded Requirement		[30,000]
018	LCS OTH MISSILE	18,156	18,156
	MODIFICATION OF MISSILES		
019	ESSM	98,384	98,384
020	HARPOON MODS	14,840	26,840
	Navy UPL: Increase to max capacity		[12,000]
021	HARM MODS	187,985	187,985
	SUPPORT EQUIPMENT & FACILITIES		
023	WEAPONS INDUSTRIAL FACILITIES	2,006	2,006
024	FLEET SATELLITE COMM FOLLOW-ON	66,779	66,779
	ORDNANCE SUPPORT EQUIPMENT		
025	ORDNANCE SUPPORT EQUIPMENT	62,008	62,008
	TORPEDOES AND RELATED EQUIP		
026	SSTD	6,353	6,353
027	MK–48 TORPEDO	92,616	103,616
	Navy Unfunded Requirement		[11,000]
028	ASW TARGETS	12,324	12,324
	MOD OF TORPEDOES AND RELATED EQUIP		
029	MK–54 TORPEDO MODS	105,946	101,946
	Non Recurring Engineering excess growth		[–4,000]
030	MK–48 TORPEDO ADCAP MODS	40,005	40,005
031	QUICKSTRIKE MINE	9,758	9,758
	SUPPORT EQUIPMENT		
032	TORPEDO SUPPORT EQUIPMENT	79,371	79,371
033	ASW RANGE SUPPORT	3,872	3,872
	DESTINATION TRANSPORTATION		

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
034	FIRST DESTINATION TRANSPORTATION	3,726	3,726
	GUNS AND GUN MOUNTS		
035	SMALL ARMS AND WEAPONS	15,067	15,067
	MODIFICATION OF GUNS AND GUN MOUNTS		
036	CIWS MODS	63,318	63,318
037	COAST GUARD WEAPONS	40,823	40,823
038	GUN MOUNT MODS	74,618	74,618
039	LCS MODULE WEAPONS	11,350	11,350
041	AIRBORNE MINE NEUTRALIZATION SYSTEMS	22,249	22,249
	SPARES AND REPAIR PARTS		
043	SPARES AND REPAIR PARTS	135,688	135,688
	TOTAL WEAPONS PROCUREMENT, NAVY	**3,702,393**	**3,776,229**
	PROCUREMENT OF AMMO, NAVY & MC		
	NAVY AMMUNITION		
001	GENERAL PURPOSE BOMBS	79,871	79,871
002	JDAM	87,900	87,900
003	AIRBORNE ROCKETS, ALL TYPES	151,431	144,481
	APKWS product improvement previously funded		[–6,950]
004	MACHINE GUN AMMUNITION	11,344	11,344
005	PRACTICE BOMBS	49,471	49,471
006	CARTRIDGES & CART ACTUATED DEVICES	56,227	56,227
007	AIR EXPENDABLE COUNTERMEASURES	66,382	66,382
008	JATOS	2,907	2,907
009	5 INCH/54 GUN AMMUNITION	72,657	72,657
010	INTERMEDIATE CALIBER GUN AMMUNITION	33,613	32,813
	Unit cost growth (57MM, HE–PD)		[–800]
011	OTHER SHIP GUN AMMUNITION	42,142	42,142
012	SMALL ARMS & LANDING PARTY AMMO	49,888	49,888
013	PYROTECHNIC AND DEMOLITION	10,931	10,931
015	AMMUNITION LESS THAN $5 MILLION	1,106	1,106
	MARINE CORPS AMMUNITION		
019	MORTARS	28,266	28,266
021	DIRECT SUPPORT MUNITIONS	63,664	63,664
022	INFANTRY WEAPONS AMMUNITION	59,295	59,295
026	COMBAT SUPPORT MUNITIONS	31,577	31,577
028	AMMO MODERNIZATION	15,001	15,001
029	ARTILLERY MUNITIONS	86,297	86,297
030	ITEMS LESS THAN $5 MILLION	6,239	6,239
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	**1,006,209**	**998,459**
	SHIPBUILDING AND CONVERSION, NAVY		
	FLEET BALLISTIC MISSILE SHIPS		
001	ADVANCE PROCUREMENT (CY)	3,005,330	3,242,330
	Ordnance Early to Need		[–13,000]
	Submarine industrial base expansion		[250,000]
	OTHER WARSHIPS		
002	CARRIER REPLACEMENT PROGRAM	1,598,181	1,598,181
004	VIRGINIA CLASS SUBMARINE	4,373,382	4,353,382
	Excess change order rate		[–20,000]
005	ADVANCE PROCUREMENT (CY)	2,796,401	2,796,401
007	ADVANCE PROCUREMENT (CY)	449,597	449,597
008	DDG 1000	270,965	270,965
009	DDG–51	5,253,327	5,171,827
	Excessive Basic Construction Unit Cost Growth		[–81,500]
010	ADVANCE PROCUREMENT (CY)	391,928	641,928
	Enable greater long lead material procurement		[250,000]
011	LITTORAL COMBAT SHIP	646,244	1,558,505
	Align Plans and Other costs with end of production		[–37,739]
	Program Increase—Two ships		[950,000]
	AMPHIBIOUS SHIPS		
012A	ADVANCE PROCUREMENT (CY)		500,000
	AP for FY2020 LPD Flight II and/or MYP EOQ		[500,000]
013	EXPEDITIONARY SEA BASE (ESB)	650,000	647,000

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Line	Item	FY 2019 Request	Conference Authorized
	Accelerated contracts learning curve		*[–3,000]*
	AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST		
016	*TAO FLEET OILER*	*977,104*	*977,104*
017	*ADVANCE PROCUREMENT (CY)*	*75,046*	*75,046*
018	*TOWING, SALVAGE, AND RESCUE SHIP (ATS)*	*80,517*	*80,517*
020	*LCU 1700*	*41,520*	*41,520*
021	*OUTFITTING*	*634,038*	*562,038*
	Outfitting and Post Delivery early to need		*[–72,000]*
022	*SHIP TO SHORE CONNECTOR*	*325,375*	*507,875*
	Program Increase—Three vessels		*[182,500]*
023	*SERVICE CRAFT*	*72,062*	*97,062*
	Accelerate detail design and construction of YP–703 Flight II		*[25,000]*
024	*LCAC SLEP*	*23,321*	*23,321*
028	*COMPLETION OF PY SHIPBUILDING PROGRAMS*	*207,099*	*207,099*
028A	*CABLE SHIP*		*250,000*
	Program increase		*[250,000]*
	TOTAL SHIPBUILDING AND CONVERSION, NAVY	***21,871,437***	***24,051,698***
	OTHER PROCUREMENT, NAVY		
	SHIP PROPULSION EQUIPMENT		
001	*SURFACE POWER EQUIPMENT*	*19,700*	*19,700*
	GENERATORS		
003	*SURFACE COMBATANT HM&E*	*23,495*	*23,495*
	NAVIGATION EQUIPMENT		
004	*OTHER NAVIGATION EQUIPMENT*	*63,330*	*73,330*
	Accelerate ECDIS-N 9.3, 9.4, 9.5 implementation		*[10,000]*
	OTHER SHIPBOARD EQUIPMENT		
005	*SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG*	*178,421*	*178,421*
006	*DDG MOD*	*487,999*	*483,499*
	AWS Installation Unit Cost Growth		*[–4,500]*
007	*FIREFIGHTING EQUIPMENT*	*28,143*	*28,143*
008	*COMMAND AND CONTROL SWITCHBOARD*	*2,248*	*2,248*
009	*LHA/LHD MIDLIFE*	*37,694*	*37,694*
010	*POLLUTION CONTROL EQUIPMENT*	*20,883*	*20,883*
011	*SUBMARINE SUPPORT EQUIPMENT*	*37,155*	*37,155*
012	*VIRGINIA CLASS SUPPORT EQUIPMENT*	*66,328*	*66,328*
013	*LCS CLASS SUPPORT EQUIPMENT*	*47,241*	*47,241*
014	*SUBMARINE BATTERIES*	*27,987*	*25,085*
	Unit cost growth		*[–2,902]*
015	*LPD CLASS SUPPORT EQUIPMENT*	*65,033*	*65,033*
016	*DDG 1000 CLASS SUPPORT EQUIPMENT*	*89,700*	*57,700*
	Procurement early to need		*[–32,000]*
017	*STRATEGIC PLATFORM SUPPORT EQUIP*	*22,254*	*22,254*
018	*DSSP EQUIPMENT*	*3,629*	*3,629*
019	*CG MODERNIZATION*	*276,446*	*272,546*
	Integrated Ship Controls Unit Cost Growth		*[–3,900]*
020	*LCAC*	*3,709*	*3,709*
021	*UNDERWATER EOD PROGRAMS*	*78,807*	*73,000*
	Insufficient transition strategy		*[–5,807]*
022	*ITEMS LESS THAN $5 MILLION*	*126,865*	*126,865*
023	*CHEMICAL WARFARE DETECTORS*	*2,966*	*2,966*
024	*SUBMARINE LIFE SUPPORT SYSTEM*	*11,968*	*11,968*
	REACTOR PLANT EQUIPMENT		
025	*REACTOR POWER UNITS*	*346,325*	*346,325*
026	*REACTOR COMPONENTS*	*497,063*	*497,063*
	OCEAN ENGINEERING		
027	*DIVING AND SALVAGE EQUIPMENT*	*10,706*	*10,706*
	SMALL BOATS		
028	*STANDARD BOATS*	*49,771*	*49,771*
	PRODUCTION FACILITIES EQUIPMENT		
029	*OPERATING FORCES IPE*	*225,181*	*225,181*
	OTHER SHIP SUPPORT		
031	*LCS COMMON MISSION MODULES EQUIPMENT*	*46,732*	*42,223*
	EMM AN/SQS–62 training equipment unjustified request		*[–4,509]*

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Line	Item	FY 2019 Request	Conference Authorized
032	LCS MCM MISSION MODULES	124,147	124,147
033	LCS ASW MISSION MODULES	57,294	7,394
	Late test event for VDS and MFTA		[–49,900]
034	LCS SUW MISSION MODULES	26,006	14,506
	Surface to Surface MM Early to need		[–11,500]
035	LCS IN-SERVICE MODERNIZATION	70,526	70,526
	LOGISTIC SUPPORT		
036	LSD MIDLIFE & MODERNIZATION	4,784	4,784
	SHIP SONARS		
037	SPQ–9B RADAR	20,309	20,309
038	AN/SQQ–89 SURF ASW COMBAT SYSTEM	115,459	115,459
039	SSN ACOUSTIC EQUIPMENT	318,189	318,189
040	UNDERSEA WARFARE SUPPORT EQUIPMENT	10,134	10,134
	ASW ELECTRONIC EQUIPMENT		
041	SUBMARINE ACOUSTIC WARFARE SYSTEM	23,815	23,815
042	SSTD	11,277	6,277
	AN/SLQ–25E contract delay		[–5,000]
043	FIXED SURVEILLANCE SYSTEM	237,780	237,780
044	SURTASS	57,872	57,872
	ELECTRONIC WARFARE EQUIPMENT		
045	AN/SLQ–32	420,344	393,244
	Block 3 kit cost excess growth		[–12,429]
	Excess Ship Installation Unit Cost Growth		[–14,671]
	RECONNAISSANCE EQUIPMENT		
046	SHIPBOARD IW EXPLOIT	220,883	220,883
047	AUTOMATED IDENTIFICATION SYSTEM (AIS)	4,028	4,028
	OTHER SHIP ELECTRONIC EQUIPMENT		
048	COOPERATIVE ENGAGEMENT CAPABILITY	44,173	38,173
	Common Array Block antenna program delay		[–6,000]
049	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	10,991	10,991
050	ATDLS	34,526	34,526
051	NAVY COMMAND AND CONTROL SYSTEM (NCCS)	3,769	3,769
052	MINESWEEPING SYSTEM REPLACEMENT	35,709	35,709
053	SHALLOW WATER MCM	8,616	8,616
054	NAVSTAR GPS RECEIVERS (SPACE)	10,703	10,703
055	AMERICAN FORCES RADIO AND TV SERVICE	2,626	2,626
056	STRATEGIC PLATFORM SUPPORT EQUIP	9,467	9,467
	AVIATION ELECTRONIC EQUIPMENT		
057	ASHORE ATC EQUIPMENT	70,849	70,849
058	AFLOAT ATC EQUIPMENT	47,890	47,890
059	ID SYSTEMS	26,163	26,163
060	JOINT PRECISION APPROACH AND LANDING SYSTEM (	38,094	38,094
061	NAVAL MISSION PLANNING SYSTEMS	11,966	11,966
	OTHER SHORE ELECTRONIC EQUIPMENT		
062	TACTICAL/MOBILE C4I SYSTEMS	42,010	42,010
063	DCGS-N	12,896	12,896
064	CANES	423,027	412,753
	CANES afloat kit prior year carryover		[–10,274]
065	RADIAC	8,175	8,175
066	CANES-INTELL	54,465	54,465
067	GPETE	5,985	5,985
068	MASF	5,413	5,413
069	INTEG COMBAT SYSTEM TEST FACILITY	6,251	6,251
070	EMI CONTROL INSTRUMENTATION	4,183	4,183
071	ITEMS LESS THAN $5 MILLION	148,350	142,950
	NGSSR installation funding early to need		[–5,400]
	SHIPBOARD COMMUNICATIONS		
072	SHIPBOARD TACTICAL COMMUNICATIONS	45,450	45,450
073	SHIP COMMUNICATIONS AUTOMATION	105,087	105,087
074	COMMUNICATIONS ITEMS UNDER $5M	41,123	41,123
	SUBMARINE COMMUNICATIONS		
075	SUBMARINE BROADCAST SUPPORT	30,897	30,897
076	SUBMARINE COMMUNICATION EQUIPMENT	78,580	78,580
	SATELLITE COMMUNICATIONS		

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Line	Item	FY 2019 Request	Conference Authorized
077	SATELLITE COMMUNICATIONS SYSTEMS	41,205	41,205
078	NAVY MULTIBAND TERMINAL (NMT)	113,885	113,885
	SHORE COMMUNICATIONS		
079	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	4,292	4,292
	CRYPTOGRAPHIC EQUIPMENT		
080	INFO SYSTEMS SECURITY PROGRAM (ISSP)	153,526	153,526
081	MIO INTEL EXPLOITATION TEAM	951	951
	CRYPTOLOGIC EQUIPMENT		
082	CRYPTOLOGIC COMMUNICATIONS EQUIP	14,209	17,009
	SOUTHCOM CCO Sensor (2 suites)		[2,800]
	OTHER ELECTRONIC SUPPORT		
086	COAST GUARD EQUIPMENT	40,713	40,713
	SONOBUOYS		
088	SONOBUOYS—ALL TYPES	177,891	216,191
	Navy Unfunded Requirement		[38,300]
	AIRCRAFT SUPPORT EQUIPMENT		
089	WEAPONS RANGE SUPPORT EQUIPMENT	93,864	93,864
090	AIRCRAFT SUPPORT EQUIPMENT	111,724	111,724
091	ADVANCED ARRESTING GEAR (AAG)	11,054	11,054
092	METEOROLOGICAL EQUIPMENT	21,072	21,072
093	DCRS/DPL	656	656
094	AIRBORNE MINE COUNTERMEASURES	11,299	11,299
095	LAMPS EQUIPMENT	594	594
096	AVIATION SUPPORT EQUIPMENT	39,374	37,874
	ASIP unit cost growth		[–1,500]
097	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL	35,405	35,405
	SHIP GUN SYSTEM EQUIPMENT		
098	SHIP GUN SYSTEMS EQUIPMENT	5,337	5,337
	SHIP MISSILE SYSTEMS EQUIPMENT		
099	SHIP MISSILE SUPPORT EQUIPMENT	213,090	213,090
100	TOMAHAWK SUPPORT EQUIPMENT	92,890	92,890
	FBM SUPPORT EQUIPMENT		
101	STRATEGIC MISSILE SYSTEMS EQUIP	271,817	271,817
	ASW SUPPORT EQUIPMENT		
102	SSN COMBAT CONTROL SYSTEMS	129,501	129,501
103	ASW SUPPORT EQUIPMENT	19,436	19,436
	OTHER ORDNANCE SUPPORT EQUIPMENT		
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	14,258	14,258
105	ITEMS LESS THAN $5 MILLION	5,378	5,378
	OTHER EXPENDABLE ORDNANCE		
106	SUBMARINE TRAINING DEVICE MODS	65,543	65,543
107	SURFACE TRAINING EQUIPMENT	230,425	230,425
	CIVIL ENGINEERING SUPPORT EQUIPMENT		
108	PASSENGER CARRYING VEHICLES	4,867	4,867
109	GENERAL PURPOSE TRUCKS	2,674	2,674
110	CONSTRUCTION & MAINTENANCE EQUIP	20,994	20,994
111	FIRE FIGHTING EQUIPMENT	17,189	17,189
112	TACTICAL VEHICLES	19,916	19,916
113	AMPHIBIOUS EQUIPMENT	7,400	7,400
114	POLLUTION CONTROL EQUIPMENT	2,713	2,713
115	ITEMS UNDER $5 MILLION	35,540	35,540
116	PHYSICAL SECURITY VEHICLES	1,155	1,155
	SUPPLY SUPPORT EQUIPMENT		
117	SUPPLY EQUIPMENT	18,786	18,786
118	FIRST DESTINATION TRANSPORTATION	5,375	5,375
119	SPECIAL PURPOSE SUPPLY SYSTEMS	580,371	580,371
	TRAINING DEVICES		
120	TRAINING SUPPORT EQUIPMENT	3,400	3,400
121	TRAINING AND EDUCATION EQUIPMENT	24,283	22,183
	Excess Production Support		[–2,100]
	COMMAND SUPPORT EQUIPMENT		
122	COMMAND SUPPORT EQUIPMENT	66,681	66,681
123	MEDICAL SUPPORT EQUIPMENT	3,352	3,352
125	NAVAL MIP SUPPORT EQUIPMENT	1,984	1,984

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Line	Item	FY 2019 Request	Conference Authorized
126	OPERATING FORCES SUPPORT EQUIPMENT	15,131	15,131
127	C4ISR EQUIPMENT	3,576	3,576
128	ENVIRONMENTAL SUPPORT EQUIPMENT	31,902	31,902
129	PHYSICAL SECURITY EQUIPMENT	175,436	195,436
	New Navy port waterborne security barriers increase		[20,000]
130	ENTERPRISE INFORMATION TECHNOLOGY	25,393	25,393
	OTHER		
133	NEXT GENERATION ENTERPRISE SERVICE	96,269	96,269
	CLASSIFIED PROGRAMS		
133A	CLASSIFIED PROGRAMS	15,681	15,681
	SPARES AND REPAIR PARTS		
134	SPARES AND REPAIR PARTS	326,838	326,838
	TOTAL OTHER PROCUREMENT, NAVY	**9,414,355**	**9,313,063**
	PROCUREMENT, MARINE CORPS		
	TRACKED COMBAT VEHICLES		
001	AAV7A1 PIP	156,249	96,836
	Program reduction		[–59,413]
002	AMPHIBIOUS COMBAT VEHICLE 1.1	167,478	167,478
003	LAV PIP	43,701	43,701
	ARTILLERY AND OTHER WEAPONS		
005	155MM LIGHTWEIGHT TOWED HOWITZER	47,158	47,158
006	ARTILLERY WEAPONS SYSTEM	134,246	134,246
007	WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION	40,687	40,687
	OTHER SUPPORT		
008	MODIFICATION KITS	22,904	22,904
	GUIDED MISSILES		
009	GROUND BASED AIR DEFENSE	18,334	18,334
010	ANTI-ARMOR MISSILE-JAVELIN	3,020	3,020
011	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS)	13,760	13,760
012	ANTI-ARMOR MISSILE-TOW	59,702	59,702
	COMMAND AND CONTROL SYSTEMS		
013	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C	35,467	35,467
	REPAIR AND TEST EQUIPMENT		
014	REPAIR AND TEST EQUIPMENT	46,081	45,656
	Program Reduction		[–425]
	OTHER SUPPORT (TEL)		
015	MODIFICATION KITS	971	971
	COMMAND AND CONTROL SYSTEM (NON-TEL)		
016	ITEMS UNDER $5 MILLION (COMM & ELEC)	69,203	67,360
	Program Reduction		[–1,843]
017	AIR OPERATIONS C2 SYSTEMS	14,269	14,269
	RADAR + EQUIPMENT (NON-TEL)		
018	RADAR SYSTEMS	6,694	6,694
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	224,969	224,969
	INTELL/COMM EQUIPMENT (NON-TEL)		
021	GCSS-MC	1,187	1,187
022	FIRE SUPPORT SYSTEM	60,189	60,189
023	INTELLIGENCE SUPPORT EQUIPMENT	73,848	73,848
025	UNMANNED AIR SYSTEMS (INTEL)	3,848	3,848
026	DCGS-MC	16,081	16,081
	OTHER SUPPORT (NON-TEL)		
030	NEXT GENERATION ENTERPRISE NETWORK (NGEN)	87,120	87,120
031	COMMON COMPUTER RESOURCES	68,914	68,914
032	COMMAND POST SYSTEMS	124,838	124,838
033	RADIO SYSTEMS	279,680	264,680
	Program reduction		[–15,000]
034	COMM SWITCHING & CONTROL SYSTEMS	36,649	36,649
035	COMM & ELEC INFRASTRUCTURE SUPPORT	83,971	83,971
	CLASSIFIED PROGRAMS		
035A	CLASSIFIED PROGRAMS	3,626	3,626
	ADMINISTRATIVE VEHICLES		
036	COMMERCIAL CARGO VEHICLES	25,441	25,441
	TACTICAL VEHICLES		

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
037	MOTOR TRANSPORT MODIFICATIONS	11,392	11,392
038	JOINT LIGHT TACTICAL VEHICLE	607,011	607,011
039	FAMILY OF TACTICAL TRAILERS	2,393	2,393
040	TRAILERS	6,540	6,540
	ENGINEER AND OTHER EQUIPMENT		
041	ENVIRONMENTAL CONTROL EQUIP ASSORT	496	496
042	TACTICAL FUEL SYSTEMS	54	54
043	POWER EQUIPMENT ASSORTED	21,062	21,062
044	AMPHIBIOUS SUPPORT EQUIPMENT	5,290	5,290
045	EOD SYSTEMS	47,854	47,854
	MATERIALS HANDLING EQUIPMENT		
046	PHYSICAL SECURITY EQUIPMENT	28,306	28,306
	GENERAL PROPERTY		
047	FIELD MEDICAL EQUIPMENT	33,513	33,513
048	TRAINING DEVICES	52,040	52,040
049	FAMILY OF CONSTRUCTION EQUIPMENT	36,156	39,656
	GPS Grade Control Systems (GCS) and Survey Sets		[3,500]
050	FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV)	606	606
	OTHER SUPPORT		
051	ITEMS LESS THAN $5 MILLION	11,608	11,608
	SPARES AND REPAIR PARTS		
053	SPARES AND REPAIR PARTS	25,804	25,804
	TOTAL PROCUREMENT, MARINE CORPS	**2,860,410**	**2,787,229**
	AIRCRAFT PROCUREMENT, AIR FORCE		
	TACTICAL FORCES		
001	F–35	4,261,021	4,177,681
	Production Efficiences		[–83,340]
002	ADVANCE PROCUREMENT (CY)	406,000	406,000
002A	O/A-X LIGHT ATTACK AIRCRAFT		300,000
	Procurement of OA-X aircraft and long lead materials		[300,000]
	OTHER COMBAT AIRCRAFT		
003	C–135B	222,176	222,176
	TACTICAL AIRLIFT		
004	KC–46A TANKER	2,559,911	2,351,476
	Interim contractor support early to need		[–102,700]
	Unit cost savings		[–105,735]
	OTHER AIRLIFT		
005	C–130J	35,858	35,858
006	HC–130J	129,437	129,437
008	MC–130J	770,201	727,879
	Interim supply support costs unjustified growth		[–42,322]
009	ADVANCE PROCUREMENT (CY)	218,000	218,000
	HELICOPTERS		
011	COMBAT RESCUE HELICOPTER	680,201	680,201
	MISSION SUPPORT AIRCRAFT		
013	CIVIL AIR PATROL A/C	2,719	2,719
	OTHER AIRCRAFT		
014	TARGET DRONES	139,053	139,053
015	COMPASS CALL MODS	108,113	108,113
017	MQ–9	221,707	341,707
	Increase to accelerate Advanced Battle Management System		[120,000]
	STRATEGIC AIRCRAFT		
019	B–2A	60,301	60,301
020	B–1B	51,290	51,290
021	B–52	105,519	95,830
	Air Force requested realignment		[–14,759]
	Airspace compliance funding ahead of need		[–1,954]
	Bomber tactical data link ahead of need		[–2,976]
	LRASM certification		[10,000]
	TACTICAL AIRCRAFT		
023	A–10	98,720	163,720
	Additional A–10 wing replacements		[65,000]
024	C–130J	10,831	10,831

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Line	Item	FY 2019 Request	Conference Authorized
025	F–15	548,109	541,581
	APG–82 install cost growth		[–6,528]
026	F–16	324,323	324,323
027	F–22A	250,710	250,710
029	F–35 MODIFICATIONS	247,271	247,271
030	F–15 EPAW	147,685	214,885
	Eagle Passive Active Warning and Survivability System (EPAWSS).		[67,200]
031	INCREMENT 3.2B	9,007	9,007
033	KC–46A TANKER	8,547	8,547
	AIRLIFT AIRCRAFT		
034	C–5	77,845	71,835
	Mission computer and weather radar cost growth		[–6,010]
036	C–17A	102,121	102,121
037	C–21	17,516	17,516
038	C–32A	4,537	4,537
039	C–37A	419	419
	TRAINER AIRCRAFT		
041	GLIDER MODS	137	137
042	T–6	22,550	22,550
043	T–1	21,952	21,952
044	T–38	70,623	70,623
	OTHER AIRCRAFT		
045	U–2 MODS	48,774	48,774
046	KC–10A (ATCA)	11,104	11,104
047	C–12	4,900	4,900
048	VC–25A MOD	36,938	36,938
049	C–40	251	251
050	C–130	22,094	151,094
	Program Increase--eight blade proppeler upgrade (88 kits)		[55,000]
	Program Increase--engine enhancement program (88 kits)		[74,000]
051	C–130J MODS	132,045	132,045
052	C–135	113,076	91,410
	Aero-I SATCOM ahead of need		[–21,666]
053	OC–135B	5,913	5,913
054	COMPASS CALL MODS	49,885	49,885
055	COMBAT FLIGHT INSPECTION (CFIN)	499	499
056	RC–135	394,532	394,532
057	E–3	133,906	116,865
	Electronic protection ahead of need		[–17,041]
058	E–4	67,858	67,858
059	E–8	9,919	24,807
	Central Computer upgrade design		[14,888]
060	AIRBORNE WARNING AND CNTR SYS (AWACS) 40/45	57,780	57,780
061	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	14,293	14,293
062	H–1	2,940	2,940
063	H–60	55,466	55,466
064	RQ–4 MODS	23,715	128,715
	EQ–4 BACN aircraft increase		[105,000]
065	HC/MC–130 MODIFICATIONS	37,754	37,754
066	OTHER AIRCRAFT	62,010	62,010
067	MQ–9 MODS	171,548	171,548
069	CV–22 MODS	60,416	60,416
	AIRCRAFT SPARES AND REPAIR PARTS		
070	INITIAL SPARES/REPAIR PARTS	956,408	865,408
	F–35A Spares		[42,000]
	KC–46 spares ahead of need		[–133,000]
	COMMON SUPPORT EQUIPMENT		
071	AIRCRAFT REPLACEMENT SUPPORT EQUIP	81,241	81,241
	POST PRODUCTION SUPPORT		
074	B–2A	1,763	1,763
075	B–2B	35,861	35,861
076	B–52	12,819	12,819
077	C–17A	10,114	10,114

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Line	Item	FY 2019 Request	Conference Authorized
079	F–15	2,545	2,545
081	F–16	11,718	7,518
	F–16 Line Shutdown		[–4,200]
082	F–22A	14,489	14,489
083	OTHER AIRCRAFT	9,928	9,928
084	RQ–4 POST PRODUCTION CHARGES	40,641	40,641
	INDUSTRIAL PREPAREDNESS		
086	INDUSTRIAL RESPONSIVENESS	17,378	17,378
	WAR CONSUMABLES		
088	WAR CONSUMABLES	29,342	29,342
	OTHER PRODUCTION CHARGES		
089	OTHER PRODUCTION CHARGES	1,502,386	1,502,386
	CLASSIFIED PROGRAMS		
093	CLASSIFIED PROGRAMS	28,278	28,278
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	**16,206,937**	**16,517,794**
	MISSILE PROCUREMENT, AIR FORCE		
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC		
001	MISSILE REPLACEMENT EQ-BALLISTIC	36,786	18,066
	TERP delays		[–18,720]
	TACTICAL		
002	JOINT AIR-SURFACE STANDOFF MISSILE	430,708	417,708
	Forward financing support costs		[–13,000]
003	LRASM0	44,185	54,385
	Restore reduction		[10,200]
004	SIDEWINDER (AIM–9X)	121,253	121,253
005	AMRAAM	337,886	337,886
006	PREDATOR HELLFIRE MISSILE	113,765	113,765
007	SMALL DIAMETER BOMB	105,034	105,034
008	SMALL DIAMETER BOMB II	100,861	100,861
	INDUSTRIAL FACILITIES		
009	INDUSTR'L PREPAREDNS/POL PREVENTION	787	787
	CLASS IV		
010	ICBM FUZE MOD	15,767	15,767
011	ADVANCE PROCUREMENT (CY)	4,100	4,100
012	MM III MODIFICATIONS	129,199	129,199
013	AGM–65D MAVERICK	288	288
014	AIR LAUNCH CRUISE MISSILE (ALCM)	47,632	47,632
	MISSILE SPARES AND REPAIR PARTS		
016	REPLEN SPARES/REPAIR PARTS	97,481	97,481
	SPECIAL PROGRAMS		
018	SPECIAL UPDATE PROGRAMS	188,539	188,539
	CLASSIFIED PROGRAMS		
019	CLASSIFIED PROGRAMS	895,183	895,183
	TOTAL MISSILE PROCUREMENT, AIR FORCE	**2,669,454**	**2,647,934**
	SPACE PROCUREMENT, AIR FORCE		
	SPACE PROGRAMS		
001	ADVANCED EHF	29,829	29,829
002	AF SATELLITE COMM SYSTEM	35,400	35,400
003	COUNTERSPACE SYSTEMS	1,121	1,121
004	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	27,867	27,867
005	WIDEBAND GAPFILLER SATELLITES(SPACE)	61,606	61,606
006	GENERAL INFORMATION TECH—SPACE	3,425	3,425
007	GPS III SPACE SEGMENT	69,386	69,386
008	GLOBAL POSTIONING (SPACE)	2,181	2,181
009	INTEG BROADCAST SERV	16,445	16,445
010	SPACEBORNE EQUIP (COMSEC)	31,895	31,895
012	MILSATCOM	11,265	11,265
013	EVOLVED EXPENDABLE LAUNCH CAPABILITY	709,981	709,981
014	EVOLVED EXPENDABLE LAUNCH VEH(SPACE)	994,555	994,555
015	SBIR HIGH (SPACE)	138,397	138,397
017	NUDET DETECTION SYSTEM	7,705	7,705
018	ROCKET SYSTEMS LAUNCH PROGRAM	47,609	47,609

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Line	Item	FY 2019 Request	Conference Authorized
019	SPACE FENCE	51,361	51,361
020	SPACE MODS	148,065	148,065
021	SPACELIFT RANGE SYSTEM SPACE	117,637	117,637
	SSPARES		
022	SPARES AND REPAIR PARTS	21,812	21,812
	TOTAL SPACE PROCUREMENT, AIR FORCE	**2,527,542**	**2,527,542**
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	ROCKETS		
001	ROCKETS	345,911	345,911
	CARTRIDGES		
002	CARTRIDGES	163,840	163,840
	BOMBS		
003	PRACTICE BOMBS	20,876	20,876
004	GENERAL PURPOSE BOMBS	259,308	259,308
005	MASSIVE ORDNANCE PENETRATOR (MOP)	38,111	38,111
006	JOINT DIRECT ATTACK MUNITION	234,198	234,198
007	B61	109,292	109,292
008	ADVANCE PROCUREMENT (CY)	52,731	52,731
	OTHER ITEMS		
009	CAD/PAD	51,455	51,455
010	EXPLOSIVE ORDNANCE DISPOSAL (EOD)	6,038	6,038
011	SPARES AND REPAIR PARTS	524	524
012	MODIFICATIONS	1,270	1,270
013	ITEMS LESS THAN $5,000,000	4,604	4,604
	FLARES		
015	FLARES	125,286	125,286
	FUZES		
016	FUZES	109,358	109,358
	SMALL ARMS		
017	SMALL ARMS	64,502	64,502
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE.	**1,587,304**	**1,587,304**
	OTHER PROCUREMENT, AIR FORCE		
	PASSENGER CARRYING VEHICLES		
001	PASSENGER CARRYING VEHICLES	6,949	6,949
	CARGO AND UTILITY VEHICLES		
002	MEDIUM TACTICAL VEHICLE	36,002	36,002
003	CAP VEHICLES	1,022	1,022
004	CARGO AND UTILITY VEHICLES	42,696	46,693
	Procurement of 7 DABs for PACOM		[3,997]
	SPECIAL PURPOSE VEHICLES		
005	JOINT LIGHT TACTICAL VEHICLE	30,145	30,145
006	SECURITY AND TACTICAL VEHICLES	1,230	1,230
007	SPECIAL PURPOSE VEHICLES	43,003	53,693
	Procurement of 7 DABs for PACOM		[10,690]
	FIRE FIGHTING EQUIPMENT		
008	FIRE FIGHTING/CRASH RESCUE VEHICLES	23,328	32,308
	Procurement of 7 DABs for PACOM		[8,980]
	MATERIALS HANDLING EQUIPMENT		
009	MATERIALS HANDLING VEHICLES	11,537	21,125
	Procurement of 7 DABs for PACOM		[9,588]
	BASE MAINTENANCE SUPPORT		
010	RUNWAY SNOW REMOV AND CLEANING EQU	37,600	38,279
	Procurement of 7 DABs for PACOM		[679]
011	BASE MAINTENANCE SUPPORT VEHICLES	104,923	104,923
	COMM SECURITY EQUIPMENT(COMSEC)		
012	COMSEC EQUIPMENT	114,372	114,372
	INTELLIGENCE PROGRAMS		
013	INTERNATIONAL INTEL TECH & ARCHITECTURES	8,290	8,290
014	INTELLIGENCE TRAINING EQUIPMENT	2,099	2,099
015	INTELLIGENCE COMM EQUIPMENT	37,415	37,415
	ELECTRONICS PROGRAMS		

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Line	Item	FY 2019 Request	Conference Authorized
016	AIR TRAFFIC CONTROL & LANDING SYS	57,937	14,387
	D-RAPCON Cost Growth		[–43,550]
018	BATTLE CONTROL SYSTEM—FIXED	3,012	3,012
019	THEATER AIR CONTROL SYS IMPROVEMEN	19,989	19,989
020	WEATHER OBSERVATION FORECAST	45,020	45,020
021	STRATEGIC COMMAND AND CONTROL	32,836	32,836
022	CHEYENNE MOUNTAIN COMPLEX	12,454	12,454
023	MISSION PLANNING SYSTEMS	14,263	14,263
025	INTEGRATED STRAT PLAN & ANALY NETWORK (ISPAN)	7,769	7,769
	SPCL COMM-ELECTRONICS PROJECTS		
026	GENERAL INFORMATION TECHNOLOGY	40,450	40,450
027	AF GLOBAL COMMAND & CONTROL SYS	6,619	6,619
028	MOBILITY COMMAND AND CONTROL	10,192	10,192
029	AIR FORCE PHYSICAL SECURITY SYSTEM	159,313	101,315
	Previously funded requirement		[–60,000]
	Procurement of 7 DABs for PACOM		[2,002]
030	COMBAT TRAINING RANGES	132,675	132,675
031	MINIMUM ESSENTIAL EMERGENCY COMM N	140,875	140,875
032	WIDE AREA SURVEILLANCE (WAS)	92,104	92,104
033	C3 COUNTERMEASURES	45,152	45,152
034	GCSS-AF FOS	483	483
035	DEFENSE ENTERPRISE ACCOUNTING & MGT SYS	802	802
036	MAINTENANCE REPAIR & OVERHAUL INITIATIVE	12,207	12,207
037	THEATER BATTLE MGT C2 SYSTEM	7,644	7,644
038	AIR & SPACE OPERATIONS CENTER (AOC)	40,066	40,066
	AIR FORCE COMMUNICATIONS		
041	BASE INFORMATION TRANSPT INFRAST (BITI) WIRED	22,357	22,357
042	AFNET	102,836	82,836
	Prior year carryover		[–20,000]
043	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	3,145	3,145
044	USCENTCOM	13,194	13,194
	ORGANIZATION AND BASE		
045	TACTICAL C-E EQUIPMENT	161,231	161,231
047	RADIO EQUIPMENT	12,142	12,142
048	CCTV/AUDIOVISUAL EQUIPMENT	6,505	3,255
	Carryover		[–3,250]
049	BASE COMM INFRASTRUCTURE	169,404	169,404
	MODIFICATIONS		
050	COMM ELECT MODS	10,654	10,654
	PERSONAL SAFETY & RESCUE EQUIP		
051	PERSONAL SAFETY AND RESCUE EQUIPMENT	51,906	51,906
	DEPOT PLANT+MTRLS HANDLING EQ		
052	MECHANIZED MATERIAL HANDLING EQUIP	88,298	88,298
	BASE SUPPORT EQUIPMENT		
053	BASE PROCURED EQUIPMENT	17,031	17,031
054	ENGINEERING AND EOD EQUIPMENT	82,635	82,635
055	MOBILITY EQUIPMENT	9,549	9,549
056	BASE MAINTENANCE AND SUPPORT EQUIPMENT	24,005	35,333
	Procurement of 7 DABs for PACOM		[11,328]
	SPECIAL SUPPORT PROJECTS		
058	DARP RC135	26,262	26,262
059	DCGS-AF	448,290	378,490
	Forward financed in the FY18 Omnibus		[–69,800]
061	SPECIAL UPDATE PROGRAM	913,813	913,813
	CLASSIFIED PROGRAMS		
062	CLASSIFIED PROGRAMS	17,258,069	17,258,069
	SPARES AND REPAIR PARTS		
063	SPARES AND REPAIR PARTS	86,365	86,365
	TOTAL OTHER PROCUREMENT, AIR FORCE	**20,890,164**	**20,740,828**
	PROCUREMENT, DEFENSE-WIDE		
	MAJOR EQUIPMENT, OSD		
043	MAJOR EQUIPMENT, OSD	35,295	35,295
	MAJOR EQUIPMENT, NSA		

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
042	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	5,403	5,403
	MAJOR EQUIPMENT, WHS		
046	MAJOR EQUIPMENT, WHS	497	497
	MAJOR EQUIPMENT, DISA		
007	INFORMATION SYSTEMS SECURITY	21,590	21,590
008	TELEPORT PROGRAM	33,905	33,905
009	ITEMS LESS THAN $5 MILLION	27,886	27,886
010	NET CENTRIC ENTERPRISE SERVICES (NCES)	1,017	1,017
011	DEFENSE INFORMATION SYSTEM NETWORK	150,674	150,674
013	WHITE HOUSE COMMUNICATION AGENCY	94,610	94,610
014	SENIOR LEADERSHIP ENTERPRISE	197,246	197,246
015	JOINT REGIONAL SECURITY STACKS (JRSS)	140,338	140,338
016	JOINT SERVICE PROVIDER	107,182	100,442
	General reduction		[–6,740]
	MAJOR EQUIPMENT, DLA		
018	MAJOR EQUIPMENT	5,225	5,225
	MAJOR EQUIPMENT, DSS		
021	MAJOR EQUIPMENT	1,196	1,196
	MAJOR EQUIPMENT, DCAA		
001	ITEMS LESS THAN $5 MILLION	2,542	2,542
	MAJOR EQUIPMENT, TJS		
044	MAJOR EQUIPMENT, TJS	4,360	4,360
045	MAJOR EQUIPMENT, TJS—CE2T2	904	904
	MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY		
026	THAAD	874,068	874,068
027	GROUND BASED MIDCOURSE	409,000	409,000
028	ADVANCE PROCUREMENT (CY)	115,000	115,000
029	AEGIS BMD	593,488	593,488
030	ADVANCE PROCUREMENT (CY)	115,206	115,206
031	BMDS AN/TPY–2 RADARS	13,185	13,185
032	ISRAELI PROGRAMS	80,000	80,000
033	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)	50,000	50,000
034	AEGIS ASHORE PHASE III	15,000	15,000
035	IRON DOME	70,000	70,000
036	AEGIS BMD HARDWARE AND SOFTWARE	97,057	97,057
	MAJOR EQUIPMENT, DHRA		
003	PERSONNEL ADMINISTRATION	10,630	10,630
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
023	VEHICLES	207	207
024	OTHER MAJOR EQUIPMENT	5,592	5,592
	MAJOR EQUIPMENT, DODEA		
020	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	1,723	1,723
	MAJOR EQUIPMENT, DCMA		
002	MAJOR EQUIPMENT	3,873	3,873
	MAJOR EQUIPMENT, DMACT		
019	MAJOR EQUIPMENT	13,106	13,106
	CLASSIFIED PROGRAMS		
046A	CLASSIFIED PROGRAMS	589,691	589,691
	AVIATION PROGRAMS		
050	ROTARY WING UPGRADES AND SUSTAINMENT	148,351	148,351
051	UNMANNED ISR	57,708	57,708
052	NON-STANDARD AVIATION	18,731	18,731
053	U–28	32,301	32,301
054	MH–47 CHINOOK	131,033	131,033
055	CV–22 MODIFICATION	32,529	32,529
056	MQ–9 UNMANNED AERIAL VEHICLE	24,621	24,621
057	PRECISION STRIKE PACKAGE	226,965	226,965
058	AC/MC–130J	165,813	160,813
	Program decrease		[–5,000]
059	C–130 MODIFICATIONS	80,274	80,274
	SHIPBUILDING		
060	UNDERWATER SYSTEMS	136,723	136,723
	AMMUNITION PROGRAMS		

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
061	ORDNANCE ITEMS <$5M	357,742	357,742
	OTHER PROCUREMENT PROGRAMS		
062	INTELLIGENCE SYSTEMS	85,699	85,699
063	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	17,863	17,863
064	OTHER ITEMS <$5M	112,117	112,117
065	COMBATANT CRAFT SYSTEMS	7,313	7,313
066	SPECIAL PROGRAMS	14,026	14,026
067	TACTICAL VEHICLES	88,608	85,608
	Non-standard vehicles program decrease		[–3,000]
068	WARRIOR SYSTEMS <$5M	438,590	428,390
	Link 16 handheld radios for USSOCOM		[12,800]
	SAT Deployable Node		[–23,000]
069	COMBAT MISSION REQUIREMENTS	19,408	19,408
070	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	6,281	6,281
071	OPERATIONAL ENHANCEMENTS INTELLIGENCE	18,509	18,509
073	OPERATIONAL ENHANCEMENTS	367,433	367,433
	CBDP		
074	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS	166,418	166,418
075	CB PROTECTION & HAZARD MITIGATION	144,519	144,519
	TOTAL PROCUREMENT, DEFENSE-WIDE	**6,786,271**	**6,761,331**
	JOINT URGENT OPERATIONAL NEEDS FUND		
	JOINT URGENT OPERATIONAL NEEDS FUND		
001	JOINT URGENT OPERATIONAL NEEDS FUND	100,025	0
	Program decrease		[–100,025]
	TOTAL JOINT URGENT OPERATIONAL NEEDS FUND.	**100,025**	0
	TOTAL PROCUREMENT	**130,526,043**	**132,278,377**

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	AIRCRAFT PROCUREMENT, ARMY		
	FIXED WING		
003	MQ–1 UAV	60,000	60,000
	ROTARY		
011	UH–60 BLACKHAWK M MODEL (MYP)	21,246	21,246
014	CH–47 HELICOPTER	25,000	25,000
	MODIFICATION OF AIRCRAFT		
017	MQ–1 PAYLOAD (MIP)	11,400	11,400
019	GRAY EAGLE MODS2	32,000	32,000
020	MULTI SENSOR ABN RECON (MIP)	51,000	51,000
032	RQ–7 UAV MODS	50,868	50,868
033	UAS MODS	3,402	3,402
	GROUND SUPPORT AVIONICS		
036	CMWS	84,387	84,387
037	COMMON INFRARED COUNTERMEASURES (CIRCM)	24,060	24,060
	TOTAL AIRCRAFT PROCUREMENT, ARMY	**363,363**	**363,363**
	MISSILE PROCUREMENT, ARMY		
	SURFACE-TO-AIR MISSILE SYSTEM		
002	MSE MISSILE	260,000	260,000
	AIR-TO-SURFACE MISSILE SYSTEM		
005	HELLFIRE SYS SUMMARY	255,040	255,040
	ANTI-TANK/ASSAULT MISSILE SYS		
008	JAVELIN (AAWS-M) SYSTEM SUMMARY	31,120	31,120
011	GUIDED MLRS ROCKET (GMLRS)	624,500	624,500
013	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS	171,138	171,138

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
014	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS	112,973	112,973
	MODIFICATIONS		
016	ATACMS MODS	225,580	225,580
021	MLRS MODS	122,000	122,000
	TOTAL MISSILE PROCUREMENT, ARMY	**1,802,351**	**1,802,351**
	PROCUREMENT OF W&TCV, ARMY		
	TRACKED COMBAT VEHICLES		
001	BRADLEY PROGRAM	205,000	205,000
002	ARMORED MULTI PURPOSE VEHICLE (AMPV)	230,359	230,359
	MODIFICATION OF TRACKED COMBAT VEHICLES		
006	BRADLEY PROGRAM (MOD)	50,000	50,000
008	PALADIN INTEGRATED MANAGEMENT (PIM)	67,000	67,000
009	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	42,354	42,354
014	M1 ABRAMS TANK (MOD)	34,000	34,000
015	ABRAMS UPGRADE PROGRAM	455,000	455,000
	WEAPONS & OTHER COMBAT VEHICLES		
018	M240 MEDIUM MACHINE GUN (7.62MM)	126	126
022	MORTAR SYSTEMS	11,842	11,842
025	CARBINE	1,800	1,800
027	COMMON REMOTELY OPERATED WEAPONS STATION	3,378	3,378
	MOD OF WEAPONS AND OTHER COMBAT VEH		
032	M2 50 CAL MACHINE GUN MODS	4,920	4,920
034	M240 MEDIUM MACHINE GUN MODS	7	7
	SUPPORT EQUIPMENT & FACILITIES		
039	ITEMS LESS THAN $5.0M (WOCV-WTCV)	1,397	1,397
	TOTAL PROCUREMENT OF W&TCV, ARMY	**1,107,183**	**1,107,183**
	PROCUREMENT OF AMMUNITION, ARMY		
	SMALL/MEDIUM CAL AMMUNITION		
001	CTG, 5.56MM, ALL TYPES	3,392	3,392
002	CTG, 7.62MM, ALL TYPES	40	40
003	CTG, HANDGUN, ALL TYPES	17	17
004	CTG, .50 CAL, ALL TYPES	189	189
005	CTG, 20MM, ALL TYPES	1,605	1,605
007	CTG, 30MM, ALL TYPES	25,000	25,000
	MORTAR AMMUNITION		
009	60MM MORTAR, ALL TYPES	218	218
010	81MM MORTAR, ALL TYPES	484	484
	ARTILLERY AMMUNITION		
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES	79,400	79,400
015	PROJ 155MM EXTENDED RANGE M982	72,985	72,985
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	63,900	63,900
	ROCKETS		
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	22,242	22,242
019	ROCKET, HYDRA 70, ALL TYPES	39,974	39,974
	OTHER AMMUNITION		
021	DEMOLITION MUNITIONS, ALL TYPES	5	5
022	GRENADES, ALL TYPES	8	8
	MISCELLANEOUS		
027	ITEMS LESS THAN $5 MILLION (AMMO)	66	66
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	**309,525**	**309,525**
	OTHER PROCUREMENT, ARMY		
	TACTICAL VEHICLES		
002	SEMITRAILERS, FLATBED:	8,000	8,000
003	AMBULANCE, 4 LITTER, 5/4 TON, 4X4	20,770	20,770
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	115,400	115,400
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	6,682	6,682
013	TACTICAL WHEELED VEHICLE PROTECTION KITS	50,000	50,000
014	MODIFICATION OF IN SVC EQUIP	186,377	186,377
	COMM—SATELLITE COMMUNICATIONS		
028	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS.	7,100	7,100

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	COMM—COMBAT COMMUNICATIONS		
037	JOINT TACTICAL RADIO SYSTEM	1,560	1,560
042	TRACTOR RIDE	13,190	13,190
045	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM	9,549	9,549
047	COTS COMMUNICATIONS EQUIPMENT	22,000	22,000
	COMM—INTELLIGENCE COMM		
050	CI AUTOMATION ARCHITECTURE (MIP)	9,800	9,800
	INFORMATION SECURITY		
055	COMMUNICATIONS SECURITY (COMSEC)	3	3
	COMM—LONG HAUL COMMUNICATIONS		
059	BASE SUPPORT COMMUNICATIONS	690	690
	COMM—BASE COMMUNICATIONS		
060	INFORMATION SYSTEMS	8,750	8,750
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	60,337	60,337
	ELECT EQUIP—TACT INT REL ACT (TIARA)		
068	DCGS-A (MIP)	37,806	37,806
070	TROJAN (MIP)	6,926	6,926
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	2,011	2,011
075	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP)	5,370	5,370
	ELECT EQUIP—ELECTRONIC WARFARE (EW)		
080	CREW	42,651	42,651
081	FAMILY OF PERSISTENT SURVEILLANCE CAP. (MIP)	20,050	20,050
082	COUNTERINTELLIGENCE/SECURITY COUNTER-MEASURES.	12,974	12,974
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)		
085	NIGHT VISION DEVICES	463	463
086	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM	2,861	2,861
087	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	60	60
088	RADIATION MONITORING SYSTEMS	11	11
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	251,062	251,062
091	FAMILY OF WEAPON SIGHTS (FWS)	525	525
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	26,146	26,146
096	MOD OF IN-SVC EQUIP (LLDR)	4,050	4,050
097	COMPUTER BALLISTICS: LHMBC XM32	960	960
098	MORTAR FIRE CONTROL SYSTEM	7,660	7,660
099	COUNTERFIRE RADARS	165,200	165,200
	ELECT EQUIP—AUTOMATION		
112	AUTOMATED DATA PROCESSING EQUIP	28,475	28,475
	CHEMICAL DEFENSIVE EQUIPMENT		
121	PROTECTIVE SYSTEMS	27	27
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	20,200	20,200
123	BASE DEFENSE SYSTEMS (BDS)	39,200	39,200
124	CBRN DEFENSE	2,317	2,317
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)	16,000	16,000
130	AREA MINE DETECTION SYSTEM (AMDS)	1	1
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)	4,850	4,850
136	REMOTE DEMOLITION SYSTEMS	1	1
	COMBAT SERVICE SUPPORT EQUIPMENT		
139	HEATERS AND ECU'S	270	270
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	4,300	4,300
142	GROUND SOLDIER SYSTEM	1,725	1,725
144	FORCE PROVIDER	55,800	55,800
145	FIELD FEEDING EQUIPMENT	1,035	1,035
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	1,980	1,980
	MEDICAL EQUIPMENT		
151	COMBAT SUPPORT MEDICAL	17,527	17,527
	MAINTENANCE EQUIPMENT		
153	ITEMS LESS THAN $5.0M (MAINT EQ)	268	268
	CONSTRUCTION EQUIPMENT		
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	25,700	25,700
	GENERATORS		
165	GENERATORS AND ASSOCIATED EQUIP	569	569
	TEST MEASURE AND DIG EQUIPMENT (TMD)		

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	9,495	9,495
	OTHER SUPPORT EQUIPMENT		
176	M25 STABILIZED BINOCULAR	33	33
177	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	18,000	18,000
178	PHYSICAL SECURITY SYSTEMS (OPA3)	6,000	6,000
179	BASE LEVEL COMMON EQUIPMENT	2,080	2,080
180	MODIFICATION OF IN-SVC EQUIPMENT (OPA–3)	19,200	19,200
	TOTAL OTHER PROCUREMENT, ARMY	**1,382,047**	**1,382,047**
	AIRCRAFT PROCUREMENT, NAVY		
	OTHER AIRCRAFT		
025	STUASL0 UAV	35,065	35,065
	MODIFICATION OF AIRCRAFT		
032	SH–60 SERIES	4,858	4,858
034	EP–3 SERIES	5,380	5,380
044	SPECIAL PROJECT AIRCRAFT	2,165	2,165
049	COMMON ECM EQUIPMENT	9,820	9,820
051	COMMON DEFENSIVE WEAPON SYSTEM	3,206	3,206
061	QRC	2,410	2,410
063	RQ–21 SERIES	17,215	17,215
	TOTAL AIRCRAFT PROCUREMENT, NAVY	**80,119**	**80,119**
	WEAPONS PROCUREMENT, NAVY		
	TACTICAL MISSILES		
004	AMRAAM	1,183	1,183
005	SIDEWINDER	381	381
012	HELLFIRE	1,530	1,530
015	AERIAL TARGETS	6,500	6,500
	GUNS AND GUN MOUNTS		
035	SMALL ARMS AND WEAPONS	1,540	1,540
	MODIFICATION OF GUNS AND GUN MOUNTS		
038	GUN MOUNT MODS	3,000	3,000
	TOTAL WEAPONS PROCUREMENT, NAVY	**14,134**	**14,134**
	PROCUREMENT OF AMMO, NAVY & MC		
	NAVY AMMUNITION		
001	GENERAL PURPOSE BOMBS	62,530	62,530
002	JDAM	93,019	93,019
003	AIRBORNE ROCKETS, ALL TYPES	2,163	2,163
004	MACHINE GUN AMMUNITION	5,000	5,000
006	CARTRIDGES & CART ACTUATED DEVICES	5,334	5,334
007	AIR EXPENDABLE COUNTERMEASURES	36,580	36,580
008	JATOS	747	747
011	OTHER SHIP GUN AMMUNITION	2,538	2,538
013	PYROTECHNIC AND DEMOLITION	1,807	1,807
015	AMMUNITION LESS THAN $5 MILLION	2,229	229
	Excess balances		[–2,000]
	MARINE CORPS AMMUNITION		
019	MORTARS	2,018	2,018
021	DIRECT SUPPORT MUNITIONS	632	632
022	INFANTRY WEAPONS AMMUNITION	779	779
026	COMBAT SUPPORT MUNITIONS	164	164
029	ARTILLERY MUNITIONS	31,001	31,001
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	**246,541**	**244,541**
	OTHER PROCUREMENT, NAVY		
	OTHER SHIPBOARD EQUIPMENT		
021	UNDERWATER EOD PROGRAMS	9,200	9,200
	SMALL BOATS		
028	STANDARD BOATS	19,060	19,060
	ASW ELECTRONIC EQUIPMENT		
043	FIXED SURVEILLANCE SYSTEM	56,950	56,950
	SATELLITE COMMUNICATIONS		
077	SATELLITE COMMUNICATIONS SYSTEMS	3,200	3,200

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	CRYPTOLOGIC EQUIPMENT		
082	CRYPTOLOGIC COMMUNICATIONS EQUIP	2,000	2,000
	SONOBUOYS		
088	SONOBUOYS—ALL TYPES	21,156	21,156
	OTHER ORDNANCE SUPPORT EQUIPMENT		
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	33,580	30,580
	JCREW CUAS unit cost growth		[–3,000]
	CIVIL ENGINEERING SUPPORT EQUIPMENT		
108	PASSENGER CARRYING VEHICLES	170	170
109	GENERAL PURPOSE TRUCKS	400	400
111	FIRE FIGHTING EQUIPMENT	770	770
112	TACTICAL VEHICLES	7,298	7,298
	SUPPLY SUPPORT EQUIPMENT		
118	FIRST DESTINATION TRANSPORTATION	500	500
	COMMAND SUPPORT EQUIPMENT		
123	MEDICAL SUPPORT EQUIPMENT	6,500	6,500
128	ENVIRONMENTAL SUPPORT EQUIPMENT	2,200	2,200
129	PHYSICAL SECURITY EQUIPMENT	19,389	19,389
	CLASSIFIED PROGRAMS		
133A	CLASSIFIED PROGRAMS	4,800	4,800
	TOTAL OTHER PROCUREMENT, NAVY	**187,173**	**184,173**
	PROCUREMENT, MARINE CORPS		
	INTELL/COMM EQUIPMENT (NON-TEL)		
022	FIRE SUPPORT SYSTEM	5,583	5,583
	TACTICAL VEHICLES		
037	MOTOR TRANSPORT MODIFICATIONS	44,440	44,440
	ENGINEER AND OTHER EQUIPMENT		
045	EOD SYSTEMS	8,000	8,000
	TOTAL PROCUREMENT, MARINE CORPS	**58,023**	**58,023**
	AIRCRAFT PROCUREMENT, AIR FORCE		
	OTHER AIRLIFT		
006	HC–130J	100,000	100,000
	OTHER AIRCRAFT		
017	MQ–9	339,740	265,700
	Excess attrition aircraft		[–74,040]
018	RQ–20B PUMA	13,500	13,500
	STRATEGIC AIRCRAFT		
020	B–1B	4,000	4,000
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES	149,778	149,778
	TACTICAL AIRCRAFT		
023	A–10	10,350	10,350
	OTHER AIRCRAFT		
045	U–2 MODS	7,900	7,900
054	COMPASS CALL MODS	36,400	36,400
059	E–8	13,000	13,000
063	H–60	40,560	40,560
065	HC/MC–130 MODIFICATIONS	87,900	87,900
066	OTHER AIRCRAFT	53,731	53,731
068	MQ–9 UAS PAYLOADS	16,000	16,000
	AIRCRAFT SPARES AND REPAIR PARTS		
070	INITIAL SPARES/REPAIR PARTS	91,500	91,500
	COMMON SUPPORT EQUIPMENT		
071	AIRCRAFT REPLACEMENT SUPPORT EQUIP	32,529	32,529
072	OTHER PRODUCTION CHARGES	22,000	22,000
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	**1,018,888**	**944,848**
	MISSILE PROCUREMENT, AIR FORCE		
	TACTICAL		
002	JOINT AIR-SURFACE STANDOFF MISSILE	61,600	61,600
005	AMRAAM	2,600	2,600
006	PREDATOR HELLFIRE MISSILE	255,000	255,000
007	SMALL DIAMETER BOMB	140,724	140,724

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	CLASS IV		
013	AGM–65D MAVERICK	33,602	33,602
	TOTAL MISSILE PROCUREMENT, AIR FORCE	**493,526**	**493,526**
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	CARTRIDGES		
002	CARTRIDGES	29,587	29,587
	BOMBS		
004	GENERAL PURPOSE BOMBS	551,862	551,862
006	JOINT DIRECT ATTACK MUNITION	738,451	738,451
	FLARES		
015	FLARES	12,116	12,116
	FUZES		
016	FUZES	81,000	81,000
	SMALL ARMS		
017	SMALL ARMS	8,500	8,500
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE.	**1,421,516**	**1,421,516**
	OTHER PROCUREMENT, AIR FORCE		
	PASSENGER CARRYING VEHICLES		
001	PASSENGER CARRYING VEHICLES	9,680	9,680
	CARGO AND UTILITY VEHICLES		
002	MEDIUM TACTICAL VEHICLE	9,680	9,680
004	CARGO AND UTILITY VEHICLES	19,680	19,680
	SPECIAL PURPOSE VEHICLES		
006	SECURITY AND TACTICAL VEHICLES	24,880	24,880
007	SPECIAL PURPOSE VEHICLES	34,680	34,680
	FIRE FIGHTING EQUIPMENT		
008	FIRE FIGHTING/CRASH RESCUE VEHICLES	9,736	9,736
	MATERIALS HANDLING EQUIPMENT		
009	MATERIALS HANDLING VEHICLES	24,680	24,680
	BASE MAINTENANCE SUPPORT		
010	RUNWAY SNOW REMOV AND CLEANING EQU	9,680	9,680
011	BASE MAINTENANCE SUPPORT VEHICLES	9,680	9,680
	INTELLIGENCE PROGRAMS		
015	INTELLIGENCE COMM EQUIPMENT	6,156	6,156
	ELECTRONICS PROGRAMS		
016	AIR TRAFFIC CONTROL & LANDING SYS	56,884	35,984
	D-RAPCON cost growth		[–20,900]
	SPCL COMM-ELECTRONICS PROJECTS		
029	AIR FORCE PHYSICAL SECURITY SYSTEM	46,236	46,236
037	THEATER BATTLE MGT C2 SYSTEM	2,500	2,500
	ORGANIZATION AND BASE		
045	TACTICAL C-E EQUIPMENT	27,911	27,911
	PERSONAL SAFETY & RESCUE EQUIP		
051	PERSONAL SAFETY AND RESCUE EQUIPMENT	13,600	13,600
	BASE SUPPORT EQUIPMENT		
053	BASE PROCURED EQUIPMENT	28,800	28,800
054	ENGINEERING AND EOD EQUIPMENT	53,500	53,500
055	MOBILITY EQUIPMENT	78,562	78,562
056	BASE MAINTENANCE AND SUPPORT EQUIPMENT	28,055	28,055
	SPECIAL SUPPORT PROJECTS		
059	DCGS-AF	2,000	2,000
	CLASSIFIED PROGRAMS		
062	CLASSIFIED PROGRAMS	3,229,364	3,229,364
	TOTAL OTHER PROCUREMENT, AIR FORCE	**3,725,944**	**3,705,044**
	PROCUREMENT, DEFENSE-WIDE		
	MAJOR EQUIPMENT, DISA		
008	TELEPORT PROGRAM	3,800	3,800
017	DEFENSE INFORMATION SYSTEMS NETWORK	12,000	12,000
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
025	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES	5,534	5,534
	CLASSIFIED PROGRAMS		
046A	CLASSIFIED PROGRAMS	41,559	41,559
	AVIATION PROGRAMS		
047	MANNED ISR	5,000	5,000
048	MC–12	5,000	5,000
049	MH–60 BLACKHAWK	27,600	27,600
051	UNMANNED ISR	17,000	17,000
052	NON-STANDARD AVIATION	13,000	13,000
053	U–28	51,722	51,722
054	MH–47 CHINOOK	36,500	36,500
	AMMUNITION PROGRAMS		
061	ORDNANCE ITEMS <$5M	100,850	100,850
	OTHER PROCUREMENT PROGRAMS		
062	INTELLIGENCE SYSTEMS	16,500	16,500
064	OTHER ITEMS <$5M	7,700	7,700
067	TACTICAL VEHICLES	59,891	59,891
068	WARRIOR SYSTEMS <$5M	21,135	21,135
069	COMBAT MISSION REQUIREMENTS	10,000	10,000
071	OPERATIONAL ENHANCEMENTS INTELLIGENCE	10,805	10,805
073	OPERATIONAL ENHANCEMENTS	126,539	126,539
	TOTAL PROCUREMENT, DEFENSE-WIDE	**572,135**	**572,135**
	NATIONAL GUARD AND RESERVE EQUIPMENT		
	UNDISTRIBUTED		
007	UNDISTRIBUTED		225,000
	Program increase		[225,000]
	TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT.		**225,000**
	TOTAL PROCUREMENT	**12,782,468**	**12,907,528**

TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Sec. 4201. Research, development, test, and evaluation.
Sec. 4202. Research, development, test, and evaluation for overseas contingency operations.

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY		
		BASIC RESEARCH		
001	0601101A	IN-HOUSE LABORATORY INDEPENDENT RESEARCH.	11,585	11,585
002	0601102A	DEFENSE RESEARCH SCIENCES	276,912	289,412
		Basic research increase		[7,500]
		Quantum information sciences		[5,000]
003	0601103A	UNIVERSITY RESEARCH INITIATIVES	65,283	65,283
004	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS.	92,115	97,115
		Basic research program increase		[5,000]
		SUBTOTAL BASIC RESEARCH	**445,895**	**463,395**
		APPLIED RESEARCH		
005	0602105A	MATERIALS TECHNOLOGY	28,600	29,600
		Conformal batteries and composite armor		[1,000]
006	0602120A	SENSORS AND ELECTRONIC SURVIVABILITY	32,366	41,366
		Expand Army Research lab Open Campus project		[4,000]
		Program increase		[5,000]

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
007	0602122A	TRACTOR HIP	8,674	8,674
008	0602126A	TRACTOR JACK	400	400
009	0602211A	AVIATION TECHNOLOGY	64,847	64,847
010	0602270A	ELECTRONIC WARFARE TECHNOLOGY	25,571	25,571
011	0602303A	MISSILE TECHNOLOGY	50,183	50,183
012	0602307A	ADVANCED WEAPONS TECHNOLOGY	29,502	29,502
013	0602308A	ADVANCED CONCEPTS AND SIMULATION	28,500	28,500
014	0602601A	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY.	70,450	70,450
015	0602618A	BALLISTICS TECHNOLOGY	75,541	75,541
016	0602622A	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY.	5,032	5,032
017	0602623A	JOINT SERVICE SMALL ARMS PROGRAM	12,394	12,394
018	0602624A	WEAPONS AND MUNITIONS TECHNOLOGY	40,444	52,944
		Accelerate Army railgun development and prototyping.		[10,000]
		Advanced warheads technology		[2,500]
019	0602705A	ELECTRONICS AND ELECTRONIC DEVICES	58,283	58,283
020	0602709A	NIGHT VISION TECHNOLOGY	29,582	29,582
021	0602712A	COUNTERMINE SYSTEMS	21,244	21,244
022	0602716A	HUMAN FACTORS ENGINEERING TECHNOLOGY	24,131	26,631
		General program increase		[2,500]
023	0602720A	ENVIRONMENTAL QUALITY TECHNOLOGY	13,242	13,242
024	0602782A	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY.	55,003	50,003
		General Program Reduction		[–5,000]
025	0602783A	COMPUTER AND SOFTWARE TECHNOLOGY	14,958	14,958
026	0602784A	MILITARY ENGINEERING TECHNOLOGY	78,159	78,159
027	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY.	21,862	21,862
028	0602786A	WARFIGHTER TECHNOLOGY	40,566	45,566
		Program increase		[5,000]
029	0602787A	MEDICAL TECHNOLOGY	90,075	90,075
		SUBTOTAL APPLIED RESEARCH	**919,609**	**944,609**
		ADVANCED TECHNOLOGY DEVELOPMENT		
030	0603001A	WARFIGHTER ADVANCED TECHNOLOGY	39,338	39,338
031	0603002A	MEDICAL ADVANCED TECHNOLOGY	62,496	62,496
032	0603003A	AVIATION ADVANCED TECHNOLOGY	124,958	124,958
033	0603004A	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY.	102,686	122,686
		Accelerate ERCA gun		[20,000]
034	0603005A	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY.	119,739	129,239
		Modular scalable powertrain		[2,500]
		Prototype Next Generation Combat Vehicle		[7,000]
035	0603006A	SPACE APPLICATION ADVANCED TECHNOLOGY	13,000	13,000
036	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY.	8,044	8,044
037	0603009A	TRACTOR HIKE	22,631	22,631
038	0603015A	NEXT GENERATION TRAINING & SIMULATION SYSTEMS.	25,682	25,682
040	0603125A	COMBATING TERRORISM—TECHNOLOGY DEVELOPMENT.	3,762	3,762
041	0603130A	TRACTOR NAIL	4,896	4,896
042	0603131A	TRACTOR EGGS	6,041	6,041
043	0603270A	ELECTRONIC WARFARE TECHNOLOGY	31,491	31,491
044	0603313A	MISSILE AND ROCKET ADVANCED TECHNOLOGY	61,132	71,132
		Shoot-on-the-Move Technology Development for SHORAD platforms.		[10,000]
045	0603322A	TRACTOR CAGE	16,845	16,845
046	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM.	183,322	193,322
		Enhance and accelerate Army artificial intelligence and machine learning.		[5,000]

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		Program increase		*[5,000]*
047	0603606A	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY.	11,104	11,104
048	0603607A	JOINT SERVICE SMALL ARMS PROGRAM	5,885	5,885
049	0603710A	NIGHT VISION ADVANCED TECHNOLOGY	61,376	58,876
		Program decrease		*[–2,500]*
050	0603728A	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS.	9,136	9,136
051	0603734A	MILITARY ENGINEERING ADVANCED TECHNOLOGY.	25,864	32,864
		Minor MILCON		*[2,000]*
		Program increase		*[5,000]*
052	0603772A	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY.	34,883	42,383
		PNT research		*[2,500]*
		Program increase		*[5,000]*
053	0603794A	C3 ADVANCED TECHNOLOGY	52,387	47,387
		Program decrease		*[–5,000]*
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	**1,026,698**	**1,083,198**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
054	0603305A	ARMY MISSLE DEFENSE SYSTEMS INTEGRATION	10,777	10,777
056	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING.	42,802	42,802
057	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV	45,254	45,254
058	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV.	22,700	22,700
059	0603639A	TANK AND MEDIUM CALIBER AMMUNITION	41,974	53,974
		Army UFR: test and evaluation of the M999 155mm Anti-Personnel Improved Conventional Munition.		*[12,000]*
060	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV	119,395	111,395
		Developmental testing early to need		*[–8,000]*
061	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	8,746	8,746
062	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV.	35,667	35,667
063	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT.	7,350	7,350
064	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL.	14,749	14,749
065	0603790A	NATO RESEARCH AND DEVELOPMENT	3,687	3,687
066	0603801A	AVIATION—ADV DEV	10,793	10,793
067	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV.	14,248	14,248
068	0603807A	MEDICAL SYSTEMS—ADV DEV	34,284	34,284
069	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	18,044	28,044
		Advanced materials research for personal protective equipment (PPE).		*[10,000]*
070	0604017A	ROBOTICS DEVELOPMENT	95,660	81,958
		RCV Phase 2 funding ahead of need		*[–13,702]*
071	0604020A	CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT & PROTOTYPING.	38,000	9,500
		Unjustified request		*[–28,500]*
072	0604100A	ANALYSIS OF ALTERNATIVES	9,765	9,765
073	0604113A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS).	12,393	12,393
074	0604114A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR.	120,374	109,359
		Contracting award planning early to need		*[–2,515]*
		Test funding ahead of need		*[–8,500]*
075	0604115A	TECHNOLOGY MATURATION INITIATIVES	95,347	95,347
076	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD).	95,085	85,085

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		Delayed new start effort		[–10,000]
077	0604118A	TRACTOR BEAM	52,894	52,894
079	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING.	77,939	77,939
080	0604319A	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2–INTERCEPT (IFPC2).	51,030	51,030
081	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT.	65,817	65,817
082	1206120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT).	146,300	146,300
083	1206308A	ARMY SPACE SYSTEMS INTEGRATION	38,319	38,319
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**1,329,393**	**1,280,176**
		SYSTEM DEVELOPMENT & DEMONSTRATION		
084	0604201A	AIRCRAFT AVIONICS	32,293	32,293
085	0604270A	ELECTRONIC WARFARE DEVELOPMENT	78,699	72,950
		Funding excess to need		[–5,749]
088	0604328A	TRACTOR CAGE	17,050	17,050
089	0604601A	INFANTRY SUPPORT WEAPONS	83,155	83,155
090	0604604A	MEDIUM TACTICAL VEHICLES	3,704	3,704
091	0604611A	JAVELIN	10,623	5,623
		Schedule delays		[–5,000]
092	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES	11,950	11,950
093	0604633A	AIR TRAFFIC CONTROL	12,347	12,347
095	0604642A	LIGHT TACTICAL WHEELED VEHICLES	8,212	8,212
096	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV.	393,613	318,613
		Mobile Protected Firepower decrease		[–75,000]
097	0604710A	NIGHT VISION SYSTEMS—ENG DEV	139,614	139,614
098	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	4,507	4,507
099	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV	49,436	44,436
		Historical underexecution		[–5,000]
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV.	95,172	95,172
101	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT.	22,628	22,628
102	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	13,297	13,297
103	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV.	9,145	9,145
104	0604768A	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)	9,894	6,894
		Prior year carryover		[–3,000]
105	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE.	21,964	21,964
106	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION.	49,288	49,288
107	0604802A	WEAPONS AND MUNITIONS—ENG DEV	183,100	176,100
		Delayed new start efforts		[–7,000]
108	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV.	79,706	76,481
		Late MSV-L contract award and concurrency		[–3,225]
109	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV.	15,970	15,970
110	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV.	44,542	44,542
111	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV	50,817	45,117
		Prior year carryover		[–5,700]
112	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE.	178,693	168,693
		Command post integrated infrastructure delayed new start.		[–10,000]
113	0604820A	RADAR DEVELOPMENT	39,338	39,338
114	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS).	37,851	37,851

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
115	0604823A	FIREFINDER	45,473	45,473
116	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL	10,395	10,395
117	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD.	69,204	55,804
		Program reduction		[–13,400]
118	0604854A	ARTILLERY SYSTEMS—EMD	1,781	1,781
119	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT	113,758	80,376
		Prior year carryover		[–33,382]
120	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A).	166,603	166,603
121	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV)	118,239	118,239
122	0605029A	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C).	3,211	3,211
123	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC)	15,889	15,889
124	0605031A	JOINT TACTICAL NETWORK (JTN)	41,972	41,972
125	0605032A	TRACTOR TIRE	41,166	41,166
126	0605033A	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EXPEDITIONARY (GBOSS-E).	5,175	5,175
127	0605034A	TACTICAL SECURITY SYSTEM (TSS)	4,496	4,496
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM).	51,178	51,178
129	0605036A	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD).	11,311	11,311
131	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE (NBCRV) SENSOR SUITE.	17,154	17,154
132	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT	36,626	36,626
133	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	3,829	3,829
134	0605047A	CONTRACT WRITING SYSTEM	41,928	41,928
135	0605049A	MISSILE WARNING SYSTEM MODERNIZATION (MWSM).	28,276	25,537
		Funding early to need		[–2,739]
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	21,965	21,965
137	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1.	157,710	145,710
		Developmental testing early to need		[–12,000]
138	0605053A	GROUND ROBOTICS	86,167	84,141
		CRS-I contract delay		[–2,026]
139	0605054A	EMERGING TECHNOLOGY INITIATIVES	42,866	68,266
		Army UFR: program increase		[25,400]
140	0605380A	AMF JOINT TACTICAL RADIO SYSTEM (JTRS)	15,984	15,984
141	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM)	11,773	11,773
142	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD).	277,607	277,607
143	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP)	12,340	12,340
144	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	2,686	2,686
145	0605830A	AVIATION GROUND SUPPORT EQUIPMENT	2,706	2,706
147	0303032A	TROJAN—RH12	4,521	4,521
150	0304270A	ELECTRONIC WARFARE DEVELOPMENT	8,922	8,922
151	1205117A	TRACTOR BEARS	23,170	23,170
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	**3,192,689**	**3,034,868**
		RDT&E MANAGEMENT SUPPORT		
152	0604256A	THREAT SIMULATOR DEVELOPMENT	12,835	12,835
153	0604258A	TARGET SYSTEMS DEVELOPMENT	12,135	12,135
154	0604759A	MAJOR T&E INVESTMENT	82,996	107,996
		Program increase		[25,000]
155	0605103A	RAND ARROYO CENTER	19,821	19,821
156	0605301A	ARMY KWAJALEIN ATOLL	246,574	246,574
157	0605326A	CONCEPTS EXPERIMENTATION PROGRAM	30,430	30,430
159	0605601A	ARMY TEST RANGES AND FACILITIES	305,759	320,759
		Increase to help manage directed energy workloads		[15,000]

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Line	Program Element	Item	FY 2019 Request	Conference Authorized
160	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS.	62,379	62,379
161	0605604A	SURVIVABILITY/LETHALITY ANALYSIS	40,496	40,496
162	0605606A	AIRCRAFT CERTIFICATION	3,941	3,941
163	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES.	9,767	9,767
164	0605706A	MATERIEL SYSTEMS ANALYSIS	21,226	21,226
165	0605709A	EXPLOITATION OF FOREIGN ITEMS	13,026	13,026
166	0605712A	SUPPORT OF OPERATIONAL TESTING	52,718	52,718
167	0605716A	ARMY EVALUATION CENTER	57,049	57,049
168	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG.	2,801	2,801
169	0605801A	PROGRAMWIDE ACTIVITIES	60,942	60,942
170	0605803A	TECHNICAL INFORMATION ACTIVITIES	29,050	29,050
171	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY.	42,332	42,332
172	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT.	3,216	3,216
173	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA.	54,145	54,145
174	0606001A	MILITARY GROUND-BASED CREW TECHNOLOGY	4,896	4,896
175	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE.	63,011	63,011
176	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION.	2,636	2,636
177	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	88,300	88,300
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	**1,322,481**	**1,362,481**
		OPERATIONAL SYSTEMS DEVELOPMENT		
181	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM	8,886	8,886
182	0603813A	TRACTOR PULL	4,067	4,067
183	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT	4,254	4,254
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS.	16,022	16,022
185	0607133A	TRACTOR SMOKE	4,577	4,577
186	0607134A	LONG RANGE PRECISION FIRES (LRPF)	186,475	159,475
		Excess program growth		[–27,000]
187	0607135A	APACHE PRODUCT IMPROVEMENT PROGRAM	31,049	31,049
188	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM	35,240	35,240
189	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM	157,822	155,103
		Program management support excess growth		[–2,719]
190	0607138A	FIXED WING PRODUCT IMPROVEMENT PROGRAM	4,189	4,189
191	0607139A	IMPROVED TURBINE ENGINE PROGRAM	192,637	192,637
194	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT.	60,860	47,860
		Research studies excess growth		[–13,000]
195	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS.	52,019	38,519
		Unjustified growth		[–13,500]
196	0607665A	FAMILY OF BIOMETRICS	2,400	2,400
197	0607865A	PATRIOT PRODUCT IMPROVEMENT	65,369	75,369
		Increase PATRIOT improvement efforts		[10,000]
198	0202429A	AEROSTAT JOINT PROJECT—COCOM EXERCISE	1	1
199	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCS).	30,954	30,954
200	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS	411,927	369,009
		Abrams ECP 1B schedule delay		[–14,978]
		Bradley A5 ECP schedule delay		[–12,221]
		Recovery vehicle improvement program delay		[–6,000]
		Stryker program management excess growth		[–9,719]
202	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS.	40,676	37,201
		Prior year carryover		[–3,475]

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203	0203744A	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS.	17,706	17,706
204	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.	146	146
205	0203758A	DIGITIZATION	6,316	6,316
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM.	1,643	1,643
207	0203802A	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS.	4,947	4,947
208	0203808A	TRACTOR CARD	34,050	34,050
210	0205410A	MATERIALS HANDLING EQUIPMENT	1,464	1,464
211	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV.	249	249
212	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM.	79,283	78,798
		unjustified request		[–485]
213	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS).	154,102	125,954
		Unjustified growth		[–28,148]
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	12,280	12,280
217	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM	68,533	68,533
218	0303141A	GLOBAL COMBAT SUPPORT SYSTEM	68,619	65,073
		Increment 2 contract award delay		[–3,546]
220	0303150A	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM.	2,034	2,034
223	0305172A	COMBINED ADVANCED APPLICATIONS	1,500	1,500
224	0305179A	INTEGRATED BROADCAST SERVICE (IBS)	450	450
225	0305204A	TACTICAL UNMANNED AERIAL VEHICLES	6,000	6,000
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	12,416	12,416
227	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.	38,667	33,667
		Integration and testing unjustified growth		[–5,000]
229	0305232A	RQ–11 UAV	6,180	6,180
230	0305233A	RQ–7 UAV	12,863	12,863
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE	4,310	4,310
233	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES.	53,958	53,958
234	1203142A	SATCOM GROUND ENVIRONMENT (SPACE)	12,119	12,119
235	1208053A	JOINT TACTICAL GROUND SYSTEM	7,400	7,400
235A	9999999999	CLASSIFIED PROGRAMS	5,955	5,955
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.	**1,922,614**	**1,792,823**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.	**10,159,379**	**9,961,550**
		RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY		
		BASIC RESEARCH		
001	0601103N	UNIVERSITY RESEARCH INITIATIVES	119,433	134,433
		Basic research program increase		[5,000]
		Defense University Research Instrumentation Program.		[10,000]
002	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH.	19,237	19,237
003	0601153N	DEFENSE RESEARCH SCIENCES	458,708	468,708
		Basic research program increase		[5,000]
		Quantum information sciences		[5,000]
		SUBTOTAL BASIC RESEARCH	**597,378**	**622,378**
		APPLIED RESEARCH		
004	0602114N	POWER PROJECTION APPLIED RESEARCH	14,643	17,143
		Directed energy		[2,500]
005	0602123N	FORCE PROTECTION APPLIED RESEARCH	124,049	124,049

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006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY	59,607	59,607
007	0602235N	COMMON PICTURE APPLIED RESEARCH	36,348	36,348
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	56,197	54,717
		ONR global growth		[–1,480]
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH.	83,800	83,800
010	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH.	42,998	42,998
011	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH.	6,349	6,349
012	0602747N	UNDERSEA WARFARE APPLIED RESEARCH	58,049	78,049
		Academic partnerships for undersea unmanned warfare research and energy technology.		[20,000]
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH.	147,771	147,771
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH.	37,545	37,545
015	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH.	159,697	159,697
016	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACITIVITIES.	64,418	64,418
		SUBTOTAL APPLIED RESEARCH	**891,471**	**912,491**
		ADVANCED TECHNOLOGY DEVELOPMENT		
019	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY	2,423	2,423
021	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD).	150,245	146,046
		Unjustified growth		[–4,199]
022	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT.	13,313	13,313
023	0603671N	NAVY ADVANCED TECHNOLOGY DEVELOPMENT (ATD).	131,502	155,002
		Program increase-one sensor plus integration		[23,500]
024	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT.	232,996	232,996
025	0603680N	MANUFACTURING TECHNOLOGY PROGRAM	58,657	58,657
030	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT.	161,859	181,859
		Accelerate Navy railgun development and prototyping.		[20,000]
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	**750,995**	**790,296**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
031	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	29,747	29,747
032	0603216N	AVIATION SURVIVABILITY	7,050	7,050
033	0603251N	AIRCRAFT SYSTEMS	793	793
034	0603254N	ASW SYSTEMS DEVELOPMENT	7,058	7,058
035	0603261N	TACTICAL AIRBORNE RECONNAISSANCE	3,540	3,540
036	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY	59,741	59,741
037	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES.	62,727	60,727
		Barracuda EDMs ahead of PDR and CDR		[–2,000]
038	0603506N	SURFACE SHIP TORPEDO DEFENSE	8,570	8,570
039	0603512N	CARRIER SYSTEMS DEVELOPMENT	5,440	5,440
040	0603525N	PILOT FISH	162,222	162,222
041	0603527N	RETRACT LARCH	11,745	11,745
042	0603536N	RETRACT JUNIPER	114,265	114,265
043	0603542N	RADIOLOGICAL CONTROL	740	740
044	0603553N	SURFACE ASW	1,122	1,122
045	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	109,086	96,086
		Prior year inefficiencies impact		[–13,000]
046	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS	9,374	9,374

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047	0603563N	SHIP CONCEPT ADVANCED DESIGN	89,419	107,419
		CHAMP acceleration		[18,000]
048	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES.	13,348	13,348
049	0603570N	ADVANCED NUCLEAR POWER SYSTEMS	256,137	256,137
050	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS	22,109	22,109
051	0603576N	CHALK EAGLE	29,744	29,744
052	0603581N	LITTORAL COMBAT SHIP (LCS)	27,997	27,997
053	0603582N	COMBAT SYSTEM INTEGRATION	16,351	16,351
054	0603595N	OHIO REPLACEMENT	514,846	526,846
		Advanced Submarines Control and Precision Propulsion Module Integration.		[12,000]
055	0603596N	LCS MISSION MODULES	103,633	103,633
056	0603597N	AUTOMATED TEST AND ANALYSIS	7,931	7,931
057	0603599N	FRIGATE DEVELOPMENT	134,772	134,772
058	0603609N	CONVENTIONAL MUNITIONS	9,307	9,307
060	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM.	1,828	1,828
061	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.	43,148	43,148
062	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT.	5,915	5,915
063	0603721N	ENVIRONMENTAL PROTECTION	19,811	19,811
064	0603724N	NAVY ENERGY PROGRAM	25,656	25,656
065	0603725N	FACILITIES IMPROVEMENT	5,301	5,301
066	0603734N	CHALK CORAL	267,985	267,985
067	0603739N	NAVY LOGISTIC PRODUCTIVITY	4,059	4,059
068	0603746N	RETRACT MAPLE	377,878	377,878
069	0603748N	LINK PLUMERIA	381,770	381,770
070	0603751N	RETRACT ELM	60,535	60,535
073	0603790N	NATO RESEARCH AND DEVELOPMENT	9,652	9,652
074	0603795N	LAND ATTACK TECHNOLOGY	15,529	15,529
075	0603851M	JOINT NON-LETHAL WEAPONS TESTING	27,581	27,581
076	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/VAL.	101,566	101,566
077	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS.	223,344	142,412
		Program decrease		[–80,932]
078	0604014N	F/A –18 INFRARED SEARCH AND TRACK (IRST)	108,700	108,700
079	0604027N	DIGITAL WARFARE OFFICE	26,691	26,691
080	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES.	16,717	16,717
081	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES.	30,187	30,187
082	0604030N	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION..	48,796	48,796
083	0604031N	LARGE UNMANNED UNDERSEA VEHICLES	92,613	71,413
		Excessive Snakehead LDUUV growth		[–21,200]
084	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80).	58,121	58,121
086	0604126N	LITTORAL AIRBORNE MCM	17,622	17,622
087	0604127N	SURFACE MINE COUNTERMEASURES	18,154	18,154
088	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM).	47,278	47,278
090	0604289M	NEXT GENERATION LOGISTICS	11,081	11,081
092	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	7,107	7,107
093	0604454N	LX (R)	5,549	5,549
094	0604536N	ADVANCED UNDERSEA PROTOTYPING	87,669	87,669
095	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM.	132,818	119,918
		Project 3378 schedule delays		[–12,900]
096	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT.	7,230	7,230
097	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT.	143,062	143,062

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099	0303354N	ASW SYSTEMS DEVELOPMENT—MIP	8,889	8,889
100	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM.	25,291	11,291
		Unjustified cost growth		[–14,000]
101	0304240N	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM.	9,300	9,300
102	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP	466	466
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**4,293,713**	**4,179,681**
		SYSTEM DEVELOPMENT & DEMONSTRATION		
103	0603208N	TRAINING SYSTEM AIRCRAFT	12,798	12,798
104	0604212N	OTHER HELO DEVELOPMENT	32,128	32,128
105	0604214M	AV–8B AIRCRAFT—ENG DEV	46,363	42,363
		Lacks operational justification/need		[–4,000]
107	0604215N	STANDARDS DEVELOPMENT	3,771	3,771
108	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT.	16,611	16,611
109	0604218N	AIR/OCEAN EQUIPMENT ENGINEERING	17,368	17,368
110	0604221N	P–3 MODERNIZATION PROGRAM	2,134	2,134
111	0604230N	WARFARE SUPPORT SYSTEM	9,729	9,729
112	0604231N	TACTICAL COMMAND SYSTEM	57,688	57,688
113	0604234N	ADVANCED HAWKEYE	223,565	213,565
		excess carryover		[–10,000]
114	0604245M	H–1 UPGRADES	58,097	58,097
116	0604261N	ACOUSTIC SEARCH SENSORS	42,485	42,485
117	0604262N	V–22A	143,079	143,079
118	0604264N	AIR CREW SYSTEMS DEVELOPMENT	20,980	30,980
		Increase to advance aircrew physiological monitoring		[10,000]
119	0604269N	EA–18	147,419	242,719
		UPL—EA–18G Advanced Modes / Cognitive EW		[95,300]
120	0604270N	ELECTRONIC WARFARE DEVELOPMENT	89,824	121,424
		Navy UFR: EA–18G offensive airborne electronic attack special mission pods.		[31,600]
121	0604273M	EXECUTIVE HELO DEVELOPMENT	245,064	245,064
123	0604274N	NEXT GENERATION JAMMER (NGJ)	459,529	459,529
124	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY).	3,272	3,272
125	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II	115,253	109,479
		Engineering previously funded		[–5,774]
126	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING.	397,403	387,103
		ACB 20 unexecutable growth		[–10,300]
127	0604311N	LPD–17 CLASS SYSTEMS INTEGRATION	939	939
128	0604329N	SMALL DIAMETER BOMB (SDB)	104,448	104,448
129	0604366N	STANDARD MISSILE IMPROVEMENTS	165,881	180,881
		XFU electronics unit integration		[15,000]
130	0604373N	AIRBORNE MCM	10,831	10,831
131	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING.	33,429	33,429
132	0604501N	ADVANCED ABOVE WATER SENSORS	35,635	35,635
133	0604503N	SSN–688 AND TRIDENT MODERNIZATION	126,932	126,932
134	0604504N	AIR CONTROL	62,448	62,448
135	0604512N	SHIPBOARD AVIATION SYSTEMS	9,710	9,710
136	0604518N	COMBAT INFORMATION CENTER CONVERSION	19,303	19,303
137	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM.	27,059	27,059
138	0604530N	ADVANCED ARRESTING GEAR (AAG)	184,106	184,106
139	0604558N	NEW DESIGN SSN	148,233	148,233
140	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM	60,824	60,824
141	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E	60,062	66,062
		Planning to support FY21 award of LHA–9		[6,000]
142	0604574N	NAVY TACTICAL COMPUTER RESOURCES	4,642	4,642
144	0604601N	MINE DEVELOPMENT	25,756	25,756

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145	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT	95,147	63,147
		Project 3418 post-system design and engineering funds early to need.		[–32,000]
146	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.	7,107	7,107
147	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS.	6,539	6,539
148	0604727N	JOINT STANDOFF WEAPON SYSTEMS	441	441
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	180,391	180,391
150	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	178,538	178,538
151	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	120,507	120,507
152	0604761N	INTELLIGENCE ENGINEERING	29,715	29,715
153	0604771N	MEDICAL DEVELOPMENT	8,095	8,095
154	0604777N	NAVIGATION/ID SYSTEM	121,026	121,026
155	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD	66,566	66,566
156	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD	65,494	65,494
159	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT	14,005	14,005
160	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT	268,567	208,567
		General reduction		[–60,000]
161	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT	5,618	5,618
162	0605212M	CH–53K RDTE	326,945	326,945
164	0605215N	MISSION PLANNING	32,714	32,714
165	0605217N	COMMON AVIONICS	51,486	51,486
166	0605220N	SHIP TO SHORE CONNECTOR (SSC)	1,444	1,444
167	0605327N	T-AO 205 CLASS	1,298	1,298
168	0605414N	UNMANNED CARRIER AVIATION (UCA)	718,942	602,042
		Insufficient Air Vehicle budget justification		[–116,900]
169	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM)	6,759	11,759
		JAGM-F for USN and USMC		[5,000]
171	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA)	37,296	37,296
172	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III	160,389	160,389
173	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION.	98,223	76,124
		Project 0026 excess concurrency		[–22,099]
174	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT & DEMONSTRATION.	2,260	2,260
175	0204202N	DDG–1000	161,264	151,964
		Testing early to need		[–9,300]
180	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS	44,098	44,098
182	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT.	6,808	6,808
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	**6,042,480**	**5,935,007**
		MANAGEMENT SUPPORT		
183	0604256N	THREAT SIMULATOR DEVELOPMENT	94,576	94,576
184	0604258N	TARGET SYSTEMS DEVELOPMENT	10,981	10,981
185	0604759N	MAJOR T&E INVESTMENT	77,014	83,014
		Program increase		[6,000]
186	0605126N	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION.	48	48
187	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY	3,942	3,942
188	0605154N	CENTER FOR NAVAL ANALYSES	48,797	48,797
189	0605285N	NEXT GENERATION FIGHTER	5,000	5,000
191	0605804N	TECHNICAL INFORMATION SERVICES	1,029	1,029
192	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT.	87,565	87,565
193	0605856N	STRATEGIC TECHNICAL SUPPORT	4,231	4,231
194	0605861N	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT.	1,072	1,072
195	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT	97,471	97,471
196	0605864N	TEST AND EVALUATION SUPPORT	373,834	373,834
197	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY.	21,554	21,554

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198	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT.	16,227	16,227
200	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT	24,303	24,303
201	0605898N	MANAGEMENT HQ—R&D	43,262	43,262
202	0606355N	WARFARE INNOVATION MANAGEMENT	41,918	41,918
203	0606942M	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	7,000	7,000
204	0606942N	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	48,800	48,800
205	0305327N	INSIDER THREAT	1,682	1,682
206	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES).	1,579	1,579
208	1206867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT.	8,684	8,684
		SUBTOTAL MANAGEMENT SUPPORT	**1,020,569**	**1,026,569**
		OPERATIONAL SYSTEMS DEVELOPMENT		
210	0604227N	HARPOON MODIFICATIONS	5,426	5,426
211	0604840M	F–35 C2D2	259,122	259,122
212	0604840N	F–35 C2D2	252,360	252,360
213	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	130,515	128,815
		Excess cost growth		[–1,700]
214	0607700N	DEPLOYABLE JOINT COMMAND AND CONTROL	3,127	3,127
215	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	157,679	166,679
		Project 2228, technical applications, systems engineering modeling and simulation capability and tool development.		[9,000]
216	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM	43,198	42,198
		Excess program growth		[–1,000]
217	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	11,311	11,311
218	0101402N	NAVY STRATEGIC COMMUNICATIONS	39,313	39,313
219	0204136N	F/A–18 SQUADRONS	193,086	200,086
		Engine noise reduction engineering		[2,000]
		JAGM-F for USN and USMC		[5,000]
220	0204163N	FLEET TELECOMMUNICATIONS (TACTICAL)	25,014	13,179
		High frequency over-the-horizon robust communications enterprise concurrency.		[–11,835]
221	0204228N	SURFACE SUPPORT	11,661	11,661
222	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC).	282,395	282,395
223	0204311N	INTEGRATED SURVEILLANCE SYSTEM	36,959	71,959
		Additional TRAPS units		[35,000]
224	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS	15,454	15,454
225	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT).	6,073	6,073
226	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	45,029	45,029
227	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT.	104,903	104,903
228	0204574N	CRYPTOLOGIC DIRECT SUPPORT	4,544	4,544
229	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT.	66,889	66,889
230	0205601N	HARM IMPROVEMENT	120,762	120,762
231	0205604N	TACTICAL DATA LINKS	104,696	116,696
		UPL—Tactical Targeting Network Technology acceleration.		[12,000]
232	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION	28,421	28,421
233	0205632N	MK–48 ADCAP	94,155	68,555
		Excessive TI–1 cost growth		[–25,600]
234	0205633N	AVIATION IMPROVEMENTS	121,805	136,805
		Navy UFR: F/A–18E/F Super Hornet engine enhancements.		[15,000]
235	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS	117,028	117,028
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	174,779	174,779
237	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S).	4,826	4,826

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238	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS.	97,152	97,152
239	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT	30,156	30,156
240	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP).	39,976	39,976
241	0206629M	AMPHIBIOUS ASSAULT VEHICLE	22,637	20,690
		Lacks operational justification/need		[–1,947]
242	0207161N	TACTICAL AIM MISSILES	40,121	40,121
243	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).	32,473	29,606
		System improvement program efforts schedule delay		[–2,867]
249	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES).	23,697	23,697
250	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM	44,228	44,228
252	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES.	6,081	6,081
253	0305204N	TACTICAL UNMANNED AERIAL VEHICLES	8,529	8,529
254	0305205N	UAS INTEGRATION AND INTEROPERABILITY	41,212	41,212
255	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.	7,687	7,687
256	0305208N	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.	42,846	42,846
257	0305220N	MQ–4C TRITON	14,395	14,395
258	0305231N	MQ–8 UAV	9,843	9,843
259	0305232M	RQ–11 UAV	524	524
260	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASL0)	5,360	5,360
261	0305239M	RQ–21A	10,914	10,914
262	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	81,231	81,231
263	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP).	5,956	5,956
264	0305421N	RQ–4 MODERNIZATION	219,894	219,894
265	0308601N	MODELING AND SIMULATION SUPPORT	7,097	7,097
266	0702207N	DEPOT MAINTENANCE (NON-IF)	36,560	36,560
267	0708730N	MARITIME TECHNOLOGY (MARITECH)	7,284	7,284
268	1203109N	SATELLITE COMMUNICATIONS (SPACE)	39,174	39,174
268A	9999999999	CLASSIFIED PROGRAMS	1,549,503	1,549,503
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.	**4,885,060**	**4,918,111**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.	**18,481,666**	**18,384,533**
		RESEARCH, DEVELOPMENT, TEST & EVAL, AF		
		BASIC RESEARCH		
001	0601102F	DEFENSE RESEARCH SCIENCES	348,322	353,322
		Basic research program increase		[5,000]
002	0601103F	UNIVERSITY RESEARCH INITIATIVES	154,991	154,991
003	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES	14,506	14,506
		SUBTOTAL BASIC RESEARCH	**517,819**	**522,819**
		APPLIED RESEARCH		
004	0602102F	MATERIALS	125,373	142,373
		Advanced materials analysis		[4,000]
		Structural Biology Techniques		[3,000]
		Thermal protecting systems for hypersonics		[10,000]
005	0602201F	AEROSPACE VEHICLE TECHNOLOGIES	130,547	140,547
		Hypersonic vehicle structures		[10,000]
006	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH	112,518	112,518
007	0602203F	AEROSPACE PROPULSION	190,919	195,919
		Program increase		[5,000]
008	0602204F	AEROSPACE SENSORS	166,534	166,534
009	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT—MAJOR HEADQUARTERS ACTIVITIES.	8,288	8,288
011	0602602F	CONVENTIONAL MUNITIONS	112,841	112,841

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012	0602605F	DIRECTED ENERGY TECHNOLOGY	141,898	141,898
013	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS.	162,420	172,420
		Enhance and accelerate Air Force artificial intelligence research.		[10,000]
014	0602890F	HIGH ENERGY LASER RESEARCH	43,359	45,859
		Directed energy research		[2,500]
015	1206601F	SPACE TECHNOLOGY	117,645	117,645
		SUBTOTAL APPLIED RESEARCH	**1,312,342**	**1,356,842**
		ADVANCED TECHNOLOGY DEVELOPMENT		
016	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS	34,426	42,926
		Metals Affordability Initiative		[8,500]
017	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	15,150	15,150
018	0603203F	ADVANCED AEROSPACE SENSORS	39,968	39,968
019	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO	121,002	126,002
		Design/Manufacture aircraft aft body drag reduction devices.		[5,000]
020	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY.	115,462	124,462
		General program increase		[9,000]
021	0603270F	ELECTRONIC COMBAT TECHNOLOGY	55,319	55,319
022	0603401F	ADVANCED SPACECRAFT TECHNOLOGY	54,895	54,895
023	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	10,674	10,674
024	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT.	36,463	41,463
		Autonomous life support system development		[5,000]
025	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY	194,981	194,981
026	0603605F	ADVANCED WEAPONS TECHNOLOGY	43,368	53,368
		Demonstrator laser weapon system		[10,000]
027	0603680F	MANUFACTURING TECHNOLOGY PROGRAM	42,025	47,025
		Academic and industrial partnerships for aerospace materials.		[5,000]
028	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION.	51,064	51,064
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	**814,797**	**857,297**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
030	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT	5,568	5,568
032	0603742F	COMBAT IDENTIFICATION TECHNOLOGY	18,194	18,194
033	0603790F	NATO RESEARCH AND DEVELOPMENT	2,305	2,305
035	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL.	41,856	41,856
037	0604015F	LONG RANGE STRIKE—BOMBER	2,314,196	2,314,196
038	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT.	14,894	14,894
039	0604257F	ADVANCED TECHNOLOGY AND SENSORS	34,585	34,585
040	0604288F	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP	9,740	9,740
041	0604317F	TECHNOLOGY TRANSFER	12,960	12,960
042	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM.	71,501	69,701
		Program excess		[–1,800]
043	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS	62,618	62,618
046	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D.	28,350	28,350
048	0604858F	TECH TRANSITION PROGRAM	1,186,075	1,333,875
		Acceleration of Hypersonic Conventional Strike Weapon.		[100,000]
		Competitively Awarded Transition Programs		[5,000]
		Rapid Sustainment Initiative		[42,800]
049	0605230F	GROUND BASED STRATEGIC DETERRENT	345,041	414,441
		Accelerated execution of program		[69,400]

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050	0207110F	NEXT GENERATION AIR DOMINANCE	503,997	443,997
		Ahead of need		[–60,000]
051	0207455F	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR).	40,326	40,326
052	0208099F	UNIFIED PLATFORM (UP)	29,800	29,800
054	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	41,880	41,880
055	0305601F	MISSION PARTNER ENVIRONMENTS	10,074	10,074
056	0306250F	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT.	253,825	253,825
057	0306415F	ENABLED CYBER ACTIVITIES	16,325	16,325
059	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM.	17,577	17,577
060	1203164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE).	286,629	286,629
061	1203710F	EO/IR WEATHER SYSTEMS	7,940	7,940
062	1206422F	WEATHER SYSTEM FOLLOW-ON	138,052	144,052
		Commercial weather data pilot		[6,000]
063	1206425F	SPACE SITUATION AWARENESS SYSTEMS	39,338	29,338
		Ahead of need		[–10,000]
064	1206434F	MIDTERM POLAR MILSATCOM SYSTEM	383,113	383,113
065	1206438F	SPACE CONTROL TECHNOLOGY	91,018	91,018
066	1206730F	SPACE SECURITY AND DEFENSE PROGRAM	45,542	45,542
067	1206760F	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES).	51,419	51,419
068	1206761F	PROTECTED TACTICAL SERVICE (PTS)	29,776	29,776
069	1206855F	PROTECTED SATCOM SERVICES (PSCS)—AGGREGATED.	29,379	29,379
070	1206857F	OPERATIONALLY RESPONSIVE SPACE	366,050	371,050
		Blackjack		[110,000]
		Space RCO Advanced Solar Power—early to need		[–105,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**6,529,943**	**6,686,343**
		SYSTEM DEVELOPMENT & DEMONSTRATION		
071	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS.	39,602	39,602
072	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT.	58,531	58,531
073	0604222F	NUCLEAR WEAPONS SUPPORT	4,468	4,468
074	0604270F	ELECTRONIC WARFARE DEVELOPMENT	1,909	1,909
075	0604281F	TACTICAL DATA NETWORKS ENTERPRISE	207,746	257,746
		Increase to accelerate 21st Century Battle Management Command and Control.		[50,000]
076	0604287F	PHYSICAL SECURITY EQUIPMENT	14,421	14,421
077	0604329F	SMALL DIAMETER BOMB (SDB)—EMD	73,158	73,158
081	0604429F	AIRBORNE ELECTRONIC ATTACK	7,153	7,153
083	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT	58,590	58,590
084	0604604F	SUBMUNITIONS	2,990	2,990
085	0604617F	AGILE COMBAT SUPPORT	20,028	20,028
086	0604618F	JOINT DIRECT ATTACK MUNITION	15,787	15,787
087	0604706F	LIFE SUPPORT SYSTEMS	8,919	8,919
088	0604735F	COMBAT TRAINING RANGES	35,895	43,895
		Advanced threat radar system		[8,000]
089	0604800F	F–35—EMD	69,001	69,001
091	0604932F	LONG RANGE STANDOFF WEAPON	614,920	699,920
		Accelerated execution of program		[85,000]
092	0604933F	ICBM FUZE MODERNIZATION	172,902	172,902
097	0605221F	KC–46	88,170	83,170
		Excess to need		[–5,000]
098	0605223F	ADVANCED PILOT TRAINING	265,465	265,465
099	0605229F	COMBAT RESCUE HELICOPTER	457,652	457,652
105	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT	3,617	3,617
106	0605931F	B–2 DEFENSIVE MANAGEMENT SYSTEM	261,758	261,758
107	0101125F	NUCLEAR WEAPONS MODERNIZATION	91,907	91,907

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108	0207171F	F–15 EPAWSS	137,095	137,095
109	0207328F	STAND IN ATTACK WEAPON	43,175	20,575
		Excess to need		[–22,600]
110	0207423F	ADVANCED COMMUNICATIONS SYSTEMS	14,888	14,888
111	0207701F	FULL COMBAT MISSION TRAINING	1,015	1,015
115	0307581F	JSTARS RECAP		30,000
		Continue JSTARS recap GMTI radar development		[30,000]
116	0401310F	C–32 EXECUTIVE TRANSPORT RECAPITALIZATION	7,943	7,943
117	0401319F	PRESIDENTIAL AIRCRAFT RECAPITALIZATION (PAR).	673,032	673,032
118	0701212F	AUTOMATED TEST SYSTEMS	13,653	13,653
119	1203176F	COMBAT SURVIVOR EVADER LOCATOR	939	939
120	1203269F	GPS IIIC	451,889	433,889
		SMI insufficient justification		[–18,000]
121	1203940F	SPACE SITUATION AWARENESS OPERATIONS	46,668	46,668
122	1206421F	COUNTERSPACE SYSTEMS	20,676	20,676
123	1206425F	SPACE SITUATION AWARENESS SYSTEMS	134,463	134,463
124	1206426F	SPACE FENCE	20,215	20,215
125	1206431F	ADVANCED EHF MILSATCOM (SPACE)	151,506	151,506
126	1206432F	POLAR MILSATCOM (SPACE)	27,337	27,337
127	1206433F	WIDEBAND GLOBAL SATCOM (SPACE)	3,970	3,970
128	1206441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD.	60,565	60,565
129	1206442F	EVOLVED SBIRS	643,126	743,126
		Accelerate sensor development		[100,000]
130	1206853F	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)—EMD.	245,447	245,447
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	**5,272,191**	**5,499,591**
		MANAGEMENT SUPPORT		
131	0604256F	THREAT SIMULATOR DEVELOPMENT	34,256	34,256
132	0604759F	MAJOR T&E INVESTMENT	91,844	106,844
		Test infrastructure improvements		[15,000]
133	0605101F	RAND PROJECT AIR FORCE	34,614	34,614
135	0605712F	INITIAL OPERATIONAL TEST & EVALUATION	18,043	18,043
136	0605807F	TEST AND EVALUATION SUPPORT	692,784	724,684
		Test range modernization		[31,900]
137	0605826F	ACQ WORKFORCE- GLOBAL POWER	233,924	233,924
138	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	263,488	263,488
139	0605828F	ACQ WORKFORCE- GLOBAL REACH	153,591	153,591
140	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	232,315	232,315
141	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT	169,868	169,868
142	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION	226,219	226,219
143	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY.	38,400	38,400
144	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS	125,761	125,761
147	0605898F	MANAGEMENT HQ—R&D	10,642	10,642
148	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT.	162,216	162,216
149	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT.	28,888	28,888
150	0606017F	REQUIREMENTS ANALYSIS AND MATURATION	35,285	35,285
153	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	20,545	20,545
154	0702806F	ACQUISITION AND MANAGEMENT SUPPORT	12,367	12,367
155	0804731F	GENERAL SKILL TRAINING	1,448	1,448
157	1001004F	INTERNATIONAL ACTIVITIES	3,998	3,998
158	1206116F	SPACE TEST AND TRAINING RANGE DEVELOPMENT.	23,254	23,254
159	1206392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE.	169,912	169,912
160	1206398F	SPACE & MISSILE SYSTEMS CENTER—MHA	10,508	10,508
161	1206860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	19,721	19,721
162	1206864F	SPACE TEST PROGRAM (STP)	25,620	25,620

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		SUBTOTAL MANAGEMENT SUPPORT	**2,839,511**	**2,886,411**
		OPERATIONAL SYSTEMS DEVELOPMENT		
165	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING.	11,344	11,344
167	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS).	47,287	41,102
		Poor agile development implementation and lenghty delivery timeline.		[–6,185]
168	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	32,770	32,770
169	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION.	68,368	68,368
170	0605278F	HC/MC–130 RECAP RDT&E	32,574	32,574
171	0606018F	NC3 INTEGRATION	26,112	26,112
172	0606942F	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	99,100	99,100
173	0101113F	B–52 SQUADRONS	280,414	295,173
		Air Force requested realignment		[14,759]
174	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM)	5,955	5,955
175	0101126F	B–1B SQUADRONS	76,030	63,230
		FITP delayed new start		[–12,800]
176	0101127F	B–2 SQUADRONS	105,561	105,561
177	0101213F	MINUTEMAN SQUADRONS	156,047	156,047
179	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS.	10,442	10,442
180	0101324F	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK.	22,833	22,833
181	0101328F	ICBM REENTRY VEHICLES	18,412	18,412
183	0102110F	UH–1N REPLACEMENT PROGRAM	288,022	288,022
184	0102326F	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM.	9,252	9,252
186	0205219F	MQ–9 UAV	115,345	115,345
188	0207131F	A–10 SQUADRONS	26,738	26,738
189	0207133F	F–16 SQUADRONS	191,564	191,564
190	0207134F	F–15E SQUADRONS	192,883	201,483
		ALQ–128 EW suite for ANG units		[50,000]
		Operational flight plan funding excess to need		[–41,400]
191	0207136F	MANNED DESTRUCTIVE SUPPRESSION	15,238	15,238
192	0207138F	F–22A SQUADRONS	603,553	588,453
		Program reduction		[–15,100]
193	0207142F	F–35 SQUADRONS	549,501	549,501
194	0207161F	TACTICAL AIM MISSILES	37,230	37,230
195	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).	61,393	61,393
196	0207227F	COMBAT RESCUE—PARARESCUE	647	647
198	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT	14,891	14,891
199	0207253F	COMPASS CALL	13,901	13,901
200	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.	121,203	121,203
202	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM).	60,062	60,062
203	0207410F	AIR & SPACE OPERATIONS CENTER (AOC)	106,102	98,102
		Unjustified request		[–8,000]
204	0207412F	CONTROL AND REPORTING CENTER (CRC)	6,413	6,413
205	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS).	120,664	113,384
		Increase to accelerate 21st Century Battle Management Command and Control.		[10,000]
		Radar controller program delay		[–17,280]
206	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS	2,659	2,659
208	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	10,316	10,316
209	0207444F	TACTICAL AIR CONTROL PARTY-MOD	6,149	6,149
210	0207448F	C2ISR TACTICAL DATA LINK	1,738	1,738
211	0207452F	DCAPES	13,297	13,297

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212	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS	1,788	1,788
213	0207581F	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS).	14,888	14,888
214	0207590F	SEEK EAGLE	24,699	24,699
215	0207601F	USAF MODELING AND SIMULATION	17,078	17,078
216	0207605F	WARGAMING AND SIMULATION CENTERS	6,141	6,141
218	0207697F	DISTRIBUTED TRAINING AND EXERCISES	4,225	4,225
219	0208006F	MISSION PLANNING SYSTEMS	63,653	63,653
220	0208007F	TACTICAL DECEPTION	6,949	6,949
221	0208087F	AF OFFENSIVE CYBERSPACE OPERATIONS	40,526	40,526
222	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS	24,166	24,166
223	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2)	13,000	13,000
224	0208099F	UNIFIED PLATFORM (UP)	28,759	28,759
229	0301017F	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN).	3,579	3,579
230	0301112F	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES).	29,620	29,620
237	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS.	6,633	6,633
238	0302015F	E–4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC).	57,758	57,758
240	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN).	99,088	85,388
		Underexecution		[–13,700]
241	0303133F	HIGH FREQUENCY RADIO SYSTEMS	51,612	51,612
242	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM	34,612	34,612
244	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE	2,170	2,170
246	0304260F	AIRBORNE SIGINT ENTERPRISE	106,873	109,873
		SIGINT single-pod development		[3,000]
247	0304310F	COMMERCIAL ECONOMIC ANALYSIS	3,472	3,472
250	0305015F	C2 AIR OPERATIONS SUITE—C2 INFO SERVICES	8,608	8,608
251	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY.	1,586	1,586
252	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,492	4,492
254	0305111F	WEATHER SERVICE	26,942	26,942
255	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALS).	6,271	8,771
		Augmentation of air surveillance and early warning radar systems.		[2,500]
256	0305116F	AERIAL TARGETS	8,383	8,383
259	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES	418	418
261	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES.	3,845	3,845
268	0305202F	DRAGON U–2	48,518	65,518
		EO/IR sensor upgrades		[17,000]
270	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS	175,334	185,334
		Gorgon Stare		[10,000]
271	0305207F	MANNED RECONNAISSANCE SYSTEMS	14,223	14,223
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.	24,554	24,554
273	0305220F	RQ–4 UAV	221,690	221,690
274	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING	14,288	14,288
275	0305238F	NATO AGS	51,527	51,527
276	0305240F	SUPPORT TO DCGS ENTERPRISE	26,579	26,579
278	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES.	8,464	8,464
280	0305881F	RAPID CYBER ACQUISITION	4,303	4,303
284	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2).	2,466	2,466
285	0307577F	INTELLIGENCE MISSION DATA (IMD)	4,117	4,117
287	0401115F	C–130 AIRLIFT SQUADRON	105,988	105,988
288	0401119F	C–5 AIRLIFT SQUADRONS (IF)	25,071	25,071
289	0401130F	C–17 AIRCRAFT (IF)	48,299	48,299
290	0401132F	C–130J PROGRAM	15,409	15,409

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291	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM).	4,334	4,334
292	0401218F	KC–135S	3,493	3,493
293	0401219F	KC–10S	6,569	6,569
294	0401314F	OPERATIONAL SUPPORT AIRLIFT	3,172	3,172
295	0401318F	CV–22	18,502	18,502
296	0401840F	AMC COMMAND AND CONTROL SYSTEM	1,688	1,688
297	0408011F	SPECIAL TACTICS / COMBAT CONTROL	2,541	2,541
298	0702207F	DEPOT MAINTENANCE (NON-IF)	1,897	1,897
299	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	50,933	50,933
300	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	13,787	13,787
301	0708611F	SUPPORT SYSTEMS DEVELOPMENT	4,497	4,497
302	0804743F	OTHER FLIGHT TRAINING	2,022	2,022
303	0808716F	OTHER PERSONNEL ACTIVITIES	108	108
304	0901202F	JOINT PERSONNEL RECOVERY AGENCY	2,023	2,023
305	0901218F	CIVILIAN COMPENSATION PROGRAM	3,772	3,772
306	0901220F	PERSONNEL ADMINISTRATION	6,358	6,358
307	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,418	1,418
308	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT.	99,734	93,834
		Poor agile development implementation		[–5,900]
309	1201921F	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES.	14,161	14,161
310	1202247F	AF TENCAP	26,986	26,986
311	1203001F	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	80,168	80,168
312	1203110F	SATELLITE CONTROL NETWORK (SPACE)	17,808	17,808
314	1203165F	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS).	8,937	8,937
315	1203173F	SPACE AND MISSILE TEST AND EVALUATION CENTER.	59,935	59,935
316	1203174F	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT.	21,019	21,019
317	1203179F	INTEGRATED BROADCAST SERVICE (IBS)	8,568	8,568
318	1203182F	SPACELIFT RANGE SYSTEM (SPACE)	10,641	10,641
319	1203265F	GPS III SPACE SEGMENT	144,543	144,543
320	1203400F	SPACE SUPERIORITY INTELLIGENCE	16,278	16,278
321	1203614F	JSPOC MISSION SYSTEM	72,256	62,256
		Assumed cost savings		[–10,000]
322	1203620F	NATIONAL SPACE DEFENSE CENTER	42,209	42,209
325	1203913F	NUDET DETECTION SYSTEM (SPACE)	19,778	19,778
326	1203940F	SPACE SITUATION AWARENESS OPERATIONS	19,572	19,572
327	1206423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT.	513,235	513,235
327A	9999999999	CLASSIFIED PROGRAMS	16,534,124	16,534,124
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.	**22,891,740**	**22,868,634**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF.	**40,178,343**	**40,677,937**
		RESEARCH, DEVELOPMENT, TEST & EVAL, DW		
		BASIC RESEARCH		
001	0601000BR	DTRA BASIC RESEARCH	37,023	37,023
002	0601101E	DEFENSE RESEARCH SCIENCES	422,130	416,130
		Program decrease		[–6,000]
003	0601110D8Z	BASIC RESEARCH INITIATIVES	42,702	42,702
004	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE.	47,825	57,825
		TBI Treatment for blast injuries		[10,000]
005	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM	85,919	85,919
006	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS.	30,412	40,412
		Program increase		[10,000]
007	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	42,103	42,103

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		SUBTOTAL BASIC RESEARCH	**708,114**	**722,114**
		APPLIED RESEARCH		
008	0602000D8Z	JOINT MUNITIONS TECHNOLOGY	19,170	21,670
		Insensitive munitions		[2,500]
009	0602115E	BIOMEDICAL TECHNOLOGY	101,300	101,300
011	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM	51,596	51,596
012	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES.	60,688	60,688
013	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY.	395,317	395,317
014	0602383E	BIOLOGICAL WARFARE DEFENSE	38,640	38,640
015	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	192,674	192,674
016	0602668D8Z	CYBER SECURITY RESEARCH	14,969	14,969
017	0602702E	TACTICAL TECHNOLOGY	335,466	332,966
		General program increase		[2,500]
		MAD-FIRES reduction		[–5,000]
018	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY	226,898	218,898
		General program reduction		[–8,000]
019	0602716E	ELECTRONICS TECHNOLOGY	333,847	333,847
020	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH.	161,151	157,151
		JIDO program decrease		[–4,000]
021	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH.	9,300	9,300
022	1160401BB	SOF TECHNOLOGY DEVELOPMENT	35,921	35,921
		SUBTOTAL APPLIED RESEARCH	**1,976,937**	**1,964,937**
		ADVANCED TECHNOLOGY DEVELOPMENT		
023	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY	25,598	25,598
024	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	125,271	111,271
		General program reduction		[–14,000]
025	0603133D8Z	FOREIGN COMPARATIVE TESTING	24,532	24,532
027	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT.	299,858	270,858
		JIDO program decrease		[–29,000]
028	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT.	13,017	13,017
029	0603178C	WEAPONS TECHNOLOGY		10,000
		Accelerate hypersonic defense capability		[10,000]
031	0603180C	ADVANCED RESEARCH	20,365	42,365
		Accelerate hypersonic missile defense		[22,000]
032	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT.	18,644	18,644
034	0603286E	ADVANCED AEROSPACE SYSTEMS	277,603	282,603
		Hypersonics weapons programs development and transition.		[5,000]
035	0603287E	SPACE PROGRAMS AND TECHNOLOGY	254,671	254,671
036	0603288D8Z	ANALYTIC ASSESSMENTS	19,472	19,472
037	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS.	37,263	37,263
038	0603291D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS—MHA.	13,621	13,621
039	0603294C	COMMON KILL VEHICLE TECHNOLOGY	189,753	100,753
		Early to need		[–89,000]
040	0603342D8W	DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX).	29,364	29,364
041	0603375D8Z	TECHNOLOGY INNOVATION	83,143	83,143
042	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT.	142,826	142,826
043	0603527D8Z	RETRACT LARCH	161,128	161,128
044	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY	12,918	12,918
045	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS.	106,049	106,049

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046	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES	12,696	12,696
047	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM.	114,637	114,637
048	0603680S	MANUFACTURING TECHNOLOGY PROGRAM	49,667	52,167
		General program increase		[2,500]
049	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT.	48,338	48,338
050	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS.	11,778	12,778
		General program increase		[1,000]
052	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM.	76,514	86,514
		Readiness Increase		[10,000]
053	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT.	168,931	173,931
		Tunable filter, support for microelectronics development.		[5,000]
054	0603727D8Z	JOINT WARFIGHTING PROGRAM	5,992	5,992
055	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES	111,099	118,599
		Support for the Electronics Resurgence Initiative		[7,500]
056	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS.	185,984	185,984
057	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY	438,569	434,069
		General program reduction		[–4,500]
058	0603767E	SENSOR TECHNOLOGY	190,128	191,628
		Sensors and processing systems technology		[1,500]
059	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT.	13,564	13,564
060	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE	15,050	15,050
061	0603826D8Z	QUICK REACTION SPECIAL PROJECTS	69,626	59,626
		General program reduction		[–10,000]
062	0603833D8Z	ENGINEERING SCIENCE & TECHNOLOGY	19,415	19,415
063	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM.	69,533	69,533
064	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY	96,389	111,389
		Hypersonics and directed energy test		[10,000]
		Workforce development		[5,000]
065	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT.	40,582	45,582
		Readiness Increase		[5,000]
066	0303310D8Z	CWMD SYSTEMS	26,644	26,644
067	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT	79,380	79,380
067A	0603XXXD8Z	NATIONAL SECURITY INNOVATION ACTIVITIES		75,000
		Establish office for capital investment		[75,000]
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	**3,699,612**	**3,712,612**
		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES		
068	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P.	28,140	28,140
069	0603600D8Z	WALKOFF	92,222	92,222
070	0603821D8Z	ACQUISITION ENTERPRISE DATA & INFORMATION SERVICES.	2,506	2,506
071	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM.	40,016	42,016
		Readiness Increase		[2,000]
072	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT.	214,173	398,273
		Accelerate USFK JEON delivery		[184,100]
073	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT.	926,359	817,359
		Address cyber threats		[8,000]
		Forward financed in the FY18 Omnibus		[–117,000]

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074	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL.	129,886	129,886
075	0603884C	BALLISTIC MISSILE DEFENSE SENSORS	220,876	249,876
		Accelerate USFK JEON delivery		[24,000]
		Address cyber threats		[5,000]
076	0603890C	BMD ENABLING PROGRAMS	540,926	540,926
077	0603891C	SPECIAL PROGRAMS—MDA	422,348	422,348
078	0603892C	AEGIS BMD	767,539	767,539
081	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	475,168	483,168
		Address cyber threats		[8,000]
082	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT.	48,767	48,767
083	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC).	54,925	54,925
084	0603906C	REGARDING TRENCH	16,916	16,916
085	0603907C	SEA BASED X-BAND RADAR (SBX)	149,715	136,715
		Forward financed in the FY18 Omnibus		[–13,000]
086	0603913C	ISRAELI COOPERATIVE PROGRAMS	300,000	300,000
087	0603914C	BALLISTIC MISSILE DEFENSE TEST	365,681	452,581
		Accelerate USFK JEON delivery		[71,900]
		Address cyber threats		[15,000]
088	0603915C	BALLISTIC MISSILE DEFENSE TARGETS	517,852	491,352
		Accelerate USFK JEON delivery		[4,500]
		Address cyber threats		[5,000]
		Forward financed in the FY18 Omnibus		[–36,000]
089	0603920D8Z	HUMANITARIAN DEMINING	11,347	11,347
090	0603923D8Z	COALITION WARFARE	8,528	8,528
091	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM.	3,477	8,477
		Corrosion prevention		[5,000]
092	0604115C	TECHNOLOGY MATURATION INITIATIVES	148,822	203,822
		Address cyber threats		[5,000]
		Laser scaling for boost phase intercept		[50,000]
093	0604132D8Z	MISSILE DEFEAT PROJECT	58,607	58,607
094	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	12,993	0
		JIDO program decrease		[–12,993]
095	0604181C	HYPERSONIC DEFENSE	120,444	130,944
		Accelerate hypersonic defense capability		[10,500]
096	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES	1,431,702	1,431,702
		Program reduction		[–50,000]
		Quartermaster Pathfinder		[50,000]
097	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS	233,142	238,642
		New trust approach development		[5,500]
098	0604331D8Z	RAPID PROTOTYPING PROGRAM	99,333	99,333
098A	0604342D8Z	DEFENSE TECHNOLOGY OFFSET		100,000
		Directed energy		[100,000]
099	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	3,781	3,781
100	0604673C	PACIFIC DISCRIMINATING RADAR	95,765	95,765
101	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA).	3,768	3,768
103	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	22,435	22,435
104	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR)	164,562	164,562
105	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS	561,220	421,820
		Forward financed in the FY18 Omnibus		[–139,400]
106	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST.	61,017	61,017
107	0604878C	AEGIS BMD TEST	95,756	95,756
108	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST	81,001	81,001

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109	0604880C	LAND-BASED SM–3 (LBSM3)	27,692	27,692
111	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST.	81,934	72,634
		Forward financed in the FY18 Omnibus		[–9,300]
112	0604894C	MULTI-OBJECT KILL VEHICLE	8,256	6,870
		Unjustifed growth		[–1,386]
113	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS.	2,600	2,600
114	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM.	3,104	3,104
115	0305103C	CYBER SECURITY INITIATIVE	985	985
116	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM	36,955	36,955
117	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS.	16,484	94,484
		Address cyber threats		[5,000]
		Develop space sensor architecture		[73,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.	**8,709,725**	**8,962,146**
		SYSTEM DEVELOPMENT AND DEMONSTRATION		
118	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD.	8,333	8,333
119	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT.	263,414	413,414
		Accelerate program		[150,000]
120	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD.	388,701	388,701
121	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS).	19,503	19,503
122	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT.	6,163	6,163
123	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT	11,988	11,988
124	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE	296	296
125	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM	1,489	1,489
126	0605027D8Z	OUSD(C) IT DEVELOPMENT INITIATIVES	9,590	9,590
127	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION.	3,173	3,173
128	0605075D8Z	DCMO POLICY AND INTEGRATION	2,105	2,105
129	0605080S	DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM.	21,156	21,156
130	0605090S	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS).	10,731	10,731
132	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES.	6,374	6,374
133	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS	56,178	58,678
		New trust approach development		[2,500]
134	0303141K	GLOBAL COMBAT SUPPORT SYSTEM	2,512	2,512
135	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM).	2,435	2,435
136	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION.	17,048	17,048
		SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION.	**831,189**	**983,689**
		MANAGEMENT SUPPORT		
137	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS).	6,661	6,661
138	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	4,088	4,088
139	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP).	258,796	268,796
		Advanced hypersonic wind tunnel experimentation		[10,000]
140	0604942D8Z	ASSESSMENTS AND EVALUATIONS	31,356	31,356
141	0605001E	MISSION SUPPORT	65,646	65,646

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
142	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC).	84,184	89,184
		Cyber range capacity and development		[5,000]
143	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	22,576	22,576
144	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO).	52,565	52,565
146	0605142D8Z	SYSTEMS ENGINEERING	38,872	38,872
147	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD	3,534	3,534
148	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY	5,050	5,050
149	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION.	11,450	11,450
150	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE)	1,693	1,693
151	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	102,883	102,883
159	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR) / SMALL BUSINESS TECHNOLOGY TRANSFER.	2,545	2,545
160	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS	24,487	24,487
161	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC).	56,853	56,853
162	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION.	24,914	24,914
163	0605804D8Z	DEVELOPMENT TEST AND EVALUATION	20,179	25,179
		Improve software testing capabilities		[5,000]
164	0605898E	MANAGEMENT HQ—R&D	13,643	13,643
165	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC).	4,124	4,124
166	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS	5,768	5,768
167	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	1,030	1,030
168	0606589D8W	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT.	1,000	1,000
169	0606942C	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	3,400	3,400
170	0606942S	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	4,000	4,000
171	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI).	3,008	3,008
172	0204571J	JOINT STAFF ANALYTICAL SUPPORT	6,658	6,658
175	0303166J	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES.	652	652
176	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO).	1,005	1,005
177	0305172K	COMBINED ADVANCED APPLICATIONS	21,363	21,363
180	0305245D8Z	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS.	109,529	109,529
181	0306310D8Z	CWMD SYSTEMS: RDT&E MANAGEMENT SUPPORT	1,244	1,244
184	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA.	42,940	42,940
185	0901598C	MANAGEMENT HQ—MDA	28,626	28,626
187	0903235K	JOINT SERVICE PROVIDER (JSP)	5,104	5,104
188A	9999999999	CLASSIFIED PROGRAMS	45,604	45,604
		SUBTOTAL MANAGEMENT SUPPORT	**1,117,030**	**1,137,030**
		OPERATIONAL SYSTEM DEVELOPMENT		
189	0604130V	ENTERPRISE SECURITY SYSTEM (ESS)	9,750	9,750
190	0605127T	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA.	1,855	1,855
191	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHASIS).	304	304
192	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT.	10,376	10,376
193	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT.	5,915	5,915

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
194	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS).	5,869	5,869
195	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).	48,741	48,741
196	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS)	3,037	3,037
197	0208045K	C4I INTEROPERABILITY	62,814	62,814
203	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION.	16,561	16,561
204	0303126K	LONG-HAUL COMMUNICATIONS—DCS	14,769	14,769
205	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN).	17,579	17,579
207	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI)	31,737	31,737
208	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM	7,940	17,940
		Expand cyber scholarship program		[10,000]
209	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM	229,252	229,252
210	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM	19,611	19,611
211	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM	46,900	46,900
212	0303153K	DEFENSE SPECTRUM ORGANIZATION	7,570	7,570
213	0303228K	JOINT INFORMATION ENVIRONMENT (JIE)	7,947	7,947
215	0303430K	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY.	39,400	39,400
224	0305186D8Z	POLICY R&D PROGRAMS	6,262	6,262
225	0305199D8Z	NET CENTRICITY	16,780	16,780
227	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.	6,286	6,286
230	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.	2,970	2,970
233	0305327V	INSIDER THREAT	5,954	5,954
234	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM.	2,198	2,198
240	0307577D8Z	INTELLIGENCE MISSION DATA (IMD)	6,889	6,889
242	0708012K	LOGISTICS SUPPORT ACTIVITIES	1,317	1,317
243	0708012S	PACIFIC DISASTER CENTERS	1,770	1,770
244	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	1,805	1,805
246	1105219BB	MQ–9 UAV	18,403	18,403
248	1160403BB	AVIATION SYSTEMS	184,993	179,993
		Realignment of funds		[–5,000]
249	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT	10,625	10,625
250	1160408BB	OPERATIONAL ENHANCEMENTS	102,307	102,307
251	1160431BB	WARRIOR SYSTEMS	46,942	46,942
252	1160432BB	SPECIAL PROGRAMS	2,479	2,479
253	1160434BB	UNMANNED ISR	27,270	27,270
254	1160480BB	SOF TACTICAL VEHICLES	1,121	1,121
255	1160483BB	MARITIME SYSTEMS	42,471	42,471
256	1160489BB	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	4,780	4,780
257	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE	12,176	12,176
258	1203610K	TELEPORT PROGRAM	2,323	2,323
258A	9999999999	CLASSIFIED PROGRAMS	3,877,898	3,887,898
		Classified increase		[10,000]
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT.	**4,973,946**	**4,988,946**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW.	**22,016,553**	**22,471,474**
		OPERATIONAL TEST & EVAL, DEFENSE MANAGEMENT SUPPORT		
001	0605118OTE	OPERATIONAL TEST AND EVALUATION	85,685	85,685
002	0605131OTE	LIVE FIRE TEST AND EVALUATION	64,332	64,332
003	0605814OTE	OPERATIONAL TEST ACTIVITIES AND ANALYSES	70,992	81,892
		Increase for test and evaluation technologies		[10,900]
		SUBTOTAL MANAGEMENT SUPPORT	**221,009**	**231,909**

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		TOTAL OPERATIONAL TEST & EVAL, DEFENSE.	***221,009***	***231,909***
		TOTAL RDT&E	***91,056,950***	***91,727,403***

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
056	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING.	1,000	1,000
058	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV.	1,500	1,500
061	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	3,000	3,000
076	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD).	23,000	23,000
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	***28,500***	***28,500***
		SYSTEM DEVELOPMENT & DEMONSTRATION		
088	0604328A	TRACTOR CAGE	12,000	12,000
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV.	119,300	119,300
125	0605032A	TRACTOR TIRE	66,760	66,760
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM)	2,670	2,670
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	34,933	34,933
147	0303032A	TROJAN—RH12	1,200	1,200
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	***236,863***	***236,863***
		OPERATIONAL SYSTEMS DEVELOPMENT		
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS.	2,548	2,548
185	0607133A	TRACTOR SMOKE	7,780	7,780
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM.	2,000	2,000
209	0205402A	INTEGRATED BASE DEFENSE—OPERATIONAL SYSTEM DEV.	8,000	8,000
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	23,199	23,199
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	14,000	14,000
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE	2,214	2,214
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.	***59,741***	***59,741***
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.	***325,104***	***325,104***
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
041	0603527N	RETRACT LARCH	18,000	18,000
061	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.	13,900	13,900
074	0603795N	LAND ATTACK TECHNOLOGY	1,400	1,400
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	***33,300***	***33,300***
		SYSTEM DEVELOPMENT & DEMONSTRATION		
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	1,100	1,100

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	**1,100**	**1,100**
		OPERATIONAL SYSTEMS DEVELOPMENT		
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	16,130	16,130
268A	9999999999	CLASSIFIED PROGRAMS	117,282	117,282
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.	**133,412**	**133,412**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.	**167,812**	**167,812**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
065	1206438F	SPACE CONTROL TECHNOLOGY	1,100	1,100
070	1206857F	OPERATIONALLY RESPONSIVE SPACE	12,395	12,395
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	**13,495**	**13,495**
		OPERATIONAL SYSTEMS DEVELOPMENT		
186	0205219F	MQ–9 UAV	4,500	4,500
187	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE	4,000	4,000
188	0207131F	A–10 SQUADRONS	1,000	1,000
217	0207610F	BATTLEFIELD ABN COMM NODE (BACN)	42,349	42,349
228	0208288F	INTEL DATA APPLICATIONS	1,200	1,200
254	0305111F	WEATHER SERVICE	3,000	3,000
268	0305202F	DRAGON U–2	22,100	22,100
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.	29,500	29,500
310	1202247F	AF TENCAP	5,000	5,000
327A	9999999999	CLASSIFIED PROGRAMS	188,127	188,127
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.	**300,776**	**300,776**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF.	**314,271**	**314,271**
		ADVANCED TECHNOLOGY DEVELOPMENT		
024	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	25,000	25,000
026	0603134BR	COUNTER IMPROVISED-THREAT SIMULATION	13,648	13,648
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	**38,648**	**38,648**
		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES		
094	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	242,668	158,507
		JIDO program adjustment		[–84,161]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.	**242,668**	**242,668**
		OPERATIONAL SYSTEM DEVELOPMENT		
250	1160408BB	OPERATIONAL ENHANCEMENTS	3,632	3,632
251	1160431BB	WARRIOR SYSTEMS	11,040	11,040
253	1160434BB	UNMANNED ISR	11,700	11,700
254	1160480BB	SOF TACTICAL VEHICLES	725	725
258A	9999999999	CLASSIFIED PROGRAMS	192,131	192,131
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT.	**219,228**	**219,228**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW.	**500,544**	**416,383**

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	Conference Authorized
		TOTAL RDT&E	**1,307,731**	**1,223,570**

TITLE XLIII—OPERATION AND MAINTENANCE

Sec. 4301. Operation and maintenance.
Sec. 4302. Operation and maintenance for overseas contingency operations.

SEC. 4301. OPERATION AND MAINTENANCE.

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	OPERATION & MAINTENANCE, ARMY		
	OPERATING FORCES		
010	MANEUVER UNITS	2,076,360	1,785,360
	Excess growth		[–15,000]
	Readiness restoration		[9,400]
	Realign OCO requirements from Base to OCO		[–285,400]
020	MODULAR SUPPORT BRIGADES	107,946	109,746
	Readiness restoration		[1,800]
030	ECHELONS ABOVE BRIGADE	732,485	740,085
	Readiness restoration		[7,600]
040	THEATER LEVEL ASSETS	1,169,508	1,187,808
	Readiness restoration		[18,300]
050	LAND FORCES OPERATIONS SUPPORT	1,180,460	1,197,960
	Readiness restoration		[17,500]
060	AVIATION ASSETS	1,467,500	1,435,300
	Readiness restoration		[17,800]
	Unjustified program growth		[–50,000]
070	FORCE READINESS OPERATIONS SUPPORT	4,285,211	4,285,211
080	LAND FORCES SYSTEMS READINESS	482,201	482,201
090	LAND FORCES DEPOT MAINTENANCE	1,536,851	1,476,751
	Readiness restoration		[111,200]
	Realign OCO requirements from Base to OCO		[–171,300]
100	BASE OPERATIONS SUPPORT	8,274,299	8,260,144
	Operation and Maintenance, Army DSMOA		[10,000]
	Unjustified growth		[–24,155]
110	FACILITIES SUSTAINMENT	3,516,859	2,472,978
	85% Sustainment		[175,469]
	Realignment of FSRM funds to new RM and Demo lines		[–1,219,350]
111	FACILITIES RESTORATION & MODERNIZATION		1,054,140
	Realignment of FSRM funds to new RM and Demo lines		[1,054,140]
112	FACILITIES DEMOLITION		215,210
	Program increase		[50,000]
	Realignment of FSRM funds to new RM and Demo lines		[165,210]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	438,733	438,733
180	US AFRICA COMMAND	231,518	231,518
190	US EUROPEAN COMMAND	150,268	150,268
200	US SOUTHERN COMMAND	195,964	210,264
	SOUTHCOM ABN GFE Sensor (GEOINT/SIGINT)		[4,200]
	SOUTHCOM Cyber HUMINT (CME/OPS)		[1,000]
	SOUTHCOM OSINT/PAI (CME/LIC/TOOLS)		[1,600]

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	SOUTHCOM Overland Airborne ISR Flight Hours		*[7,200]*
	SOUTHCOM SIGINT Suite COMSAT RF		*[300]*
210	*US FORCES KOREA*	*59,625*	*59,625*
	SUBTOTAL OPERATING FORCES	***25,905,788***	***25,793,302***
	MOBILIZATION		
220	*STRATEGIC MOBILITY*	*370,941*	*370,941*
230	*ARMY PREPOSITIONED STOCKS*	*573,560*	*573,560*
240	*INDUSTRIAL PREPAREDNESS*	*7,678*	*7,678*
	SUBTOTAL MOBILIZATION	***952,179***	***952,179***
	TRAINING AND RECRUITING		
250	*OFFICER ACQUISITION*	*135,832*	*135,832*
260	*RECRUIT TRAINING*	*54,819*	*54,819*
270	*ONE STATION UNIT TRAINING*	*69,599*	*69,599*
280	*SENIOR RESERVE OFFICERS TRAINING CORPS*	*518,998*	*518,998*
290	*SPECIALIZED SKILL TRAINING*	*1,020,073*	*1,007,073*
	Program decrease unaccounted for		*[–13,000]*
300	*FLIGHT TRAINING*	*1,082,190*	*1,082,190*
310	*PROFESSIONAL DEVELOPMENT EDUCATION*	*220,399*	*220,399*
320	*TRAINING SUPPORT*	*611,482*	*611,482*
330	*RECRUITING AND ADVERTISING*	*698,962*	*612,085*
	Marketing Cuts		*[–86,877]*
340	*EXAMINING*	*162,049*	*162,049*
350	*OFF-DUTY AND VOLUNTARY EDUCATION*	*215,622*	*215,622*
360	*CIVILIAN EDUCATION AND TRAINING*	*176,914*	*176,914*
370	*JUNIOR RESERVE OFFICER TRAINING CORPS*	*174,430*	*177,570*
	Program increase		*[3,140]*
	SUBTOTAL TRAINING AND RECRUITING	***5,141,369***	***5,044,632***
	ADMIN & SRVWIDE ACTIVITIES		
390	*SERVICEWIDE TRANSPORTATION*	*588,047*	*588,047*
400	*CENTRAL SUPPLY ACTIVITIES*	*931,462*	*931,462*
410	*LOGISTIC SUPPORT ACTIVITIES*	*696,114*	*696,114*
420	*AMMUNITION MANAGEMENT*	*461,637*	*461,637*
430	*ADMINISTRATION*	*447,564*	*447,564*
440	*SERVICEWIDE COMMUNICATIONS*	*2,069,127*	*2,069,127*
450	*MANPOWER MANAGEMENT*	*261,021*	*261,021*
460	*OTHER PERSONNEL SUPPORT*	*379,541*	*379,541*
470	*OTHER SERVICE SUPPORT*	*1,699,767*	*1,687,767*
	Program decrease unaccounted for		*[–12,000]*
480	*ARMY CLAIMS ACTIVITIES*	*192,686*	*192,686*
490	*REAL ESTATE MANAGEMENT*	*240,917*	*240,917*
500	*FINANCIAL MANAGEMENT AND AUDIT READINESS*	*291,569*	*291,569*
510	*INTERNATIONAL MILITARY HEADQUARTERS*	*442,656*	*442,656*
520	*MISC. SUPPORT OF OTHER NATIONS*	*48,251*	*48,251*
565	*CLASSIFIED PROGRAMS*	*1,259,622*	*1,259,622*
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	***10,009,981***	***9,997,981***
	UNDISTRIBUTED		
570	*UNDISTRIBUTED*		*–710,000*
	Army misrepresentation of civilian pay budget request		*[–100,000]*
	Foreign Currency adjustments		*[–137,000]*

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	Historical unobligated balances		*[–473,000]*
	SUBTOTAL UNDISTRIBUTED		***–710,000***
	TOTAL OPERATION & MAINTENANCE, ARMY	***42,009,317***	***41,078,094***
	OPERATION & MAINTENANCE, ARMY RES		
	OPERATING FORCES		
010	*MODULAR SUPPORT BRIGADES*	*13,867*	*13,867*
020	*ECHELONS ABOVE BRIGADE*	*536,438*	*536,438*
030	*THEATER LEVEL ASSETS*	*113,225*	*113,225*
040	*LAND FORCES OPERATIONS SUPPORT*	*551,141*	*551,141*
050	*AVIATION ASSETS*	*89,073*	*89,073*
060	*FORCE READINESS OPERATIONS SUPPORT*	*409,531*	*409,531*
070	*LAND FORCES SYSTEMS READINESS*	*101,411*	*101,411*
080	*LAND FORCES DEPOT MAINTENANCE*	*60,114*	*60,114*
090	*BASE OPERATIONS SUPPORT*	*595,728*	*579,728*
	Program decrease unaccounted for		*[–16,000]*
100	*FACILITIES SUSTAINMENT*	*304,658*	*263,065*
	Realignment of FSRM funds to new RM and Demo lines		*[–71,593]*
	Sustainment recovery		*[30,000]*
101	*FACILITIES RESTORATION & MODERNIZATION*		*49,176*
	Realignment of FSRM funds to new RM and Demo lines		*[49,176]*
102	*FACILITIES DEMOLITION*		*22,417*
	Realignment of FSRM funds to new RM and Demo lines		*[22,417]*
110	*MANAGEMENT AND OPERATIONAL HEADQUARTERS*	*22,175*	*22,175*
	SUBTOTAL OPERATING FORCES	***2,797,361***	***2,811,361***
	ADMIN & SRVWD ACTIVITIES		
120	*SERVICEWIDE TRANSPORTATION*	*11,832*	*11,832*
130	*ADMINISTRATION*	*18,218*	*18,218*
140	*SERVICEWIDE COMMUNICATIONS*	*25,069*	*25,069*
150	*MANPOWER MANAGEMENT*	*6,248*	*6,248*
160	*RECRUITING AND ADVERTISING*	*58,181*	*58,181*
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	***119,548***	***119,548***
	TOTAL OPERATION & MAINTENANCE, ARMY RES	***2,916,909***	***2,930,909***
	OPERATION & MAINTENANCE, ARNG		
	OPERATING FORCES		
010	*MANEUVER UNITS*	*810,269*	*790,269*
	Unjustified growth		*[–20,000]*
020	*MODULAR SUPPORT BRIGADES*	*193,402*	*193,402*
030	*ECHELONS ABOVE BRIGADE*	*753,815*	*753,815*
040	*THEATER LEVEL ASSETS*	*84,124*	*84,124*
050	*LAND FORCES OPERATIONS SUPPORT*	*31,881*	*31,881*
060	*AVIATION ASSETS*	*973,874*	*973,874*
070	*FORCE READINESS OPERATIONS SUPPORT*	*784,086*	*784,086*
080	*LAND FORCES SYSTEMS READINESS*	*51,353*	*51,353*
090	*LAND FORCES DEPOT MAINTENANCE*	*221,633*	*221,633*
100	*BASE OPERATIONS SUPPORT*	*1,129,942*	*1,114,942*
	Program decrease unaccounted for		*[–15,000]*

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
110	FACILITIES SUSTAINMENT	919,947	888,760
	Realignment of FSRM funds to new RM and Demo lines		[–101,187]
	Sustainment recovery		[70,000]
111	FACILITIES RESTORATION & MODERNIZATION		85,859
	Realignment of FSRM funds to new RM and Demo lines		[85,859]
112	FACILITIES DEMOLITION		15,328
	Realignment of FSRM funds to new RM and Demo lines		[15,328]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,010,524	1,010,524
	SUBTOTAL OPERATING FORCES	**6,964,850**	**6,999,850**
	ADMIN & SRVWD ACTIVITIES		
130	SERVICEWIDE TRANSPORTATION	10,017	10,017
140	ADMINISTRATION	72,746	72,746
150	SERVICEWIDE COMMUNICATIONS	83,105	83,105
160	MANPOWER MANAGEMENT	10,678	10,678
170	OTHER PERSONNEL SUPPORT	254,753	254,753
180	REAL ESTATE MANAGEMENT	3,146	3,146
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**434,445**	**434,445**
	TOTAL OPERATION & MAINTENANCE, ARNG	**7,399,295**	**7,434,295**
	OPERATION & MAINTENANCE, NAVY		
	OPERATING FORCES		
010	MISSION AND OTHER FLIGHT OPERATIONS	5,372,399	5,327,478
	Unjustified growth		[–44,921]
020	FLEET AIR TRAINING	2,023,351	2,021,351
	Advanced skills management		[–2,000]
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	56,225	56,225
040	AIR OPERATIONS AND SAFETY SUPPORT	156,081	156,081
050	AIR SYSTEMS SUPPORT	682,379	676,440
	Unjustified growth		[–5,939]
060	AIRCRAFT DEPOT MAINTENANCE	1,253,756	1,291,156
	Readiness restoration		[37,400]
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	66,649	66,649
080	AVIATION LOGISTICS	939,368	939,368
090	MISSION AND OTHER SHIP OPERATIONS	4,439,566	4,413,287
	Excess growth		[–26,279]
100	SHIP OPERATIONS SUPPORT & TRAINING	997,663	997,663
110	SHIP DEPOT MAINTENANCE	8,751,526	8,900,126
	Readiness restoration		[116,600]
	Western Pacific Dry Dock capability		[32,000]
120	SHIP DEPOT OPERATIONS SUPPORT	2,168,876	2,168,876
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	1,349,593	1,326,293
	Fiscal year 2018 decrease not properly accounted		[–25,000]
	SOUTHCOM CCO Sensor Integration		[1,700]
150	SPACE SYSTEMS AND SURVEILLANCE	215,255	215,255
160	WARFARE TACTICS	632,446	617,446
	Unjustified growth		[–15,000]
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	373,046	373,046

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
180	COMBAT SUPPORT FORCES	1,452,075	1,452,075
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	153,719	153,719
210	COMBATANT COMMANDERS CORE OPERATIONS	63,039	63,039
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	89,339	89,339
230	MILITARY INFORMATION SUPPORT OPERATIONS	8,475	8,475
240	CYBERSPACE ACTIVITIES	424,088	424,088
260	FLEET BALLISTIC MISSILE	1,361,947	1,361,947
280	WEAPONS MAINTENANCE	823,952	823,952
290	OTHER WEAPON SYSTEMS SUPPORT	494,101	494,101
300	ENTERPRISE INFORMATION	921,936	876,936
	General reduction		[–45,000]
310	FACILITIES SUSTAINMENT	2,040,389	1,986,642
	FSRM to 100% max executable		[310,000]
	Realignment of FSRM funds to new RM and Demo lines		[–363,747]
311	FACILITIES RESTORATION & MODERNIZATION		243,745
	Realignment of FSRM funds to new RM and Demo lines		[243,745]
312	FACILITIES DEMOLITION		160,002
	Program increase		[40,000]
	Realignment of FSRM funds to new RM and Demo lines		[120,002]
320	BASE OPERATING SUPPORT	4,414,753	4,414,753
	SUBTOTAL OPERATING FORCES	**41,725,992**	**42,099,553**
	MOBILIZATION		
330	SHIP PREPOSITIONING AND SURGE	549,142	549,142
340	READY RESERVE FORCE	310,805	310,805
360	SHIP ACTIVATIONS/INACTIVATIONS	161,150	161,150
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS	120,338	120,338
390	COAST GUARD SUPPORT	24,097	24,097
	SUBTOTAL MOBILIZATION	**1,165,532**	**1,165,532**
	TRAINING AND RECRUITING		
400	OFFICER ACQUISITION	145,481	145,481
410	RECRUIT TRAINING	9,637	9,637
420	RESERVE OFFICERS TRAINING CORPS	149,687	149,687
430	SPECIALIZED SKILL TRAINING	879,557	793,557
	Ready, Relevant Learning funding ahead of need		[–86,000]
450	PROFESSIONAL DEVELOPMENT EDUCATION	184,436	186,136
	Naval Sea Cadets		[1,700]
460	TRAINING SUPPORT	223,159	223,159
470	RECRUITING AND ADVERTISING	181,086	181,086
480	OFF-DUTY AND VOLUNTARY EDUCATION	96,006	96,006
490	CIVILIAN EDUCATION AND TRAINING	72,083	72,083
500	JUNIOR ROTC	54,156	55,106
	Program increase		[950]
	SUBTOTAL TRAINING AND RECRUITING	**1,995,288**	**1,911,938**
	ADMIN & SRVWD ACTIVITIES		
510	ADMINISTRATION	1,089,964	1,069,964
	Program decrease		[–20,000]
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	164,074	164,074

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	418,350	418,350
580	SERVICEWIDE TRANSPORTATION	167,106	167,106
600	PLANNING, ENGINEERING, AND PROGRAM SUPPORT	333,556	333,556
610	ACQUISITION, LOGISTICS, AND OVERSIGHT	663,690	663,690
650	INVESTIGATIVE AND SECURITY SERVICES	705,087	705,087
765	CLASSIFIED PROGRAMS	574,994	584,994
	Classified adjustment		[10,000]
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**4,116,821**	**4,106,821**
	UNDISTRIBUTED		
770	UNDISTRIBUTED		–269,600
	Foreign Currency adjustments		[–35,900]
	Historical unobligated balances		[–233,700]
	SUBTOTAL UNDISTRIBUTED		**–269,600**
	TOTAL OPERATION & MAINTENANCE, NAVY	**49,003,633**	**49,014,244**
	OPERATION & MAINTENANCE, MARINE CORPS		
	OPERATING FORCES		
010	OPERATIONAL FORCES	873,320	883,235
	Additional parts & spares to support intermediate & organizational maintenance		[8,200]
	Additional training requirements		[4,200]
	Unjustified growth		[–2,485]
020	FIELD LOGISTICS	1,094,187	1,094,187
030	DEPOT MAINTENANCE	314,182	341,082
	Readiness restoration		[26,900]
040	MARITIME PREPOSITIONING	98,136	98,136
050	CYBERSPACE ACTIVITIES	183,546	183,546
060	FACILITIES SUSTAINMENT	832,636	736,354
	85% Sustainment		[42,400]
	Realignment of FSRM funds to new RM and Demo lines		[–138,682]
061	FACILITIES RESTORATION & MODERNIZATION		61,469
	Realignment of FSRM funds to new RM and Demo lines		[61,469]
062	FACILITIES DEMOLITION		107,213
	Program increase		[30,000]
	Realignment of FSRM funds to new RM and Demo lines		[77,213]
070	BASE OPERATING SUPPORT	2,151,390	2,116,390
	Program decrease unaccounted for		[–35,000]
	SUBTOTAL OPERATING FORCES	**5,547,397**	**5,621,612**
	TRAINING AND RECRUITING		
080	RECRUIT TRAINING	16,453	16,453
090	OFFICER ACQUISITION	1,144	1,144
100	SPECIALIZED SKILL TRAINING	106,360	106,360
110	PROFESSIONAL DEVELOPMENT EDUCATION	46,096	46,096
120	TRAINING SUPPORT	389,751	389,751
130	RECRUITING AND ADVERTISING	201,662	201,662
140	OFF-DUTY AND VOLUNTARY EDUCATION	32,461	32,461
150	JUNIOR ROTC	24,217	24,607

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	Program increase		*[390]*
	SUBTOTAL TRAINING AND RECRUITING	***818,144***	***818,534***
	ADMIN & SRVWD ACTIVITIES		
160	*SERVICEWIDE TRANSPORTATION*	*29,735*	*29,735*
170	*ADMINISTRATION*	*386,375*	*376,375*
	Fiscal year 2018 decrease not properly accounted		*[–10,000]*
225	*CLASSIFIED PROGRAMS*	*50,859*	*50,859*
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	***466,969***	***456,969***
	UNDISTRIBUTED		
230	*UNDISTRIBUTED*		*–29,400*
	Foreign Currency adjustments		*[–8,900]*
	Historical unobligated balances		*[–20,500]*
	SUBTOTAL UNDISTRIBUTED		***–29,400***
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	***6,832,510***	***6,867,715***
	OPERATION & MAINTENANCE, NAVY RES		
	OPERATING FORCES		
010	*MISSION AND OTHER FLIGHT OPERATIONS*	*569,584*	*569,584*
020	*INTERMEDIATE MAINTENANCE*	*6,902*	*6,902*
030	*AIRCRAFT DEPOT MAINTENANCE*	*109,776*	*109,776*
040	*AIRCRAFT DEPOT OPERATIONS SUPPORT*	*538*	*538*
050	*AVIATION LOGISTICS*	*18,888*	*18,888*
060	*SHIP OPERATIONS SUPPORT & TRAINING*	*574*	*574*
070	*COMBAT COMMUNICATIONS*	*17,561*	*17,561*
080	*COMBAT SUPPORT FORCES*	*121,070*	*119,030*
	Insufficient budget justification		*[–2,040]*
090	*CYBERSPACE ACTIVITIES*	*337*	*337*
100	*ENTERPRISE INFORMATION*	*23,964*	*23,964*
110	*FACILITIES SUSTAINMENT*	*36,356*	*41,151*
	Realignment of FSRM funds to new RM and Demo lines		*[–5,205]*
	Sustainment recovery		*[10,000]*
111	*FACILITIES RESTORATION & MODERNIZATION*		*3,205*
	Realignment of FSRM funds to new RM and Demo lines		*[3,205]*
112	*FACILITIES DEMOLITION*		*2,000*
	Realignment of FSRM funds to new RM and Demo lines		*[2,000]*
120	*BASE OPERATING SUPPORT*	*103,562*	*103,562*
	SUBTOTAL OPERATING FORCES	***1,009,112***	***1,017,072***
	ADMIN & SRVWD ACTIVITIES		
130	*ADMINISTRATION*	*1,868*	*1,868*
140	*MILITARY MANPOWER AND PERSONNEL MANAGEMENT*	*12,849*	*12,849*
160	*ACQUISITION AND PROGRAM MANAGEMENT*	*3,177*	*3,177*
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	***17,894***	***17,894***
	TOTAL OPERATION & MAINTENANCE, NAVY RES	***1,027,006***	***1,034,966***
	OPERATION & MAINTENANCE, MC RESERVE		
	OPERATING FORCES		

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
010	OPERATING FORCES	99,173	101,173
	Additional training requirements		[2,000]
020	DEPOT MAINTENANCE	19,430	19,430
030	FACILITIES SUSTAINMENT	39,962	25,666
	Realignment of FSRM funds to new RM and Demo lines		[–22,296]
	Sustainment recovery		[8,000]
031	FACILITIES RESTORATION & MODERNIZATION		22,296
	Realignment of FSRM funds to new RM and Demo lines		[22,296]
040	BASE OPERATING SUPPORT	101,829	101,829
	SUBTOTAL OPERATING FORCES	**260,394**	**270,394**
	ADMIN & SRVWD ACTIVITIES		
050	ADMINISTRATION	11,176	11,176
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**11,176**	**11,176**
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	**271,570**	**281,570**
	OPERATION & MAINTENANCE, AIR FORCE		
	OPERATING FORCES		
010	PRIMARY COMBAT FORCES	758,178	783,178
	Increase for F–35 sustainment to accelerate depot component repair capability		[25,000]
020	COMBAT ENHANCEMENT FORCES	1,509,027	1,227,027
	Programming error—BACN		[–282,000]
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	1,323,330	1,323,330
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	3,511,830	3,583,170
	Fiscal year 2018 decrease not properly accounted		[–13,160]
	Readiness restoration		[46,500]
	Restoration of U–2 Tail #80–1099		[38,000]
050	FACILITIES SUSTAINMENT	2,892,705	2,598,824
	85% Sustainment		[152,000]
	Realignment of FSRM funds to new RM and Demo lines		[–445,881]
051	FACILITIES RESTORATION & MODERNIZATION		420,861
	Realignment of FSRM funds to new RM and Demo lines		[420,861]
052	FACILITIES DEMOLITION		67,020
	Program increase		[42,000]
	Realignment of FSRM funds to new RM and Demo lines		[25,020]
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	7,613,084	7,993,784
	Increase for JSTARS buy-back		[95,900]
	Readiness restoration		[74,800]
	Unjustified growth		[–90,000]
	WSS to 100% executable		[300,000]
070	FLYING HOUR PROGRAM	4,345,208	4,242,799
	Increase for JSTARS buy-back		[50,000]
	Unjustified growth		[–152,409]
080	BASE SUPPORT	5,989,215	5,989,215
090	GLOBAL C3I AND EARLY WARNING	928,023	928,023
100	OTHER COMBAT OPS SPT PROGRAMS	1,080,956	1,080,956
110	CYBERSPACE ACTIVITIES	879,032	813,032

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	Air Force requested transfer to SAG 42B		*[–66,000]*
130	*LAUNCH FACILITIES*	*183,777*	*183,777*
140	*SPACE CONTROL SYSTEMS*	*404,072*	*404,072*
170	*US NORTHCOM/NORAD*	*187,375*	*187,375*
180	*US STRATCOM*	*529,902*	*529,902*
190	*US CYBERCOM*	*329,474*	*329,474*
200	*US CENTCOM*	*166,024*	*166,024*
210	*US SOCOM*	*723*	*723*
220	*US TRANSCOM*	*535*	*535*
225	*CLASSIFIED PROGRAMS*	*1,164,810*	*1,164,810*
	SUBTOTAL OPERATING FORCES	***33,797,280***	***34,017,911***
	MOBILIZATION		
230	*AIRLIFT OPERATIONS*	*1,307,695*	*1,242,695*
	Fiscal year 2018 decrease not properly accounted		*[–65,000]*
240	*MOBILIZATION PREPAREDNESS*	*144,417*	*144,417*
	SUBTOTAL MOBILIZATION	***1,452,112***	***1,387,112***
	TRAINING AND RECRUITING		
280	*OFFICER ACQUISITION*	*133,187*	*133,187*
290	*RECRUIT TRAINING*	*25,041*	*25,041*
300	*RESERVE OFFICERS TRAINING CORPS (ROTC)*	*117,338*	*117,338*
330	*SPECIALIZED SKILL TRAINING*	*401,996*	*401,996*
340	*FLIGHT TRAINING*	*477,064*	*477,064*
350	*PROFESSIONAL DEVELOPMENT EDUCATION*	*276,423*	*276,423*
360	*TRAINING SUPPORT*	*95,948*	*95,948*
380	*RECRUITING AND ADVERTISING*	*154,530*	*154,530*
390	*EXAMINING*	*4,132*	*4,132*
400	*OFF-DUTY AND VOLUNTARY EDUCATION*	*223,150*	*223,150*
410	*CIVILIAN EDUCATION AND TRAINING*	*209,497*	*209,497*
420	*JUNIOR ROTC*	*59,908*	*60,908*
	Program increase		*[1,000]*
	SUBTOTAL TRAINING AND RECRUITING	***2,178,214***	***2,179,214***
	ADMIN & SRVWD ACTIVITIES		
430	*LOGISTICS OPERATIONS*	*681,788*	*681,788*
440	*TECHNICAL SUPPORT ACTIVITIES*	*117,812*	*117,812*
480	*ADMINISTRATION*	*953,102*	*933,102*
	Unjustified growth		*[–20,000]*
490	*SERVICEWIDE COMMUNICATIONS*	*358,389*	*424,389*
	Air Force requested transfer from SAG 12D		*[66,000]*
500	*OTHER SERVICEWIDE ACTIVITIES*	*1,194,862*	*1,194,862*
510	*CIVIL AIR PATROL*	*29,594*	*29,594*
540	*INTERNATIONAL SUPPORT*	*74,959*	*74,959*
545	*CLASSIFIED PROGRAMS*	*1,222,456*	*1,222,456*
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	***4,632,962***	***4,678,962***
	UNDISTRIBUTED		
550	*UNDISTRIBUTED*		*–164,600*
	Foreign Currency adjustments		*[–68,000]*
	Historical unobligated balances		*[–239,000]*
	Procurement of 7 DABs for PACOM		*[142,400]*
	SUBTOTAL UNDISTRIBUTED		***–164,600***
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	***42,060,568***	***42,098,599***

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	OPERATION & MAINTENANCE, AF RESERVE		
	OPERATING FORCES		
010	*PRIMARY COMBAT FORCES*	*1,853,437*	*1,838,437*
	Unjustified growth		*[–15,000]*
020	*MISSION SUPPORT OPERATIONS*	*205,369*	*205,369*
030	*DEPOT PURCHASE EQUIPMENT MAINTENANCE*	*345,576*	*347,476*
	Readiness restoration		*[1,900]*
040	*FACILITIES SUSTAINMENT*	*120,736*	*111,903*
	Additional demo		*[2,800]*
	Realignment of FSRM funds to new RM and Demo lines		*[–27,633]*
	Sustainment recovery		*[16,000]*
041	*FACILITIES RESTORATION & MODERNIZATION*		*27,633*
	Realignment of FSRM funds to new RM and Demo lines		*[27,633]*
050	*CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT*	*241,239*	*293,239*
	Readiness restoration		*[52,000]*
060	*BASE SUPPORT*	*385,922*	*385,922*
	SUBTOTAL OPERATING FORCES	***3,152,279***	***3,209,979***
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
070	*ADMINISTRATION*	*71,188*	*71,188*
080	*RECRUITING AND ADVERTISING*	*19,429*	*19,429*
090	*MILITARY MANPOWER AND PERS MGMT (ARPC)*	*9,386*	*9,386*
100	*OTHER PERS SUPPORT (DISABILITY COMP)*	*7,512*	*7,512*
110	*AUDIOVISUAL*	*440*	*440*
	SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES	***107,955***	***107,955***
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	***3,260,234***	***3,317,934***
	OPERATION & MAINTENANCE, ANG		
	OPERATING FORCES		
010	*AIRCRAFT OPERATIONS*	*2,619,940*	*2,581,540*
	Restoring O&M associated with buyback of 3 PMAI JSTARS aircraft		*[1,600]*
	Unjustified program growth		*[–40,000]*
020	*MISSION SUPPORT OPERATIONS*	*623,265*	*623,265*
030	*DEPOT PURCHASE EQUIPMENT MAINTENANCE*	*748,287*	*748,287*
040	*FACILITIES SUSTAINMENT*	*303,792*	*289,700*
	Realignment of FSRM funds to new RM and Demo lines		*[–34,092]*
	Sustainment recovery		*[20,000]*
041	*FACILITIES RESTORATION & MODERNIZATION*		*31,696*
	Realignment of FSRM funds to new RM and Demo lines		*[31,696]*
042	*FACILITIES DEMOLITION*		*2,396*
	Realignment of FSRM funds to new RM and Demo lines		*[2,396]*
050	*CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT*	*1,061,759*	*1,064,759*
	Readiness restoration		*[3,000]*
060	*BASE SUPPORT*	*988,333*	*1,000,233*
	PFAS Transfer		*[11,000]*

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	Readiness restoration		*[900]*
	SUBTOTAL OPERATING FORCES	***6,345,376***	***6,341,876***
	ADMINISTRATION AND SERVICE-WIDE ACTIVITIES		
070	*ADMINISTRATION*	*45,711*	*45,711*
080	*RECRUITING AND ADVERTISING*	*36,535*	*36,535*
	SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES	***82,246***	***82,246***
	TOTAL OPERATION & MAINTENANCE, ANG	***6,427,622***	***6,424,122***
	OPERATION AND MAINTENANCE, DEFENSE-WIDE		
	OPERATING FORCES		
010	*JOINT CHIEFS OF STAFF*	*430,215*	*432,715*
	Operational logistics exercise elements		*[2,500]*
020	*JOINT CHIEFS OF STAFF—CE2T2*	*602,186*	*602,186*
040	*SPECIAL OPERATIONS COMMAND/OPERATING FORCES*	*5,389,250*	*5,312,200*
	Civilian pay ahead of need		*[–10,700]*
	Program decrease		*[–66,350]*
	SUBTOTAL OPERATING FORCES	***6,421,651***	***6,347,101***
	TRAINING AND RECRUITING		
050	*DEFENSE ACQUISITION UNIVERSITY*	*181,601*	*181,601*
060	*JOINT CHIEFS OF STAFF*	*96,565*	*96,565*
070	*SPECIAL OPERATIONS COMMAND/TRAINING AND RECRUITING*	*370,583*	*370,583*
	SUBTOTAL TRAINING AND RECRUITING	***648,749***	***648,749***
	ADMIN & SRVWIDE ACTIVITIES		
080	*CIVIL MILITARY PROGRAMS*	*166,131*	*181,131*
	STARBASE		*[15,000]*
100	*DEFENSE CONTRACT AUDIT AGENCY*	*625,633*	*625,633*
110	*DEFENSE CONTRACT MANAGEMENT AGENCY*	*1,465,354*	*1,465,354*
120	*DEFENSE HUMAN RESOURCES ACTIVITY*	*859,923*	*859,923*
130	*DEFENSE INFORMATION SYSTEMS AGENCY*	*2,106,930*	*2,104,995*
	Excess growth		*[–1,935]*
150	*DEFENSE LEGAL SERVICES AGENCY*	*27,403*	*27,403*
160	*DEFENSE LOGISTICS AGENCY*	*379,275*	*387,775*
	Procurement Technical Assistance Program (PTAP)		*[8,500]*
170	*DEFENSE MEDIA ACTIVITY*	*207,537*	*207,537*
180	*DEFENSE PERSONNEL ACCOUNTING AGENCY*	*130,696*	*130,696*
190	*DEFENSE SECURITY COOPERATION AGENCY*	*754,711*	*686,744*
	Program reduction—maintain level of effort		*[–67,967]*
200	*DEFENSE SECURITY SERVICE*	*789,175*	*779,175*
	Program excess growth		*[–10,000]*
220	*DEFENSE TECHNOLOGY SECURITY ADMINISTRATION*	*34,951*	*34,951*
230	*DEFENSE THREAT REDUCTION AGENCY*	*553,329*	*553,329*
250	*DEPARTMENT OF DEFENSE EDUCATION ACTIVITY*	*2,892,284*	*2,942,284*
	Impact Aid for Children with Severe Disabilities		*[10,000]*

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	Impact aid for schools with military dependent students		*[40,000]*
260	*MISSILE DEFENSE AGENCY*	*499,817*	*499,817*
280	*OFFICE OF ECONOMIC ADJUSTMENT*	*70,035*	*70,035*
290	*OFFICE OF THE SECRETARY OF DEFENSE*	*1,519,655*	*1,587,655*
	Commission on Aircraft Safety		*[5,000]*
	Cyber Commission		*[4,000]*
	CDC PFOS/PFOA Health Study Increment		*[10,000]*
	Clearinghouse		*[1,000]*
	Defense Environmental International Cooperations (DEIC)		*[1,000]*
	Defense Fellows Program		*[10,000]*
	DOD emerging contaminants		*[1,000]*
	DOD environmental resilience		*[1,000]*
	DW Vietnam dioxin remediation		*[15,000]*
	Establish Artificial Intelligence commission		*[10,000]*
	Readiness and Environmental Protection Initiative Increase		*[10,000]*
300	*SPECIAL OPERATIONS COMMAND/ADMIN & SVC-WIDE ACTIVITIES*	*97,787*	*97,787*
310	*WASHINGTON HEADQUARTERS SERVICES*	*456,407*	*456,407*
315	*CLASSIFIED PROGRAMS*	*15,645,192*	*15,645,192*
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	***29,282,225***	***29,343,823***
	UNDISTRIBUTED		
320	*UNDISTRIBUTED*		*–279,800*
	Foreign Currency adjustments		*[–17,200]*
	Historical unobligated balances		*[–262,600]*
	SUBTOTAL UNDISTRIBUTED		***–279,800***
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	***36,352,625***	***36,059,873***
	US COURT OF APPEALS FOR ARMED FORCES, DEF		
	ADMINISTRATION AND ASSOCIATED ACTIVITIES		
010	*US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE*	*14,662*	*14,662*
	SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES	***14,662***	***14,662***
	TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF	***14,662***	***14,662***
	DOD ACQUISITION WORKFORCE DEVELOPMENT FUND		
	ACQUISITION WORKFORCE DEVELOPMENT		
010	*ACQ WORKFORCE DEV FD*	*400,000*	*400,000*
	SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT	***400,000***	***400,000***
	TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND	***400,000***	***400,000***

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID		
	HUMANITARIAN ASSISTANCE		
010	*OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID*	*107,663*	*107,663*
	SUBTOTAL HUMANITARIAN ASSISTANCE	***107,663***	***107,663***
	TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID	***107,663***	***107,663***
	COOPERATIVE THREAT REDUCTION ACCOUNT		
	FSU THREAT REDUCTION		
010	*FORMER SOVIET UNION (FSU) THREAT REDUCTION*	*335,240*	*335,240*
	SUBTOTAL FSU THREAT REDUCTION	***335,240***	***335,240***
	TOTAL COOPERATIVE THREAT REDUCTION ACCOUNT	***335,240***	***335,240***
	ENVIRONMENTAL RESTORATION, ARMY		
	DEPARTMENT OF THE ARMY		
060	*ENVIRONMENTAL RESTORATION, ARMY*	*203,449*	*213,449*
	PFOS/PFOA remediation increase		*[10,000]*
	SUBTOTAL DEPARTMENT OF THE ARMY	***203,449***	***213,449***
	TOTAL ENVIRONMENTAL RESTORATION, ARMY	***203,449***	***213,449***
	ENVIRONMENTAL RESTORATION, NAVY		
	DEPARTMENT OF THE NAVY		
080	*ENVIRONMENTAL RESTORATION, NAVY*	*329,253*	*339,253*
	PFOS/PFOA remediation increase		*[10,000]*
	SUBTOTAL DEPARTMENT OF THE NAVY	***329,253***	***339,253***
	TOTAL ENVIRONMENTAL RESTORATION, NAVY	***329,253***	***339,253***
	ENVIRONMENTAL RESTORATION, AIR FORCE		
	DEPARTMENT OF THE AIR FORCE		
100	*ENVIRONMENTAL RESTORATION, AIR FORCE*	*296,808*	*335,808*
	PFOS/PFOA remediation increase		*[50,000]*
	PFOS/PFOA remediation to ANG		*[–11,000]*
	SUBTOTAL DEPARTMENT OF THE AIR FORCE	***296,808***	***335,808***
	TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE	***296,808***	***335,808***
	ENVIRONMENTAL RESTORATION, DEFENSE		
	DEFENSE-WIDE		
120	*ENVIRONMENTAL RESTORATION, DEFENSE*	*8,926*	*8,926*
	SUBTOTAL DEFENSE-WIDE	***8,926***	***8,926***
	TOTAL ENVIRONMENTAL RESTORATION, DEFENSE	***8,926***	***8,926***

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	ENVIRONMENTAL RESTORATION FORMERLY USED SITES		
	DEFENSE-WIDE		
140	ENVIRONMENTAL RESTORATION FORMERLY USED SITES	212,346	212,346
	SUBTOTAL DEFENSE-WIDE	**212,346**	**212,346**
	TOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES	**212,346**	**212,346**
	TOTAL OPERATION & MAINTENANCE	**199,469,636**	**198,509,668**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	OPERATION & MAINTENANCE, ARMY		
	OPERATING FORCES		
010	MANEUVER UNITS	1,179,339	1,464,739
	Realign OCO requirements from Base to OCO		[285,400]
030	ECHELONS ABOVE BRIGADE	25,983	25,983
040	THEATER LEVEL ASSETS	2,189,916	2,189,916
050	LAND FORCES OPERATIONS SUPPORT	188,609	188,609
060	AVIATION ASSETS	120,787	120,787
070	FORCE READINESS OPERATIONS SUPPORT	3,867,286	3,867,286
080	LAND FORCES SYSTEMS READINESS	550,068	550,068
090	LAND FORCES DEPOT MAINTENANCE	195,873	367,173
	Realign OCO requirements from Base to OCO		[171,300]
100	BASE OPERATIONS SUPPORT	109,560	109,560
110	FACILITIES SUSTAINMENT	60,807	60,807
140	ADDITIONAL ACTIVITIES	5,992,222	5,992,222
150	COMMANDERS EMERGENCY RESPONSE PROGRAM	10,000	10,000
160	RESET	1,036,454	1,036,454
180	US AFRICA COMMAND	248,796	248,796
190	US EUROPEAN COMMAND	98,127	98,127
200	US SOUTHERN COMMAND	2,550	2,550
	SUBTOTAL OPERATING FORCES	**15,876,377**	**16,333,077**
	MOBILIZATION		
230	ARMY PREPOSITIONED STOCKS	158,753	158,753
	SUBTOTAL MOBILIZATION	**158,753**	**158,753**
	ADMIN & SRVWIDE ACTIVITIES		
390	SERVICEWIDE TRANSPORTATION	712,230	712,230
400	CENTRAL SUPPLY ACTIVITIES	44,168	44,168
410	LOGISTIC SUPPORT ACTIVITIES	5,300	5,300
420	AMMUNITION MANAGEMENT	38,597	38,597
460	OTHER PERSONNEL SUPPORT	109,019	109,019
490	REAL ESTATE MANAGEMENT	191,786	191,786
565	CLASSIFIED PROGRAMS	1,074,270	1,074,270
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	**2,175,370**	**2,175,370**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	TOTAL OPERATION & MAINTENANCE, ARMY	**18,210,500**	**18,667,200**
	OPERATION & MAINTENANCE, ARMY RES		
	OPERATING FORCES		
020	ECHELONS ABOVE BRIGADE	20,700	20,700
060	FORCE READINESS OPERATIONS SUPPORT	700	700
090	BASE OPERATIONS SUPPORT	20,487	20,487
	SUBTOTAL OPERATING FORCES	**41,887**	**41,887**
	TOTAL OPERATION & MAINTENANCE, ARMY RES	**41,887**	**41,887**
	OPERATION & MAINTENANCE, ARNG		
	OPERATING FORCES		
010	MANEUVER UNITS	42,519	42,519
020	MODULAR SUPPORT BRIGADES	778	778
030	ECHELONS ABOVE BRIGADE	12,093	12,093
040	THEATER LEVEL ASSETS	708	708
060	AVIATION ASSETS	28,135	28,135
070	FORCE READINESS OPERATIONS SUPPORT	5,908	5,908
100	BASE OPERATIONS SUPPORT	18,877	18,877
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	956	956
	SUBTOTAL OPERATING FORCES	**109,974**	**109,974**
	ADMIN & SRVWD ACTIVITIES		
150	SERVICEWIDE COMMUNICATIONS	755	755
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**755**	**755**
	TOTAL OPERATION & MAINTENANCE, ARNG	**110,729**	**110,729**
	AFGHAN NATIONAL ARMY		
090	SUSTAINMENT	1,522,777	1,522,777
100	INFRASTRUCTURE	137,732	137,732
110	EQUIPMENT AND TRANSPORTATION	71,922	71,922
120	TRAINING AND OPERATIONS	175,846	175,846
	SUBTOTAL AFGHAN NATIONAL ARMY	**1,908,277**	**1,908,277**
	AFGHAN NATIONAL POLICE		
130	SUSTAINMENT	527,554	527,554
140	INFRASTRUCTURE	42,984	42,984
150	EQUIPMENT AND TRANSPORTATION	14,554	14,554
160	TRAINING AND OPERATIONS	181,922	181,922
	SUBTOTAL AFGHAN NATIONAL POLICE	**767,014**	**767,014**
	AFGHAN AIR FORCE		
170	SUSTAINMENT	942,279	942,279
180	INFRASTRUCTURE	30,350	30,350
190	EQUIPMENT AND TRANSPORTATION	572,310	572,310
200	TRAINING AND OPERATIONS	277,191	277,191
	SUBTOTAL AFGHAN AIR FORCE	**1,822,130**	**1,822,130**
	AFGHAN SPECIAL SECURITY FORCES		
210	SUSTAINMENT	353,734	353,734
220	INFRASTRUCTURE	43,132	43,132

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
230	EQUIPMENT AND TRANSPORTATION	151,790	151,790
240	TRAINING AND OPERATIONS	153,373	153,373
	SUBTOTAL AFGHAN SPECIAL SECURITY FORCES	**702,029**	**702,029**
	TOTAL AFGHANISTAN SECURITY FORCES FUND	**5,199,450**	**5,199,450**
	COUNTER-ISIS TRAIN AND EQUIP FUND		
	COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)		
010	IRAQ	850,000	850,000
020	SYRIA	300,000	300,000
030	OTHER	250,000	250,000
	SUBTOTAL COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)	**1,400,000**	**1,400,000**
	TOTAL COUNTER-ISIS TRAIN AND EQUIP FUND	**1,400,000**	**1,400,000**
	OPERATION & MAINTENANCE, NAVY		
	OPERATING FORCES		
010	MISSION AND OTHER FLIGHT OPERATIONS	435,507	435,507
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	800	800
040	AIR OPERATIONS AND SAFETY SUPPORT	9,394	9,394
050	AIR SYSTEMS SUPPORT	193,384	193,384
060	AIRCRAFT DEPOT MAINTENANCE	173,053	173,053
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	3,524	3,524
080	AVIATION LOGISTICS	60,219	60,219
090	MISSION AND OTHER SHIP OPERATIONS	942,960	942,960
100	SHIP OPERATIONS SUPPORT & TRAINING	20,236	20,236
110	SHIP DEPOT MAINTENANCE	1,022,647	1,022,647
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	59,553	59,553
160	WARFARE TACTICS	16,651	16,651
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	31,118	31,118
180	COMBAT SUPPORT FORCES	635,560	635,560
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	4,334	4,334
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	24,800	24,800
240	CYBERSPACE ACTIVITIES	355	355
280	WEAPONS MAINTENANCE	493,033	493,033
290	OTHER WEAPON SYSTEMS SUPPORT	12,780	12,780
310	FACILITIES SUSTAINMENT	67,321	67,321
320	BASE OPERATING SUPPORT	211,394	211,394
	SUBTOTAL OPERATING FORCES	**4,418,623**	**4,418,623**
	MOBILIZATION		
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS	12,902	12,902
390	COAST GUARD SUPPORT	165,000	165,000
	SUBTOTAL MOBILIZATION	**177,902**	**177,902**
	TRAINING AND RECRUITING		
430	SPECIALIZED SKILL TRAINING	51,138	51,138
	SUBTOTAL TRAINING AND RECRUITING	**51,138**	**51,138**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
	ADMIN & SRVWD ACTIVITIES		
510	*ADMINISTRATION*	4,145	4,145
540	*MILITARY MANPOWER AND PERSONNEL MANAGEMENT*	7,503	7,503
580	*SERVICEWIDE TRANSPORTATION*	69,297	69,297
610	*ACQUISITION, LOGISTICS, AND OVERSIGHT*	10,912	10,912
650	*INVESTIGATIVE AND SECURITY SERVICES*	1,559	1,559
765	*CLASSIFIED PROGRAMS*	16,076	16,076
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**109,492**	**109,492**
	TOTAL OPERATION & MAINTENANCE, NAVY	**4,757,155**	**4,757,155**
	OPERATION & MAINTENANCE, MARINE CORPS		
	OPERATING FORCES		
010	*OPERATIONAL FORCES*	734,505	734,505
020	*FIELD LOGISTICS*	212,691	212,691
030	*DEPOT MAINTENANCE*	53,040	53,040
070	*BASE OPERATING SUPPORT*	23,047	23,047
	SUBTOTAL OPERATING FORCES	**1,023,283**	**1,023,283**
	TRAINING AND RECRUITING		
120	*TRAINING SUPPORT*	30,459	30,459
	SUBTOTAL TRAINING AND RECRUITING	**30,459**	**30,459**
	ADMIN & SRVWD ACTIVITIES		
160	*SERVICEWIDE TRANSPORTATION*	61,400	61,400
170	*ADMINISTRATION*	2,108	2,108
225	*CLASSIFIED PROGRAMS*	4,650	4,650
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**68,158**	**68,158**
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	**1,121,900**	**1,121,900**
	OPERATION & MAINTENANCE, NAVY RES		
	OPERATING FORCES		
020	*INTERMEDIATE MAINTENANCE*	500	500
030	*AIRCRAFT DEPOT MAINTENANCE*	11,400	11,400
080	*COMBAT SUPPORT FORCES*	13,737	13,737
	SUBTOTAL OPERATING FORCES	**25,637**	**25,637**
	TOTAL OPERATION & MAINTENANCE, NAVY RES	**25,637**	**25,637**
	OPERATION & MAINTENANCE, MC RESERVE		
	OPERATING FORCES		
010	*OPERATING FORCES*	2,550	2,550
040	*BASE OPERATING SUPPORT*	795	795
	SUBTOTAL OPERATING FORCES	**3,345**	**3,345**
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	**3,345**	**3,345**
	OPERATION & MAINTENANCE, AIR FORCE		
	OPERATING FORCES		
010	*PRIMARY COMBAT FORCES*	166,274	166,274

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	Conference Authorized
020	COMBAT ENHANCEMENT FORCES	1,492,580	1,492,580
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	110,237	110,237
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	209,996	209,996
050	FACILITIES SUSTAINMENT	92,412	92,412
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,289,693	1,289,693
070	FLYING HOUR PROGRAM	2,355,264	2,355,264
080	BASE SUPPORT	1,141,718	1,141,718
090	GLOBAL C3I AND EARLY WARNING	13,537	13,537
100	OTHER COMBAT OPS SPT PROGRAMS	224,713	224,713
110	CYBERSPACE ACTIVITIES	17,353	17,353
120	TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	36,098	36,098
130	LAUNCH FACILITIES	385	385
140	SPACE CONTROL SYSTEMS	38,966	38,966
170	US NORTHCOM/NORAD	725	725
180	US STRATCOM	2,056	2,056
190	US CYBERCOM	35,189	35,189
200	US CENTCOM	162,691	162,691
210	US SOCOM	19,000	19,000
	SUBTOTAL OPERATING FORCES	**7,408,887**	**7,408,887**
	MOBILIZATION		
230	AIRLIFT OPERATIONS	1,287,659	1,287,659
240	MOBILIZATION PREPAREDNESS	107,064	107,064
	SUBTOTAL MOBILIZATION	**1,394,723**	**1,394,723**
	TRAINING AND RECRUITING		
280	OFFICER ACQUISITION	300	300
290	RECRUIT TRAINING	340	340
330	SPECIALIZED SKILL TRAINING	25,327	25,327
340	FLIGHT TRAINING	844	844
350	PROFESSIONAL DEVELOPMENT EDUCATION	1,199	1,199
360	TRAINING SUPPORT	1,320	1,320
	SUBTOTAL TRAINING AND RECRUITING	**29,330**	**29,330**
	ADMIN & SRVWD ACTIVITIES		
430	LOGISTICS OPERATIONS	154,485	154,485
440	TECHNICAL SUPPORT ACTIVITIES	13,608	13,608
480	ADMINISTRATION	4,814	4,814
490	SERVICEWIDE COMMUNICATIONS	131,123	131,123
500	OTHER SERVICEWIDE ACTIVITIES	97,471	97,471
540	INTERNATIONAL SUPPORT	240	240
545	CLASSIFIED PROGRAMS	51,108	51,108
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**452,849**	**452,849**
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	**9,285,789**	**9,285,789**
	OPERATION & MAINTENANCE, AF RESERVE		
	OPERATING FORCES		
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	51,000	51,000
060	BASE SUPPORT	9,500	9,500
	SUBTOTAL OPERATING FORCES	**60,500**	**60,500**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)			
Line	*Item*	*FY 2019 Request*	*Conference Authorized*
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	***60,500***	***60,500***
	OPERATION & MAINTENANCE, ANG		
	OPERATING FORCES		
020	*MISSION SUPPORT OPERATIONS*	*3,560*	*3,560*
060	*BASE SUPPORT*	*12,310*	*12,310*
	SUBTOTAL OPERATING FORCES	***15,870***	***15,870***
	TOTAL OPERATION & MAINTENANCE, ANG	***15,870***	***15,870***
	OPERATION AND MAINTENANCE, DEFENSE-WIDE		
	OPERATING FORCES		
010	*JOINT CHIEFS OF STAFF*	*28,671*	*28,671*
040	*SPECIAL OPERATIONS COMMAND/OPERATING FORCES*	*3,733,161*	*3,733,161*
	SUBTOTAL OPERATING FORCES	***3,761,832***	***3,761,832***
	ADMIN & SRVWIDE ACTIVITIES		
100	*DEFENSE CONTRACT AUDIT AGENCY*	*1,781*	*1,781*
110	*DEFENSE CONTRACT MANAGEMENT AGENCY*	*21,723*	*21,723*
130	*DEFENSE INFORMATION SYSTEMS AGENCY*	*111,702*	*111,702*
150	*DEFENSE LEGAL SERVICES AGENCY*	*127,023*	*127,023*
170	*DEFENSE MEDIA ACTIVITY*	*14,377*	*14,377*
190	*DEFENSE SECURITY COOPERATION AGENCY*	*2,208,442*	*1,458,442*
	Coalition Support Funds		*[–550,000]*
	Transfer of funds to Ukraine Security Assistance fund		*[–200,000]*
230	*DEFENSE THREAT REDUCTION AGENCY*	*302,250*	*302,250*
250	*DEPARTMENT OF DEFENSE EDUCATION ACTIVITY*	*31,620*	*31,620*
290	*OFFICE OF THE SECRETARY OF DEFENSE*	*16,579*	*16,579*
310	*WASHINGTON HEADQUARTERS SERVICES*	*7,766*	*7,766*
315	*CLASSIFIED PROGRAMS*	*1,944,813*	*1,944,813*
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	***4,788,076***	***4,038,076***
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	***8,549,908***	***7,799,908***
	UKRAINE SECURITY ASSISTANCE		
	UKRAINE SECURITY ASSISTANCE		
010	*UKRAINE SECURITY ASSISTANCE*		*250,000*
	Program increase for defensive lethal assistance		*[50,000]*
	Transfer of funds from the Defense Security Cooperation Agency		*[200,000]*
	SUBTOTAL UKRAINE SECURITY ASSISTANCE		***250,000***
	TOTAL UKRAINE SECURITY ASSISTANCE		***250,000***
	TOTAL OPERATION & MAINTENANCE	***48,782,670***	***48,739,370***

TITLE XLIV—MILITARY PERSONNEL

Sec. 4401. Military personnel.
Sec. 4402. Military personnel for overseas contingency operations.

SEC. 4401. MILITARY PERSONNEL.

SEC. 4401. MILITARY PERSONNEL (In Thousands of Dollars)		
Item	**FY 2019 Request**	**Conference Authorized**
Military Personnel Appropriations	***140,689,301***	***139,524,021***
Foreign Currency adjustments		*[–133,000]*
Historical unobligated balances		*[–1,308,500]*
JROTC program increase		*[1,220]*
Permanently reverse BAH reduction for Military Housing Privatization Initiative		*[275,000]*
Medicare-Eligible Retiree Health Fund Contributions	***7,533,090***	***7,533,090***
Total, Military Personnel	***148,222,391***	***147,057,111***

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)		
Item	**FY 2019 Request**	**Conference Authorized**
Military Personnel Appropriations	***4,660,661***	***4,660,661***
Total, Military Personnel Appropriations	***4,660,661***	***4,660,661***

TITLE XLV—OTHER AUTHORIZATIONS

Sec. 4501. Other authorizations.
Sec. 4502. Other authorizations for overseas contingency operations.

SEC. 4501. OTHER AUTHORIZATIONS.

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)		
Program Title	**FY 2019 Request**	**Conference Authorized**
WORKING CAPITAL FUND, ARMY		
ARMY ARSENALS INITIATIVE	*59,002*	*59,002*
ARMY SUPPLY MANAGEMENT	*99,763*	*99,763*
TOTAL WORKING CAPITAL FUND, ARMY	***158,765***	***158,765***
WORKING CAPITAL FUND, AIR FORCE		
SUPPLY MANAGEMENT	*69,054*	*69,054*
TOTAL WORKING CAPITAL FUND, AIR FORCE	***69,054***	***69,054***
WORKING CAPITAL FUND, DEFENSE-WIDE		
SUPPLY CHAIN MANAGEMENT—DEFENSE	*48,096*	*48,096*
TOTAL WORKING CAPITAL FUND, DEFENSE-WIDE	***48,096***	***48,096***
WORKING CAPITAL FUND, DECA		
COMMISSARY OPERATIONS	*1,266,200*	*1,266,200*
TOTAL WORKING CAPITAL FUND, DECA	***1,266,200***	***1,266,200***
CHEM AGENTS & MUNITIONS DESTRUCTION		
OPERATION & MAINTENANCE	*105,997*	*105,997*
RDT&E	*886,728*	*886,728*
PROCUREMENT	*1,091*	*1,091*

SEC. 4501. OTHER AUTHORIZATIONS
(In Thousands of Dollars)

Program Title	FY 2019 Request	Conference Authorized
TOTAL CHEM AGENTS & MUNITIONS DESTRUCTION	**993,816**	**993,816**
DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF		
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	547,171	547,171
DRUG DEMAND REDUCTION PROGRAM	117,900	117,900
NATIONAL GUARD COUNTER-DRUG PROGRAM	117,178	137,178
Combatting opioid trafficking and abuse		[20,000]
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	5,276	5,276
TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF	**787,525**	**807,525**
OFFICE OF THE INSPECTOR GENERAL		
OPERATION & MAINTENANCE	327,611	327,611
RDT&E	1,602	1,602
PROCUREMENT	60	60
TOTAL OFFICE OF THE INSPECTOR GENERAL	**329,273**	**329,273**
DEFENSE HEALTH PROGRAM		
IN-HOUSE CARE	9,738,569	9,698,569
Other costs excess growth		[–16,000]
Pharmaceuticals excess growth		[–24,000]
PRIVATE SECTOR CARE	15,103,735	15,103,735
CONSOLIDATED HEALTH SUPPORT	2,107,961	2,107,961
INFORMATION MANAGEMENT	2,039,878	2,039,878
MANAGEMENT ACTIVITIES	307,629	307,629
EDUCATION AND TRAINING	756,778	759,278
Specialized medical pilot program		[2,500]
BASE OPERATIONS/COMMUNICATIONS	2,090,845	2,090,845
RESEARCH	11,386	11,386
EXPLORATRY DEVELOPMENT	75,010	75,010
ADVANCED DEVELOPMENT	275,258	275,258
DEMONSTRATION/VALIDATION	117,529	117,529
ENGINEERING DEVELOPMENT	151,985	161,985
FDA approved devices to detect and monitor traumatic brain injury		[10,000]
MANAGEMENT AND SUPPORT	63,755	63,755
CAPABILITIES ENHANCEMENT	15,714	15,714
INITIAL OUTFITTING	33,056	33,056
REPLACEMENT & MODERNIZATION	343,424	343,424
DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION	496,680	496,680
UNDISTRIBUTED		–365,500
Historical unobligated balances		[–365,500]
TOTAL DEFENSE HEALTH PROGRAM	**33,729,192**	**33,336,192**
TOTAL OTHER AUTHORIZATIONS	**37,381,921**	**37,008,921**

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Program Title	FY 2019 Request	Conference Authorized
WORKING CAPITAL FUND, ARMY		
ARMY SUPPLY MANAGEMENT	6,600	6,600
TOTAL WORKING CAPITAL FUND, ARMY	**6,600**	**6,600**
WORKING CAPITAL FUND, AIR FORCE		
SUPPLY MANAGEMENT	8,590	8,590
TOTAL WORKING CAPITAL FUND, AIR FORCE	**8,590**	**8,590**
DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF		
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	153,100	153,100
TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF	**153,100**	**153,100**
OFFICE OF THE INSPECTOR GENERAL		
OPERATION & MAINTENANCE	24,692	24,692
TOTAL OFFICE OF THE INSPECTOR GENERAL	**24,692**	**24,692**
DEFENSE HEALTH PROGRAM		
IN-HOUSE CARE	72,627	72,627
PRIVATE SECTOR CARE	277,066	277,066
CONSOLIDATED HEALTH SUPPORT	2,375	2,375
TOTAL DEFENSE HEALTH PROGRAM	**352,068**	**352,068**
TOTAL OTHER AUTHORIZATIONS	**545,050**	**545,050**

TITLE XLVI—MILITARY CONSTRUCTION

Sec. 4601. Military construction.
Sec. 4602. Military construction for overseas contingency operations.

SEC. 4601. MILITARY CONSTRUCTION.

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
	Alabama			
Army	Anniston Army Depot	Weapon Maintenance Shop	5,200	5,200
	California			
Army	Fort Irwin	Multipurpose Range Complex	29,000	29,000
	Colorado			
Army	Fort Carson	Vehicle Maintenance Shop	77,000	77,000
	Georgia			
Army	Fort Gordon	Cyber Instructional Fac and Network Ctr	99,000	99,000
	Germany			
Army	East Camp Grafenwoehr	Mission Training Complex	31,000	31,000
	Hawaii			
Army	Fort Shafter	Command and Control Facility, Incr 4	105,000	105,000
Army	Wheeler Army Airfield	Rotary Wing Parking Apron	0	50,000
	Honduras			
Army	Soto Cano Air Base	Barracks	21,000	21,000
	Indiana			

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Army	Crane Army Ammunition Plant	Railcar Holding Area	16,000	16,000
	Kentucky			
Army	Fort Campbell	Microgird and Power Plant	0	18,000
Army	Fort Campbell	Vehicle Maintenance Shop	32,000	32,000
Army	Fort Knox	Digital Air/Ground Integration Range	26,000	26,000
	Korea			
Army	Camp Tango	Command and Control Facility	17,500	17,500
	Kuwait			
Army	Camp Arifjan	Vehicle Maintenance Shop	44,000	44,000
	Maryland			
Army	Fort Meade	Cantonment Area Roads	0	16,500
	New Jersey			
Army	Picatinny Arsenal	Munitions Disassembly Complex	41,000	41,000
	New Mexico			
Army	White Sands Missile Range	Information Systems Facility	40,000	40,000
	New York			
Army	U.S. Military Academy	Engineering Center	95,000	95,000
Army	U.S. Military Academy	Parking Structure	65,000	65,000
	North Carolina			
Army	Fort Bragg	Dining Facility	10,000	10,000
	South Carolina			
Army	Fort Jackson	Trainee Barracks Complex 3, Ph2	52,000	52,000
	Texas			
Army	Fort Bliss	Supply Support Activity	24,000	24,000
Army	Fort Hood	Supply Support Activity	0	9,600
	Virginia			
Army	Arlington National Cemetery	Arlington National Cemetery (DAR)	0	30,000
	Worldwide Unspecified			
Army	Unspecified Worldwide Locations	Force Protection and Safety	0	35,000
Army	Unspecified Worldwide Locations	Host Nation Support	34,000	34,000
Army	Unspecified Worldwide Locations	Planning and Design	5,000	5,000
Army	Unspecified Worldwide Locations	Planning and Design	71,068	71,068
Army	Unspecified Worldwide Locations	Unspecified Minor Construction	72,000	72,000
Military Construction, Army Total			**1,011,768**	**1,170,868**
	Arizona			
Navy	Camp Navajo	Missile Motor Magazines and U&SI	0	14,800
	Bahamas			
Navy	Andros Island	AUTEC Austere Quarters	31,050	31,050
	Bahrain			
Navy	SW Asia	Fleet Maintenance Facility & TOC	26,340	26,340
	California			
Navy	Camp Pendleton	62 Area Mess Hall & Consolidated Warehouse.	0	0
Navy	Camp Pendleton	AAV-ACV Maintenance & Warehouse Facility.	49,410	49,410
Navy	Camp Pendleton	Electrical Upgrades	4,020	4,020

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Navy	Camp Pendleton	Full Motion Trainer Facility	10,670	10,670
Navy	Camp Pendleton	Potable Water Distribution Improvements.	47,230	47,230
Navy	Camp Pendleton	Supply Warehouse SOI-West	0	16,600
Navy	Marine Corps Air Station Miramar	Airfield Security Improvements	11,500	11,500
Navy	Marine Corps Air Station Miramar	F–35 Vertical Landing Pads and Taxiway.	20,480	20,480
Navy	Naval Air Station Lemoore	Communications Line Ops to Admin	0	14,900
Navy	Naval Air Station Lemoore	F–35 Maintenance Hangar	112,690	112,690
Navy	Naval Base Coronado	Aircraft Paint Complex	0	0
Navy	Naval Base Coronado	CMV–22B Airfield Improvements	77,780	77,780
Navy	Naval Base San Diego	Harbor Drive Switching Station	48,440	48,440
Navy	Naval Base San Diego	LCS Mission Module Readiness Center	0	19,500
Navy	Naval Base San Diego	Pier 8 Replacement	108,100	48,747
Navy	Naval Base Ventura	Directed Energy Systems Intergration Lab.	22,150	22,150
Navy	Naval Base Ventura	Missile Assembly Build & High Explosive Mag.	31,010	31,010
Navy	Naval Weapons Station Seal Beach	Causeway, Boat Channel & Turning Basin.	117,830	77,830
Navy	Naval Weapons Station Seal Beach	Missile Magazines	0	21,800
	Cuba			
Navy	Naval Station Guantanamo Bay	Consolidated Fire Station	0	19,700
Navy	Naval Station Guantanamo Bay	Solid Waste Management Facility	85,000	85,000
	District of Columbia			
Navy	Naval Observatory	Master Time Clocks & Operations Facility.	115,600	40,000
	Florida			
Navy	Naval Air Station Whiting Field	Air Traffic Control Tower (North Field)	0	10,000
Navy	Naval Station Mayport	LCS Operational Training Facility Addition.	29,110	29,110
Navy	Naval Station Mayport	LCS Support Facility	82,350	82,350
	Georgia			
Navy	Marine Corps Base Albany	Welding and Body Repair Shop Facility	0	31,900
	Germany			
Navy	Panzer Kaserne	MARFOREUR HQ Modernization and Expansion.	43,950	43,950
	Guam			
Navy	Joint Region Marianas	ACE Gym & Dining	27,910	27,910
Navy	Joint Region Marianas	Earth Covered Magazines	52,270	52,270
Navy	Joint Region Marianas	Machine Gun Range	141,287	70,000

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Navy	Joint Region Marianas	Ordnance Ops	22,020	22,020
Navy	Joint Region Marianas	Unaccompanied Enlisted Housing	36,170	36,170
Navy	Naval Base Guam	X-Ray Wharf Improvements (Berth 2)	0	75,600
	Hawaii			
Navy	Joint Base Pearl Harbor-Hickam	Drydock Waterfront Facility	45,000	45,000
Navy	Joint Base Pearl Harbor-Hickam	Water Transmission Line	78,320	78,320
Navy	Marine Corps Base Hawaii	Corrosion Control Hangar	66,100	66,100
	Japan			
Navy	Kadena Air Base	Tactical Operations Center	9,049	9,049
	Maine			
Navy	Portsmouth Naval Yard	Dry Dock #1 Superflood Basin	109,960	71,400
Navy	Portsmouth Naval Yard	Extend Portal Crane Rail	39,725	39,725
	Mississippi			
Navy	Naval Construction Battalion Center	Expeditionary Combat Skills Student Berthing.	0	22,300
	North Carolina			
Navy	Camp Lejeune	2nd Radio BN Complex, Phase 2	0	51,300
Navy	Marine Corps Air Station Cherry Point	Aircraft Maintenance Hangar	133,970	60,000
Navy	Marine Corps Air Station Cherry Point	Flightline Utility Modernization	106,860	55,000
	Pennsylvania			
Navy	Naval Support Activity Philadelphia	Submarine Propulsor Manufacturing Support Fac.	71,050	71,050
	South Carolina			
Navy	Marine Corps Air Station Beaufort	Cryogenics Facility	0	6,300
Navy	Marine Corps Air Station Beaufort	Recycling/Hazardous Waste Facility	9,517	9,517
Navy	Marine Corps Recruit Depot, Parris Island	Range Improvements & Modernization, Phase 2.	35,190	35,190
	Utah			
Navy	Hill Air Force Base	D5 Missile Motor Receipt/Storage Facility.	105,520	55,000
	Virginia			
Navy	Marine Corps Base Quantico	Ammunition Supply Point Upgrade, Phase 2.	0	13,100
Navy	Marine Corps Base Quantico	TBS Fire Station	21,980	0
Navy	Portsmouth	Ships Maintenance Facility	26,120	26,120
	Washington			
Navy	Bangor	Pier and Maintenance Facility	88,960	88,960
Navy	Naval Air Station Whidbey Island	Fleet Support Facility	19,450	19,450
Navy	Naval Air Station Whidbey Island	Next Generation Jammer Facility	7,930	7,930
	Worldwide Unspecified			

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Navy	Unspecified Worldwide Locations	Force Protection and Safety	0	35,000
Navy	Unspecified Worldwide Locations	Planning and Design	185,542	185,542
Navy	Unspecified Worldwide Locations	Unspecified Minor Construction	28,579	28,579
Military Construction, Navy Total			**2,543,189**	**2,412,859**
	Alaska			
AF	Eielson Air Force Base	F–35 Aircraft Maintenance Unit Admin Facility.	6,800	6,800
AF	Eielson Air Force Base	F–35 Conventional Munitions Maintenance Fac.	15,500	15,500
AF	Eielson Air Force Base	F–35A CATM Range	19,000	19,000
AF	Eielson Air Force Base	F–35A School Age Facility	22,500	22,500
	Arizona			
AF	Davis-Monthan Air Force Base	Age Facility	0	15,000
AF	Luke Air Force Base	F–35A Aircraft Maintenance Unit Facility.	23,000	23,000
AF	Luke Air Force Base	F–35A Squad Ops #6	17,000	17,000
	Arkansas			
AF	Little Rock Air Force Base	Dormitory - 168 PN	0	0
	Florida			
AF	Eglin Air Force Base	F–35A Integrated Trng Center Academics Bldg.	34,863	34,863
AF	Eglin Air Force Base	F–35A Student Dormitory II	28,000	28,000
AF	Macdill Air Force Base	KC135 Beddown Add Flight Simulator Training.	3,100	3,100
AF	Patrick Air Force Base	Main Gate	0	9,000
	Guam			
AF	Joint Region Marianas	Hayman Munitions Storage Igloos MSA 2.	9,800	9,800
	Louisiana			
AF	Barksdale Air Force Base	Entrance Road and Gate Complex	0	12,250
	Mariana Islands			
AF	Tinian	APR—Cargo Pad with Taxiway Extension.	46,000	46,000
AF	Tinian	APR—Maintenance Support Facility	4,700	4,700
	Maryland			
AF	Joint Base Andrews	Child Development Center	0	13,000
AF	Joint Base Andrews	MWD Facility	0	8,000
AF	Joint Base Andrews	PAR Relocate Haz Cargo Pad and EOD Range.	37,000	37,000
AF	Joint Base Andrews	Presidential Aircraft Recap Complex, Inc. 2.	154,000	129,116
	Massachusetts			
AF	Hanscom Air Force Base	MIT-Lincoln Laboratory (West Lab CSL/MIF).	225,000	105,000
	Nebraska			

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
AF	Offutt Air Force Base	Parking Lot, USSTRATCOM	9,500	9,500
	Nevada			
AF	Creech Air Force Base	MQ–9 CPIP GCS Operations Facility	28,000	28,000
AF	Creech Air Force Base	MQ–9 CPIP Operations & Command Center Fac..	31,000	31,000
AF	Nellis Air Force Base	CRH Simulator	5,900	5,900
	New Mexico			
AF	Holloman Air Force Base	MQ–9 FTU Ops Facility	85,000	85,000
AF	Kirtland Air Force Base	Wyoming Gate Upgrade for Anti-Terrorism Compliance.	0	7,000
	New York			
AF	Rome Lab	Anti-Terrorism Perimeter Security / Entry Control Point.	0	14,200
	North Dakota			
AF	Minot Air Force Base	Consolidated Helo/TRF Ops/AMU and Alert Fac.	66,000	66,000
	Ohio			
AF	Wright-Patterson Air Force Base	ADAL Intelligence Production Complex (NASIC).	116,100	61,000
	Oklahoma			
AF	Altus Air Force Base	KC–46A FTU/FTC Simulator Facility Ph 3.	12,000	12,000
AF	Tinker Air Force Base	KC–46A Depot Fuel Maintenance Hangar.	85,000	85,000
AF	Tinker Air Force Base	KC–46A Depot Maintenance Hangar	81,000	81,000
	Qatar			
AF	Al Udeid	Flightline Support Facilities	30,400	0
AF	Al Udeid	Personnel Deployment Processing Facility.	40,000	0
	South Carolina			
AF	Shaw Air Force Base	CPIP MQ–9 MCE Group	53,000	53,000
	Texas			
AF	Joint Base San Antonio	BMT Recruit Dormitory 6	25,000	25,000
	United Kingdom			
AF	Royal Air Force Lakenheath	F–35A 6 Bay Hangar	39,036	39,036
AF	Royal Air Force Lakenheath	F–35A ADAL Conventional Munitions MX.	9,204	9,204
AF	Royal Air Force Lakenheath	F–35A ADAL Parts Store	13,926	13,926
AF	Royal Air Force Lakenheath	F–35A Age Facility	12,449	12,449
AF	Royal Air Force Lakenheath	F–35A Dorm	29,541	29,541
AF	Royal Air Force Lakenheath	F–35A Fuel System Maintenance Dock 2 Bay.	16,880	16,880
AF	Royal Air Force Lakenheath	F–35A Parking Apron	27,431	27,431
	Utah			
AF	Hill Air Force Base	Composite Aircraft Antenna Calibration Fac.	0	26,000
	Washington			
AF	Fairchild—White Bluff	ADAL JPRA C2 Mission Support Facility.	0	14,000
	Worldwide Classified			

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
AF	Classified Location	TACMOR—Utilities and Infrastructure Support.	18,000	18,000
	Worldwide Unspecified			
AF	Unspecified Worldwide Locations	Force Protection and Safety	0	35,000
AF	Various Worldwide Locations	Planning and Design	206,577	206,577
AF	Various Worldwide Locations	Unspecified Minor Military Construction	38,500	38,500
Military Construction, Air Force Total			**1,725,707**	**1,608,773**
	Alabama			
Def-Wide	Anniston Army Depot	Install Microgrid	0	0
	Alaska			
Def-Wide	Clear Air Force Station	Long Range Discrim Radar Sys Complex Ph2.	174,000	130,000
Def-Wide	Fort Greely	Missile Field #1 Expansion	8,000	8,000
Def-Wide	Joint Base Elmendorf-Richardson	Operations Facility Replacement	14,000	14,000
	Arkansas			
Def-Wide	Little Rock Air Force Base	Hydrant Fuel System Alterations	14,000	14,000
	Belgium			
Def-Wide	Chievres Air Base	Europe West District Superintendent's Office.	14,305	14,305
	California			
Def-Wide	Camp Pendleton	SOF EOD Facility—West	3,547	3,547
Def-Wide	Camp Pendleton	SOF Human Performance Training Center-West.	9,049	9,049
Def-Wide	Defense Distribution Depot-Tracy	Main Access Control Point Upgrades	18,800	18,800
Def-Wide	Naval Base Coronado	SOF ATC Applied Instruction Facility	14,819	14,819
Def-Wide	Naval Base Coronado	SOF ATC Training Facility	18,329	18,329
Def-Wide	Naval Base Coronado	SOF Close Quarters Combat Facility	12,768	12,768
Def-Wide	Naval Base Coronado	SOF NSWG–1 Operations Support Facility.	25,172	25,172
Def-Wide	NB Ventura County	SNI Energy Storage System	0	0
	Colorado			
Def-Wide	Fort Carson	SOF Human Performance Training Center.	15,297	15,297
Def-Wide	Fort Carson	SOF Mountaineering Facility	9,000	9,000
	CONUS Classified			
Def-Wide	Classified Location	Battalion Complex, Ph2	49,222	49,222
	Cuba			
Def-Wide	Naval Base Guantanamo Bay	Working Dog Treatment Facility Replacement.	9,080	9,080
	Djibouti			
Def-Wide	Camp Lemonnier	ECIP-Install PV Ground Array	0	0
	Germany			
Def-Wide	Baumholder	SOF Joint Parachute Rigging Facility	11,504	11,504
Def-Wide	Kaiserlautern Air Base	Kaiserslautern Middle School	99,955	99,955
Def-Wide	Rhine Ordnance Barracks	Medical Center Replacement Inc. 8	319,589	319,589

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Def-Wide	Weisbaden	Clay Kaserne Elementary School	56,048	56,048
	Greece			
Def-Wide	NSA Souda Bay	Energy Management Control Systems (EMCS).	0	0
	Guam			
Def-Wide	Naval Base Guam	P–691 NBG 74 Facilities Automated Controls.	0	0
	Hawaii			
Def-Wide	Bellows AFB	Expand PV and Provide Energy Resilience to Fire Crash Rescue.	0	0
	Japan			
Def-Wide	Camp McTureous	Bechtel Elementary School	94,851	94,851
Def-Wide	Iwakuni	Fuel Pier	33,200	33,200
Def-Wide	Kadena Air Base	Truck Unload Facilities	21,400	21,400
Def-Wide	Yokosuka	Kinnick High School	170,386	40,000
	Kansas			
Def-Wide	Salina Training Center	PV/Water Conservation & Energy Resilience.	0	0
	Kentucky			
Def-Wide	Fort Campbell	Ft Campbell Middle School	62,634	62,634
Def-Wide	Fort Campbell	SOF Air/Ground Integ. Urban Live Fire Range.	9,091	9,091
Def-Wide	Fort Campbell	SOF Logistics Support Operations Facility.	5,435	5,435
Def-Wide	Fort Campbell	SOF Multi-Use Helicopter Training Facility.	5,138	5,138
	Louisiana			
Def-Wide	JRB NAS New Orleans	Distribution Switchgear	0	0
	Maine			
Def-Wide	Kittery	Consolidated Warehouse Replacement	11,600	11,600
	Maryland			
Def-Wide	Fort Meade	Mission Support Operations Warehouse Facility.	30,000	30,000
Def-Wide	Fort Meade	NSAW Recapitalize Building #2 Inc 4	218,000	218,000
Def-Wide	Fort Meade	NSAW Recapitalize Building #3 Inc 1	99,000	99,000
	Missouri			
Def-Wide	St Louis	Next NGA West (N2W) Complex Phase 1 Inc. 2.	213,600	181,000
Def-Wide	St Louis	Next NGA West (N2W) Complex Phase 2 Inc. 1.	110,000	110,000
	New Jersey			
Def-Wide	Joint Base McGuire-Dix-Lakehurst	Hot Cargo Hydrant System Replacement	10,200	10,200
	North Carolina			
Def-Wide	Fort Bragg	SOF Replace Training Maze and Tower	12,109	12,109
Def-Wide	Fort Bragg	SOF SERE Resistance Training Lab. Complex.	20,257	20,257
Def-Wide	New River	Amb Care Center/Dental Clinic Replacement.	32,580	32,580
	Oklahoma			
Def-Wide	McAlester	Bulk Diesel System Replacement	7,000	7,000
	South Carolina			
Def-Wide	MCAS Beaufort	Electrical Hardening and Black Start CHP System.	0	0
	Texas			
Def-Wide	Camp Mabry	Install Microgrid	0	0
Def-Wide	Joint Base San Antonio	Energy Aerospace Operations Facility	10,200	10,200
Def-Wide	Red River Army Depot	General Purpose Warehouse	71,500	71,500
	United Kingdom			
Def-Wide	Croughton RAF	Ambulatory Care Center Addition/Alteration.	10,000	0

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
	Virginia			
Def-Wide	Fort A.P. Hill	Training Campus	11,734	11,734
Def-Wide	Fort Belvoir	Human Performance Training Center	6,127	6,127
Def-Wide	Humphreys Engineer Center	Maintenance and Supply Facility	20,257	20,257
Def-Wide	Joint Base Langley-Eustis	Fuel Facilities Replacement	6,900	6,900
Def-Wide	Joint Base Langley-Eustis	Ground Vehicle Fueling Facility Replacement.	5,800	5,800
Def-Wide	NAS Oceana	Super Flight Line Electrical Distribtion System (FLEDS).	0	0
Def-Wide	Pentagon	Exterior Infrastruc. & Security Improvements.	23,650	23,650
Def-Wide	Pentagon	North Village VACP & Fencing	12,200	12,200
Def-Wide	Traning Center Dam Neck	SOF Magazines	8,959	8,959
	Washington			
Def-Wide	Joint Base Lewis-McChord	Refueling Facility	26,200	26,200
	Worldwide Unspecified			
Def-Wide	Unspecified Worldwide Locations	Contingency Construction	10,000	0
Def-Wide	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog..	150,000	193,390
Def-Wide	Unspecified Worldwide Locations	ERCIP Design	10,000	15,000
Def-Wide	Unspecified Worldwide Locations	Exercise Related Minor Construction	12,479	12,479
Def-Wide	Unspecified Worldwide Locations	Planning and Design	55,925	55,925
Def-Wide	Unspecified Worldwide Locations	Planning and Design	496	496
Def-Wide	Unspecified Worldwide Locations	Planning and Design	2,036	2,036
Def-Wide	Unspecified Worldwide Locations	Planning and Design	14,300	14,300
Def-Wide	Unspecified Worldwide Locations	Planning and Design	14,184	6,184
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction	5,000	5,000
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction	10,000	10,000
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction	13,642	13,642
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction	3,000	3,000
Def-Wide	Various Worldwide Locations	Planning & Design	42,705	42,705
Def-Wide	Various Worldwide Locations	Planning and Design	55,699	55,699

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Def-Wide	Various Worldwide Locations	Unspecified Minor Construction	17,366	17,366
Military Construction, Defense-Wide Total			**2,693,324**	**2,506,728**
	Worldwide Unspecified			
NATO	NATO Security Investment Program	NATO Security Investment Program	171,064	171,064
NATO Security Investment Program Total			**171,064**	**171,064**
	Alaska			
Army NG	Joint Base Elmendorf-Richardson	United States Property & Fiscal Office	27,000	27,000
	Illinois			
Army NG	Marseilles Training Center	Automated Record Fire Range	5,000	5,000
	Montana			
Army NG	Malta	National Guard Readiness Center	15,000	15,000
	Nevada			
Army NG	North Las Vegas	National Guard Readiness Center	32,000	32,000
	New Hampshire			
Army NG	Pembroke	National Guard Readiness Center	12,000	12,000
	North Dakota			
Army NG	Fargo	National Guard Readiness Center	32,000	32,000
	Ohio			
Army NG	Camp Ravenna	Automated Multipurpose Machine Gun Range.	7,400	7,400
	Oklahoma			
Army NG	Lexington	Aircraft Vehicle Storage Building	0	11,000
	Oregon			
Army NG	Boardman	Tactical Unmanned Aerial Vehicle Hangar.	0	11,000
	South Dakota			
Army NG	Rapid City	National Guard Readiness Center	15,000	15,000
	Texas			
Army NG	Houston	Unheated Vehicle Storage (Aircraft)	0	0
	Virginia			
Army NG	Sandston	Army Aviation Support Facility	0	0
	Worldwide Unspecified			
Army NG	Unspecified Worldwide Locations	Planning and Design	16,622	16,622
Army NG	Unspecified Worldwide Locations	Unspecified Minor Construction	18,100	18,100
Military Construction, Army National Guard Total			**180,122**	**202,122**
	California			
Army Res	Barstow	ECS Modified TEMF / Warehouse	34,000	34,000
	Washington			
Army Res	Yakima Training Center	ECS Modified TEMF	0	23,000
	Wisconsin			
Army Res	Fort McCoy	Transient Training Barracks	23,000	23,000
	Worldwide Unspecified			
Army Res	Unspecified Worldwide Locations	Planning and Design	5,855	5,855

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Army Res	Unspecified Worldwide Locations	Unspecified Minor Construction	2,064	2,064
Military Construction, Army Reserve Total			**64,919**	**87,919**
	California			
N/MC Res	Naval Weapons Station Seal Beach	Reserve Training Center	21,740	21,740
	Georgia			
N/MC Res	Fort Benning	Reserve Training Center	13,630	13,630
	Worldwide Unspecified			
N/MC Res	Unspecified Worldwide Locations	Planning & Design	4,695	4,695
N/MC Res	Unspecified Worldwide Locations	Unspecified Minor Construction	3,000	3,000
Military Construction, Naval Reserve Total			**43,065**	**43,065**
	California			
Air NG	Channel Islands Air National Guard Station	Construct C–130J Flight Simulator Facility.	8,000	8,000
	Hawaii			
Air NG	Joint Base Pearl Harbor-Hickam	Construct Addition to F–22 LO/CRF B3408.	17,000	17,000
	Illinois			
Air NG	Greater Peoria Regional Airport	Construct New Fire Crash/Rescue Station.	9,000	9,000
	Louisiana			
Air NG	Naval Air Station Joint Reserve Base New Orleans	NORTHCOM—Construct Alert Facilities	0	24,000
Air NG	Naval Air Station Joint Reserve Base New Orleans	NORTHCOM—Construct Alert Apron	15,000	15,000
	Minnesota			
Air NG	Duluth International Airport	Construct Small Arms Range	0	8,000
	Montana			
Air NG	Great Falls International Airport	Construct Aircraft Apron	0	9,000
	New York			
Air NG	Francis S. Gabreski Airport	Security Forces/Comm.Training Facility	20,000	20,000
	Ohio			
Air NG	Mansfield Lahm Airport	Replace Fire Station	0	13,000
Air NG	Rickenbacker International Airport	Construct Small Arms Range	0	8,000
	Pennsylvania			
Air NG	Fort Indiantown Gap	Replace Operations Training/Dining Hall.	8,000	8,000
	Puerto Rico			

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Air NG	Luis Munoz Marin International	Hurricane Maria—Communications Facility.	0	0
Air NG	Luis Munoz Marin International Airport	Hurricane Maria—Maintenance Hangar	0	0
	Virginia			
Air NG	Joint Base Langley-Eustis	Construct Cyber Ops Facility	10,000	10,000
	Worldwide Unspecified			
Air NG	Unspecified Worldwide Locations	Unspecified Minor Construction	23,626	23,626
Air NG	Various Worldwide Locations	Planning and Design	18,500	18,500
Military Construction, Air National Guard Total			**129,126**	**191,126**
	Florida			
AF Res	Patrick Air Force Base	HC–130J Mx Hanger	0	24,000
	Indiana			
AF Res	Grissom Air Reserve Base	Add/Alter Aircraft Maintenance Hangar	12,100	12,100
AF Res	Grissom Air Reserve Base	Aerial Port Facility	0	9,400
	Massachusetts			
AF Res	Westover Air Reserve Base	Regional ISO Mx Hanger	0	42,600
	Minnesota			
AF Res	Minneapolis-St Paul International Airport	Small Arms Range	9,000	0
	Mississippi			
AF Res	Keesler Air Force Base	Aeromedical Staging Squadron Facility	4,550	4,550
	New York			
AF Res	Niagara Falls International Airport	Physical Fitness Center	14,000	14,000
	Ohio			
AF Res	Youngstown Air Reserve Station	Relocation Main Gate	0	8,800
	Texas			
AF Res	Naval Air Station Joint Reserve Base Fort Worth	Munitions Training/Admin Facility	3,100	0
	Worldwide Unspecified			
AF Res	Unspecified Worldwide Locations	Planning & Design	4,055	4,055
AF Res	Unspecified Worldwide Locations	Unspecified Minor Construction	3,358	3,358
Military Construction, Air Force Reserve Total			**50,163**	**122,863**
	Germany			
FH Con Army	Baumholder	Family Housing Improvements	32,000	32,000
	Italy			
FH Con Army	Vicenza	Family Housing New Construction	95,134	95,134
	Korea			

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
FH Con Army	Camp Humphreys	Family Housing New Construction Incr 3	85,000	85,000
FH Con Army	Camp Walker	Family Housing Replacement Construction.	68,000	68,000
	Puerto Rico			
FH Con Army	Fort Buchanan	Family Housing Replacement Construction.	26,000	26,000
	Wisconsin			
FH Con Army	Fort McCoy	Family Housing New Construction	6,200	6,200
	Worldwide Unspecified			
FH Con Army	Unspecified Worldwide Locations	Family Housing P & D	18,326	18,326
Family Housing Construction, Army Total			**330,660**	**330,660**
	Worldwide Unspecified			
FH Ops Army	Unspecified Worldwide Locations	Furnishings	15,842	15,842
FH Ops Army	Unspecified Worldwide Locations	Housing Privatization Support	18,801	18,801
FH Ops Army	Unspecified Worldwide Locations	Leasing	161,252	161,252
FH Ops Army	Unspecified Worldwide Locations	Maintenance	75,530	75,530
FH Ops Army	Unspecified Worldwide Locations	Management	36,302	36,302
FH Ops Army	Unspecified Worldwide Locations	Miscellaneous	408	408
FH Ops Army	Unspecified Worldwide Locations	Services	10,502	10,502
FH Ops Army	Unspecified Worldwide Locations	Utilities	57,872	57,872
Family Housing Operation And Maintenance, Army Total			**376,509**	**376,509**
	Guam			
FH Con Navy	Guam	Joint Region Marianas	83,441	83,441
	Worldwide Unspecified			
FH Con Navy	Unspecified Worldwide Locations	Design, Washington DC	4,502	4,502
FH Con Navy	Unspecified Worldwide Locations	Improvements, Washington DC	16,638	16,638
Family Housing Construction, Navy And Marine Corps Total			**104,581**	**104,581**
	Worldwide Unspecified			
FH Ops Navy	Unspecified Worldwide Locations	Furnishings	16,395	16,395

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
FH Ops Navy	Unspecified Worldwide Locations	Housing Privatization Support	21,767	21,767
FH Ops Navy	Unspecified Worldwide Locations	Leasing	62,515	62,515
FH Ops Navy	Unspecified Worldwide Locations	Maintenance	86,328	86,328
FH Ops Navy	Unspecified Worldwide Locations	Management	50,870	50,870
FH Ops Navy	Unspecified Worldwide Locations	Miscellaneous	148	148
FH Ops Navy	Unspecified Worldwide Locations	Services	16,261	16,261
FH Ops Navy	Unspecified Worldwide Locations	Utilities	60,252	60,252
Family Housing Operation And Maintenance, Navy And Marine Corps Total			**314,536**	**314,536**
	Worldwide Unspecified			
FH Con AF	Unspecified Worldwide Locations	Construction Improvements	75,247	75,247
FH Con AF	Unspecified Worldwide Locations	Planning & Design	3,199	3,199
Family Housing Construction, Air Force Total			**78,446**	**78,446**
	Worldwide Unspecified			
FH Ops AF	Unspecified Worldwide Locations	Furnishings	30,645	30,645
FH Ops AF	Unspecified Worldwide Locations	Housing Privatization Support	22,205	22,205
FH Ops AF	Unspecified Worldwide Locations	Leasing	15,832	15,832
FH Ops AF	Unspecified Worldwide Locations	Maintenance	129,763	129,763
FH Ops AF	Unspecified Worldwide Locations	Management	54,423	54,423
FH Ops AF	Unspecified Worldwide Locations	Miscellaneous	2,171	2,171
FH Ops AF	Unspecified Worldwide Locations	Services	13,669	13,669
FH Ops AF	Unspecified Worldwide Locations	Utilities	48,566	48,566
Family Housing Operation And Maintenance, Air Force Total			**317,274**	**317,274**

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
	Worldwide Unspecified			
FH Ops DW	Unspecified Worldwide Locations	Furnishings	1	1
FH Ops DW	Unspecified Worldwide Locations	Furnishings	643	643
FH Ops DW	Unspecified Worldwide Locations	Furnishings	416	416
FH Ops DW	Unspecified Worldwide Locations	Leasing	13,046	13,046
FH Ops DW	Unspecified Worldwide Locations	Leasing	38,232	38,232
FH Ops DW	Unspecified Worldwide Locations	Maintenance	121	121
FH Ops DW	Unspecified Worldwide Locations	Maintenance	1,542	1,542
FH Ops DW	Unspecified Worldwide Locations	Management	155	155
FH Ops DW	Unspecified Worldwide Locations	Services	2	2
FH Ops DW	Unspecified Worldwide Locations	Utilities	4,100	4,100
FH Ops DW	Unspecified Worldwide Locations	Utilities	106	106
FH Ops DW	Unspecified Worldwide Locations	Utilities	9	9
Family Housing Operation And Maintenance, Defense-Wide Total			**58,373**	**58,373**
	Worldwide Unspecified			
FHIF	Unspecified Worldwide Locations	Administrative Expenses—FHIF	1,653	1,653
DOD Family Housing Improvement Fund Total			**1,653**	**1,653**
	Worldwide Unspecified			
UHIF	Unaccompanied Housing Improvement Fund	Administrative Expenses—UHIF	600	600
Unaccompanied Housing Improvement Fund Total			**600**	**600**
	Worldwide Unspecified			
BRAC	Unspecified Worldwide Locations	Base Realignment and Closure	62,796	80,906

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2019 Request	Conference Authorized
Base Realignment and Closure—Army Total			**62,796**	**80,906**
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment and Closure	151,839	170,949
Base Realignment and Closure—Navy Total			**151,839**	**170,949**
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment and Closure	52,903	71,013
Base Realignment and Closure—Air Force Total			**52,903**	**71,013**
PYS	Prior Year Savings Prior Year Savings	Prior Year Savings	0	–83,296
Prior Year Savings Total			**0**	**–83,296**
Total, Military Construction			**10,462,617**	**10,339,591**

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Service	State/Country and Installation	Project	FY 2019 Request	Conference Authorized
	Bulgaria			
Army	Nevo Selo FOS	EDI: Ammunition Holding Area	5,200	5,200
	Cuba			
Army	Guantanamo Bay	High Value Detention Facility	69,000	0
	Poland			
Army	Drawsko Pomorski Training Area	EDI: Staging Area	17,000	17,000
Army	Powidz Air Base	EDI: Ammunition Storage Facility	52,000	52,000
Army	Powidz Air Base	EDI: Bulk Fuel Storage	21,000	21,000
Army	Powidz Air Base	EDI: Rail Extension & Railhead	14,000	14,000
Army	Zagan Training Area	EDI: Rail Extension and Railhead	6,400	6,400
Army	Zagan Training Area	EDI: Staging Area	34,000	34,000
	Romania			
Army	Mihail Kogalniceanu FOS	EDI: Explosives & Ammo Load/Unload Apron.	21,651	21,651
	Worldwide Unspecified			
Army	Unspecified Worldwide Locations	EDI: Planning and Design	20,999	20,999
Military Construction, Army Total			**261,250**	**192,250**
	Greece			
Navy	Souda Bay	EDI: Joint Mobility Processing Center	41,650	41,650
Navy	Souda Bay	EDI: Marathi Logistics Support Center	6,200	6,200
	Italy			
Navy	Sigonella	EDI: P–8A Taxiway	66,050	66,050
	Spain			
Navy	Rota	EDI: Port Operations Facilities	21,590	21,590
	United Kingdom			
Navy	Lossiemouth	EDI: P–8 Base Improvements	79,130	79,130

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Service	State/Country and Installation	Project	FY 2019 Request	Conference Authorized
	Worldwide Unspecified			
Navy	Unspecified Worldwide Locations	EDI: Planning and Design	12,700	12,700
Military Construction, Navy Total			**227,320**	**227,320**
	Germany			
AF	Ramstein AB	EDI: KME DABS-FEV/RH Storage Warehouses.	119,000	119,000
	Norway			
AF	Rygge	EDI: Construct Taxiway	13,800	13,800
	Qatar			
AF	Al Udeid	Flight Line Support Facilities	0	30,400
AF	Al Udeid	Personnel Deployment Processing Facility	0	40,000
	Slovakia			
AF	Malacky	EDI: Regional Munitions Storage Area	59,000	59,000
	United Kingdom			
AF	RAF Fairford	EDI: Construct DABS-FEV Storage	87,000	87,000
AF	RAF Fairford	EDI: Munitions Holding Area	19,000	19,000
	Worldwide Unspecified			
AF	Unspecified Worldwide Locations	EDI: Planning & Design Funds	48,000	46,600
Military Construction, Air Force Total			**345,800**	**414,800**
	Estonia			
Def-Wide	Unspecified Estonia	EDI: SOF Operations Facility	6,100	6,100
Def-Wide	Unspecified Estonia	EDI: SOF Training Facility	9,600	9,600
	Qatar			
Def-Wide	Al Udeid	Trans-Regional Logistics Complex	60,000	60,000
	Worldwide Unspecified			
Def-Wide	Unspecified Worldwide Locations	EDI: Planning and Design	7,100	7,100
Def-Wide	Various Worldwide Locations	EDI: Planning and Design	4,250	4,250
Military Construction, Defense-Wide Total			**87,050**	**87,050**
Total, Military Construction			**921,420**	**921,420**

TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Sec. 4701. Department of Energy national security programs.

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS.

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Conference Authorized
Discretionary Summary By Appropriation		
Energy And Water Development, And Related Agencies		
Appropriation Summary:		
Energy Programs		
Nuclear Energy	136,090	136,090
Atomic Energy Defense Activities		
National nuclear security administration:		
Weapons activities	11,017,078	11,192,664
Defense nuclear nonproliferation	1,862,825	1,847,429
Naval reactors	1,788,618	1,788,618

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Conference Authorized
Federal salaries and expenses	422,529	404,529
Total, National nuclear security administration	**15,091,050**	**15,233,240**
Environmental and other defense activities:		
Defense environmental cleanup	5,630,217	5,626,636
Other defense activities	853,300	853,300
Defense nuclear waste disposal	30,000	0
Total, Environmental & other defense activities	**6,513,517**	**6,479,936**
Total, Atomic Energy Defense Activities	**21,604,567**	**21,713,176**
Total, Discretionary Funding	**21,740,657**	**21,849,266**
Nuclear Energy		
Idaho sitewide safeguards and security	136,090	136,090
Total, Nuclear Energy	**136,090**	**136,090**
Weapons Activities		
Directed stockpile work		
Life extension programs and major alterations		
B61–12 Life extension program	794,049	794,049
W76–1 Life extension program	48,888	48,888
W88 Alt 370	304,285	304,285
W80–4 Life extension program	654,766	654,766
IW–1	53,000	53,000
W76–2 Warhead modification program	65,000	65,000
Total, Life extension programs and major alterations	**1,919,988**	**1,919,988**
Stockpile systems		
B61 Stockpile systems	64,547	64,547
W76 Stockpile systems	94,300	94,300
W78 Stockpile systems	81,329	81,329
W80 Stockpile systems	80,204	80,204
B83 Stockpile systems	35,082	35,082
W87 Stockpile systems	83,107	83,107
W88 Stockpile systems	180,913	180,913
Total, Stockpile systems	**619,482**	**619,482**
Weapons dismantlement and disposition		
Operations and maintenance	56,000	56,000
Stockpile services		
Production support	512,916	508,916
Program decrease		*[–4,000]*
Research and development support	38,129	38,129
R&D certification and safety	216,582	214,582
Program decrease		*[–2,000]*
Management, technology, and production	300,736	300,736
Total, Stockpile services	**1,068,363**	**1,062,363**
Strategic materials		
Uranium sustainment	87,182	87,182
Plutonium sustainment	361,282	361,282
Tritium sustainment	205,275	205,275
Lithium sustainment	29,135	29,135
Domestic uranium enrichment	100,704	100,704
Strategic materials sustainment	218,794	218,794
Total, Strategic materials	**1,002,372**	**1,002,372**

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Conference Authorized
Total, Directed stockpile work	**4,666,205**	**4,660,205**
Research, development, test and evaluation (RDT&E)		
Science		
Advanced certification	57,710	57,710
Primary assessment technologies	95,057	93,057
Program decrease		[–2,000]
Dynamic materials properties	131,000	128,000
Program decrease		[–3,000]
Advanced radiography	32,544	32,544
Secondary assessment technologies	77,553	77,553
Academic alliances and partnerships	53,364	53,364
Enhanced Capabilities for Subcritical Experiments	117,632	80,000
Total, Science	**564,860**	**522,228**
Engineering		
Enhanced surety	43,226	43,226
Weapon systems engineering assessment technology	27,536	27,536
Nuclear survivability	48,230	48,230
Enhanced surveillance	58,375	50,000
Program decrease		[–8,375]
Stockpile Responsiveness	34,000	40,000
Program increase		[6,000]
Total, Engineering	**211,367**	**208,992**
Inertial confinement fusion ignition and high yield		
Ignition	22,434	69,575
Maintain sustainable levels		[47,141]
Support of other stockpile programs	17,397	22,565
Maintain sustainable levels		[5,168]
Diagnostics, cryogenics and experimental support	51,453	77,194
Maintain sustainable levels		[22,741]
Tokamak support		[3,000]
Pulsed power inertial confinement fusion	8,310	7,596
Program decrease		[–714]
Joint program in high energy density laboratory plasmas	0	9,492
Program increase		[9,492]
Facility operations and target production	319,333	334,791
Maintain sustainable levels		[15,458]
Total, Inertial confinement fusion and high yield	**418,927**	**521,213**
Advanced simulation and computing		
Advanced simulation and computing	656,401	656,401
Construction:		
18–D–670, Exascale Class Computer Cooling Equipment, LANL	24,000	24,000
18–D–620, Exascale Computing Facility Modernization Project, LLNL	23,000	23,000
Total, Construction	**47,000**	**47,000**
Total, Advanced simulation and computing	**703,401**	**703,401**
Advanced manufacturing		
Additive manufacturing	17,447	17,447
Component manufacturing development	48,477	45,784
Program decrease		[–2,693]
Process technology development	30,914	30,914

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Conference Authorized
Total, Advanced manufacturing	***96,838***	***94,145***
Total, RDT&E	***1,995,393***	***2,049,979***
Infrastructure and operations		
Operations of facilities	*891,000*	*880,000*
Safety and environmental operations	*115,000*	*110,000*
Maintenance and repair of facilities	*365,000*	*404,000*
Address high-priority repair needs and preventive maintenance		*[39,000]*
Recapitalization:		
Infrastructure and safety	*431,631*	*498,631*
Support high-priority deferred maintenance		*[67,000]*
Capability based investments	*109,057*	*113,057*
Program increase		*[4,000]*
Total, Recapitalization	***540,688***	***611,688***
Construction:		
19–D–670, 138kV Power Transmission System Replacement, NNSS	*6,000*	*6,000*
19–D–660, Lithium Production Capability, Y–12	*19,000*	*19,000*
18–D–680, Material Staging Facility, Pantex	*0*	*24,000*
18–D–650, Tritium Production Capability, SRS	*27,000*	*27,000*
17–D–710, West End Protected Area reduction Project, Y–12	*0*	*0*
17–D–640, U1a Complex Enhancements Project, NNSS	*53,000*	*53,000*
16–D–515, Albuquerque complex project	*47,953*	*47,953*
14–D–710, DAF Argus project, NNSS	*0*	*0*
06–D–141 Uranium processing facility Y–12, Oak Ridge, TN	*703,000*	*703,000*
04–D–125 Chemistry and metallurgy research facility replacement project, LANL	*235,095*	*235,095*
Total, Construction	***1,091,048***	***1,115,048***
Total, Infrastructure and operations	***3,002,736***	***3,120,736***
Secure transportation asset		
Operations and equipment	*176,617*	*176,617*
Program direction	*102,022*	*102,022*
Total, Secure transportation asset	***278,639***	***278,639***
Defense nuclear security		
Operations and maintenance	*690,638*	*699,638*
Physical security infrastructure recapitalization and CSTART		*[9,000]*
Total, Defense nuclear security	***690,638***	***699,638***
Information technology and cybersecurity	*221,175*	*221,175*
Legacy contractor pensions	*162,292*	*162,292*
Total, Weapons Activities	***11,017,078***	***11,192,664***
Defense Nuclear Nonproliferation		
Defense Nuclear Nonproliferation Programs		
Global material security		
International nuclear security	*46,339*	*46,339*
Domestic radiological security	*90,764*	*90,764*

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Conference Authorized
International radiological security	59,576	59,576
Nuclear smuggling detection and deterrence	140,429	130,429
Program decrease		[–10,000]
Total, Global material security	**337,108**	**327,108**
Material management and minimization		
HEU reactor conversion	98,300	88,300
Program decrease		[–10,000]
Nuclear material removal	32,925	32,925
Material disposition	200,869	200,869
Total, Material management & minimization	**332,094**	**322,094**
Nonproliferation and arms control	129,703	129,703
Defense nuclear nonproliferation R&D	456,095	468,095
Acceleration of low-yield detection experiments		[6,000]
Future nuclear proliferation challenges, including 3D printing		[6,000]
Nonproliferation Construction:		
18–D–150 Surplus Plutonium Disposition Project	59,000	59,000
99–D–143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS	220,000	220,000
Total, Nonproliferation construction	**279,000**	**279,000**
Total, Defense Nuclear Nonproliferation Programs	**1,534,000**	**1,526,000**
Low Enriched Uranium R&D for Naval Reactors	0	10,000
Direct support to low-enriched uranium R&D for Naval Reactors		[10,000]
Legacy contractor pensions	28,640	28,640
Nuclear counterterrorism and incident response program	319,185	319,185
Use of prior year balances	–19,000	–36,396
Total, Defense Nuclear Nonproliferation	**1,862,825**	**1,847,429**
Naval Reactors		
Naval reactors development	514,951	514,951
Columbia-Class reactor systems development	138,000	138,000
S8G Prototype refueling	250,000	250,000
Naval reactors operations and infrastructure	525,764	525,764
Construction:		
19–D–930, KS Overhead Piping	10,994	10,994
17–D–911, BL Fire System Upgrade	13,200	13,200
14–D–901 Spent fuel handling recapitalization project, NRF	287,000	287,000
Total, Construction	**311,194**	**311,194**
Program direction	48,709	48,709
Total, Naval Reactors	**1,788,618**	**1,788,618**
Federal Salaries And Expenses		
Program direction	422,529	404,529
Program decrease		[–18,000]
Total, Office Of The Administrator	**422,529**	**404,529**
Defense Environmental Cleanup		
Closure sites:		

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	Conference Authorized
Closure sites administration	4,889	4,889
Richland:		
River corridor and other cleanup operations	89,577	89,577
Central plateau remediation	562,473	612,473
Accelerated remediation of 300–296 waste site		[50,000]
Richland community and regulatory support	5,121	5,121
Construction:		
18–D–404 WESF Modifications and Capsule Storage	1,000	1,000
Total, Construction	**1,000**	**1,000**
Total, Hanford site	**658,171**	**708,171**
Office of River Protection:		
Waste Treatment Immobilization Plant Commissioning	15,000	15,000
Rad liquid tank waste stabilization and disposition	677,460	677,460
Construction:		
15–D–409 Low activity waste pretreatment system, ORP	56,053	56,053
01–D–416 A-D WTP Subprojects A-D	675,000	675,000
01–D–416 E—Pretreatment Facility	15,000	15,000
Total, Construction	**746,053**	**746,053**
Total, Office of River protection	**1,438,513**	**1,438,513**
Idaho National Laboratory:		
SNF stabilization and disposition—2012	17,000	17,000
Solid waste stabilization and disposition	148,387	148,387
Radioactive liquid tank waste stabilization and disposition	137,739	137,739
Soil and water remediation—2035	42,900	42,900
Idaho community and regulatory support	3,200	3,200
Total, Idaho National Laboratory	**349,226**	**349,226**
NNSA sites and Nevada off-sites		
Lawrence Livermore National Laboratory	1,704	1,704
Nuclear facility D & D		
Separations Process Research Unit	15,000	15,000
Nevada	60,136	60,136
Sandia National Laboratories	2,600	2,600
Los Alamos National Laboratory	191,629	191,629
Total, NNSA sites and Nevada off-sites	**271,069**	**271,069**
Oak Ridge Reservation:		
OR Nuclear facility D & D		
OR-0041—D&D - Y–12	30,214	30,214
OR-0042—D&D -ORNL	60,007	60,007
Total, OR Nuclear facility D & D	**90,221**	**90,221**
U233 Disposition Program	45,000	45,000
OR cleanup and waste disposition		
OR cleanup and disposition	67,000	67,000
Construction:		
17–D–401 On-site waste disposal facility	5,000	5,000
14–D–403 Outfall 200 Mercury Treatment Facility	11,274	11,274
Total, Construction	**16,274**	**16,274**

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(In Thousands of Dollars)

Program	FY 2019 Request	Conference Authorized
Total, OR cleanup and waste disposition	***83,274***	***83,274***
OR community & regulatory support	*4,711*	*4,711*
OR technology development and deployment	*3,000*	*3,000*
Total, Oak Ridge Reservation	***226,206***	***226,206***
Savannah River Sites:		
Nuclear Material Management	*351,331*	*351,331*
Environmental Cleanup		
Environmental Cleanup	*166,105*	*166,105*
Construction:		
18–D–402, Emergency Operations Center	*1,259*	*1,259*
Total, Environmental Cleanup	***167,364***	***167,364***
SR community and regulatory support	*4,749*	*4,749*
Radioactive liquid tank waste stabilization and disposition	*805,686*	*752,105*
Construction:		
18–D–401, SDU #8/9	*37,450*	*37,450*
17–D–402—Saltstone Disposal Unit #7	*41,243*	*41,243*
05–D–405 Salt waste processing facility, Savannah River Site	*65,000*	*65,000*
Total, Construction	***143,693***	***143,693***
Total, Savannah River site	***1,472,823***	***1,419,242***
Waste Isolation Pilot Plant		
Operations and maintenance	*220,000*	*220,000*
Central characterization project	*19,500*	*19,500*
Critical Infrastructure Repair/Replacement	*46,695*	*46,695*
Transportation	*25,500*	*25,500*
Construction:		
15–D–411 Safety significant confinement ventilation system, WIPP	*84,212*	*84,212*
15–D–412 Exhaust shaft, WIPP	*1,000*	*1,000*
Total, Construction	***85,212***	***85,212***
Total, Waste Isolation Pilot Plant	***396,907***	***396,907***
Program direction	*300,000*	*300,000*
Program support	*6,979*	*6,979*
Minority Serving Institution Partnership	*6,000*	*6,000*
Safeguards and Security		
Oak Ridge Reservation	*14,023*	*14,023*
Paducah	*15,577*	*15,577*
Portsmouth	*15,078*	*15,078*
Richland/Hanford Site	*86,686*	*86,686*
Savannah River Site	*183,357*	*183,357*
Waste Isolation Pilot Project	*6,580*	*6,580*
West Valley	*3,133*	*3,133*
Total, Safeguards and Security	***324,434***	***324,434***
Technology development	*25,000*	*25,000*
HQEF-0040—Excess Facilities	*150,000*	*150,000*
Total, Defense Environmental Cleanup	***5,630,217***	***5,626,636***
Other Defense Activities		
Environment, health, safety and security		

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(In Thousands of Dollars)

Program	*FY 2019 Request*	*Conference Authorized*
Environment, health, safety and security	*135,194*	*135,194*
Program direction	*70,653*	*70,653*
Total, Environment, Health, safety and security	***205,847***	***205,847***
Independent enterprise assessments		
Independent enterprise assessments	*24,068*	*24,068*
Program direction	*52,702*	*52,702*
Total, Independent enterprise assessments	***76,770***	***76,770***
Specialized security activities	*254,378*	*254,378*
Office of Legacy Management		
Legacy management	*140,575*	*140,575*
Program direction	*18,302*	*18,302*
Total, Office of Legacy Management	***158,877***	***158,877***
Defense related administrative support		
Chief financial officer	*48,484*	*48,484*
Chief information officer	*96,793*	*96,793*
Project management oversight and Assessments	*8,412*	*8,412*
Total, Defense related administrative support	***153,689***	***145,277***
Office of hearings and appeals	*5,739*	*5,739*
Subtotal, Other defense activities	***855,300***	***855,300***
Rescission of prior year balances (OHA)	*–2,000*	*–2,000*
Total, Other Defense Activities	***853,300***	***853,300***
Defense Nuclear Waste Disposal		
Yucca mountain and interim storage	*30,000*	*0*
Program cut		*[–30,000]*
Total, Defense Nuclear Waste Disposal	***30,000***	***0***

And the Senate agree to the same.

From the Committee on Armed Services, for consideration of the House bill and the Senate amendment, and modifications committed to conference:

MAC THORNBERRY,
JOE WILSON of South Carolina,
FRANK A. LOBIONDO,
ROB BISHOP of Utah,
MIKE ROGERS of Alabama,
BILL SHUSTER,
K. MICHAEL CONAWAY,
DOUG LAMBORN,
ROBERT J. WITTMAN,
MIKE COFFMAN,
VICKY HARTZLER,
AUSTIN SCOTT of Georgia,
PAUL COOK,
BRADLEY BYRNE,
ELISE M. STEFANIK,
DON BACON,
JIM BANKS of Indiana,
ADAM SMITH of Washington,
SUSAN A. DAVIS of California,

JIM COOPER,
MADELEINE Z. BORDALLO,
JOE COURTNEY,
JOHN GARAMENDI,
MARC A. VEASEY,
TULSI GABBARD,
BETO O'ROURKE,
STEPHANIE N. MURPHY of Florida,

As additional conferees from the Permanent Select Committee on Intelligence, for consideration of matters within the jurisdiction of that committee under clause 11 of rule X:

DEVIN NUNES,
CHRIS STEWART,

As additional conferees from the Committee on the Budget, for consideration of secs. 1252 and 1523 of the House bill, and secs. 4, 1002, 1032, and 1721 of the Senate amendment, and modifications committed to conference:

STEVE WOMACK,

As additional conferees from the Committee on Education and the Workforce, for consideration of secs. 228, 563, 564, 1094, and 3120C of the House bill, and secs. 561–63 of the Senate amendment, and modifications committed to conference:

VIRGINIA FOXX,
ROBERT C. "BOBBY" SCOTT of Virginia,

From the Committee on Energy and Commerce, for consideration of title XVII of the Senate amendment, and modifications committed to conference:

ROBERT E. LATTA,
BILL JOHNSON of Ohio,

As additional conferees from the Committee on Energy and Commerce, for consideration of secs. 701, 712, 1083, 1096, 3111–13, 3118, 3119, 3132, and 4305 of the House bill, and secs. 315, 601, 714, 3111–15, 5802, and 7509 of the Senate amendment, and modifications committed to conference:

GREG WALDEN,
RICHARD HUDSON,

As additional conferees from the Committee on Financial Services, for consideration of 1299O–2 and 1236 of the House bill, and title XVII of the Senate amendment, and modifications committed to conference:

JEB HENSARLING,
ANDY BARR,

From the Committee on Foreign Affairs, for consideration of title XVII of the Senate amendment, and modifications committed to conference:

ADAM KINZINGER,

As additional conferees from the Committee on Foreign Affairs, for consideration of secs. 346, 1042, 1202–06, 1210, 1211, 1221–23, 1230A, 1230D, 1230F, 1231, 1234, 1236, 1237, 1239, 1240, 1254–56, 1264, 1267, 1268, 1271, 1274, 1276, 1278, 1280, 1282, 1288, 1299O–1, 1299O–2, 1299O–

3, 1299O–4, 1301, 1302, 1521, 1522, and 3116 of the House bill, and secs. 331, 1061, 1063, 1201–04, 1207, 1211, 1213, 1221–23, 1231–33, 1241, 1244, 1245, 1261, 1262, 1264–66, 1269, 1301, 1302, 1531, 1622, 1623, 1654, 3113, 3116, 6002, 6202–04, 6701, and 6702 of the Senate amendment, and modifications committed to conference:

BRIAN J. MAST,

As additional conferees from the Committee on Foreign Affairs, for consideration of secs. 346, 1042, 1202–06, 1210, 1211, 1221–23, 1230A, 1230D, 1230F, 1231, 1234, 1236, 1237, 1239, 1240, 1254–56, 1264, 1267, 1268, 1271, 1274, 1276, 1278, 1280, 1282, 1288, 1299O–1, 1299O–2, 1299O–3, 1299O–4, 1301, 1302, 1521, 1522, and 3116 of the House bill, and secs. 331, 1061, 1063, 1201–04, 1207, 1211, 1213, 1221–23, 1231–33, 1241, 1244, 1245, 1261, 1262, 1264–66, 1269, 1301, 1302, 1531, 1622, 1623, 1654, 3113, 3116, 6002, 6202–04, 6701, 6702, and title XVII of the Senate amendment, and modifications committed to conference:

EDWARD R. ROYCE of California,

As additional conferees from the Committee on Homeland Security, for consideration of sec. 1634 of the House bill, and modifications committed to conference:

MICHAEL T. MCCAUL,
JOHN RATCLIFFE,

As additional conferees from the Committee on the Judiciary, for consideration of secs. 826, 1043, 1050B, 1073, 1074, 1079, 1085, 1087, 1090, 1299O–2, 4319, and 4710 of the House bill, and secs. 1025, 1035 and 1715 of the Senate amendment, and modifications committed to conference:

BOB GOODLATTE,
F. JAMES SENSENBRENNER, Jr.,

As additional conferees from the Committee on Natural Resources, for consideration of secs. 313, 314, 316, 342, 1043, 1076, 1079, 2822, 2830, 2830A, 2831, 2832, 2845–47, 3402, 3549, 4810, 4837, division E, and sec. 6101 of the House bill, and secs. 601, 2833, 2836, and 7518 of the Senate amendment, and modifications committed to conference:

BRUCE WESTERMAN,

As additional conferees from the Committee on Oversight and Government Reform, for consideration of secs. 506, 511, 569, 822, 831, 832, 834, 835, 860, 875, 880–84, 886, 917, 1101–11, 4711, and 4829 of the House bill, and secs. 568, 595, 607, 632, 702, 813, 902, 937, 1101–05, 1122–25, 1254B, 1628, 1639, 1640, 1716, 1726, 2835, and 6702 of the Senate amendment, and modifications committed to conference:

MARK SANFORD,
DENNIS A. ROSS,

As additional conferees from the Committee on Science, Space, and Technology, for consideration of secs. 854, 858, and 1603 of the House bill, and secs. 893 and 1604 of the Senate amendment, and modifications committed to conference:

LAMAR SMITH of Texas,
FRANK D. LUCAS,

As additional conferees from the Committee on Small Business, for consideration of secs. 811, 851–58, 861, 863–68, and 2803 of the House bill, and secs. 893, 1626, and 6006 of the Senate amendment, and modifications committed to conference:

STEVE CHABOT,

As additional conferees from the Committee on Transportation and Infrastructure, for consideration of secs. 518, 554, 883, 1044, 1049, 1050B, 1075, 1095, 1111, 2848, 3501, 3504, 3522–25, 3528, 3529, and division D of the House bill, and secs. 153, 556, 601, 1604, 3501, 3502, 7501, 7502, 7507–09, 7515, and 7517 of the Senate amendment, and modifications committed to conference:

BARBARA COMSTOCK,
JULIA BROWNLEY of California,

As additional conferees from the Committee on Veterans' Affairs, for consideration of secs. 547, 552, 582, 1411, and 2844 of the House bill, and secs. 721, 726, and 1431 of the Senate amendment, and modifications committed to conference:

DAVID P. ROE of Tennessee,
BRUCE POLIQUIN,

As additional conferees from the Committee on Ways and Means, for consideration of sec. 701 of the House bill, and sec. 6201 of the Senate amendment, and modifications committed to conference:

DAVID G. REICHERT,
PETER J. ROSKAM,
RICHARD E. NEAL,

For consideration of secs. 313, 314, 316, 342, 1043, 1076, 1079, 1252, 1523, 2822, 2830, 2830A, 2831, 2832, 2845–47, 3402, 3549, 4810, 4837, division E, and sec. 6101 of the House bill and secs. 4, 601, 1002, 1032, 1721, 2833, 2836, and 7518 of the Senate amendment, and modifications committed to conference:

JACK BERGMAN,

For consideration of secs. 228, 518, 554, 563, 564, 883, 1044, 1049, 1050B, 1075, 1094, 1095, 1111, 2848, 3120C, 3501, 3504, 3522–25, 3528, 3529, and division D of the House bill and secs. 153, 556, 561–63, 601, 1604, 3501, 3502, 7501, 7502, 7507–09, 7515, and 7517 of the Senate amendment, and modifications committed to conference:

JASON LEWIS of Minnesota,
Managers on the Part of the House.

JOHN MCCAIN,
JAMES M. INHOFE,
ROGER F. WICKER,
DEB FISCHER,
TOM COTTON,
MIKE ROUNDS,
JONI ERNST,
THOM TILLIS,

DAN SULLIVAN,
DAVID PERDUE,
TED CRUZ,
LINDSEY GRAHAM,
BEN SASSE,
TIM SCOTT,
MIKE CRAPO,
JACK REED,
BILL NELSON,
CLAIRE MCCASKILL,
JEANNE SHAHEEN,
RICHARD BLUMENTHAL,
JOE DONNELLY,
MAZIE K. HIRONO,
TIM KAINE,
ANGUS S. KING, Jr.,
MARTIN HEINRICH,
GARY C. PETERS,
SHERROD BROWN,
Managers on the Part of the Senate.

JOINT EXPLANATORY STATEMENT OF THE COMMITTEE OF CONFERENCE

The managers on the part of the House and the Senate at the conference on the disagreeing votes of the two Houses on the amendment of the Senate to the bill (H.R. 5515), to authorize appropriations for fiscal year 2019 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes, submit the following joint statement to the House and the Senate in explanation of the effect of the action agreed upon by the managers and recommended in the accompanying conference report:

The Senate amendment struck all of the House bill after the enacting clause and inserted a substitute text.

The House recedes from its disagreement to the amendment of the Senate with an amendment that is a substitute for the House bill and the Senate amendment. The differences between the House bill, the Senate amendment, and the substitute agreed to in conference are noted below, except for clerical corrections, conforming changes made necessary by agreements reached by the conferees, and minor drafting and clarifying changes.

Compliance with rules of the House of Representatives and Senate regarding earmarks and congressionally directed spending items

Pursuant to clause 9 of rule XXI of the Rules of the House of Representatives and Rule XLIV(3) of the Standing Rules of the Senate, neither this conference report nor the accompanying joint statement of managers contains any congressional earmarks, congressionally directed spending items, limited tax benefits, or limited tariff benefits, as defined in such rules.

Summary of discretionary authorizations and budget authority implication

The budget request for national defense discretionary programs within the jurisdiction of the Committees on Armed Services of the Senate and the House of Representatives for fiscal year 2019 was $708.1 billion. Of this amount, $617.1 billion was requested for base Department of Defense programs, $69.0 billion was requested for overseas contingency operations, $21.8 billion was requested for national security programs in the Department of Energy and the Defense Nuclear Facilities Safety Board, and $214.0 million for defense-related activities.

The conference agreement would authorize $708.1 billion in fiscal year 2019, including $616.9 billion for base Department of Defense programs, $69.0 billion for overseas contingency operations, $21.9 billion for national security programs in the Department of

Energy and the Defense Nuclear Facilities Safety Board, and $300.0 million for defense-related activities.

The two tables preceding the detailed program adjustments in Division D of the accompanying joint statement of managers summarize the discretionary authorizations in the agreement and the equivalent budget authority levels for fiscal year 2019 defense programs.

Budgetary effects of this Act (sec. 4)

The Senate amendment contained a provision (sec. 4) that would require that the budgetary effects of this Act be determined in accordance with the procedures established in the Statutory Pay-As-You-Go Act of 2010 (title I of Public Law 111–139).

The House bill contained no similar provision.

The House recedes.

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

BUDGET ITEMS

Columbia-class submarine advance procurement

The budget request included $3.0 billion in line item 1 of Shipbuilding and Conversion, Navy for *Columbia*-class submarine advance procurement.

The House bill would authorize an increase of $82.7 million above the request.

The Senate amendment would authorize the funding level in the request.

The agreement authorizes an increase of $237.0 million above the request.

The conferees' intent in authorizing additional funds for submarine industrial base expansion is to ensure second- and third-tier contractors are able to meet increased production requirements.

The conferees direct the Secretary of the Navy to notify the congressional defense committees within 30 days of obligating funds provided for submarine industrial base expansion of the: obligation date, contractor name or names, location, description of the shortfall to be addressed, actions to be undertaken, desired end state, usable end items to be procured, period of performance, dollar amount, projected associated savings including business case analysis if applicable, contract name, and contract number.

The conferees believe that expanding the capabilities of the second- and third-tier contractors in the submarine industrial base should lead to greater cost savings and improved efficiency as production increases to meet the *Columbia*-class schedule and higher requirement for *Virginia*-class attack submarines in the Navy's latest Force Structure Assessment.

Subtitle A—Authorization of Appropriations

Authorization of appropriations (sec. 101)

The House bill contained a provision (sec. 101) that would authorize appropriations for procurement at the levels identified in section 4101 of division D of this Act.

The Senate amendment contained a similar provision (sec. 101).

The House recedes.

Subtitle B—Army Programs

National Guard and reserve component equipment report (sec. 111)

The House bill contained a provision (sec. 111) that would require a joint assessment by the Army and National Guard on efforts to achieve parity among the active component, the Army Reserve, and the Army National Guard with respect to equipment and capabilities.

The Senate amendment contained no similar provision.

The Senate recedes.

Deployment by the Army of an interim cruise missile defense capability (sec. 112)

The Senate amendment contained a provision (sec. 111) that would direct the Army to procure an alternate short-term option to fill its cruise missile defense gap with existing systems and accelerate the Indirect Fire Protection Capability (IFPC) system independently of Integrated Air and Missile Defense Battle Command System (IBCS) deployment, leveraging entities such as the Defense Digital Service or the Defense Innovation Unit Experimental, and to report the determination of that short-term option to the congressional defense committees no later than 90 days after the enactment of this Act.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to certify the need for the Army to fill the gap in cruise missile defense prior to deployment of such a capability, subject to appropriations. Further, the amendment would urge the Army to consider a range of directed energy solutions for the deployment of the 2023 interim capability deployment date and remove the requirement for locations of deployment for such a capability.

The conferees are deeply concerned about the paucity of land-based cruise missile defense capabilities and the Army's corresponding inability to adequately protect the joint force's fixed site systems, such as airfields and logistical depots. Integrated air and missile defense is critical for joint operations, but assets are not currently ready to counter an adversary's potential complex, integrated attack, thus leaving critical assets vulnerable. As outlined by the National Defense Strategy, cruise missile defense is a critical capability to defend against Russian and Chinese threats. Without this capability, the committee is concerned the U.S. Army will fail to successfully perform its mission to protect the joint force.

For these reasons, the conferees strongly urge the Army to consider deployment of the interim capability be prioritized in locations for deployment of air bases and significant fixed site locations in Europe and Asia for the purpose of the protection of such bases and locations against potential cruise missile threats. The conferees further recommend that the Army consider force structure requirements for the interim capability and plan accordingly in order to ensure full support of such a system once deployed.

Subtitle C—Navy Programs

Procurement authority for Ford-class aircraft carrier program (sec. 121)

The House bill contained a provision (sec. 122) that would authorize the construction of one *Ford*-class aircraft carrier designated CVN–81.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require a certification prior to awarding a contract authorized by this provision.

The conferees note that the Department of Defense has been able to achieve program efficiencies and cost savings by using multiyear and block buy contracting with many weapons programs, to include shipbuilding. If the Department of the Navy intends to pursue a two-ship procurement of CVN–80 and CVN–81 outside the title 10, United States Code, parameters for a multiyear contract, the conferees expect that entering into such contract would be based on rigorous analysis with a sound business case and substantial savings.

Earlier this year, the Navy issued a request for proposal soliciting information on a potential contract to acquire two *Ford*-class aircraft carriers (CVN–80 and CVN–81). The conferees are disappointed that no related information was provided to the congressional defense committees to enable fulsome consideration of the associated required legislative authorities during the development of the National Defense Authorization Act for Fiscal Year 2019.

Nonetheless, the conferees believe a two-ship procurement of CVN–80 and CVN–81 could result in significant cost savings. Accordingly, this provision would provide the necessary authorities for implementing such an approach, if the Secretary of Defense certifies supporting analysis prepared and provided by the milestone decision authority for the carrier replacement program, which is the Department of the Navy Service Acquisition Executive.

It is the conferees' intent that the Secretary of Defense review such analysis and, if the Secretary deems it appropriate, make the certification without performing any separate cost assessments or analyses. The conferees view such a process as consistent with ongoing efforts to reduce the time associated with acquisition decisions, push acquisition authorities and accountability to the Services, and ensure that the Secretary of Defense retains visibility and ultimate authority over acquisition matters in the Department.

Full ship shock trial for Ford-class aircraft carrier (sec. 122)

The House bill contained a provision (sec. 123) that would ensure that full ship shock trials results are incorporated in the construction of the *Ford*-class aircraft carrier designated CVN–81.

The Senate amendment contained no similar provision.

The Senate recedes.

Sense of Congress on accelerated production of aircraft carriers (sec. 123)

The House bill contained a provision (sec. 121) that would express the sense of Congress as to aircraft carrier force structure. Additionally, this section would modify section 5062 of title 10, United States Code, by increasing the required aircraft carrier force structure from 11 to 12 operational aircraft carriers by September 30, 2022.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would express the sense of Congress on accelerated production of aircraft carriers.

Multiyear procurement authority for standard missile–6 (sec. 124)

The House bill contained a provision (sec. 125) that would authorize the Secretary of the Navy to enter into one or more multiyear contracts for 625 Standard Missile–6 missiles beginning in fiscal year 2019, in accordance with section 2306b of title 10, United States Code.

The Senate amendment contained a similar provision (sec. 125) that would authorize the Secretary of the Navy to enter into multiyear contracts beginning in fiscal year 2019 for the procurement of 625 Standard Missile–6 guided missiles pending the Director of Cost Assessment and Program Evaluation confirmation of the Secretary of the Navy's preliminary findings as required in subsection a of section 2306b of title 10, United States Code.

The Senate recedes with a technical amendment.

Multiyear procurement authority for E–2D aircraft (sec. 125)

The House bill contained a provision (sec. 126) that would authorize multiyear procurement for E–2D aircraft.

The Senate amendment contained a similar provision (sec. 122).

The Senate recedes.

Multiyear procurement authority for F/A–18E/F aircraft and EA–18G aircraft (sec. 126)

The House bill contained a provision (sec. 127) that would authorize multiyear procurement for F/A–18E/F and EA–18G aircraft.

The Senate amendment contained a similar provision (sec. 121).

The Senate recedes.

Modifications to F/A–18 aircraft to mitigate physiological episodes (sec. 127)

The House bill contained a provision (sec. 128) that would require the Secretary of the Navy to modify F/A–18 aircraft to reduce

the occurrence of, and mitigate the risk posed by, physiological episodes affecting F/A–18 crewmembers.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would eliminate the requirement for the installation of an automatic ground collision avoidance system.

The conferees expect EA–18G aircraft to also receive the modifications required in this provision.

Frigate class ship program (sec. 128)

The House bill contained a provision (sec. 129) that would require, as part of the solicitation for proposals for the procurement of any frigate class ship, that the Secretary of the Navy require offerors to submit proposals that provide for conveying technical data to the government. Additionally, this provision would require the Secretary of the Navy to ensure that the government's technical data rights are sufficient to allow for specified follow-on activities.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the requirement for the Secretary of the Navy to ensure that the government's technical data rights are sufficient to allow for specified follow-on activities and clarify the conditions under which technical data shall be provided to the government.

The conferees' intent is to obtain sufficient technical data to ensure the Navy has the option to compete the winning frigate design in the future for production by at least one additional shipbuilder, if the Navy's inventory objective for FFG(X)-class ships merits such expansion. The conferees note that the benefits of two shipbuilders building the same ship design have been demonstrated in both the DDG–51 and CG–47 classes. The conferees do not intend for the winning frigate offeror to provide technical data beyond what is needed for a single-design, multiple-shipbuilder frigate acquisition strategy or otherwise authorized by law.

Contract requirement for Virginia class submarine program (sec. 129)

The House bill contained a provision (sec. 130) that would modify section 124 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to prohibit the Secretary of the Navy from entering into economic order quantity contracts for the *Virginia*-class submarine program until the Secretary certifies that such funding shall be used to enter into economic order quantities for 12 *Virginia*-class submarines.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of the Navy to ensure that an option to procure one additional *Virginia*-class submarine in each of fiscal years 2022 and 2023 is included in the associated multiyear procurement contract award planned for fiscal year 2019.

Prohibition on availability of funds for Navy port waterborne security barriers (sec. 130)

The Senate contained a provision (sec. 124) that would prohibit funds from being used to procure new Navy port waterborne security barriers unless the Secretary of the Navy submits a waiver to the congressional defense committees.

The House bill contained no similar provision.

The House recedes with an amendment that would apply the prohibition of funds to legacy barriers; exempt the sustainment, refurbishment, and replacement of portions of existing waterborne security barriers; and exempt the procurement of new barriers due to exigent circumstances.

Extension of limitation on use of sole-source shipbuilding contracts for certain vessels (sec. 131)

The Senate amendment contained a provision (sec. 123) that would extend to include fiscal year 2019 in the prohibition on funds from being used to enter into, or prepare to enter into, sole source contracts for one or more Joint High Speed Vessels or Expeditionary Fast Transports, unless the Secretary of the Navy submits to the congressional defense committees a certification and a report.

The House bill contained no similar provision.

The House recedes.

Limitation on availability of funds for M27 Infantry Automatic Rifle program (sec. 132)

The House bill contained a provision (sec. 112) that would prohibit the obligation and expenditure of not more than 80 percent of the funds for the Marine Corps M27 Infantry Automatic Rifle program until a report is submitted to the congressional defense committees on the service's assessment of the Army's Small Arms Ammunition Configuration study and the service's near- and long-term small arms modernization strategy.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on degaussing standards for DDG–51 destroyers (sec. 133)

The House bill contained a provision (sec. 131) that would limit expenditures of Shipbuilding and Conversion, Navy, for DDG–51 destroyers until the Secretary of the Navy submits a report as to incorporating degaussing standards into the destroyer program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require a report on degaussing standards for *Arleigh Burke*-class destroyers.

Subtitle D—Air Force Programs

Inventory requirement for air refueling tanker aircraft; limitation on retirement of KC–10A aircraft (sec. 141)

The House bill contained a provision (sec. 141) that would require the Department of the Air Force to maintain a total primary assigned aircraft inventory of air refueling tanker aircraft of not

less than 479. The provision would also place limitations on the retirement of KC–10A aircraft.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the inventory requirement to 479 total aircraft.

Multiyear procurement authority for C–130J aircraft program (sec. 142)

The House bill contained a provision (sec. 145) that would provide multiyear procurement authority for C–130J aircraft.

The Senate amendment contained a similar provision (sec. 151).

The House recedes.

Contract for logistics support for VC–25B aircraft (sec. 143)

The House bill contained a provision (sec. 144) that would ensure any contract for logistics support for the VC–25B aircraft adheres to United States Code and the Federal Acquisition Regulation.

The Senate amendment contained no similar provision.

The Senate recedes.

Retirement date for VC–25A aircraft (sec. 144)

The House bill contained a provision (sec. 143) that would set the retirement date of the VC–25A aircraft at not later than December 31, 2025.

The Senate amendment contained no similar provision.

The Senate recedes.

Repeal of funding restriction for EC–130H Compass Call Recapitalization Program (sec. 145)

The Senate amendment contained a provision (sec. 143) that would repeal Section 131 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2037) and require the Secretary of the Air Force to provide to the congressional defense committees periodic reports on the EC–130H Compass Call Recapitalization program and opportunities to accelerate the program.

The House bill contained no similar provision.

The House recedes with an amendment that would eliminate the required reports.

The conferees expect to be regularly updated on the status and progress of the Compass Call Recapitalization program. The conferees expect such updates to include, at a minimum: 1) a program status update; 2) a description of potential opportunities to accelerate the program and their associated funding requirements; and 3) a current assessment of the aircraft's operational effectiveness.

Limitation on use of funds for KC–46A aircraft pending submittal of certification (sec. 146)

The House bill contained a provision (sec. 142) that would limit the funds available for three KC–46A aircraft.

The Senate amendment contained no similar provision.

The Senate recedes.

Limitation on availability of funds for retirement of E–8 JSTARS Aircraft (sec. 147)

The House bill contained a provision (sec. 214) that would restrict the obligation of funding for the Advanced Battle Management System (ABMS) of systems initiative of the Air Force, as well as a portion of the proposed divestment of legacy E–8C Joint Surveillance Target Attack Radar System (JSTARS) aircraft contained in the fiscal year 2019 budget request. The restriction would remain in effect until the Secretary of the Air Force certifies that the JSTARS Recapitalization (Recap) program is proceeding as previously planned. The provision would also require the Comptroller General of the United States and the Secretary of the Air Force to provide reports to the congressional defense committees on ABMS, JSTARS Recap, and the legacy JSTARS fleet.

The Senate amendment contained a similar provision (sec. 141) that would prohibit the availability of funds to retire, or prepare to retire, any E–8 JSTARS aircraft.

The House recedes with an amendment that would limit retirement of legacy E–8C until Increment 2 of the Advanced Battle-Management System of the Air Force declares Initial Operational Capability. The amendment would also require the Secretary of Defense to certify that the Secretary of the Air Force is: taking all reasonable steps to ensure the legacy E–8C continues to meet all safety of flight requirements and that the Air Force is taking steps to increase the legacy JSTARS fleet's aircraft availability and capacity provided to combatant commanders. The amendment would also require reports be submitted to the congressional defense committees by the Secretary of the Air Force on the legacy E–8C fleet and by the Comptroller General of the United States on ABMS.

Finally, the conferees direct the Director, Cost Assessment and Program Evaluation, Office of the Secretary of Defense, to provide the congressional defense committees a report no later than February 5, 2019, on a cost, schedule, and implementation plan for restarting the dormant legacy E–8C re-engining program that the Air Force originally initiated in 2007. The conferees understand the Secretary of the Air Force procured three ship-sets of engines, after investing $450.0 million, and the engines remain unused. The conferees note that the legacy E–8C engines are the number one issue driving excessive non-mission capable maintenance metrics for the E–8C fleet.

Report on modernization of B–52H aircraft systems (sec. 148)

The Senate amendment contained a provision (sec. 142) that would require the Secretary of the Air Force to submit a report on the long-term modernization of the B–52H aircraft.

The House bill contained no similar provision.

The House recedes.

The conferees note that the Air Force submitted a report on B–52 modernization in February 2018. However, that report did not include elements that the conferees believe to be important considerations, particularly in light of the Air Force's decision to continue operating the B–52 for the long-term. Such considerations include secure, jam-resistant communications, future weapons and targeting capabilities, and mission planning systems.

Subtitle E—Defense-Wide, Joint, and Multiservice Matters

Procurement authority for additional icebreaker vessels (sec. 151)

The Senate amendment contained a provision (sec. 153) that would amend section 122 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) by striking subsections (a) and (b), as well as providing authority to enter into a contract or contracts for up to six polar-class icebreakers.

The House bill contained no similar provision.

The House recedes with an amendment that would provide the secretary of the department in which the Coast Guard is operating the authority to enter into a contract or contracts for the procurement of up to five additional polar-class icebreakers and express the sense of Congress regarding polar-class icebreakers.

The conferees note that section 207 of the Coast Guard Authorization Act of 2015 (Public Law 114–120) provided authority for the Commandant of the Coast Guard to enter into a contract or contracts for the acquisition of polar icebreakers and associated equipment using incremental funding. The conferees further note the Fiscal Years 2019 through 2023 Future Years Homeland Security Program includes $1.8 billion to fully fund 3 icebreakers. The conferees understand that additional Department of Defense funds are not required to procure icebreakers for the foreseeable future. The conferees support the Coast Guard's stated goal of building six icebreakers and believe achieving this objective should be accomplished as expeditiously as possible.

Buy-to-budget acquisition of F–35 aircraft (sec. 152)

The House bill contained a provision (sec. 151) that would permit the Department of Defense to exercise buy-to-budget authority for the F–35 Joint Strike Fighter.

The Senate amendment contained no similar provision.

The Senate recedes.

Certification on inclusion of technology to minimize physiological episodes in certain aircraft (sec. 153)

The House bill contained a provision (sec. 152) that would require the Secretary of the Navy and the Secretary of the Air Force, prior to entering into a contract for the procurement of a fighter, attack, or fixed-wing training aircraft, to certify that the aircraft to be procured would include the most recent technological advancements necessary to minimize the impact of physiological episodes on aircraft crewmembers.

The Senate amendment contained no similar provision.

The Senate recedes.

Armored commercial passenger-carrying vehicles (sec. 154)

The House bill contained a provision (sec. 153) that would require the implementation of recommendations made in the Government Accountability Office report, GAO–17–513, titled, "Armored Commercial Vehicles: DOD Has Procurement Guidance, but Army Could Take Actions to Enhance Inspections and Oversight." The provision would also require the Secretary of the Army to provide

to the congressional defense committees a briefing on the progress of implementation efforts.

The Senate amendment contained no similar provision.

The Senate recedes.

Quarterly updates on the F–35 Joint Strike Fighter program (sec. 155)

The Senate amendment contained a provision (sec. 152) that would require the Under Secretary of Defense for Acquisition and Sustainment to provide quarterly briefings to the congressional defense committees on the status and progress of the F–35 Joint Strike Fighter program.

The Senate amendment contained another provision (sec. 5103) that would add an element addressing F–35 sustainment to the quarterly briefings.

The House bill contained no similar provision.

The House recedes with an amendment that would bring forward the sunset of the provision from October 1, 2024 to October 1, 2022.

LEGISLATIVE PROVISIONS NOT ADOPTED

Multiyear procurement authority for amphibious vessels

The House bill contained a provision (sec. 124) that would authorize the Secretary of the Navy to enter into a multiyear procurement for up to five *San Antonio*-class amphibious transport dock ships with a Flight II configuration.

The Senate amendment contained no similar provision.

The House recedes.

The conferees urge the Secretary of the Navy to utilize a multiyear procurement strategy for *San Antonio*-class amphibious transport ships with a Flight II configuration in the President's budget request for fiscal year 2020.

Limitation on availability of funds for the Littoral Combat Ship

The Senate amendment contained a provision (sec. 126) that would prohibit funds from being used to exceed the total procurement quantity listed in revision five of the Littoral Combat Ship acquisition strategy unless the Under Secretary of Defense for Acquisition and Sustainment submits to the congressional defense committees a certification.

The House bill contained no similar provision.

The Senate recedes.

Nuclear refueling of aircraft carriers

The Senate amendment contained a provision (sec. 127) that would authorize the procurement of naval nuclear reactor power units and associated reactor components for the nuclear refueling of specified aircraft carriers.

The House bill contained no similar provision.

The Senate recedes.

Limitation on funding for Amphibious Assault Vehicle Product Improvement Program

The Senate amendment contained a provision (sec. 128) that would limit 25 percent of funds authorized for Amphibious Assault Vehicle product improvement program from being obligated or expended until the Secretary of Defense provided a required report on the highest priority roles and missions of the Armed Forces.

The House bill contained no similar provision.

The Senate recedes.

Removal of waiting period for limitation on availability of funds for EC–130H Compass Call recapitalization program

The House bill contained a provision (sec. 146) that would remove the waiting period for the limitation on availability of funds for EC–130H Compass Call recapitalization that was put in place in section 135(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law–91).

The Senate amendment contained no similar provision.

The House recedes.

Findings and sense of Congress regarding KC–46 aerial refueling tankers

The House bill contained a provision (sec. 147) that would express the sense of Congress on the KC–46A aircraft.

The Senate amendment contained no similar provision.

The House recedes.

The conferees support, once KC–46A aircraft deliveries begin, the acceptance of aircraft by the Air Force as quickly as practicable. Therefore, the conferees direct the Secretary of the Air Force to provide a report to the congressional defense committees, not more than 90 days after the enactment of this Act, describing potential courses of action to enable the Air Force to accept KC–46A aircraft at a rate higher than the planned 3 aircraft per month.

Sense of Congress on conversion of F–22 aircraft

The House bill contained a provision (sec. 148) that would express the sense of Congress regarding the conversion of F–22 Block 20 aircraft.

The Senate amendment contained no similar provision.

The House recedes.

The conferees agree that, should future Air Force budgets be sufficient to permit, the Secretary of the Air Force should accelerate modernization of the F–22 Block 20 training and test aircraft as quickly as possible.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Subtitle A—Authorization of Appropriations

Authorization of appropriations (sec. 201)

The House bill contained a provision (sec. 201) that would authorize appropriations for research, development, test, and evaluation at the levels identified in section 4201 of division D of this Act.

The Senate amendment contained a similar provision (sec. 201).

The House recedes.

Subtitle B—Program Requirements, Restrictions, and Limitations

Modification of authority to carry out certain prototype projects (sec. 211)

The House bill contained a provision (sec. 211) that would make modifications to section 2371b of title 10, United States Code, regarding use of transactions other than contracts and grants for follow-on production.

The Senate amendment contained a provision (sec. 871) that would clarify the congressional notification requirements for the use of other transactions.

The House recedes with an amendment that would clarify that the follow-on production of a prototype or subproject within a consortium may occur as the Department of Defense determines that each individual prototype or subproject is complete and does not require that all projects associated with the consortium be complete before moving on to follow-on production.

Extension of directed energy prototype authority (sec. 212)

The House bill contained a provision (sec. 212) that would extend the directed energy prototype authority provided for in section 219(c)(4) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) through fiscal year 2019.

The Senate amendment contained no similar provision.

The Senate recedes.

Prohibition on availability of funds for the Weather Common Component program (sec. 213)

The House bill contained a provision (sec. 213) that would prohibit funding for the Weather Common Component program and require a report on Department of Defense meteorological sensors.

The Senate amendment contained no similar provision.

The Senate recedes.

Limitation on availability of funds for F–35 continuous capability development and delivery (sec. 214)

The House bill contained a provision (sec. 215) that would limit the availability of funds for the F–35 Continuous Capability Development and Delivery program until the Secretary of Defense provides a detailed cost estimate and baseline schedule for the program.

The Senate amendment contained no similar provision.

The Senate recedes.

Limitation on availability of funds pending report on agile software development and software operations (sec. 215)

The House bill contained a provision (sec. 216) that would limit funds for the Air Force pending a report on how agile software development and software operations methods are being used to modernize Air and Space Operations Centers.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment modifying and adding certain elements to the report.

The conferees note this program is a pathfinder for the Air Force and the Department of Defense with respect to realigning a major program to incorporate certain agile and incremental development methods, which the conferees support. As such the conferees are keenly interested in how the Department implements such methods, to ensure good principles of management and oversight are incorporated. In particular, given how frequently the program is delivering features, it is important to maintain transparency into costs and capability delivered to ensure that risks and overall return on investment are fully understood.

Limitation on availability of funds for certain high energy laser advanced technology (sec. 216)

The House bill contained a provision (sec. 217) that would limit the availability of 50 percent of the funds authorized to be appropriated by this Act, or otherwise made available for fiscal year 2019, until the Secretary of Defense provides the High Energy Laser roadmap and assessment to the congressional defense committees.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would limit the scope of the deliverables to the roadmap.

Plan for the Strategic Capabilities Office of the Department of Defense (sec. 217)

The House bill contained a provision (sec. 218) that would direct the Secretary of Defense to submit a plan to the congressional defense committees by March 1, 2019, for the elimination or transfer of the functions of the Strategic Capabilities Office to another organization or element of the Department of Defense.

The Senate amendment contained a similar provision (sec. 908) that would restrict the ability of the Secretary of Defense to terminate or transfer the functions of the Strategic Capabilities Office until specific conditions are met and certified to the congressional defense committees.

The Senate recedes with an amendment that would direct the Secretary of Defense to submit a plan to eliminate, transfer the functions of, or retain the Strategic Capabilities Office of the Department of Defense.

National Defense Science and Technology Strategy (sec. 218)

The House bill contained a provision (sec. 219) that would direct the Secretary of Defense to develop a National Security Science and Technology Strategy to prioritize Department of Defense science and technology efforts and investments.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would add further elements to the report.

Modification of CVN–73 to support fielding of MQ–25 unmanned aerial vehicle (sec. 219)

The House bill contained a provision (sec. 220) that would require the Navy to modify CVN–73 during its Refueling and Complex Overhaul (RCOH) to support the fielding of the MQ–25 unmanned aerial vehicle.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Navy to complete the necessary modifications to CVN–73's compartments and infrastructure for MQ–25 alterations during the ship's RCOH in order to allow completion of MQ–25 modifications and receipt of MQ–25 equipment in a single follow-on ship maintenance period.

The conferees believe that once fielded, the Navy should prioritize deploying the MQ–25 to the Pacific area of operations. In order to enable such deployments, the conferees believe that it is imperative that CVN–73, as the potential next forward deployed aircraft carrier, undergo the necessary modifications and alterations during its RCOH to enable MQ–25 operations as soon as practicable. However, the conferees are aware that completing all of the necessary modifications during the RCOH might put its timely completion at risk.

Therefore, the conferees direct the Navy to complete the necessary MQ–25 modifications during CVN–73's RCOH that would enable the completion of modifications and receipt of equipment during a single follow-on maintenance availability. Nothing in this language should be interpreted as prohibiting the full installation of MQ–25 alterations and equipment during RCOH should developments allow it.

Additionally, the conferees expect future Navy budgets will support this plan.

Establishment of innovators information repository in the Department of Defense (sec. 220)

The House bill contained a provision (sec. 220A) that would direct the Secretary of Defense to establish an innovators database within the Department of Defense.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would specify the involvement of the Defense Technical Information Center and use the term "information repository" in lieu of "database."

Strategic plan for Department of Defense test and evaluation resources (sec. 221)

The House bill contained a provision (section 220B) that would amend the strategic plan for Department of Defense (DOD) test and evaluation resources.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the reporting requirements within the strategic plan.

The conferees note the importance of the test and evaluation enterprise. In keeping with the National Defense Strategy, the conferees direct the Under Secretary of Defense for Research and Engineering to coordinate with the appropriate officials to ensure that

the strategic plan for DOD Test and Evaluation resources incorporates current and emerging threats. The strategic plan will help ensure that test and evaluation facilities and requirements are appropriately resourced.

Collaboration between Defense laboratories, industry and academia; open campus program (sec. 222)

The House bill contained a provision (sec. 220C) that would allow the Secretary of Defense to carry out activities to prioritize innovative collaboration between Department of Defense laboratories, industry, and academia.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would expand the scope of the provision to include all military departments.

Permanent extension and codification of authority to conduct technology protection features activities during research and development of defense systems (sec. 223)

The House bill contained a provision that would codify the authority to conduct technology protection features activities during research and development of defense systems.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make the provision more directive.

Codification and reauthorization of Defense Research and Development Rapid Innovation Program (sec. 224)

The Senate amendment contained a provision (sec. 211) that would codify the Rapid Innovation Program and would clarify elements of the program, including funding levels and policy surrounding broad agency announcements.

The House bill contained no similar provision.

The House recedes.

Procedures for rapid reaction to emerging technology (sec. 225)

The Senate amendment contained a provision (sec. 212) that would direct the Secretary of Defense to prescribe a procedure for the designation and development of urgently needed emerging technology research.

The House bill contained no similar provision.

The House recedes with an amendment that would add a briefing requirement.

Activities on identification and development of enhanced personal protective equipment against blast injury (sec. 226)

The Senate amendment contained a provision (sec. 213) that would require joint activities to be conducted in fiscal years 2019 and 2020 by the Secretary of the Army and the Director, Operational Test and Evaluation, in collaboration with academia, to determine the most effective personal equipment to protect against injuries caused by blasts in training and combat with $10.0 million authorized to be available to carry out joint activities.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the activities are to be conducted by the Secretary of the Army in collaboration with the Director, Operational Test and Evaluation during calendar year 2019 and that the Secretary of the Army should continue working with academia on such efforts.

Human factors modeling and simulation activities (sec. 227)

The Senate amendment contained a provision (sec. 214) that would require the Army, through the Army Research Institute or the Army Futures Command as determined appropriate, to establish human factors modeling and simulation activities.

The House bill contained no similar provision.

The House recedes with an amendment that changes the executing official to the Secretary of Defense through such organizations as the Secretary determines appropriate.

Expansion of mission areas supported by mechanisms for expedited access to technical talent and expertise at academic institutions (sec. 228)

The Senate amendment contained a provision (sec. 215) that would expand the mission areas included in the authority granted in section 217 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to space, infrastructure resilience, photonics, and autonomy.

The House bill contained no similar provision.

The House recedes.

Advanced manufacturing activities (sec. 229)

The House bill contained a provision (sec. 327) that would require the Secretary of the Army to establish a Center of Excellence on Advanced and Additive Manufacturing at an arsenal and authorize use of public-private partnerships and other transactional activity to facilitate the development of advanced and additive manufacturing techniques in support of Army industrial facilities.

The Senate amendment contained a provision (sec. 216) that would direct the Under Secretary of Defense for Research and Engineering and the Under Secretary of Defense for Acquisition and Sustainment to jointly establish activities aimed at demonstrating advanced manufacturing techniques and capabilities in depot-level activities or military arsenal facilities.

The House recedes with an amendment that would establish one activity per military service and add a requirement to consider workforce development.

The conferees note that the Under Secretaries may use grants, contracts, cooperative agreements, or other transactions, or establish public-private and public-public partnerships to facilitate development of advanced manufacturing techniques in support of the defense industrial base.

National security innovation activities (sec. 230)

The Senate amendment contained a provision (sec. 217) that would require the Under Secretary of Defense for Research and Engineering to establish activities to develop interaction between the Department of Defense and the commercial technology industry

and academia with the goal of encouraging private investment in specific hardware technologies of interest to future defense technology needs with unique national security applications with $150.0 million authorized to be available to carry out such activities.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify the elements of the activities, require a notification to the congressional defense committees before the execution of and obligation or expenditure of funds authorized by this provision, and adjust the funding level authorized to be available to $75.0 million.

The conferees believe "hardware-intensive capabilities" may include capabilities such as microelectromechanical systems, processing components, micromachinery, and materials science.

Partnership intermediaries for promotion of defense research and education (sec. 231)

The Senate amendment contained a provision (sec. 218) that would authorize Science and Technology Reinvention Laboratories to establish partnership intermediary agreements with not-for-profit entities or state and local government organizations to enable research and technology development cooperation to promote innovation to support defense missions.

The House bill contained no similar provision.

The House recedes.

Limitation on use of funds for Surface Navy Laser Weapon System (sec. 232)

The Senate amendment contained a provision (sec. 219) that would limit funds to exceed a procurement quantity of one Surface Navy Laser Weapon System (SNLWS), also known as the High Energy Laser and Integrated Optical-dazzler with Surveillance, per fiscal year, unless the Secretary of the Navy submits a report to the congressional defense committees.

The House bill contained no similar provision.

The House recedes with an amendment that would limit funds to exceed a procurement quantity of one SNLWS to only fiscal year 2019, unless the Secretary of the Navy submits a report to the congressional defense committees.

Expansion of coordination requirement for support for national security innovation and entrepreneurial education (sec. 233)

The Senate amendment contained a provision (sec. 220) that would expand the list of entities with whom the Secretary of Defense, acting through the Under Secretary of Defense for Research and Engineering, may coordinate and partner with in order to support national security innovation and entrepreneurial education.

The House bill contained no similar provision.

The House recedes with an amendment that would add the "I-Corps" program.

Defense quantum information science and technology research and development program (sec. 234)

The Senate amendment contained a provision (sec. 222) that would authorize a defense quantum information science and technology research and development program aimed at ensuring that the U.S. military is able to most effectively leverage the technological capabilities enable by quantum science and technology to meet future military missions.

The House bill contained no similar provision.

The House recedes with an amendment that would revise the technical goals of the program and amend the reporting requirement.

Joint directed energy test activities (sec. 235)

The Senate amendment contained a provision (sec. 223) that would direct the coordination and enhancement of directed energy test activities.

The House bill contained no similar provision.

The House recedes with technical amendments.

Requirement for establishment of arrangements for expedited access to technical talent and expertise at academic institutions to support Department of Defense missions (sec. 236)

The Senate amendment contained a provision (sec. 224) that would require the establishment of arrangements for expedited access to talent and expertise at academic institutions to support Department of Defense missions.

The House bill contained no similar provision.

The House recedes with an amendment that would limit the directive requirement to apply to only three arrangements, executed through the military departments.

Authority for Joint Directed Energy Transition Office to conduct research relating to high powered microwave capabilities (sec. 237)

The Senate amendment contained a provision (sec. 225) that would expand the purview of the Joint Directed Energy Transition Office to include research relating to high powered microwave capabilities.

The House bill contained no similar provision.

The House recedes.

Joint artificial intelligence research, development and transition activities (sec. 238)

The Senate amendment contained provisions (sec. 226 and sec. 5201) that would require the Under Secretary of Defense for Research and Engineering to focus and coordinate Department of Defense efforts on artificial intelligence and to include research on human-machine teaming.

The House bill contained no similar provision.

The House recedes with an amendment that would add guidance on artificial intelligence governance and oversight, include a definition of artificial intelligence, and amend the reporting and timelines within the provision.

Subtitle C—Reports and Other Matters

Report on survivability of air defense artillery (sec. 241)

The House bill contained a provision (sec. 221) that would require the Secretary of the Army to submit a report to the Committees on Armed Services of the Senate and the House of Representatives by March 1, 2019, on efforts to improve Army Air Defense Artillery (ADA) survivability and require the Army to assess measures that could better enhance ADA defenses, both active and passive.

The Senate amendment contained no similar provision.

The Senate recedes.

T–45 aircraft physiological episode mitigation actions (sec. 242)

House bill contained a provision (sec. 222) that would require the Secretary of the Navy to submit to the congressional defense committees a report on modifications made to T–45 aircraft and associated ground equipment to mitigate the risk of physiological episodes among T–45 crewmembers.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would eliminate the requirement for a report and instead add its elements to the quarterly updates from the Navy Physiological Episode Action Team mandated by the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

Report on efforts of the Air Force to mitigate physiological episodes affecting aircraft crewmembers (sec. 243)

The House bill contained a provision (sec. 223) that would require the Secretary of the Air Force to submit a report on the Air Force's efforts to mitigate physiological episodes.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on Defense Innovation Unit Experimental (sec. 244)

The House bill contained a provision (sec. 225) that would require the Under Secretary of Defense for Research and Engineering to submit a report to the congressional defense committees by May 1, 2019, on the integration of Defense Innovation Unit Experimental into the broader Department of Defense research and engineering community, the unit's measures of effectiveness, the number and type of transitions, and the impacts of the unit's initiatives and investments on the Department.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the reporting requirement.

Modification of funding criteria under Historically Black Colleges and Universities and minority institutions program (sec. 245)

The House bill contained a provision (sec. 228) that would modify section 2362(d) of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees believe that this modification to existing statute will ensure that resources meant for Historically Black Colleges and Universities and minority institutions will be used in such fashion, instead of going to universities with lower proportions of these students.

Report on OA–X light attack aircraft applicability to partner nation support (sec. 246)

The House bill contained a provision (sec. 229) that would require the Secretary of the Air Force to submit a report on the Air Force's light attack experiment and how it incorporates partner nation requirements.

The Senate amendment contained no similar provision.

The Senate recedes.

Reports on comparative capabilities of adversaries in key technology areas (sec. 247)

The Senate amendment contained a provision (sec. 231) that would direct the Director of the Defense Intelligence Agency, in coordination with relevant partners, to complete a report that directly compares United States capabilities in near-term emerging technology (e.g., hypersonic weapons, directed energy) and longer-term emerging technology (e.g., artificial intelligence, quantum information sciences) with that of U.S. adversaries.

The House bill contained no similar provision.

The House recedes with an amendment that would amend the reporting timeline and change the single report into multiple reports on technology areas.

Report on active protection systems for armored combat and tactical vehicles (sec. 248)

The Senate amendment contained a provision (sec. 232) that would require the Secretary of the Army to submit a report on technologies related to active protection systems for armored combat vehicles.

The House bill contained no similar provision.

The House recedes.

Next Generation Combat Vehicle (sec. 249)

The Senate amendment contained a provision (sec. 233) that would direct the Secretary of the Army to ensure that the Tank Automotive, Research, Development, and Engineering Center (TARDEC) is provided the necessary resources to build a prototype for the Next Generation Combat Vehicle (NGCV).

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of the Army to ensure all necessary resources are planned and programmed for an accelerated prototyping of the NGCV. The Secretary shall ensure consideration of the latest enabling component technologies developed by TARDEC.

Modification of reports on mechanisms to provide funds to defense laboratories for research and development of technologies for military missions (sec. 250)

The Senate amendment contained a provision (sec. 235) that would amend the existing reporting requirement for funding provided to defense laboratories under existing authorities to a continuous requirement as opposed to an annual report.

The House bill contained no similar provision.

The House recedes.

Briefings on Mobile Protected Firepower and Future Vertical Lift programs (sec. 251)

The Senate amendment contained a provision (sec. 236) that would require the Secretary of the Army to submit to the Committees on Armed Services of the Senate and House of Representatives a report on the requirements for Mobile Protected Firepower (MPF) and Future Vertical Lift (FVL) no later than 60 days after the enactment of this Act.

The House bill contained no similar provision.

The House recedes with an amendment that would amend the reporting requirement by requiring two separate and distinct briefings on the MPF and FVL programs. The amendment also includes additional briefing elements for the FVL program.

Improvement of the Air Force supply chain (sec. 252)

The Senate amendment contained a provision (sec. 237) that would allow the Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics to use nontraditional technologies, such as additive manufacturing, artificial intelligence, and other software-intensive capabilities, to increase the availability of aircraft and decrease backlogs for the production of spare parts for such aircraft. This provision would also allow the Assistant Secretary to advance the qualification and integration of additive manufacturing into the Air Force supply chain, reduce supply chain risk, and define workforce development requirements and training for personnel who implement and support additive manufacturing for the Air Force.

The House bill contained no similar provision.

The House recedes.

Review of guidance on blast exposure during training (sec. 253)

The Senate amendment contained a provision (sec. 238) that would require the Secretary of Defense to review the firing limits of heavy weapons during training exercises and provide a report no later than 180 days after enactment of this Act reviewing the cognitive effects of said blast exposure.

The House bill contained no similar provision.

The House recedes with a technical amendment that would add the review of the decibel level exposure, concussive effects exposure, and the frequency of exposure to heavy weapons fire of an individual during training exercises in order to establish appropriate limitations on such exposures.

Competitive acquisition strategy for Bradley Fighting Vehicle transmission replacement (sec. 254)

The Senate amendment contained a provision (sec. 241) that would require the Secretary of the Army to submit to the congressional defense committees, not later than February 15, 2019, a strategy to competitively procure a new transmission for the Bradley Fighting Vehicle family of vehicles, to include the Armored Multipurpose Vehicle and the Paladin Integrated Management artillery system.

The Senate amendment contained another provision (sec. 5202) that would require the plan to use a full and open competition in the acquisition strategy for the Bradley Fighting Vehicle transmission replacement is based on the Federal Acquisition Regulation.

The House bill contained no similar provision.

The House recedes with an amendment that would integrate these two provisions and require a full and open competition in accordance with the Federal Acquisition Regulation.

Independent assessment of electronic warfare plans and programs (sec. 255)

The Senate amendment contained a provision (sec. 242) that would require the Secretary of Defense to enter into an agreement with the scientific advisory group "JASON" to produce an independent assessment of U.S. electronic warfare strategies, programs, order of battle, and doctrine and adversary strategies, programs, order of battle, doctrine, including recommendations for improvement.

The House bill contained no similar provision.

The House recedes with an amendment that would narrow the assessment to only include the Department of Defense, as opposed to a government-wide assessment.

LEGISLATIVE PROVISIONS NOT ADOPTED

Entrepreneurial education program for personnel of Department of Defense laboratories

The House bill contained a provision (sec. 220D) that would allow the Secretary of Defense to carry out a program under which entrepreneurship and commercialization education, training and mentoring would be provided to personnel of Department of Defense laboratories.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the inclusion of an authorization for an "I-Corps" program in another provision for this Act.

Process for coordination of studies and analysis research of the Department of Defense

The House bill contained a provision (sec. 220E) that would direct the Secretary of Defense to implement a Department-wide process for managing requests for studies and analysis research across the military departments and Defense Agencies.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the inclusion of a requirement for an assessment on Department of Defense research and engineering portfolio management and coordination in another provision of this Act.

Jet noise reduction program of the Navy

The House bill contained a provision (sec. 220F) that would authorize the Secretary of the Navy to carry out a jet noise reduction program.

The Senate amendment contained no similar provision.

The House recedes.

The conferees are aware of ongoing jet noise reduction programs by the Department of Defense (DOD) and believe that reducing noise levels from aviation and other aircraft in communities near military installations should continue to be a priority for the DOD. The conferees support the Navy's current jet noise reduction program and their efforts to identify material and non-material solutions to develop noise control strategies and noise measurement requirements produced by military aircraft. The conferees understand the Navy will continue this program to guide the design of future noise-control systems for naval aviation systems to reduce the impact on communities adjacent to military facilities and the environment, like those in Washington, California, and Florida. The conferees urge the Department to continue to fully resource such programs.

Therefore, elsewhere in Division D of this Act, the conferees note that an additional $2.0 million is authorized for jet noise reduction efforts.

STEM jobs action plan

The House bill contained a provision (sec. 220H) that would direct the Secretary of Defense, in conjunction with the Secretary of each military department, to perform an assessment and deliver a report to Congress on jobs in science, technology, engineering, and math within the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

Limitation on funding for Amphibious Combat Vehicle 1.2

The Senate amendment contained a provision (sec. 221) that would limit all of funds authorized for Amphibious Combat Vehicle 1.2 from being obligated or expended until the Secretary of Defense provided a required report on the highest priority roles and missions of the armed forces.

The House bill contained no similar provision.

The Senate recedes.

Briefing on use of quantum sciences for military applications and other purposes

The House bill contained a provision (sec. 224) that would require the Secretary of Defense to provide to the congressional defense committees a briefing and plan for using quantum sciences for military applications and other purposes.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the inclusion elsewhere within this Act of a provision focused on various requirements for the Department of Defense related to quantum information sciences.

Increase in funding for divertor test tokamak research and development

The House bill contained a provision (sec. 226) that would increase funding for research, development, test, and evaluation in inertial confinement fusion ignition and high yield by $3.0 million, to be used for divertor test tokamak research and development. The provision would also decrease funding for the Air Force's procurement of ammunition, for flares, by $3.0 million.

The Senate amendment contained no similar provision.

The House recedes.

Briefing on innovative mobile security technology capabilities

The House bill contained a provision (sec. 227) that would express the sense of the Congress that government-owned mobile technologies lack necessary security features, placing them at risk for targeting and data breaches that might expose information that could harm national security. The provision would require the Secretary of Defense to provide a briefing to the congressional defense committees on the relevant threats, commercially-available countermeasure technologies, and the feasibility of deploying these technologies within the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense to brief the congressional defense committees, not later than 90 days after enactment of this Act, on the threats posed by credential theft, active surveillance from microphones and cameras, and tracking of user movements and location. The briefing shall include an analysis of the commercial availability of technologies to mitigate these threats and strategies governing and the feasibility of deploying mobile security technologies within the Department.

Funding for development of canine plasma for hemorrhagic control

The House bill contained a provision (sec. 230) that would designate funding from the United States Special Operations Command research, development, test and evaluation Defense-wide budget for freeze-dried canine plasma for hemorrhagic control.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress on partnerships for next generation hypersonics capabilities

The House bill contained a provision (sec. 231) that expresses a sense of Congress that the Secretary of the Air Force should consider entering into partnerships with institutions of higher education to conduct research and science and engineering education for next generation hypersonics capabilities.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note their support for hypersonics capability development elsewhere in this Act.

Report on the future of the defense research and engineering enterprise

The Senate amendment contained a provision (sec. 234) that would direct the Under Secretary of Defense for Research and Engineering to conduct a review of the defense research and engineering enterprise.

The House bill contained no similar provision.

The Senate recedes.

The conferees note the inclusion elsewhere in this Act of a National Defense Science and Technology Strategy, which includes elements of this report.

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

Authorization of appropriations (sec. 301)

The House bill contained a provision (sec. 301) that would authorize appropriations for operation and maintenance activities at the levels identified in section 4301 of division D of this Act.

The Senate amendment contained a similar provision (sec. 301).

The House recedes.

Subtitle B—Energy and Environment

Explosive Ordnance Disposal Defense Program (sec. 311)

The House bill contained a provision (sec. 317) that would establish the Explosive Ordnance Disposal (EOD) Defense Program by assigning the Assistant Secretary of Defense (ASD) for Nuclear, Chemical and Biological Defense Programs as the key individual for EOD policy, plans, programs and budgets. Additionally, the Defense Threat Reduction Agency would be tasked with fund management for Department of Defense (DOD)-wide EOD research and development. It would also mandate that an Army EOD qualified general officer serve as the head of the Joint Improvised-Threat Defeat Organization.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would allow the Secretary of Defense to choose an ASD of their choice to oversee the program and for the DOD to designate a combat support agency to exercise fund management of EOD research, development, test and evaluation.

The conferees note that to clarify certain sections of this provision the terms "Explosive Ordnance" means all munitions and improvised or clandestine explosive devices, containing explosives, propellants, nuclear fission or fusion materials, and biological and chemical agents. The term "Explosive Ordnance Disposal" means, the detection, identification, on-site evaluation, rendering safe, exploitation, recovery, and final disposal of explosive ordnance.

Further improvements to energy security and resilience (sec. 312)

The Senate amendment contained a provision (sec. 311) that would make further improvements to energy security and resilience within the Department of Defense by ensuring mission assurance is prioritized in energy policy and management.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Use of proceeds from sales of electrical energy derived from geothermal resources for projects at military installations where resources are located (sec. 313)

The House bill contained a provision (sec. 312) that would amend section 2916 of title 10, United States Code, to enable certain proceeds from the sale of electrical energy generated from a geothermal energy resource to be used for installation energy or water security projects at the military installation in which the geothermal energy resource is located.

The Senate amendment contained no similar provision.

The Senate recedes.

Operational energy policy (sec. 314)

The Senate amendment contained a provision (sec. 314) that would provide a comprehensive operational energy policy and promote the development and acquisition of equipment that enhances energy security and energy resilience.

The House bill contained no similar provision.

The House recedes.

Funding of study and assessment of health implications of per- and polyfluoroalkyl substances contamination in drinking water by agency for toxic substances and disease registry (sec. 315)

The Senate amendment contained a provision (sec. 312) that would amend section 316(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to allow funds to be transferred to the Secretary of Health and Human Services for the study and assessment of health implications of per- and polyfluoroalkyl substances (PFAS).

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense, within 180 days from the date the Administrator of the Environmental Protection Agency (EPA) establishes a maximum contaminant limit for PFAS, to; (1) Assess any contamination at the Department of Defense installations and surrounding communities; (2) Identify any remediation actions the Department plans to undertake using the established EPA standard; (3) Provide an estimated cost and schedule for remediation; and (4) Provide an assessment of past expenditures by local water authorities to address contamination before the EPA standard was established and an estimate cost to reimburse communities that remediated water to a level not greater than the EPA standard.

Extension of authorized periods of permitted incidental takings of marine mammals in the course of specified activities by Department of Defense (sec. 316)

The House bill contained a provision (sec. 313) that would extend the period the Secretary of Interior may authorize the incidental taking of marine mammals by the Department of Defense from 5 years to 10 years if the Secretary finds that such takings will have a negligible impact on any marine mammal species.

The Senate amendment contained no similar provision.

The Senate recedes with amendment that would authorize the Secretary of Interior to extend the permit for incidental taking of marine mammals by the Department of Defense to 7 years.

Department of Defense environmental restoration programs (sec. 317)

The House bill contained a provision (sec. 315) that would provide findings and a Sense of Congress on the Department of Defense environmental restoration programs.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

The conferees require not later than 120 days after enactment of this Act, the Assistant Secretary of Defense for Energy, Installations, and Environment shall provide a briefing to the Committees on Armed Services of the Senate and House of Representatives on initiatives being pursued to accelerate environmental restoration efforts.

Joint study on the impact of wind farms on weather radars and military operations (sec. 318)

The House bill contained a provision (sec. 318) that would require the Secretary of Defense to enter into an agreement with the National Oceanic and Atmospheric Administration to conduct a study on the impact of wind farms on weather radars.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Core sampling at Joint Base San Antonio, Texas (sec. 319)

The House bill contained a provision (sec. 319) that would require the Secretary of the Air Force to conduct a core sampling study along the proposed route of the W–6 wastewater treatment line on Air Force real property.

The Senate amendment contained an identical provision (sec. 5302).

The conference agreement includes this provision.

Production and use of natural gas at Fort Knox, Kentucky (sec. 320)

The House bill contained a provision (sec. 316) that would authorize the Secretary of the Army to provide for the production, treatment, management, and use of natural gas located under Fort Knox.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would apply this authority to the 26 wells at Fort Knox, include up to 49,000 dollars per year in royalty payments to the Commonwealth of Kentucky,

unless royalty payments are waived by the Governor, and ensure the 26 wells at Fort Knox adhere to the Bureau of Land Management's safety regulations.

Subtitle C—Logistics and Sustainment

Authorizing use of working capital funds for unspecified minor military construction projects related to revitalization and recapitalization of defense industrial base facilities (sec. 321)

The Senate amendment contained a provision (sec. 2804) that would amend section 2805 of title 10, United States Code, to establish a pilot program authority until 2023 for unspecified minor military construction projects of $6.0 million in support of defense industrial base facilities.

The House bill contained no similar provision.

The House recedes with a technical amendment that would amend section 2208 of title 10, United States Code, to allow the services to use working capital funds up to the minor military construction threshold.

Examination of Navy vessels (sec. 322)

The House bill contained a provision (sec. 321) that would amend section 7304 of title 10, United States Code, to provide that examinations of naval vessels performed under the authority of that section after October 1, 2019, shall be conducted on a no notice basis. This section would also provide that reports detailing the results of such inspections be unclassified and available to the public.

The Senate amendment contained a similar provision (sec. 1012) that would require the submission of an annual unclassified report to the congressional defense committees.

The House recedes with an amendment that would require vessel inspections pursuant to section 7304 of title 10, United States Code, be conducted with minimal notice provided to the crew of the vessel beginning on January 1, 2020. Additionally, this section would require the submission of an annual unclassified report to the congressional defense committees.

The conferees' intent in prescribing minimal notice inspections is to limit prior notice of vessel inspections being conducted under this section to the minimum number of individuals necessary to make the logistical arrangements needed to complete inspection requirements. These inspections should be "come as you are" and provide an accurate representation of the material condition of each vessel without the benefit of dedicated inspection preparation. The minimal notice standard is intended to apply to vessels undergoing periodic material inspections, but not to new construction vessels undergoing acceptance and final contract trials.

Limitation on length of overseas forward deployment of naval vessels (sec. 323)

The House bill contained a provision (sec. 323) that would add a new section to chapter 633 of title 10, United States Code, that would require the Secretary of the Navy to limit the time a naval vessel is forward deployed overseas to 10 years. This section would permit the Secretary to waive the 10-year requirement for indi-

vidual naval vessels with notification to the congressional defense committees. This section would further provide that all currently forward deployed naval ships which have exceeded 10 years of service overseas shall have 3 years to return to a U.S. homeport. Finally, this section would require the Secretary to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives on his rotation plan for forward deployed naval ships.

The Senate amendment contained a similar provision (sec. 1013).

The Senate recedes with an amendment that would restrict the limitation on length of overseas forward deployment to specified types of naval vessels.

Temporary modification of workload carryover formula (sec. 324)

The House bill contained a provision (sec. 324) that would require the Secretary of Defense to modify the workload carryover calculation formula for each military department depot or arsenal through September 30, 2021. These modifications would reflect the timing of enacted appropriations and the varying repair cycle times of the workload supported, and apply in addition to current Department of Defense carryover exemptions.

The Senate amendment contained no similar provision.

The Senate recedes.

Limitation on use of funds for implementation of elements of master plan for redevelopment of Former Ship Repair Facility in Guam (sec. 325)

The House bill contained a provision (sec. 325) that would provide that none of the funds authorized to be appropriated by this Act, or otherwise made available for fiscal year 2019 for the Navy, may be obligated or expended for any construction, alteration, repair, or development of the real property consisting of the Former Ship Repair Facility in Guam unless such project directly supports depot-level ship maintenance capabilities, to include the mooring of a floating dry dock.

The Senate amendment contained no similar provision.

The Senate recedes.

Business case analysis for proposed relocation of J85 Engine Regional Repair Center (sec. 326)

The House bill contained a provision (sec. 326) that would require the Secretary of the Air Force to prepare a business case analysis for the proposed relocation of the J85 Engine Regional Repair Center. This section would also withhold funding for the proposed relocation until 150 days after the Secretary of the Air Force has provided the Committees on Armed Services of the Senate and the House of Representatives a briefing on the business case analysis.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on pilot program for micro-reactors (sec. 327)

The House bill contained a provision (sec. 328) that would require the Secretary of Energy to conduct study on the requirements and components of a pilot program to provide resilience for Department of Defense and Department of Energy critical infrastructure using micro-reactors.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Limitation on modifications to Navy Facilities Sustainment, Restoration, and Modernization structure and mechanism (sec. 328)

The Senate amendment contained a provision (sec. 351) that would prohibit the Secretary of the Navy from making any modifications to the existing Navy Facilities Sustainment, Restoration, and Modernization (FSRM) structure until 90 days after providing notice of the proposed FSRM modification to the congressional defense committees.

The House bill contained no similar provision.

The House recedes.

Subtitle D—Reports

Reports on readiness (sec. 331)

The Senate amendment contained a provision (sec. 321) that would modify the Quarterly Readiness Report to Congress (QRRC) to establish a tracking mechanism for the number of monthly C-level upgrades or downgrades by a unit commander. The provision would also separate the annex on operational contract support and make it a standalone annual report in order to decrease the delivery time of the QRRC.

The House bill contained no similar provision.

The House recedes with a technical amendment that would sunset this authority in 2023.

Matters for inclusion in quarterly reports on personnel and unit readiness (sec. 332)

The House bill contained a provision (sec. 331) that would amend section 482 of title 10, United States Code, to require the Secretary of Defense and each military service to report appropriate readiness metrics for cyber and space operations in the existing periodic reporting requirement. This section would further amend section 482 to require combatant commanders to assess their readiness to conduct operations in a multi-domain battle, integrating ground, air, sea, space, and cyber forces.

The Senate amendment contained no similar provision.

The Senate recedes.

Annual Comptroller General reviews of readiness of Armed Forces to conduct full spectrum operations (sec. 333)

The House bill contained a provision (sec. 332) that would require the Comptroller General of the United States to assess the readiness of the Armed Forces in the warfighting domains of ground, sea, air, space, and cyber annually through 2022. The as-

sessment would be based on metrics established by the Secretary of Defense and validated by the Comptroller General, to allow the committee to assess readiness status over time. While the Comptroller General may submit classified reports, unclassified versions of the reports should also be provided.

The Senate amendment contained no similar provision.

The Senate recedes.

Surface warfare training improvement (sec. 334)

The House bill contained a provision (sec. 333) that would express the sense of Congress that the Secretary of the Navy should establish an assessment process for surface warfare officers prior to operational tour assignments and that the Secretary should expand the International Convention on Standards of Training, Certification and Watchkeeping (STCW) qualification process for surface warfare officers and enlisted navigation watch team personnel to improve seamanship and navigation aboard Navy vessels. Further, this section would require the Secretary of the Navy to provide a report on surface warfare officer credentialing, training, and assessment to the congressional defense committees not later than March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on optimizing surface Navy vessel inspections and crew certifications (sec. 335)

The House bill contained a provision (sec. 334) that would require the Secretary of the Navy to provide a report on optimizing surface navy vessel inspections and crew certifications to reduce redundancies and the burden of inspection-type visits that ships undergo. Further, this section would require the Secretary of the Navy to provide an interim briefing to the Committees on Armed Services of the Senate and the House of Representatives not later than January 31, 2019, on matters to be included in the required report.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on depot-level maintenance and repair (sec. 336)

The House bill contained a provision (sec. 335) that would require the Secretary of Defense to submit a report on labor hours and depot maintenance.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on wildfire suppression capabilities of active and reserve components (sec. 337)

The House bill contained a provision (sec. 337) that would require the Secretary of Defense to submit a report on the wildfire suppression capabilities within the active and reserve components of the Armed Forces.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on relocation of steam turbine production from Nimitz-class and Ford-class aircraft carriers and Virginia-class and Columbia-class submarines (sec. 338)

The House bill contained a provision (sec. 338) that would require a report on the relocation of steam turbine production for specified classes of aircraft carriers and submarines.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on Specialized Undergraduate Pilot Training production, resourcing, and locations (sec. 339)

The Senate amendment contained a provision (sec. 337) that would limit the funding available to establish a new specialized undergraduate pilot training (SUPT) facility until the Secretary of the Air Force certifies to the congressional defense committees that existing SUPT installations are operating at maximum capacity in terms of pilot production and the Air Force plans to operate existing SUPT facilities at maximum production over the future years defense program. The provision would also require the Secretary of the Air Force to submit a report on existing SUPT production, resourcing, and facilities.

The House bill contained no similar provision.

The House recedes with an amendment that would eliminate the funding limitation but maintain the reporting requirement.

Report on Air Force airfield operational requirements (sec. 340)

The Senate amendment contained a provision (sec. 5307) that would require the Secretary of the Air Force to conduct an assessment and submit a report to the congressional defense committees detailing operational requirements for Air Force airfields.

The House bill contained no similar provision.

The House recedes.

Report on Navy surface ship repair contract costs (sec. 341)

The Senate amendment contained a provision (sec. 5306) that would require a report on differences in ship repair contract and final delivery costs.

The House bill contained no similar provision.

The House recedes with an amendment that would require additional information in the report.

Subtitle E—Other Matters

Coast Guard representation on explosive safety board (sec. 351)

The House bill contained a provision (sec. 341) that would amend section 172(a) of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

Transportation to continental United States of retired military working dogs outside the continental United States that are suitable for adoption in the United States (sec. 352)

The Senate amendment contained a provision (sec. 5303) that would require the concerned secretary to transport military work-

ing dogs located outside the continental United States at the time of retirement back to the continental United States.

The House bill contained no similar provision.

The House recedes.

Scope of authority for restoration of land due to mishap (sec. 353)

The Senate amendment contained a provision (sec. 338) that would clarify that vehicle crashes must meet the regulations of the federal department with administrative jurisdictions of the affected land.

The House bill contained no similar provision.

The House recedes.

Repurposing and reuse of surplus Army firearms (sec. 354)

The Senate amendment contained a provision (sec. 336) that would amend section 348(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) by inserting "shredded or" before "melted and repurposed".

The House bill contained no similar provision.

The House recedes.

Study on phasing out open burn pits (sec. 355)

The House bill contained a provision (sec. 344) that would require the Secretary of Defense to submit a report on the feasibility of phasing out the use of open burn pits.

The Senate amendment contained a similar provision (sec. 6004).

The Senate recedes.

Notification requirements relating to changes to uniform of members of the uniformed services (sec. 356)

The House bill contained a provision (sec. 345) that would require the concerned secretary to notify the Commander of the Defense Logistics Agency of plans to make changes to a servicemember uniform or servicemember uniform component not less than 3 years prior to the change.

The Senate amendment contained no similar provision.

The Senate recedes.

Reporting on future years budgeting by subactivity group (sec. 357)

The Senate amendment contained a provision (sec. 332) that would direct the Secretary of Defense and the secretaries of the military departments to include in their OP–5 Justification Books the amount for each subactivity group as detailed in the Department of Defense's future years defense program.

The House bill contained no similar provision.

The House recedes.

Limitation on availability of funds for service-specific Defense Readiness Reporting Systems (sec. 358)

The Senate amendment contained a provision (sec. 335) that would restrict the Department of Defense funds to operate service-specific Defense Readiness Reporting Systems (DRRS) until the

Secretary of Defense submits a resource and funding plan to eliminate service-specific DRRS.

The House bill contained no similar provision.

The House recedes with a technical amendment that would strike the prohibition of using operation and maintenance funding and change the required transition date to October 1, 2020.

Prioritization of environmental impacts for facilities sustainment, restoration, and modernization demolition (sec. 359)

The Senate amendment contained a provision (sec. 5301) that would require the Secretary of Defense to establish prioritization metrics for facilities eligible for demolition within the Facilities Sustainment, Restoration, and Modernization process.

The House bill contained no similar provision.

The House recedes.

Sense of Congress relating to Soo Locks, Sault Sainte Marie, Michigan (sec. 360)

The Senate amendment contained a provision (sec. 6009) that would express the sense of Congress regarding the importance of Soo Locks, Sault Sainte Marie, Michigan.

The House bill contained no similar provision.

The House recedes.

U.S. Special Operations Command Civilian Personnel (sec. 361)

The Senate amendment contained a provision (sec. 334) that would require that, of the funds authorized in Operation and Maintenance, Defense-wide for U.S. Special Operations Command civilian personnel, not less than $6.2 million shall be used to fund the detail of civilian personnel to the office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict (ASD SOLIC) to support the Secretariat for Special Operations.

The House bill contained no similar provision. The House recedes with an amendment that would require that, notwithstanding section 143 of title 10, United States Code, not less than $4.0 million of the funds authorized to be appropriated by this Act for Operation and Maintenance, Defense-wide for U.S. Special Operations Command civilian personnel, be used to fund additional civilian personnel in or directly supporting the office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict to support the Assistant Secretary in fulfilling the additional responsibilities established by section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

The conferees note that the exemption granted to section 143 of title 10 United States code should be used judiciously and only for the purposes of staffing the ASD SOLIC Secretariat for Special Operations in fulfillment of the responsibilities required by section 922 of the FY17 NDAA.

LEGISLATIVE PROVISIONS NOT ADOPTED

State management and conservation of species

The House bill contained a provision (sec. 314) that would prohibit listing the Greater Sage-Grouse and the Lesser Prairie-Chick-

en under the Endangered Species Act for a 10–year period. This section would also provide that the previous such listing of the American Burying Beetle may not be enforced or reinstated.

The Senate amendment contained no similar provision.

The House recedes.

Funding treatment of perfluorooctane sulfonic acid and perfluorooctanoic acid at State-owned and operated National Guard installations

The Senate amendment contained a provision (sec. 315) that would authorize the Secretary of Defense to treat perfluorooctane sulfonic acid and perfluorooctanoic acid (PFOS/PFOA) in drinking water at State-owned and operated National Guard installations with several limitations. The provision would also authorize the National Guard access to environmental restoration funds.

The House bill contained no similar provision.

The Senate recedes.

Overhaul and repair of naval vessels in foreign shipyards

The House bill contained a provision (sec. 322) would amend section 7310 of title 10, United States Code, to require naval vessels that do not have a homeport be treated as being homeported in the United States or Guam with regard to repair and maintenance of those vessels. Additionally, this section would define the term voyage repair.

The Senate amendment contained no similar provision.

The House recedes.

Report on effects of increased automation of defense industrial base on manufacturing workforce

The House bill contained a provision (sec. 329) that would require a report on effects of increased automation of defense industrial base on manufacturing workforce.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that increased automation in the defense industrial base should be adopted in a manner that does not adversely impact national security.

Pilot programs on integration of military information support and civil affairs activities

The Senate amendment contained a provision (sec. 331) that would authorize the commanders of the geographic combatant commands and U.S. Special Operations Command to carry out pilot programs for the integration of military information support and civil affairs activities in support of the theater campaign plans of such combatant command.

The House bill contained no similar provision.

The Senate recedes.

The conferees believe that Department of Defense (DOD) civil affairs and military information support activities are complementary and reinforcing and are an important tool to support the military objectives of the combatant commands. Furthermore, especially in an Embassy-based environment, such activities by DOD

personnel can be further complemented and reinforced by public diplomacy activities of the State Department and stabilization or development activities by the U.S. Agency for International Development (USAID). The conferees believe these efforts can be better leveraged to provide whole of government solutions to a rapidly evolving global security environment.

The conferees also note that the process for funding the execution of military information support and civil affairs activities often does not align with operational timelines or involves fiscal authorities that are misaligned to the purpose of the activity. Furthermore, the conferees believe that reserve component military information support and civil affairs personnel could be better utilized to augment special operations forces. Therefore, the conferees direct the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict, in coordination with the Commander of U.S. Special Operations Command, to submit a report on civil affairs and military information support to the Committees on Armed Services of the Senate and the House of Representatives not later than March 1, 2019. At a minimum, the report shall provide:

(1) A review of the funding mechanisms and fiscal authorities available to support civil affairs and military information support activities and challenges, if any, in utilizing existing funding mechanisms and fiscal authorities;

(2) Recommendations for new authorities or modifications to existing authorities that would help to facilitate the execution of civil affairs and military information support activities and the integration of such activities with other complementary efforts by the State Department and USAID;

(3) Recommendations for new authorities or modifications to existing authorities that would help to improve the utilization of reserve component civil affairs and military information support personnel to augment special operations forces; and

(4) Any other matters deemed relevant by the Assistant Secretary.

Restriction on upgrades to aviation demonstration team aircraft

The Senate amendment contained a provision (sec. 333) that would prohibit the Secretary of Defense from upgrading the type, model, or series of aircraft used by a military service for its fixed-wing aviation demonstration teams, including the Blue Angels and Thunderbirds aircraft, until the Service's active and reserve duty squadrons and weapons training schools have replaced 100 percent of the existing type, model, and series of aircraft unless the Secretary grants a waiver to upgrade for the purposes of pilot safety.

The House bill contained no similar provision.

The Senate recedes.

The conferees note the valuable contributions to morale and public relations made by the Department of Defense's fixed-wing aviation demonstration teams, including the Blue Angels and Thunderbirds. However, the conferees believe operational squadrons, including guard, reserve, training, and weapons and tactics squadrons must be given priority in the fielding of upgraded aircraft over any demonstration team. The conferees expect the De-

partment to prioritize operational squadrons in their decisions regarding fielding of aircraft.

Report on personal protective equipment requirements for civil response teams to volcanic activity

The House bill contained a provision (sec. 336) that would require the Secretary of Defense, in coordination with the Secretary of Health and Human Services, the Administrative of the Federal Emergency Management Agency, and the Director of the United States Geological Survey, to submit a report on personal protective equipment requirements for civil defense response teams to volcanic activity and civilian communities in the vicinity of active volcanic activity, including protection against sulfur dioxide gas.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense, in coordination with the Secretary of Health and Human Services, the Administrative of the Federal Emergency Management Agency, and the Director of the United States Geological Survey, to submit a report no later than December 2, 2018 on personal protective equipment requirements for civil defense response teams to volcanic activity and civilian communities in the vicinity of active volcanic activity, including protection against sulfur dioxide gas.

Redesignation of the Utah Test and Training Range (UTTR)

The Senate amendment contained a provision (sec. 339) that would allow the Utah Test and Training Range located in northwestern Utah and eastern Nevada to be redesignated.

The House bill contained no similar provision.

The Senate recedes.

Shiloh National Military Park boundary adjustment and Parker's Crossroads Battlefield designation

The House bill contained a provision (sec. 342) that would modify the boundary of the Shiloh National Military Park located in Tennessee and Mississippi, to establish Parker's Crossroads Battlefield as an affiliated area of the National Park System.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress regarding critical minerals

The House bill contained a provision (sec. 343) that would provide a Sense of Congress regarding critical minerals.

The Senate amendment contained no similar provision.

The House recedes.

Joint Task Force for Explosive Ordnance Disposal and Countering Improvised Explosive Devices in United States Northern Command

The House bill contained a provision (sec. 347) that would require a plan by the Secretary of Defense to organize a Joint Task Force for Explosive Ordnance Disposal and Countering Improvised Explosive Devices at United States Northern Command.

The Senate bill contained no similar provision.

The House recedes.

The conferees recognize the importance of a robust domestic capability to conduct explosive ordnance disposal and to counter improvised explosive devices. The conferees also recognize that the Department of Defense should provide an important supporting role to other Federal agencies leading efforts to address these challenges in the United States. The conferees note that interagency cooperation across the Federal government on these issues is vital. Therefore, the conferees direct the Secretary of Defense to brief the Committees on Armed Services of the Senate and the House of Representatives, no later than February 1, 2019, on the role of the Department of Defense as part of the interagency effort to address domestic incidents of explosive ordnance disposal, counter improvised explosive devices, and develop potential methods to increase cooperation between the Department of Defense and other Federal agencies.

Evaluation of pilot safety by Military Aviation and Installation Assurance Siting Clearinghouse

The House bill contained a provision (sec. 1049) that would require the Military Aviation and Installation Assurance Siting Clearinghouse to assess pilot safety when evaluating energy projects.

The Senate bill contained a similar provision (sec. 313).

The conference agreement does not include either provision.

Report on cold weather capabilities and readiness of United States Armed Forces

The House bill contained a provision (sec. 1089) that would state that the Secretary of Defense shall ensure that the Department of Defense shall engage with local indigenous communities in developing any Arctic survival curriculum.

The Senate amendment contained two similar provisions (sec. 322 and sec. 5304) that would require the Secretary of Defense to submit to the congressional defense committees a report on the current cold weather capabilities and readiness of the United States Armed Forces.

The provisions are not adopted.

The conferees direct the Secretary of Defense to submit a report to the congressional defense committees not later than 180 days after the date of enactment of this Act on current cold weather capabilities and readiness of the United States Armed Forces. The report shall contain the following elements:

(1) A description of current cold weather capabilities and training to support United States military operations in cold climates across the joint force;

(2) A description of anticipated requirements for United States military operations in cold and extreme cold weather in the Arctic, Northeast Asia, and Northern and Eastern Europe;

(3) A description of the current cold weather readiness of the joint force, the ability to increase cold weather training across the joint force, and any equipment, infrastructure, personnel, or resource limitations or gaps that may exist;

(4) An analysis of potential opportunities to expand cold weather training for the Army, the Navy, the Air Force, and the Marine Corps and the resources or infrastructure required for such expansion; and

(5) An analysis of potential partnerships with State, local, Tribal, and private entities to maximize training potential and to utilize local expertise, including traditional indigenous knowledge.

Briefing on the status of the plan of the Army to transition to new insecticide pretreatments on combat uniforms

The Senate amendment contained a provision (sec. 5502) that would require the Secretary of the Army to provide a briefing on the status of approval of and any plan to transition to the use of new insecticide pretreatments on combat uniforms.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Secretary of the Army no later than December 1, 2018 to provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing on the status of approval of, and any plan to transition to, the use of new insecticide treatments on combat uniforms.

TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

Subtitle A—Active Forces

End strengths for active forces (sec. 401)

The House bill contained a provision (sec. 401) that would authorize active-duty end strength as of September 30, 2019 as follows: Army 487,500; Navy 335,400; Marine Corps 186,100; Air Force 329,100.

The Senate amendment contained a provision (sec. 401) that would authorize active-duty end strength as of September 30, 2019 as follows: Army 485,741; Navy 331,900; Marine Corps 186,100; Air Force 325,720.

The Senate recedes.

Revisions in permanent active duty end strength minimum levels (sec. 402)

The House bill contained a provision (sec. 402) that would establish new minimum Active Duty end strengths for the Army, Navy, Marine Corps, and Air Force as of September 30, 2019. The committee recommends 487,500 as the minimum Active Duty end strength for the Army, 335,400 as the minimum Active Duty end strength for the Navy, 186,100 as the minimum Active Duty end strength for the Marine Corps, and 329,100 as the minimum Active Duty end strength for the Air Force.

The Senate amendment contained no similar provision.

The Senate recedes.

Subtitle B—Reserve Forces

End strengths for Selected Reserve (sec. 411)

The House bill contained a provision (sec. 411) that would authorize the following end strengths for Selected Reserve personnel of the Armed Forces as of September 30, 2019: the Army National Guard, 343,500; the Army Reserve, 199,500; the Navy Reserve, 59,100; the Marine Corps Reserve, 38,500; the Air National Guard of the United States, 107,100; the Air Force Reserve, 70,000; and the Coast Guard Reserve, 7,000.

The Senate amendment contained a provision (sec. 411) that would authorize the following end strengths for Selected Reserve personnel of the Armed Forces as of September 30, 2019: the Army National Guard, 343,500; the Army Reserve, 199,500; the Navy Reserve, 59,000; the Marine Corps Reserve, 38,500; the Air National Guard of the United States, 106,600; the Air Force Reserve, 69,800; and the Coast Guard Reserve, 7,000.

The Senate recedes.

End strengths for reserves on active duty in support of the reserves (sec. 412)

The House bill contained a provision (sec. 412) that would authorize the following end strengths for Reserves on Active Duty in support of the reserve components as of September 30, 2019: the Army National Guard of the United States, 30,595; the Army Reserve, 16,386; The Navy Reserve, 10,110; the Marine Corps Reserve, 2,261; the Air National Guard of the United States, 19,861; and the Air Force Reserve, 3,849.

The Senate amendment contained an similar provision (sec. 412) that would authorize the following end strengths for Reserves on Active Duty in support of the reserve components as of September 30, 2019: the Army National Guard of the United States, 30,155; the Army Reserve, 16,261; The Navy Reserve, 10,101; the Marine Corps Reserve, 2,261; the Air National Guard of the United States, 19,450; and the Air Force Reserve, 3,588.

The Senate recedes.

End strengths for military technicians (dual status) (sec. 413)

The House bill contained a provision (sec. 413) that would authorize the following end strengths for military technicians (dual status) as of September 30, 2019: the Army National Guard of the United States, 22,294; the Army Reserve, 6,492; the Air National Guard of the United States, 18,969; and the Air Force Reserve, 8,880.

The Senate amendment contained an identical provision (sec. 413).

The conference agreement includes this provision with an amendment that would authorize end strength for military technicians (dual status) for the Air National Guard of the United States at 15,861. The conferees note that this authorization aligns with the corrected President's Budget Request, which was received after both the House bill and Senate amendment were passed.

Maximum number of reserve personnel authorized to be on active duty for operational support (sec. 414)

The House bill contained a provision (sec. 414) that would authorize the maximum number of reserve component personnel who may be on Active Duty or full-time National Guard duty under section 115(b) of title 10, United States Code, during fiscal year 2019 to provide operational support.

The Senate amendment contained an identical provision (sec. 414).

The conference agreement includes this provision.

Subtitle C—Authorization of Appropriations

Military personnel (sec. 421)

The House bill contained a provision (sec. 421) that would authorize appropriations for military personnel at the levels identified in the funding table in section 7401 of this Act.

The Senate amendment contained a similar provision (sec. 421).

The House recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

End strengths for commissioned officers on active duty in certain grades

The Senate amendment contained a provision (sec. 402) that would authorize Active-Duty end strengths for officers in grades of major, lieutenant colonel, and colonel, and Navy grades of lieutenant commander, commander, and captain as of September 30, 2019.

The House bill contained no similar provision.

The Senate recedes.

Limitation on use of funds for personnel in fiscal year 2019 in excess of statutorily specified end strengths for fiscal year 2018

The Senate amendment contained a provision (sec. 422) that would prohibit the Department of Defense from increasing end strengths for the various military departments and components beyond the levels authorized by the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) until the Secretary of Defense submits the report on "Highest-Priority Roles and Missions of the Department of Defense and the Armed Forces" required elsewhere in this Act.

The House bill contained no similar provision.

The Senate recedes.

TITLE V—MILITARY PERSONNEL POLICY

Subtitle A—Officer Personnel Policy

Repeal of requirement for ability to complete 20 years of service by age 62 as qualification for original appointment as a regular commissioned officer (sec. 501)

The Senate amendment contained a provision (sec. 503) that would amend section 532 of title 10, United States Code, to repeal the requirement that original officer appointments may only be granted to individuals who are able to complete 20 years of commissioned service prior to reaching age 62.

The House bill contained no similar provision.

The House recedes.

Enhancement of availability of constructive service credit for private sector training or experience upon original appointment as a commissioned officer (sec. 502)

The House bill contained a provision (sec. 501) that would amend sections 533 and 12207 of title 10, United States Code, to permit the secretaries of the military departments additional discretion to determine the grade of certain individuals receiving an original appointment as a regular or reserve commissioned officer.

The Senate amendment contained a similar provision (sec. 504) that would amend sections 533 and 12207 of title 10, United States Code, to authorize service secretaries to award constructive credit to newly-appointed active and reserve component officers for special training or experience not to exceed the amount of constructive credit required for appointment in the grade of colonel in the Army, Air Force, and Marine Corps or captain in the Navy. This provision would also repeal the temporary authority to award constructive credit for critically necessary cyberspace-related experience.

The House recedes.

Standardized temporary promotion authority across the military departments for officers in certain grades with critical skills (sec. 503)

The Senate amendment contained a provision (sec. 505) that would amend chapter 35 of title 10, United States Code, by adding a new section to authorize each military service to award temporary promotions to the grade of O–3, O–4, O–5, and O–6 for officers serving in specified positions. This provision would also repeal a similar authority, which was previously only applicable to the Navy.

The House bill contained no similar provision.

The House recedes.

Authority for promotion boards to recommend officers of particular merit be placed higher on a promotion list (sec. 504)

The House bill contained a provision (sec. 503) that would amend sections 616, 618, and 624 of title 10, United States Code, to allow officer promotion boards to recommend officers of particular merit be placed at the top of the promotion list, and to allow

the secretary of the military department concerned to re-order the promotion list accordingly.

The Senate amendment contained a similar provision (sec. 506) that would amend section 616 and section 14108 of title 10, United States Code, to authorize service secretaries to allow officer promotion selection boards to place officers of particular merit higher on a regular or reserve promotion list.

The House recedes with an amendment that would authorize service secretaries to authorize regular officer promotion selection boards to place officers higher on a promotion list.

Authority for officers to opt out of promotion board consideration (sec. 505)

The Senate amendment contained a provision (sec. 507) that would amend section 619 and section 14301 of title 10, United States Code, to authorize service secretaries, based on the request of an officer and only when deemed to be in the best interests of the military departments, to remove an officer from consideration by a selection board for promotion to the next higher grade.

The House bill contained no similar provision.

The House recedes.

Applicability to additional officer grades of authority for continuation on active duty of officers in certain military specialties and career tracks (sec. 506)

The Senate amendment contained a provision (sec. 511) that would amend section 637a of title 10, United States Code, to authorize service secretaries to allow officers in the grade of O–2 or above serving in certain specified military specialties to remain on Active Duty until reaching 40 years of active service.

The House bill contained no similar provision.

The House recedes.

Alternative promotion authority for officers in designated competitive categories of officers (sec. 507)

The Senate amendment contained a provision (sec. 510) that would authorize an alternative promotion process for officers in certain, service secretary-designated, competitive categories. This provision would also create a term-based selective continuation process for officers not selected for promotion.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Attending Physician to the Congress (sec. 508)

The House bill contained a provision (sec. 530) that would amend chapter 41 of title 10, United States Code, to require the grade of the attending physician to the Congress hold the grade of major general or rear admiral (upper half).

The Senate amendment contained no similar provision.

The Senate recedes.

Matters relating to satisfactory service in grade for purposes of retirement grade of officers in highest grade of satisfactory service (sec. 509)

The House bill contained a provision (sec. 505) that would amend section 1370 of title 10, United States Code, to clarify that the Secretary concerned may determine that an officer who committed misconduct in a lower grade has not served satisfactorily in any grade equal to or higher than that lower grade.

The Senate amendment contained a similar provision (sec. 516) that would amend section 1370 of title 10, United States Code, to: (1) Authorize a conditional determination of an officer's retired grade when the officer is under investigation for alleged misconduct at the time of retirement; (2) Authorize reopening of a determination or certification of an officer's retired grade under specified conditions; and (3) Provide that determinations of satisfactory service in grade for purposes of determining an officer's retired grade take into account the officer's service throughout a military career.

The House recedes with an amendment that would clarify that the Secretary concerned may determine that an officer who committed misconduct in a lower grade has not served satisfactorily in any grade equal to or higher than that lower grade.

Grades of Chiefs of Chaplains (sec. 510)

The House bill contained a provision (sec. 509) that would amend section 3073, 5142, and 8039 of title 10, United States Code, to require that the Chief of Chaplains for each military department, while so serving, hold the grade of major general for the Army and Air Force, or rear admiral (upper half) for the Navy.

The Senate amendment contained a similar provision (sec. 519) that would require the Secretary of Defense to specify a common grade across the military services for the positions of Chief of Chaplains.

The Senate amendment contained another similar provision (sec. 520) that would require service secretaries to submit a report to the Committees on Armed Services of the Senate and the House of Representatives that would provide written justification in the event an individual holding a rank below major general or rear admiral is appointed to the position of Service Chief of Chaplains.

The Senate recedes.

Repeal of original appointment qualification requirement for warrant officers in the regular Army (sec. 511)

The Senate amendment contained a provision (sec. 518) that would repeal section 3310 of title 10, United States Code, which requires original Regular Army warrant officer appointment be made from persons who have served at least 1 year on Active Duty in the Army.

The House bill contained no similar provision.

The House recedes.

Reduction in number of years of active naval service required for permanent appointment as a limited duty officer (sec. 512)

The Senate amendment contained a provision (sec. 517) that would amend section 5589(d) of title 10, United States Code, to offer permanent appointments to limited duty officers who have completed at least 8 years of active naval service.

The House bill contained no similar provision.

The House recedes.

Authority to designate certain reserve officers as not to be considered for selection for promotion (sec. 513)

The Senate amendment contained a provision (sec. 522) that would amend section 14301 of title 10, United States Code, to authorize service secretaries to defer promotion consideration for reserve component servicemembers in a non-participatory, membership-only status.

The House bill contained no similar provision.

The House recedes.

GAO review of surface warfare career paths (sec. 514)

The House bill contained a provision (sec. 502) that would amend chapter 602 of title 10, United States Code, by adding a new section that would require the Secretary of the Navy to establish two career paths for surface warfare officers. The Secretary would be required to establish one career path in ship engineering systems and another in ship operations and combat systems, not later than January 1, 2021.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Comptroller General of the United States to submit a report to the congressional defense committees on surface warfare officer career paths.

Subtitle B—Reserve Component Management

Authorized strength and distribution in grade (sec. 515)

The House bill contained a provision (sec. 512) that would amend section 12011(a) and section 12012(a) of title 10, United States Code, to increase the total number of available control grade positions, which includes O–4, O–5, O–6, E–8, and E–9, authorized for the Air National Guard.

The Senate amendment contained no similar provision.

The Senate recedes.

Repeal of prohibition on service on Army Reserve Forces Policy Committee by members on active duty (sec. 516)

The Senate amendment contained a provision (sec. 524) that would amend section 10302 of title 10, United States Code, to permit the Army National Guard of the United States and United States Army Reserve officers serving on Active Duty to serve on the Army Reserve Forces Policy Committee.

The House bill contained no similar provision.

The House recedes.

Expansion of personnel subject to authority of the Chief of the National Guard Bureau in the execution of functions and missions of the National Guard Bureau (sec. 517)

The Senate amendment contained a provision (sec. 523) that would amend section 10508 of title 10, United States Code, to clarify the authority of the Chief of the National Guard Bureau to employ persons under certain provisions of title 5, United States Code, in furtherance of meeting the requirements of section 1053 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92), as amended by section 1084 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) and section 1083 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

The House bill contained no similar provision.

The House recedes with an amendment that would remove the reference to military technicians.

Authority to adjust effective date of promotion in the event of undue delay in extending Federal recognition of promotion (sec. 518)

The House bill contained a provision (sec. 513) that would amend section 14308(f) of title 10, United States Code, to provide that the date of rank of a National Guard officer is the date on which the promotion of that officer is approved by the State concerned, and would require the secretaries concerned to report to the Congress when a promotion scroll exceeds 200 days between date received and its date of publication.

The Senate amendment contained a similar provision (sec. 521) that would amend section 14308(f) of title 10, United States Code, to allow service secretaries to adjust the effective date of promotion for officers in the reserve component if the secretary concerned determines there was an undue delay in the federal recognition process and the delay is not attributable to the action, or inaction, of the officer concerned.

The House recedes.

National Guard Youth Challenge Program (sec. 519)

The House bill contained a provision (sec. 516) that would amend section 509(h) of title 32, United States Code, to authorize the transfer of additional national, state, and local equipment and facilities to the National Guard Youth Challenge program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would authorize the Department of Defense to transfer equipment and facilities to the National Guard for the purposes of carrying out the National Guard Youth Challenge program.

Extension of authority for pilot program on the use of retired senior enlisted members of the Army National Guard as Army National Guard recruiters (sec. 520)

The House bill contained a provision (sec. 514) that would extend the authority of the pilot program on the use of retired senior enlisted members of the Army National Guard as Army National Guard recruiters until 2021.

The Senate amendment contained no similar provision.

The Senate recedes.

Subtitle C—General Service Authorities and Correction of Military Records

Enlistments vital to the national interest (sec. 521)

The House bill contained a provision (sec. 521) that would modify section 504(b) of title 10, United States Code, to clarify requirements for certain enlistments vital to the national interest.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment that would further clarify the requirements for these enlistments. The conferees believe the Military Accessions Vital to National Interest, or MAVNI, program continues to be an important option for the acquisition of certain critical skills for military service.

Statement of benefits (sec. 522)

The House bill contained a provision (sec. 522) that would require the Secretary of Defense to provide Active Duty and Reserve service members an authoritative assessment of their earned GI Bill benefits prior to separation, retirement, or release from Active Duty or demobilization.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to provide an assessment of benefits to members of the reserve component upon release from active duty.

Modification to forms of support that may be accepted in support of the mission of the Defense POW/MIA Accounting Agency (sec. 523)

The House bill contained a provision (sec. 523) that would amend subsection (a) of section 1501a of title 10, United States Code, to modify the forms of support that may be accepted by the Defense POW/MIA Accounting Agency (DPAA) in support of its mission. The provision would authorize an employee of a non-government entity that has entered into a public-private partnership, cooperative agreement, or grant arrangement with, or in direct support of the DPAA, to be considered as an employee of the Federal government by reason of participation in such partnership, cooperative agreement, or grant arrangement only for purposes relating to maintenance of records on individuals under section 552a of title 5, United States Code. In addition, the provision would authorize DPAA to accept gifts in support of its mission and would specify how DPAA could use such gifts.

The Senate amendment contained no similar provision.

The Senate recedes.

Assessment of Navy standard workweek and related adjustments (sec. 524)

The Senate amendment contained a provision (sec. 531) that would require the Secretary of the Navy to conduct an assessment of the Navy standard workweek and update relevant instructions and policy documents.

The House bill contained no similar provision.

The House recedes with a technical amendment.

The conferees agree on the importance of regularly assessing the sufficiency of unit-level manning to accomplish assigned tasks.

The conferees note that the House report accompanying H.R. 5515 (H. Rept. 115–676) of the National Defense Authorization Act for Fiscal Year 2019 directs the Chief of Naval Operations to provide a briefing on how the Navy is addressing crew fatigue, watch rotations, and overall workload for crewmembers of surface ships. The conferees direct the Chief of Naval Operations to provide this briefing to both the Committee on Armed Services of the Senate and the House of Representatives. The conferees further direct the Secretary of the Navy to include in this briefing any preliminary findings related to this provision.

Notification on manning of afloat naval forces (sec. 525)

The Senate amendment contained a provision (sec. 532) that would require the Secretary of the Navy to maintain manning of ships assigned to the Forward Deployed Naval Forces at levels not less than the levels established for each ship class.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of the Navy to notify the congressional defense committees if the manning of a battle force ship drops below specified levels.

Navy watchstander records (sec. 526)

The Senate amendment contained a provision (sec. 533) that would require the Secretary of the Navy to require key watchstanders on Navy surface ships to maintain a career record of watchstanding hours and specific operational evolutions.

The House bill contained no similar provision.

The House recedes with an amendment that would add the conning officer or piloting officer and engineering officer of the watch to the definition of key watchstanders, as well as require briefings to the Committees on Armed Services of the Senate and the House of Representatives.

Qualification experience requirements for certain Navy watchstations (sec. 527)

The Senate amendment contained a provision (sec. 534) that would require the Secretary of the Navy to submit a report to the congressional defense committees on the adequacy of individual training for certain Navy watchstations, including any planned or recommended changes in qualification standards.

The House bill contained no similar provision.

The House recedes with an amendment that would add the conning officer or piloting officer and engineering officer of the watch to the watchstations covered by the report.

Subtitle D—Military Justice

Inclusion of strangulation and suffocation in conduct constituting aggravated assault for purposes of the Uniform Code of Military Justice (sec. 531)

The Senate amendment contained a provision (sec. 542) that would amend section 928 of title 10, United States Code (article 128 of the Uniform Code of Military Justice), to include strangulation and suffocation in conduct constituting aggravated assault for purposes of the Uniform Code of Military Justice.

The House bill contained no similar provision.

The House recedes.

Punitive article on domestic violence under the Uniform Code of Military Justice (sec. 532)

The House bill contained a provision (sec. 532) that would amend subchapter X of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), to add a new section 928a regarding domestic violence.

The Senate amendment contained a similar provision (sec. 541).

The House recedes with an amendment that would remove the proposed definitions of immediate family, intimate partner, protection order, strangling, suffocating, and violent offense so that these elements can be defined through changes to the Manual for Courts-Martial.

Authorities of Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces (sec. 533)

The House bill contained a provision (sec. 533) that would amend section 546 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) to require the Department of Defense to provide information to the Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces that the panel deems necessary to carry out its duties.

The Senate amendment contained a similar provision (sec. 543) that would amend section 546 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) to authorize the Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces (Advisory Committee) to hold hearings and to require other Federal agencies to provide information requested by the Advisory Committee. These authorities are similar to authorities provided to the prior congressionally-mandated, sexual assault-related Response Systems Panel and Judicial Proceedings Panel.

The House recedes with an amendment that would require Federal agencies providing information to the Advisory Committee to take steps to prevent the unauthorized disclosure of personally identifiable information.

Report on feasibility of expanding services of the Special Victims' Counsel to victims of domestic violence (sec. 534)

The Senate amendment contained a provision (sec. 545) that would amend section 1044e of title 10, United States Code, to expand eligibility for Special Victims' Counsel services to victims of domestic violence and other aggravated violent offenses.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense, in consultation with the Secretaries of the military departments, to submit a report to the Committees on Armed Services of the Senate and the House of Representatives regarding the feasibility and advisability of expanding eligibility for the Special Victims' Counsel program.

Uniform command action form on disposition of unrestricted sexual assault cases involving members of the Armed Forces (sec. 535)

The Senate amendment contained a provision (sec. 548) that would require the Secretary of Defense to establish a uniform command action form, applicable across the Armed Forces, for reporting the final disposition of certain sexual assault cases.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the mandatory elements of the form, allowing the Department to determine the information that would be included in the form.

Standardization of policies related to expedited transfer in cases of sexual assault or domestic violence (sec. 536)

The House bill contained a provision (sec. 543) that would require the Secretary of Defense to standardize the expedited transfer procedures for servicemembers who are the victim of sexual assault, regardless of whether their cases are handled by the Sexual Assault Prevention and Response Program or the Family Advocacy Program, and would require the Secretary to establish a transfer policy for service members whose dependent is the victim of sexual assault perpetrated by an unrelated service member.

The Senate amendment contained a similar provision (sec. 547) that would require the Secretary of Defense to expand eligibility for expedited transfer to servicemembers who are victims of sexual assault and physical domestic violence.

The Senate recedes with an amendment that would require the Secretary of Defense to standardize the expedited transfer procedures for service members who are victims of sexual assault or physical domestic violence.

Subtitle E—Other Legal Matters

Clarification of expiration of term of appellate military judges of the United States Court of Military Commission Review (sec. 541)

The Senate amendment contained a provision (sec. 546) that would amend section 950f of title 10, United States Code, to clarify the expiration of the term of an appellate military judge of the United States Court of Military Commission Review.

The House bill contained no similar provision.

The House recedes.

Security clearance reinvestigation of certain personnel who commit certain offenses (sec. 542)

The House bill contained a provision (sec. 541) that would amend section 1564 of title 10, United States Code, to require the Secretary of Defense to conduct a security clearance background reinvestigation under expedited procedures for flag officers and Senior Executive Service personnel employed by the Department of Defense convicted of sexual assault, sexual harassment, fraud against the United States, or other serious crimes.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify requirements related to those individuals who have separated from the Department of Defense.

Development of oversight plan for implementation of Department of Defense harassment prevention and response policy (sec. 543)

The House bill contained a provision (sec. 544) that would require the Department of Defense to develop an oversight plan and provide a report to the Committees on Armed Services of the Senate and the House of Representatives for implementation of the Department of Defense Harassment Prevention and Response policy.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Oversight of registered sex offender management program (sec. 544)

The House bill contained a provision (sec. 536) that would require the Secretary of Defense to designate a single official or entity within the Office of the Secretary of Defense to serve as the official or entity with principal responsibility for providing oversight of the registered sex offender management program of the Department.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Development of resource guides regarding sexual assault for the military service academies (sec. 545)

The House bill contained a provision (sec. 545) that would require each Superintendent of a military service academy to develop and maintain a resource guide on sexual assault, and distribute the guide to all cadets and midshipmen at the academy.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Improved crime reporting (sec. 546)

The House bill contained a provision (sec. 535) that would require the Secretary of Defense to establish a consolidated tracking process to ensure increased oversight of the timely submission of crime reporting data to the Federal Bureau of Investigation.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Report on victims of sexual assault in reports of military criminal investigative organizations (sec. 547)

The House bill contained a provision (sec. 546) that would require the Secretary of Defense, through the Defense Advisory Committee on Investigations, Prosecutions, and Defense of Sexual Assault in the Armed Forces, to provide a report every 2 years on the frequency with which victims of sexual offenses identified in military criminal investigative organization cases are accused of or punished for misconduct considered collateral to the investigation of sexual assault.

The Senate amendment contained a similar provision (sec. 549) that would require the inclusion of information on certain collateral misconduct of victims of sexual assault in annual reports on sexual assault involving members of the Armed Forces.

The Senate recedes.

Subtitle F—Member Education, Training, Resilience, and Transition

Permanent career intermission program (sec. 551)

The House bill contained a provision (sec. 551) that would amend chapter 40 of title 10, United States Code, by adding section 710 and removing all references to the program as a pilot program, making the Career Intermission Program a permanent authority.

The Senate amendment contained no similar provision.

The Senate recedes.

Improvements to Transition Assistance Program (sec. 552)

The House bill contained a provision (sec. 552) that would amend section 1142 of title 10, United States Code, to improve the Transition Assistance Program by: (1) Establishing at least three transition counseling pathways for servicemembers; (2) Requiring the Department of Defense to provide a copy of the joint service transcript to a servicemember prior to transition to veteran status and to transmit the transcript to the Secretary of Veterans Affairs; and (3) Allowing transitioning servicemembers to select a portion of the content covered during the transition assistance period of instruction.

The Senate amendment contained a provision (sec. 5501) that would require a report from the Secretary of Defense on participation by servicemembers in the Transition Assistance Program under section 1144 of title 10, United States Code.

The Senate recedes with an amendment that would remove the requirement for the Secretary of Veterans Affairs to ensure that a separated, retired, or discharged servicemember can access the member's joint service transcript from a web site of the Department of Veterans Affairs.

Repeal of program on encouragement of postseparation public and community service (sec. 553)

The Senate amendment contained a provision (sec. 555) that would repeal section 1143a of title 10, United States Code, to strike all references to the Department of Defense's program to encourage members and former members of the Armed Forces to enter into

public and community service jobs after discharge or release from Active Duty.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Clarification of application and honorable service requirements under the Troops-to-Teachers Program to members of the Retired Reserve (sec. 554)

The Senate amendment contained a provision (sec. 553) that would amend section 1154(d)(2)(B) of title 10, United States Code, to require that members transferred to the Retired Reserve who wish to submit applications to participate in the Troops-to-Teachers program must do so not later than 3 years after the date of the transfer. This provision would apply the same application submission requirement to members transferred to the Retired Reserve in the same way the requirement currently applies to eligible members who are retired, separated, or released from Active Duty.

The House bill contained no similar provision.

The House recedes.

Employment and compensation of civilian faculty members at the Joint Special Operations University (sec. 555)

The House bill contained a provision (sec. 553) that would amend section 1595(c) of title 10, United States Code, to add the Joint Special Operations University to the list of covered institutions with authority to hire civilian faculty under title 10.

The Senate amendment contained an identical provision (sec. 1106).

The conference agreement includes this provision.

Program to assist members of the Armed Forces in obtaining professional credentials (sec. 556)

The House bill contained a provision (sec. 554) that would amend section 2015 of title 10, United States Code, to further assist members of the Armed Forces in obtaining professional credentials.

The Senate amendment contained a similar provision (sec. 556) that would amend section 2015 of title 10, United States Code, to authorize the Secretary of the Defense and the Secretary of Homeland Security to enable members of the Armed Forces to obtain professional credentials that do not relate to military training if the Secretary concerned determines it is in the best interests of the United States.

The Senate recedes.

Enhancement of authorities in connection with Junior Reserve Officers' Training Corps programs (sec. 557)

The House bill contained a provision (sec. 560C) that would authorize a Service Secretary to offer to convert closing Junior Reserve Officers' Training Corps (JROTC) units to National Defense Cadet Corps programs in lieu of closing the unit. The provision would also provide additional authority to administer JROTC unit instructors, travel funding, and program data.

The Senate amendment contained a similar provision (sec. 557) that would amend chapter 102 of title 10, United States Code, by requiring the Secretary of Defense to offer to convert closing JROTC detachments into National Defense Cadet Corps organizations. This provision would also provide flexibility to service secretaries in setting JROTC instructor hiring and compensation policy. Additionally, the provision would require the Secretary of Defense to standardize JROTC detachment data collection methods and policy across the military departments.

The House recedes.

Expansion of period of availability of Military OneSource program for retired and discharged members of the Armed Forces and their immediate families (sec. 558)

The House bill contained a provision (sec. 557) that would extend the duration of availability of the Military OneSource program for servicemembers and their immediate family members for at least 1 year after their separation or retirement.

The Senate amendment contained a similar provision (sec. 567).

The House recedes.

Prohibition on use of funds for attendance of enlisted personnel at senior level and intermediate level officer professional military education courses (sec. 559)

The Senate amendment contained a provision (sec. 554) that would prohibit the use of any funds authorized to be appropriated for the Department of Defense for the purpose of the attendance of enlisted personnel at senior level and intermediate level officer professional military education courses. The provision would also repeal section 547 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

The House bill contained no similar provision.

The House recedes with an amendment that would continue to allow enlisted personnel to attend courses offered by the National Defense Intelligence College.

Subtitle G—Defense Dependents' Education

Assistance to schools with military dependent students (sec. 561)

The House bill contained a provision (sec. 563) that would authorize $40.0 million for the purpose of providing assistance to local educational agencies with military dependent students and $10.0 million for local educational agencies eligible to receive a payment for children with severe disabilities.

The Senate amendment contained a similar provision (sec. 561) that would authorize $40.0 million in Operation and Maintenance, Defense-wide, for continuation of the Department of Defense (DOD) assistance program to local educational agencies impacted by enrollment of dependent children of military members and DOD civilian employees.

The Senate amendment contained another similar provision (sec. 562) that would authorize $10.0 million in Operation and Maintenance, Defense-wide, for impact aid payments for children

with severe disabilities (as enacted by Public Law 106–398; 114 Stat. 1654A–77; 20 U.S.C. 7703a) using the formula set forth in section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106–398), for continuation of Department of Defense assistance to local educational agencies that benefit eligible dependents with severe disabilities. Subsection (b) of the provision would allow the Secretary of Defense to use $5.0 million of the total amount authorized for payments to local educational agencies with higher concentrations of military children with severe disabilities at the Secretary's discretion and without regard to the formula set forth in section 363 of the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106–398).

The House recedes with a technical amendment.

Department of Defense Education Activity policies and procedures on sexual harassment of students of Activity schools (sec. 562)

The Senate amendment contained a provision (sec. 563) that would equally apply the provisions contained in title IX of the Education Amendments of 1972 (20 U.S.C. 1681 et seq.), with respect to education programs and activities receiving Federal financial assistance, to the education programs and activities administered by the Department of Defense Education Activity (DODEA). The provision would require DODEA to establish policies and procedures, not later than March 31, 2019, to protect students at DODEA schools who are victims of sexual harassment.

The House bill contained no similar provision.

The House recedes.

Department of Defense Education Activity misconduct database (sec. 563)

The House bill contained a provision (sec. 564) that would require the Secretary of Defense to establish a comprehensive policy regarding reporting and tracking juvenile misconduct cases occurring in Department of Defense Education Activity schools and to consolidate the various databases for reporting and tracking of juvenile misconduct occurring in such schools into a single comprehensive database.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Assessment and report on active shooter threat mitigation at schools located on military installations (sec. 564)

The House bill contained a provision (sec. 570) that would require the Secretary of Defense to conduct an assessment of strategies that may be used to reduce the security threat posed by active shooter incidents at public elementary schools and secondary schools located on the grounds of Federal military installations. The Secretary would submit a report on the results of the assessment to the congressional defense committees not later than 180 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary to submit the report to the Committees on Armed Services of the Senate and the House of Representatives.

Subtitle H—Military Family Readiness Matters

Department of Defense Military Family Readiness Council matters (sec. 571)

The Senate amendment contained a provision (sec. 571) that would amend paragraphs (1)(B) and (2) of subsection (b) of section 1781a of title 10, United States Code, to: (1) Authorize a change in membership of the Military Family Readiness Council (MFRC); and (2) Change the term of service from 3 years to 2 years for military family organizations serving on the MFRC. The provision would also amend subsection (d), paragraph 2, of such section to require the MFRC to review and make recommendations to the Secretary of Defense to improve collaboration, awareness, and promotion of accurate and timely military family readiness information and support services by policy makers, service providers, and targeted beneficiaries. Finally, the provision would amend subsection (e) of such section to change the submission date for the MFRC's annual report from February 1 to July 1 of each year.

The House bill contained no similar provision.

The House recedes.

Enhancement and clarification of family support services for family members of members of special operations forces (sec. 572)

The House bill contained a provision (sec. 561) that would amend section 1788a of title 10, United States Code, to provide greater flexibility to support the family requirements of Special Operations personnel by increasing the funds available for such activities under Major Force Program 11 from $5.0 million to $10.0 million. This section would also define the term "family support services" to provide clarity and authorize proper expenditures of appropriated funds.

The Senate amendment contained a similar provision (sec. 566) that would modify section 1788a of title 10, United States Code, pertaining to the authority for the Commander, U.S. Special Operations Command to conduct support programs for immediate family members of members of the Armed Forces assigned to special operations forces. The modification was intended to clarify the types of support services that are authorized under this program.

The Senate recedes with an amendment that would increase the amounts available for Major Force Program 11 from $5.0 million to $10.0 million to support programs for immediate family members of members of the Armed Forces assigned to special operations forces and would also define the term "family support services" to provide clarity and authorize proper expenditures of appropriated funds.

Temporary expansion of authority for noncompetitive appointments of military spouses by Federal agencies (sec. 573)

The House bill contained a provision (sec. 569) that would expand the authority for noncompetitive appointments of military

spouses by federal agencies during the 2-year period beginning on the date of the enactment of this Act.

The Senate amendment contained a provision (sec. 568) that would amend section 3330d of title 5, United States Code, to authorize the head of a Federal agency to appoint non-competitively either a spouse of a member of the Armed Forces on Active Duty or a spouse of a disabled or deceased member of the Armed Forces.

The House recedes with an amendment that would require the Director of the Office of Personnel Management to: (1) Monitor the number of such non-competitive appointments; (2) Require the head of each agency with authority to make such appointments under this provision to submit an annual report to the Director, which includes information on the number of individuals appointed, types of positions filled, and the effectiveness of the authority for such appointments; and (3) Submit a report, not later than 2 and 4 years after the date of the enactment of this Act, to the Committee on Oversight and Government Reform of the House of Representatives and the Committee on Homeland Security and Government Affairs of the Senate on the effectiveness of this authority. Finally, the amendment would require the Director to treat non-relocating spouses as relocating spouses under this authority and would authorize limitation of the number of appointments of such spouses. The amended provision would sunset on the date that is 5 years after the date of the enactment of this Act.

Improvement of My Career Advancement Account program for military spouses (sec. 574)

The Senate amendment contained a provision (sec. 569) that would require the Secretary of Defense to take appropriate actions to ensure that military spouses eligible for participation in the My Career Advancement Account (MyCAA) program are made aware of the program. The provision would require the Comptroller General of the United States to submit a report to the Committees on Armed Services of the Senate and the House of Representatives within 180 days of the date of the enactment of this Act, providing recommendations regarding mechanisms: (1) To increase awareness of the program among eligible military spouses; and (2) To increase participation in the program. Additionally, the provision would require the service secretaries to take actions to ensure career counselors at military installations receive appropriate training and current information on eligibility and benefits utilization under the MyCAA program, including financial assistance for the costs associated with portability of occupational licenses, professional credentials exams, and professional re-certification.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Assessment and report on the effects of permanent changes of station on employment among military spouses (sec. 575)

The House bill contained a provision (sec. 565) that would require the Secretary of Defense to submit a report to Congress assessing the effects that frequent permanent changes of station of servicemembers have on employment of military spouses.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to conduct an assessment and to provide a report by February 1, 2019, to the Committees on Armed Services of the Senate and the House of Representatives assessing the effects that permanent changes of station have on employment of military spouses.

Provisional or interim clearances to provide childcare services at military childcare centers (sec. 576)

The Senate amendment contained a provision (sec. 573) that would require the Secretary of Defense to implement a policy to permit the issuance of clearances, on a provisional or interim basis, for the provision of supervised childcare services by personnel at military childcare centers. This provision would provide that any clearance issued under the policy shall be temporary and contingent upon the satisfaction of the requirements for issuance of a clearance on a permanent basis.

The House bill contained no similar provision.

The House recedes.

Multidisciplinary teams for military installations on child abuse and other domestic violence (sec. 577)

The Senate amendment contained a provision (sec. 572) that would require the service secretaries to establish and maintain multidisciplinary teams on child abuse and other domestic violence at military installations to: (1) Share information among teams and other appropriate personnel regarding the progress of investigations and the resolution of incidents of child abuse and other domestic violence involving members of the Armed Forces stationed at or assigned to installations; (2) Provide for and enhance collaborative efforts among teams and other appropriate personnel of the installations regarding investigations into and resolution of incidents; (3) Enhance the social services available to military families at the installations in connection with incidents, including through the enhancement of cooperation among specialists and other personnel providing services to military families in connection with incidents; and (4) Conduct other duties regarding the response to child abuse and other domestic violence at the installations as the Secretary concerned considers appropriate. The provision would prescribe the composition, expertise and training, and ongoing responsibilities (including coordination and collaboration with nonmilitary services or resources on child abuse or other domestic violence) of teams. Additionally, the provision would require each Secretary concerned to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, not later than March 1, each year through 2022, on the activities of multidisciplinary teams under their jurisdiction during the preceding year.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Pilot program for military families: prevention of child abuse and training on safe childcare practices (sec. 578)

The Senate amendment contained a provision (sec. 574) that would require the Secretary of Defense, acting through the Defense Health Agency, to conduct a pilot program at military installations to assess the feasibility and advisability of universal home visits to provide eligible covered beneficiaries and their families training on safe childcare practices aimed at: (1) Reducing child abuse and fatalities due to abuse and neglect; (2) Assessing risk factors for child abuse; and (3) Connecting families with community resources to meet identified needs.

The provision would prescribe the scope and elements of the pilot program, including the requirement for home visits of eligible beneficiaries by a team led by a nurse, whenever practicable. The Secretary would be required to inform all eligible beneficiaries of the program and participation in the program would be at the election of the beneficiary. In conducting the pilot program, the Secretary would carry out not fewer than five implementation assessments to assess the feasibility of the elements and requirements of the program. These assessments would occur at not less than 5 military installations and conclude not later than 2 years after the date of the enactment of this Act.

The Secretary would submit an initial report to the Committees on Armed Services of the Senate and the House of Representatives, not later than 180 days after the date of the enactment of this Act, which describes how the Department would carry out the program. The Department would then submit a final report to the same committees not later than 180 days after completion of the pilot program. Finally, the provision would require the Secretary to implement the pilot program at all military installations if he determines that any element of the program is effective.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to conduct a pilot program of up to 2 years duration at no fewer than five military installations to: (1) Provide information regarding safe childcare practices to covered households; (2) Identify and assess risk factors for child abuse in covered households; and (3) Facilitate connections between covered households and community resources. The amendment would require an initial and final report of the pilot program, as specified above, and would require the Secretary to implement an element of the program permanently if he determines it is effective.

Assessment and report on small business activities of military spouses on military installations in the United States (sec. 579)

The Senate amendment contained a provision (sec. 576) that would require the Secretary of Defense to submit a report to Congress providing an assessment of the feasibility and advisability of permitting military spouses to engage in small business activities on military installations in the United States in partnership with commissaries, exchange stores, and other morale, welfare, and recreation facilities of the Armed Forces.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to provide the report to the Committees on Armed Services of the Senate and the House of Representatives not later than March 1, 2019.

Subtitle I—Decorations and Awards

Atomic veterans service certificate (sec. 581)

The House bill contained a provision (sec. 560) that would require the Secretary of Defense to design and produce an Atomic Veterans Service Medal to honor retired and former servicemembers who are radiation-exposed veterans.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to design and produce an Atomic Veterans Service Certificate to honor retired and former servicemembers who are radiation-exposed veterans.

The conferees encourage the Secretary to consider an appropriate medal or award to recognize radiation-exposed servicemembers.

Award of medals or other commendations to handlers of military working dogs (sec. 582)

The House bill contained a provision (sec. 573) that would require the Secretary of each military department to provide for the award of one or more medals or other commendations to handlers of military working dogs, and to military working dogs, to recognize valor or meritorious achievement by such handlers and dogs.

The Senate amendment contained a similar provision (sec. 582) that would require the Secretary of each military department to establish a program for awarding one or more medals or other commendations to handlers of military working dogs.

The House recedes with an amendment that would clarify that the Secretary may use an existing award to carry out the program.

Authorization for award of distinguished-service cross to Justin T. Gallegos for acts of valor during Operation Enduring Freedom (sec. 583)

The House bill contained a provision (sec. 574) that would authorize the Secretary of the Army to award the Distinguished Service Cross to Justin T. Gallegos for acts of valor while serving in Afghanistan on October 3, 2009.

The Senate amendment contained a similar provision (sec. 581) that would authorize the Secretary of the Army to award the Distinguished Service Cross to Staff Sergeant Justin T. Gallegos for acts of valor while serving in Afghanistan on October 3, 2009.

The Senate recedes.

Subtitle J—Miscellaneous Reports and Other Matters

Annual defense manpower requirements report matters (sec. 591)

The Senate amendment contained a provision (sec. 502) that would amend section 115a of title 10, United States Code, to require the Annual Defense Manpower Requirements Report be sub-

mitted on the same day as the date on which the President submits the budget request for the next fiscal year to Congress.

The provision would also require the Secretary of Defense to include two new elements in the Annual Defense Manpower Requirements Report. These new elements are: (1) The anticipated promotion opportunity for officer promotion boards expected to occur during the upcoming fiscal year; and (2) The number of officers required to serve during the upcoming fiscal year in the rank of major, lieutenant colonel, and colonel for the Army, Air Force, and Marine Corps and lieutenant commander, commander, and captain for the Navy.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Annual Defense Manpower Requirements Report to include a specification of anticipated promotion opportunity for officer promotion boards expected to occur during the upcoming fiscal year. The amendment would also require the report to be submitted on the same day as the date on which the President submits the budget request for the next fiscal year to Congress.

Burial of unclaimed remains of inmates at the United States Disciplinary Barracks Cemetery, Fort Leavenworth, Kansas (sec. 592)

The Senate amendment contained a provision (sec. 596) that would amend section 985 of title 10, United States Code, to authorize burial at the United States Disciplinary Barracks Cemetery at Fort Leavenworth, Kansas, of the remains of military prisoners unclaimed by a person authorized to direct disposition of the remains or by other persons legally authorized to dispose of the remains.

The House bill contained no similar provision.

The House recedes.

Standardization of frequency of academy visits of the Air Force Academy Board of Visitors with academy visits of boards of other military service academies (sec. 593)

The Senate amendment contained a provision (sec. 592) that would amend section 9355 of title 10, United States Code, to require the United States Air Force Academy Board of Visitors to visit the Air Force Academy at least annually. This provision would align United States Air Force Academy Board of Visitor meeting requirements with other military service academies.

The House bill contained no similar provision.

The House recedes.

National Commission on Military, National, and Public Service matters (sec. 594)

The Senate amendment contained a provision (sec. 595) that would amend sections 551 and 555 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) to revise certain definitions and procedural requirements related to the National Commission on Military, National, and Public Service.

The House bill contained no similar provision.

The House recedes.

Public availability of top-line numbers of deployed members of the Armed Forces (sec. 595)

The House bill contained a provision (sec. 581) that would require the Secretary of Defense to publicly make available the top-line numbers of members of the Armed Forces deployed for each country. The Secretary would be able to waive the requirement in the case of a sensitive military operation if he determines the public disclosure of such numbers could reasonably be expected to provide an operational military advantage to an adversary, or the members of the Armed Forces are deployed for less than 30 days.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to provide notification to the Committees on Armed Services of the Senate and the House of Representatives of any waivers issued to the requirement to make top-line number of deployed servicemembers publicly available.

Report on general and flag officer costs (sec. 596)

The House bill contained a provision (sec. 583) that would require the Secretary of Defense to submit a report to the congressional defense committees on the costs of supporting general and flag officers.

The Senate amendment contained no similar provision.

The Senate recedes.

Study on active service obligations for medical training with other service obligations for education or training and health professional recruiting (sec. 597)

The Senate amendment contained a provision (sec. 552) that would amend sections 2114(d) and 2123(b) of title 10, United States Code, to require that commissioned service obligations incurred as a result of participation in a military intern, residency, or fellowship training program shall be served consecutively with other commissioned service obligations incurred for education or training. This provision would apply to individuals beginning participation in medical training programs on or after January 1, 2020.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Comptroller General of the United States to submit a briefing and report on the effects of consecutive service on Active-Duty service obligations for medical training, as they relate to other service obligations for education and training, to the Committees on Armed Services of the Senate and the House of Representatives not later than 180 days after the date of the enactment of this Act.

Criteria for interment at Arlington National Cemetery (sec. 598)

The House bill contained a provision (sec. 582) that would require the Secretary of the Army, not later than September 30, 2019, to prescribe revised interment criteria for Arlington National Cemetery that preserve Arlington National Cemetery as an active burial ground well into the future.

The Senate amendment contained no similar provision.

The Senate recedes.

Limitation on use of funds pending submittal of report on Army Marketing and Advertising Program (sec. 599)

The House bill contained a provision (sec. 585) that would prohibit the Secretary of the Army from obligating 40 percent of funds available for the Army Marketing and Research Group (AMRG) for fiscal year 2019 until the Secretary of the Army submits a report on the recommendations of the Army Audit Agency audit of the Army's Marketing and Advertising Program to the Committees on Armed Services of the Senate and House of Representatives.

The Senate bill contained a similar provision (sec. 892).

The Senate recedes.

While the Secretary of the Army completes the report required under this provision, the conferees strongly encourage the Secretary to continue proactively identifying and adopting the best practices of commercial marketing techniques to better identify eligible populations. Such efforts should include a focus on methods that use data to most effectively identify, reach, and engage potential recruits through digital and other forms of advertising to address recruiting shortfalls due to misdirected marketing campaigns.

Proof of period of military service for purposes of interest rate limitation under the Servicemembers Civil Relief Act (sec. 600)

The House bill contained a provision (sec. 596) that would amend section 3937(b)(1) of title 50, United States Code, to authorize verification of a servicemember's active duty status utilizing information retrieved from the Defense Manpower Database Center. The provision would also provide safe harbor to creditors that, on the basis of information obtained from the Defense Manpower Database Center, fail to treat the debt of a servicemember in accordance with interest rate limitations provided elsewhere in this section.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

LEGISLATIVE PROVISIONS NOT ADOPTED

Repeal of codified specification of authorized strengths of certain commissioned officers on active duty

The Senate amendment contained a provision (sec. 501) that would amend section 523 of title 10, United States Code, to require the Congress to annually authorize the number of officers serving in the grades of major, lieutenant colonel, and colonel in the Army, Air Force, and Marine Corps or lieutenant commander, commander, and captain in the Navy. This provision would repeal the authorized officer strength table, including all of the previous exceptions to the officer strength table.

The House bill contained no similar provision.

The Senate recedes.

Deferred deployment for members who give birth

The House bill contained a provision (sec. 504) that would standardize new mother deployment deferral policy across the military services, to include the Coast Guard.

The Senate amendment contained no similar provision.

The House recedes.

Retention of military technicians who lose dual status under certain circumstances

The House bill contained a provision (sec. 506) that would amend section 10216 of title 10, United States Code, to prevent dual-status military technicians who reach their time-in-service end date from losing their jobs due to separation from military service.

The Senate amendment contained no similar provision.

The House recedes.

Demonstration program on accession of candidates with auditory impairments as Air Force officers

The House bill contained a provision (sec. 507) that would require the Secretary of the Air Force to assess the feasibility and advisability of permitting individuals with auditory impairments (including deafness) to access as officers of the Air Force.

The Senate amendment contained no similar provision.

The House recedes.

Report on rate of maternal mortality among members of the Armed Forces

The House bill contained a provision (sec. 508) that would require a report from the Secretary of Defense on the rate of maternal mortality among members of the Armed Forces and their dependents not later than 180 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense to provide to the Committees on Armed Services of the Senate and the House of Representatives, within 180 days of the date of the enactment of this Act, a report, which includes data on maternal (pregnancy-related) and infant mortality rates in the direct and purchased care sectors of the military health system (MHS) and provides a comparison with maternal (pregnancy-related) and infant mortality rates in the United States. The report should include recommendations for decreasing those rates throughout the MHS.

Competitive category matters

The Senate amendment contained a provision (sec. 508) that would amend section 621 of title 10, United States Code, to require that service secretaries establish competitive categories by grouping officers occupying similar qualifications, specialties, occupations, or ratings. The provision would also prohibit the practice of requiring service secretaries to provide consistent promotion timing or promotion opportunity among various competitive categories in each military Service.

The House bill contained no similar provision.

The Senate recedes.

Promotion zone matters

The Senate amendment contained a provision (sec. 509) that would amend section 623 of title 10, United States Code, to require service secretaries to align officer promotion zones with desired officer management outcomes described in the Annual Defense Manpower Requirements Report. The provision would also prohibit service secretaries from determining the number of officers in a promotion zone on the basis of the year in which officers receive their original appointment to their current grade, a practice commonly referred as "year group management."

The House bill contained no similar provision.

The Senate recedes.

Placement of National Guard military technicians (dual status) in the competitive service

The House bill contained a provision (sec. 511) that would amend section 10508 of title 10, United States Code, to designate dual-status military technician positions that were required to be converted to civilian employees under title 5, United States Code, in the fiscal year 2017 and 2018 National Defense Authorization Acts as competitive, not excepted, service positions.

The Senate amendment contained no similar provision.

The House recedes.

National Guard Youth Challenge program

The House bill contained a provision (sec. 515) that would amend section 509(k) of title 32, United States Code, to require the Secretary of Defense to evaluate the pilot Jobs Challenge Programs and submit a report of findings and recommendations to Congress not later than 120 days after the end of each fiscal year.

The Senate amendment contained no similar provision.

The House recedes.

Use of National Guard in case of a major disaster or request from a State governor

The House bill contained a provision (sec. 517) that would require the President to order members of the National Guard to full-time National Guard duty or Active Guard and Reserve duty if the Governor of the State requests such an order and the President declares that a major disaster exists.

The Senate amendment contained no similar provision.

The House recedes.

Funding of National Guard in case of a major disaster or emergency declared under the Stafford Act

The House bill contained an provision (sec. 518) that would amend section 403(c) of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Public Law 100–707) to authorize the President to make contributions to a State or local government for the purpose of reimbursing the Department of Defense for expenditures that arise from use of members of the National Guard and Reserve to respond to a major disaster declared by the President.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that similar authority to reimburse State or local governments for disaster relief services provided by the Department of Defense already exists under section 5170b of title 42, United States Code.

Pilot program for Explosive Ordnance Disposal-qualified members of the Army National Guard to support civil authorities

The House bill contained a provision (sec. 519) that would authorize the Secretary of the Army to carry out a pilot program under which Explosive Ordnance Disposal-qualified members of the Army National Guard may conduct planning and immediate response defense support to civil authorities.

The Senate amendment contained no similar provision.

The House recedes.

Correction of military records website

The House bill contained a provision (sec. 524) that would amend section 1552(a)(5) of title 10, United States Code, to require the Secretary of Defense to publish an indexed summary of each Board for Correction of Military Records decision.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the substantial changes that have been made to the boards for correction of military records and discharge review boards over the past several years. While these provisions have greatly enhanced an applicant's ability to have their application thoroughly and fairly considered by the board, it has also increased the processing time for these actions. These additional protections, coupled with the boards' staff and information technology limitations, have resulted in several of the boards repeatedly failing to meet congressionally-mandated processing times. As a result, the conferees direct the secretaries of the military departments to each provide a report by February 1, 2019, analyzing the causes of their backlogs, what efforts are being undertaken to remedy these backlogs, and what additional resources are needed to meet congressionally-mandated processing times.

Modification of DD Form 214 to include email addresses

The House bill contained a provision (sec. 525) that would require the Secretary of Defense to modify the Certificate of Release or Discharge from Active Duty (DD Form 214) to include a specific block explicitly identified as the location in which a member of the Armed Forces may provide one or more email addresses by which the member may be contacted.

The Senate amendment contained no similar provision.

The House recedes.

Public availability of reports related to senior leader misconduct

The House bill contained a provision (sec. 526) that would require the Secretary of Defense and the Secretaries of the military departments to publish, on a public website, redacted reports of substantiated investigations of misconduct in which the subject of the investigation was an officer in the grade of O–7 and above, in-

cluding officers who have been selected for promotion to O–7, or a civilian member of the Senior Executive Service.

The Senate amendment contained no similar provision.

The House recedes.

Appointment and training of personnel to staff the Board of Corrections for Military and Naval Records

The House bill contained a provision (sec. 527) that would require the Secretary of Defense, in consultation with the service secretaries and the Joint Chiefs, to provide for the appointment and training of qualified personnel to join the staff of the Boards of Correction for Military and Naval Records, and would authorize $3.0 million to carry out the training.

The Senate amendment contained no similar provision.

The House recedes.

The conferees encourage the service secretaries to ensure that individuals assigned to these boards are carefully selected from individuals with appropriate experience and that they are trained to perform those duties.

Entrepreneurial sabbatical for scientists employed at defense laboratories

The House bill contained a provision (sec. 528) that would authorize the Secretary of Defense to prescribe regulations that permit scientists employed at defense laboratories to take unpaid sabbaticals to work in the private sector.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Department of Defense to provide a report within a year of the enactment of this Act on the execution of existing authorities for sabbaticals across the Department of Defense laboratories. The committees note their support for entrepreneurial leave practices and activities at Army Research Lab and the Department of Energy laboratory system, as well as industry and academic exchange programs.

Completion of Department of Defense Directive 2310.07E regarding missing persons

The House bill contained a provision (sec. 529) that would require the Secretary of Defense to complete Department of Defense Directive 2310.07E in order to improve the efficiency of locating missing persons.

The Senate amendment contained no similar provision.

The House recedes.

Minimum confinement period required for conviction of certain sex-related offenses committed by members of the Armed Forces

The House bill contained a provision (sec. 531) that would amend section 856(b)(1) of title 10, United States Code (article 56(b)(1) of the Uniform Code of Military Justice), to require a minimum confinement period of 2 years for individuals convicted of certain sex-related offenses.

The Senate amendment contained no similar provision.

The House recedes.

Modification of Military Rules of Evidence to exclude admissibility of general military character toward probability of innocence in any offense not strictly related to performance of military duties

The House bill contained a provision (sec. 534) that would amend Rule 404(a) of the Military Rules of Evidence contained in the Manual for Courts-Martial to provide that the general military character of an accused is not admissible for the purpose of showing the probability of innocence of the accused unless the offense is strictly and solely related to the performance of military duties.

The Senate amendment contained no similar provision.

The House recedes.

The conferees encourage the Secretary of Defense to direct the Joint Service Committee on Military Justice to examine this issue and provide the findings and recommendations of the study to the Committees on Armed Services of the Senate and House of Representatives no later than February 1, 2019.

Repeal of 15-year statute of limitations on motions or requests for review of discharge or dismissal from the Armed Forces

The Senate amendment contained a provision (sec. 535) that would amend section 1553 of title 10, United States Code, to repeal the 15-year statute of limitations on filing claims for review of a discharge or dismissal by service discharge review boards.

The House bill contained no similar provision.

The Senate recedes.

Treatment of claims relating to military sexual trauma in correction of military records and review of discharge or dismissal proceedings

The Senate amendment contained a provision (sec. 536) that would amend sections 1552 and 1553 of title 10, United States Code, to clarify the treatment of claims for review of a discharge or dismissal relating to military sexual trauma in correction of military records and review of discharge or dismissal proceedings.

The House bill contained no similar provision.

The Senate recedes.

Consideration of application for transfer for a student of a military service academy who is the victim of a sexual assault or related offense

The House bill contained a provision (sec. 542) that would require the Secretary concerned to expedite the consideration and approval of an application for an inter-academy transfer submitted by a cadet of a military academy who has been the victim of sexual assault.

The Senate amendment contained no similar provision.

The House recedes.

The Conferees believe that providing an option for a cadet or midshipman, who was sexually assaulted, to request a transfer to another academy should be explored. Therefore, the conferees direct the Secretary of Defense to study the feasibility of establishing a process to accommodate such request and provide a briefing on the results of the study to the Committee on Armed Services of the Senate and the House of Representatives not later than March 1,

2019. If the Secretary determines it is feasible to establish a process, the briefing should include any legislative authorities required.

Protective orders against individuals subject to the Uniform Code of Military Justice

The Senate amendment contained a provision (sec. 544) that would amend chapter 47 of title 10, United States Code, to authorize military judges and military magistrates to issue military protective orders.

The House bill contained no similar provision.

The Senate recedes.

Definition of military sexual trauma

The House bill contained a provision (sec. 547) that would require the Secretaries of Defense and Veterans Affairs to establish a joint definition of "military sexual trauma" for their respective Departments to use in all aspects of delivering care and benefits to members of the Armed Forces and veterans who have suffered that crime.

The Senate amendment contained no similar provision.

The House recedes.

Consecutive service of service obligation in connection with payment of tuition for off-duty training or education for commissioned officers of the Armed Forces with any other service obligations

The Senate amendment contained a provision (sec. 551) that would amend section 2007(b) of title 10, United States Code, to require an Active-Duty service obligation incurred by an officer for the acceptance of tuition assistance for off-duty training or education be served sequentially with any other service obligation already incurred by the officer.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that officers who accept tuition assistance for off-duty education incur an active duty service obligation. Tuition assistance is an important retention tool and a particularly valuable benefit at a time when costs for education continue to increase. Therefore the conferees direct the Comptroller General of the United States to conduct a review of retention data associated with officers who accept tuition assistance payments. This review should, at a minimum, include the following elements: (1) The average annual number of officer personnel who accept tuition assistance, (2) The average number of years of commissioned service of officers when beginning to accept tuition assistance, (3) The average number of additional years an officer is retained on active duty following completion of tuition assistance payments; and (4) An assessment of the effect of switching the active duty service obligation for accepting tuition assistance from a policy that allows tuition assistance service obligations to be served concurrent to other service commitments an officer may have, to a policy that requires tuition assistance service obligations be served consecutively with any other active duty service obligation.

The conferees direct the Comptroller General of the United States to provide preliminary observations to the Committees on

Committees on Armed Services of the Senate and the House of Representatives by the end of February 2019. At that time, a final product due date will be determined.

Extension of pilot program to assist members in obtaining post-service employment

The House bill contained a provision (sec. 555) that would amend section 555 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) to extend the authority for the pilot program under this section to September 30, 2023.

The Senate amendment contained no similar provision.

The House recedes.

Direct employment pilot program for members of the reserve components and veterans

The House bill contained a provision (sec. 556) that would allow the Secretary of Defense to carry out a pilot program that provides enhanced job placement and employment assistance for members of the National Guard and Reserve.

The Senate amendment contained no similar provision.

The House recedes.

Comptroller General briefing and report on permanent employment assistance centers

The House bill contained a provision (sec. 558) that would require the Comptroller General of the United States to provide a briefing to the Armed Services Committees of the Senate and House of Representatives, with a report to follow, on employment assistance required under the law and related information regarding civilian employment certification.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the importance of ensuring military skills and experience can be applied to gainful civilian employment and therefore direct the Comptroller General of the United States to conduct a review of the employment assistance programs authorized by section 1143 of title 10, United States Code, and to provide preliminary observations to the Committees on Armed Services of the Senate and the House of Representatives by the end of February 2019. At that time, a final product due date will be determined.

The review shall include: (1) A description of the content of any relevant databases used to record training performed by servicemembers that may by applicable for future civilian employment; (2) A listing and description, to include usage rates, of employment assistance centers within the Department of Defense (DOD) and Department of Homeland Security (DHS); (3) An assessment of DOD and DHS procedures to release servicemember names and other pertinent information to civilian employers, organizations, and State employment agencies; and (4) An evaluation of the ability of DOD to confirm the accuracy and authenticity of a servicemember's certifications upon a State's request within the required 5 business day timeline.

Activities to increase awareness of apprenticeship programs

The House bill contained a provision (sec. 559) that would require the Secretary of Defense to include, as part of service members' transition counseling, information on apprenticeship programs and the use of veterans' benefits to pay for these programs.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that apprenticeships provide a valuable career option for separating servicemembers and encourage the Department of Defense to ensure information on apprenticeship programs, and appropriate funding options, is easily accessible to those servicemembers who may be interested in pursuing an apprenticeship upon separating from the military.

Report on availability of college credit for skills acquired during military service

The House bill contained a provision (sec. 560A) that would require the Secretary of Defense in consultation with the Secretaries of Veterans Affairs, Education, and Labor to submit to Congress a report on the transfer of skills into equivalent college credits or technical certifications for members of the Armed Forces leaving the military.

The Senate amendment contained no similar provision.

The House recedes.

Information regarding county veterans service officers

The House bill contained a provision (sec. 560B) that would require the Secretary of Defense to ensure that a separating or retiring member of the Armed Forces may elect to have their Department of Defense form DD–214 transmitted to the appropriate county veterans service office.

The Senate amendment contained no similar provision.

The House recedes.

Transition outreach pilot program

The House bill contained a provision (sec. 560D) that would require the Secretary of Defense, in coordination with the Secretaries of Veterans Affairs, Labor, Education, and Homeland Security, and the Administrator of the Small Business Administration, to establish a pilot program through the Transition to Veterans Program Office that fosters contact between veterans and the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

Additional matters for assessment and report on childcare services of the Department of Defense

The House bill contained a provision (sec. 562) that would add additional issues for assessment related to military family childcare under the report required by section 575 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that Senate report accompanying S. 2987 (S. Rept. 115–262) directs the Department of Defense to include in its assessment of the use of subsidized, off-installation childcare services, required by subsection (a) of section 575 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), an assessment on modifying the rate of use of subsidized, off-installation childcare services by military families in light of the full implementation of MilitaryChildCare.com, including whether the availability of off-installation childcare services for military families could be increased by altering policies of the Armed Forces on capping the amount of subsidies for military families for such services based on the cost of living for families and the average cost of civilian childcare services.

Flexible maternity and parental leave

The House bill contained a provision (sec. 566) that would require the Secretary of Defense to establish and implement policies and procedures that permit a military parent to take, if requested by the military parent, flexible and non-continuous maternity and parental leave.

The Senate amendment contained no similar provision.

The House recedes.

Report on wage determination for certain programs

The House bill contained a provision (sec. 567) that would require the Secretary of Defense, acting through the National Guard Bureau, to coordinate with the Secretary of Labor to obtain a wage determination under section 6703(1) of title 41, United States Code for contract workers at Family Assistance Centers, Family Readiness and Support programs, Yellow Ribbon Reintegration programs, and Recruit Sustainment programs.

The Senate amendment contained no similar provision.

The House recedes.

Education for dependents of certain retired members of the Armed Forces

The House bill contained a provision (sec. 568) that would amend section 2164(a) of title 10, United States Code, to allow the Secretary of Defense to enter into arrangements to provide for the elementary or secondary education of the dependents of retirees residing on a military installation if the Secretary determines that appropriate educational programs are not available through a local educational agency.

The Senate contained no similar provision.

The House recedes.

Limitations on authority to revoke certain military decorations awarded to members of the Armed Forces

The House bill contained a provision (sec. 571) that would amend chapters 357, 567, and 857 of title 10, United States Code, to add a new section that would restrict the President and service secretaries from revoking a military decoration after the actual award of the military decoration to the service member except under limited circumstances.

The Senate amendment contained no similar provision.

The House recedes.

Authorization for award of Expeditionary Medal to certain Marines for actions on June 8, 1995

The House bill contained a provision (sec. 572) that would authorize the Secretary of Defense to award the Armed Forces Expeditionary Medal to a member or former member of the 24th Marine Expeditionary Unit for the mission to rescue Captain Scott O'Grady.

The Senate amendment contained no similar provision.

The House recedes.

Report on awards for cost-saving ideas

The House bill contained a provision (sec. 575) that would require the Secretary of Defense to submit a report on: (1) The total number of awards and commendations presented to any military personnel for a cost-saving idea during the prior fiscal year; (2) A total estimate of the total savings as a result of the implementation of cost-saving ideas for which an award or commendation was presented; and (3) A description of how the Secretary plans to expand incentive programs for the purpose described in this section and streamline such programs.

The Senate amendment contained no similar provision.

The House recedes.

The conferees are supportive of recent Department of Defense initiatives to redesign or streamline processes to save taxpayer dollars. However, while major department-wide savings are important, frequently military and civilian personnel identify smaller cost-saving opportunities in the course of performing their normal duties. These cost-saving ideas are frequently unnoticed or ignored by the chains of command, resulting in lost opportunities to address needless waste and inefficiency. The conferees encourage service secretaries to take demonstrable steps to empower their personnel to identify and implement cost-saving ideas whenever possible, and widely publicize successes to achieve greater savings at scale.

Pilot program on participation of military spouses in Transition Assistance Program activities

The Senate amendment contained a provision (sec. 575) that would require the Secretary of Defense to conduct a pilot program, at not fewer than five military installations, to assess the feasibility and advisability of permitting military spouses to participate in activities under the Transition Assistance Program. The Secretary would carry out the pilot program during the 5-year period beginning on the date of the enactment of this Act. The provision would require the Secretary to submit an initial report describing the pilot program to the Committees on Armed Services of the Senate and the House of Representatives within 6 months after the date of the enactment of this Act. In addition, the Secretary would submit a final report to the same committees within 6 months after completion of the pilot program.

The House bill contained no similar provision.

The Senate recedes.

Eligibility of veterans of Operation End Sweep for Vietnam Service Medal

The House bill contained a provision (sec. 576) that would authorize the service secretaries, upon the application of an individual who is a veteran who participated in Operation End Sweep, to award that individual the Vietnam Service Medal.

The Senate amendment contained no similar provision.

The House recedes.

Report on outside employment of senior personnel

The House bill contained a provision (sec. 584) that would require the Secretary of Defense to report on senior leader outside employment requests and activities.

The Senate amendment contained no similar provision.

The House recedes.

Inclusion of blast exposure history in service records

The House bill contained a provision (sec. 586) that would require the Secretary of Defense to ensure inclusion of blast exposure history in the service records of members of the Armed Forces in a manner that will assist in determining a service connection for a future illness or injury.

The Senate amendment contained no similar provision.

The House recedes.

Cybersecurity educational programs and awareness in Junior Reserve Officers' Training Corps

The House bill contained a provision (sec. 587) that would require the Secretaries of the military departments to encourage the Junior Reserve Officers' Training Corps (JROTC) to include cybersecurity educational programs and awareness in the curriculum of the Corps, including lessons on cyber defense, risks of cybersecurity vulnerabilities in the military, and pursuing studies and careers in cybersecurity and related fields within the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that numerous JROTC programs are already developing cyber-related educational programs as well as participating in cyber competitions and events. The conferees are supportive of these efforts and encourage service secretaries to search for and develop additional opportunities to provide cyber-related experience to JROTC participants and units.

Publication of guidance and information on housing markets near certain military installations

The House bill contained a provision (sec. 588) that would require the Secretary of Defense to develop and make publicly available guidance and information about the housing market around military installations in the continental United States. Such guidance and information shall be designed to assist members of the Armed Forces in better using their basic allowance for housing.

The Senate amendment contained no similar provision.

The House recedes.

Assistance of States for deployment-related support of members of the Armed Forces undergoing deployment and their families beyond the Yellow Ribbon Reintegration Program

The House bill contained a provision (sec. 589) that would amend section 582 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181) to require the Secretary of Defense to provide funding to the States to carry out programs that provide deployment cycle information, services, and referrals to servicemembers, in both the active and reserve components, and their families throughout the deployment cycle.

The Senate amendment contained no similar provision.

The House recedes.

Exemption from repayment of voluntary separation pay

The House bill included a provision (sec. 590) that would amend section 1175a(j) of title 10, United States Code, to exempt servicemembers involuntarily recalled to active duty or full-time National Guard duty, and servicemembers who incur a total service-connected disability in the course of such duty from the requirement to repay voluntary separation pay.

The Senate amendment included no similar provision.

The House recedes.

Service of wounded warriors as remotely piloted aircraft pilots or remotely piloted aircraft sensor operators in the Air Force

The House bill contained a provision (sec. 591) that would require the Secretary of the Air Force to establish a program under which a qualified wounded warrior who faces retirement or separation from the Armed Forces for physical disability may continue, in lieu of such retirement or separation, to serve in the Armed Forces as a remotely piloted aircraft pilot or remotely piloted aircraft sensor operator in the Air Force.

The Senate amendment contained no similar provision.

The House recedes.

Transportation of remains of casualties; travel expenses for next of kin

The House bill contained a provision (sec. 592) that would amend section 562 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364) to require the Secretary of Defense to extend travel privileges via international travel authorization to family members of servicemembers who die outside of the United States and whose remains are returned to the United States through the mortuary facility at Dover Air Force Base, Delaware.

The Senate amendment contained no similar provision.

The House recedes.

Garnishment to satisfy judgment rendered for physically, sexually, or emotionally abusing a child

The House bill contained a provision (sec. 593) that would amend section 1408 of title 10, United States Code, to remove the limitations on the amount of disposable retired pay that would be

subject to garnishment of retired pay to satisfy a judgement rendered for abuse of a child.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that sections 8345 and 8467 of title 5, United States Code, currently provide for the garnishment of federal civilian retirement payments, without limitation on the amount of disposable retired pay subject to garnishment, in accordance with the terms of a court order or similar process in the nature of garnishment for the enforcement of a judgment against the annuitant for physically, sexually, or emotionally abusing a child. However, section 1408 of title 10, United States Code, limits the amount of disposable military retired pay subject to garnishment for such judgments to 25 percent. The conferees therefore direct the Secretary of Defense, no later than February 1, 2019, to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives on the advisability and feasibility of removing the 25 percent cap on garnishment of disposable military retired pay.

Redesignation of the Commandant of the United States Air Force Institute of Technology as President of the United States Air Force Institute of Technology

The Senate amendment contained a provision (sec. 593) that would re-designate the Commandant of the United States Air Force Institute of Technology as the President of the United States Air Force Institute of Technology.

The House bill contained no similar provision.

The Senate recedes.

Use of mobile applications for training manuals

The House bill contained a provision (sec. 594) that would require the Secretary of Defense to encourage the military departments to transition training manuals, emergency guidance, and other publications needed to train members of the Armed Forces to applications on mobile telephones that use innovative technologies and provide for interaction between trainees and information needed to complete training in a manner that is cost efficient.

The Senate amendment contained no similar provisions.

The House recedes.

The conferees are aware of ongoing Department of Defense efforts to transition various manuals and other documents to electronic formats. These efforts are critical to increase the effectiveness of information transfer and better align the Department of Defense with private sector best practices. The conferees urge the Secretary of Defense to continue transitioning all hard-copy manuals, publications, and other documents into electronic format suitable for viewing on mobile devices.

Limitation on justifications entered by military recruiters for enlistment or accession of individuals into the Armed Forces

The Senate amendment contained a provision (sec. 594) that would restrict military recruiters from changing the reasons for an

individual entering into the Armed Forces to anything other than that individual's stated reason.

The House bill contained no similar provision.

The Senate recedes.

The conferees are concerned with how the Services evaluate the effectiveness and efficiency of their marketing efforts. This Act contains a provision requiring the Army to provide a comprehensive evaluation of the Army Marketing and Advertising Program. However, the conferees are concerned that the other Services may also lack sufficient data to properly evaluate the effectiveness and efficiency of their marketing efforts. Therefore, the conferees direct the Secretary of Defense to provide a briefing, no later than February 1, 2019, on the feasibility and advisability of standardizing the methods for collecting marketing data in support of effectiveness and efficiency evaluations.

Addressing attrition levels of women in the military

The House bill contained a provision (sec. 595) that would require the Secretary of Defense to develop and carry out an exit survey to be completed by members of the Armed Forces to assist the Secretary to assess the reasons that attrition levels for women are higher than for men at various career points not later than 1 year after the date of enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

Report regarding possible improvements to processing retirements and medical discharges

The House bill contained a provision (sec. 597) that would require the Secretary of Defense, in consultation with the Secretary of Veterans Affairs, to issue a report to the congressional defense committees and the Committees on Veterans' Affairs of the Senate and House of Representatives regarding possible improvements to the transition of members of the Armed Forces to veteran status.

The Senate amendment contained no similar provision.

The House recedes.

Chaplaincies of the Armed Forces

The House bill contained a provision (sec. 598) that would state the purpose of the chaplaincies of the Armed Forces and the requirements to serve as a chaplain in the Armed Forces.

The Senate amendment contained no similar provision.

The House recedes.

TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS

Subtitle A—Pay and Allowances

Repeal of authority for payment of personal money allowances to Navy officers serving in certain positions (sec. 601)

The Senate amendment contained a provision (sec. 602) that would amend section 414 of title 37, United States Code, to eliminate additional personal money allowance to certain naval officers serving as President of the Naval Postgraduate School, Com-

mandant of Midshipmen at the Naval Academy, President of the Naval War College, Superintendent of the Naval Academy, or Director of Naval Intelligence.

The House bill contained no similar provision.

The House recedes.

Eligibility of reserve component members for high-deployment allowance for lengthy or numerous deployments and frequent mobilizations (sec. 602)

The Senate amendment contained a provision (sec. 606) that would amend section 436 of title 37, United States Code, to authorize reserve component personnel ordered to Active Duty under section 12304b of title 10, United States Code, to receive a high-deployment allowance for frequent or lengthy deployments.

The House bill contained no similar provision.

The House recedes.

Prohibition on per diem allowance reductions based on the duration of temporary duty assignment or civilian travel (sec. 603)

The House bill contained a provision (sec. 605) that would halt implementation of the 2014 Department of Defense per diem policy, direct the Secretary of Defense to issue a report on options to reduce travel costs, and require notification of any subsequent changes to the per diem policies following the report.

The Senate amendment contained a similar provision (sec. 631) that would require the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives by no later than 120 days after enactment of this Act providing a cost-benefit analysis of the long-term per diem policy rate change that became effective on November 1, 2014, consistent with the principles and requirements of Office of Management and Budget Circular A–94. The Senate provision would further provide that should the Secretary fail to deliver this analysis within 120 days after enactment of this Act, or if the analysis demonstrates that the costs of this policy change outweigh the benefits, and would continue to outweigh the benefits, then the policy would revert to the policy in effect as of October 31, 2014.

The Senate amendment contained another similar provision (sec. 632) that would amend section 474(d)(3) of title 37, United States Code, to prohibit the Department of Defense from reducing per diem rates based on the duration of a temporary duty assignment or civilian travel.

The Senate recedes on section 631 of the Senate amendment. The House recedes on section 605 of the House bill and section 632 of the Senate amendment. The conference agreement includes Section 632 of the Senate amendment.

Extension of parking expenses allowance to civilian employees at recruiting facilities (sec. 604)

The House bill contained a provision (sec. 623) that would amend section 481i of title 37, United States Code, to allow the Secretary of Defense to reimburse military and civilian employees of the Department of Defense for parking expenses at recruiting facilities.

The Senate amendment contained no similar provision.

The Senate recedes.

Eligibility of reserve component members for nonreduction in pay while serving in the uniformed services or National Guard (sec. 605)

The Senate amendment contained a provision (sec. 607) that would amend section 5538(a) of title 5, United States Code, that would include reserve component personnel ordered to Active Duty under section 12304b of title 10, United States Code, under existing protections preventing reduction in pay while absent from a position of employment with the Federal Government.

The House bill contained no similar provision.

The House recedes.

Military Housing Privatization Initiative (sec. 606)

The House bill contained a provision (sec. 604) that would assure that the Basic Allowance for Housing reduction directed by section 403 of title 10, United States Code, would not take effect in fiscal year 2019, ensuring that the Military Housing Privatization Initiative (MHPI) housing recapitalization efforts are not reduced. The committee remains concerned about the reduction in BAH and its effect on the recapitalization of these housing units. The committee believes that military families must be provided with on-base housing that is safe and periodically modernized. Additionally, this section would require the Secretary of Defense to present a plan to the Committees on Armed Services of the Senate and the House of Representatives by December 1, 2018, to provide for a permanent financial solution to the long term MHPI recapitalization problem.

The Senate amendment contained a similar provision (sec. 604) that would authorize the Secretary of Defense to pay up to 2 percent of the calculated Basic Allowance for Housing (BAH) rate to specific lessors who provide on-base housing as part of the Military Housing Privatization Initiative (MHPI).

The Senate recedes with an amendment that would authorize additional payments only to those MHPI projects in existence on or before September 30, 2014.

Subtitle B—Bonuses and Special Incentive Pays

One-year extension of certain expiring bonus and special pay authorities (sec. 611)

The House bill contained a provision (sec. 611) that would extend, through December 31, 2019, income replacement payments for reserve component members experiencing extended and frequent mobilization for Active Duty service; would extend two critical recruitment and retention incentive programs for reserve component health care professionals; would extend accession and retention incentives for nuclear-qualified officers; and would extend the consolidated special and incentive pay authorities added to subchapter II of chapter 5 of title 37, United States Code, by the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181). Additionally, this section would extend the authority of

the Secretary of Defense to prescribe a temporary increase in the rates of basic allowance for housing otherwise prescribed for a military housing area or a portion of a military housing area or portion thereof located in an area covered by a declaration by the President of major natural disaster.

The Senate amendment contained a provision (sec. 611) that would extend for 1 year the general bonus authority for enlisted members, the general bonus authority for officers, special aviation incentive pay and bonus authorities for officers, special bonus and incentive pay authorities for officers in health professions, and contracting bonus for cadets and midshipmen enrolled in the Senior Reserve Officers' Training Corps.

The Senate provision would also extend for 1 year the authority to pay hazardous duty pay, assignment or special duty pay, skill incentive or proficiency bonus, and retention incentives for members qualified in critical military skills or assigned to high priority units.

The Senate provision would also extend for 1 year the authority to pay the nurse officer candidate accession bonus and education loan repayment for certain health professionals who serve in the Selected Reserve.

The Senate provision would also extend for 1 year the authority to pay the special bonus and incentive pay for nuclear officers.

The Senate provision would also extend for 1 year the authority to pay for income replacement for reserve component members experiencing extended and frequent mobilization for Active-Duty service.

The Senate provision would also extend for 1 year the authority of the Secretary of Defense to temporarily increase the rate of the Basic Allowance for Housing in areas impacted by natural disasters or experiencing a sudden influx of personnel.

The Senate recedes.

Report on imminent danger pay and hostile fire pay (sec. 612)

The House bill contained a provision (sec. 606) that would require the Secretary of Defense to submit a report examining the current processes for awarding imminent danger pay and hostile fire pay to the Committees on Armed Services of the Senate and the House of Representatives. The report shall be submitted no later than March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes.

Subtitle C—Other Matters

Extension of certain morale, welfare, and recreation privileges to certain veterans and their caregivers (sec. 621)

The House bill contained a provision (sec. 629) that would amend Chapter 54 of title 10, United States Code, to extend eligibility for commissary and morale, welfare, and recreation (MWR) privileges to certain veterans and veterans' caregivers. This provision would authorize the Secretary to impose a user fee on eligible individuals to purchase merchandise at a commissary or MWR resale facility that would offset any increase in expenses arising from

this provision. Additionally, this provision would authorize an appropriation for updating EPACS for military commissaries. This provision would take effect at the end of the 90-day period beginning on the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would: (1) Remove the authorization of an appropriation for updating EPACS; and (2) Require this provision to take effect on January 1, 2020.

Technical corrections in calculation and publication of special survivor indemnity allowance cost of living adjustments (sec. 622)

The Senate amendment contained a provision (sec. 621) that would amend section 1450(m) of title 10, United States Code, to allow the Department of Defense to make special survivor indemnity allowance cost of living adjustments consistent with the survivor benefit plan and military retired pay.

The House bill contained no similar provision.

The House recedes.

Authority to award damaged personal protective equipment to members separating from the Armed Forces and veterans as mementos of military service (sec. 623)

The Senate amendment contained a provision (sec. 591) that would authorize the Secretary of a military department to award personal protective equipment (PPE) of the member or veteran that was damaged during deployment to veterans or members separating from the Armed Forces.

The House bill contained no similar provision.

The House recedes with an amendment that would make awards available to veterans, only applicable after September 11, 2001, and require any PPE award to be demilitarized and certified as safe prior to awards.

Space-available travel on Department of Defense aircraft for veterans with service-connected disabilities rated as total (sec. 624)

The House bill contained a provision (sec. 622) that would amend section 2641b of title 10, United States Code, to authorize space-available travel for disabled veterans with a service-connected, permanent disability rated as total.

The Senate amendment contained a similar provision (sec. 570) that would amend section 2641b of title 10, United States Code, to authorize veterans with a permanent service-connected total disability rating to travel on military aircraft on a space-available basis. The committee notes that this provision would also ensure the primary purpose of space-available travel remains transporting servicemembers and their dependents.

The House recedes.

The conferees note with disappointment that the report on this topic mandated by the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) is over one year late and reiterate their interest in the results of the requested analysis.

Mandatory increase in insurance coverage under Servicemembers' Group Life Insurance for members deployed to combat theaters of operation (sec. 625)

The House bill contained a provision (sec. 603) that would amend section 1967(a)(3) of title 38, United States Code, to mandate, in the case of a member who elects to not be insured under a Servicemembers' Group Life Insurance (SGLI) plan at the maximum available coverage, an automatic increase in SGLI coverage to the maximum level if the servicemember is deployed to a combat zone.

The Senate amendment contained no similar provision.

The Senate recedes.

Access to military installations for certain surviving spouses and other next of kin of members of the Armed Forces who die while on active duty or certain reserve duty (sec. 626)

The House bill contained a provision (sec. 621) that would require service secretaries to provide for issuance of a standardized Gold Star Installation Access Card to the widow and dependent children of a deceased servicemember to facilitate their ability to gain unescorted access to military installations for the purpose of attending events, visiting gravesites, and obtaining benefits and services to which they are entitled or eligible. The provision would also authorize service secretaries to provide installation access cards to parents and other next of kin of a deceased servicemember.

The Senate amendment contained a provision (sec. 570) that would require the Secretary of Defense, acting jointly with the Secretary of Homeland Security, to establish procedures whereby an eligible surviving spouse and certain other next of kin of members of the Armed Forces may obtain access without escort, as appropriate, to military installations to receive benefits to which they may be entitled by law or policy. This provision would require establishment of such procedures not later than 1 year after the date of the enactment of this Act.

The House recedes with a technical amendment.

Study and report on development of a single defense resale system (sec. 627)

The House bill contained a provision (sec. 625) that would require the Secretary of Defense to conduct a study to determine the feasibility of consolidating military resale entities into a single defense resale system. The provision would require the Secretary to provide a report on the study to the congressional defense committees not later than January 1, 2019. Additionally, the provision would prohibit the obligation or expenditure of any funds authorized to be appropriated, or otherwise made available in this Act, for the purpose of implementing consolidation of the military resale entities until October 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

Prompt review of request for imminent danger pay

The House bill contained a provision (sec. 601) that would amend section 310 of title 37, United States Code, to require the Secretary of Defense to issue a determination, within 90 days, when a geographic combatant commander submits a request to add a location to the Imminent Danger Pay eligibility list.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that Imminent Danger Pay (IDP) is designed to provide additional compensation to servicemembers on duty in an area in which the member was in imminent danger of being exposed to hostile fire. Despite this statutory language, the Department of Defense has been slow in amending the list of geographic areas where deployed servicemembers would be eligible for IDP. This is particularly troubling given the global nature and geographic unpredictability of today's conflicts.

In 2017, the Department's delays in modifying its IDP policy resulted in servicemembers deployed to Niger, Mali, and northern Cameroon being ineligible for IDP payments despite suffering several casualties and being routinely exposed to hostile fire. The Department of Defense took nearly 9 months to rectify its error after four servicemembers were killed while deployed to Africa.

These delays in updating the Department's IDP policy caused unnecessary financial frustration and hardship for servicemembers deployed to Africa to include the families of four servicemembers who were tragically killed while deployed to Niger. Therefore the committee strongly encourages the Secretary of Defense to make determinations on requests for IDP within ninety days of receiving such requests.

Fiscal year 2019 increase in military basic pay

The Senate amendment contained a provision (sec. 601) that would authorize a pay raise of 2.6 percent for all members of the uniformed services effective January 1, 2019.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that current law authorizes automatic military pay raises consistent with the Economic Cost Index, which for calendar year 2019 amounts to a 2.6 percent raise in basic pay for all members of the uniformed services.

Application of basic allowance for housing to members of the uniformed services in the Virgin Islands

The House bill contained a provision (sec. 602) that would amend section 403 of title 37, United States Code, to apply Basic Allowance for Housing to service members in the Virgin Islands.

The Senate amendment contained no similar provision.

The House recedes.

Department of Defense proposal for a pay table for members of the Armed Forces using steps in grade based on time in grade rather than time in service

The Senate amendment contained a provision (sec. 603) that would require the Secretary of Defense to submit a proposal for a time in grade-based pay table for military personnel. This provision would also require the Comptroller General to review the proposal and assess its effect on recruitment and retention.

The House bill contained no similar provision.

The Senate recedes.

Modification of authority of President to determine alternative pay adjustment in annual basic pay of members of the uniformed services

The Senate amendment contained a provision (sec. 605) that would amend section 1009(e) of title 37, United States Code, to remove the justification of serious economic conditions affecting the general welfare from the waiver authority of the President to make an alternative pay adjustment.

The House bill contained no similar provision.

The Senate recedes.

Sense of Congress regarding the widows' tax

The House bill contained a provision (sec. 607) that would express the sense of Congress that: (1) Surviving spouses and dependent children will not be subject to a full offset of survivor benefit plan payments by dependency and indemnity compensation; and (2) Congress must work to eliminate the widows' tax entirely.

The Senate amendment contained no similar provision.

The House recedes.

The conferees agree that Congress should work to eliminate the full offset of survivor benefit plan payments by dependency and indemnity compensation.

Reevaluation of BAH for the military housing area including Staten Island

The House bill contained a provision (sec. 608) that would require the Secretary of Defense to reevaluate the rate of basic allowance for housing for the military housing area that includes Staten Island, New York.

The Senate amendment contained no similar provision.

The House recedes.

Temporary adjustment in rate of basic allowance for housing following identification of significant underdetermination of civilian housing costs for housing areas

The Senate amendment contained a provision (sec. 608) that would amend section 403(b) of title 37, United States Code, to allow the Secretary of Defense to temporarily adjust current rates of Basic Allowance for Housing (BAH) for a military housing area if the Secretary determines that the actual costs of adequate housing in that military housing area differ from current BAH rates by more than 20 percent. This authority provided by this provision would expire on December 31, 2019.

The House bill contained no similar provision.
The Senate recedes.

Compensation and credit for retired pay purposes for maternity leave taken by members of the reserve components

The House bill contained a provision (sec. 609) that would amend section 206(a) of title 37, United States Code, to authorize compensation to members of the reserve component during periods of maternity leave. The provision would also require the period of maternity leave taken by a member of the reserve component count towards the servicemember's entitlement to retired pay.
The Senate amendment contained no similar provision.
The House recedes.

Advisory boards regarding military commissaries and exchanges

The House bill contained a provision (sec. 624) that would require the Secretary of Defense to direct each commanding officer of a military installation with a military commissary or exchange to establish an advisory board comprised of representatives from military or veterans service organizations to advise the commanding officer regarding the interests of patrons and beneficiaries of commissaries and exchanges.
The Senate amendment contained no similar provision.
The House recedes.

Designation of new beneficiary under the Survivor Benefit Plan

The House bill contained a provision (sec. 626) that would amend section 1448(b)(1) of title 10, United States Code, to allow the election of a new beneficiary under the Survivor Benefit Plan by a terminally ill participant.
The Senate amendment contained no similar provision.
The House recedes.

Report regarding management of military commissaries and exchanges

The House bill contained a provision (sec. 627) that would require the Secretary of Defense to submit a report regarding management of military commissaries and exchanges to the congressional defense committees within 180 days of the date of the enactment of this Act.
The Senate amendment contained no similar provision.
The House recedes.

Access for veterans to certain fitness centers

The House bill contained a provision (sec. 628) that would amend Chapter 152 of title 10, United States Code, to authorize the service secretaries to grant veterans access to a fitness center within their jurisdiction under certain conditions prescribed in the provision.
The Senate amendment contained no similar provision.
The House recedes.

TITLE VII—HEALTH CARE PROVISIONS

Subtitle A—Tricare and Other Health Care Benefits

Cessation of requirement for mental health assessment of members after redeployment from a contingency operation upon discharge or release from the Armed Forces (sec. 701)

The House bill contained a provision (sec. 704) that would amend section 1074m(a)(1)(B) of title 10, United States Code, to remove the termination date for the provision of mental health assessments (MHA) for members of the Armed Forces deployed in support of a contingency operation.

The Senate amendment contained a provision (sec. 723) that would amend section 1074m of title 10, United States Code, to eliminate the requirement to provide an MHA to a servicemember after redeployment if the individual has been discharged from military service. The conferees note that, under current law, there is no requirement to provide an MHA to a servicemember 90 to 180 days after redeployment if the individual has been discharged; however, the cessation of the requirement to provide an MHA after a member has been discharged does not currently apply to MHAs required at 180 days to 18 months after redeployment and 18 months to 30 months after redeployment.

The House recedes.

Pilot program on treatment of members of the Armed Forces for post-traumatic stress disorder related to military sexual trauma (sec. 702)

The House bill contained a provision (sec. 702) that would authorize the Secretary of Defense to conduct a pilot program, not to extend beyond 3 years after the date of the enactment of this Act, to assess the feasibility and advisability of using intensive outpatient programs to treat members of the Armed Forces suffering from post-traumatic stress disorder resulting from military sexual trauma, including treatment for substance use disorder, depression, and other issues related to those conditions. Under this provision, the pilot program would be carried out through partnerships with public, private, and non-profit health care organizations, universities, or institutions that: (1) Provide health care to members of the Armed Forces; (2) Provide evidence-based treatment for psychological and neurological conditions common to members of the Armed Forces; (3) Provide health care, support, and other benefits to family members of members of the Armed Forces; and (4) Provide health care under the TRICARE program. The provision would establish pilot program activities and would require the Secretary to install evaluation metrics before commencement of the program. In addition, the provision would require the Secretary to submit an initial report describing the pilot program to the Committees on Armed Services of the Senate and the House of Representatives not later than 180 days after the date of the enactment of this Act. The Secretary would then submit a final report to the same committees not later than 180 days after completion of the pilot program.z

The Senate amendment contained a similar provision (sec. 705).

The Senate recedes.

Subtitle B—Health Care Administration

Improvement of administration of the Defense Health Agency and military medical treatment facilities (sec. 711)

The House bill contained a provision (sec. 711) that would amend section 1073 of title 10, United States Code, by requiring the Department of Defense to transition administration of military medical treatment facilities (MTFs) from the service secretaries to the Director of the Defense Health Agency (DHA) by September 30, 2020. This provision would prohibit the Secretary of Defense from closing or limiting services in any MTF until completion of a transition certification process.

The Senate amendment contained a provision (sec. 711) that would amend section 1073c(a) of title 10, United States Code, to improve and enhance the administration of the DHA and MTFs. Under this provision, the DHA would have the following additional authorities to: (1) Direct, control, and serve as the primary rater of the performance of commanders or directors of MTFs; (2) Direct and control any intermediary organizations between the Defense Health Agency and MTFs; (3) Determine the scope of medical care provided at each MTF to meet the military personnel readiness requirements of the senior military operational commander of the military installation; (4) Determine total workforce requirements at each MTF; (5) Direct joint manning at MTFs and intermediary organizations; (6) Establish training and skills sustainment venues for military medical personnel; (7) Address personnel staffing shortages at MTFs; and (8) Approve service nominations for commanders or directors of MTFs. The provision would also amend section 1073c(d)(2) of title 10, United States Code, to require the DHA Director to ensure that the DHA meets the military personnel readiness requirements of the senior military operational commanders of military installations.

The Senate recedes with an amendment that would require the DHA Director to assume responsibility for the administration of each MTF by September 30, 2021, and would prescribe additional authorities for the DHA Director. The amendment would limit closure or downsizing of MTFs until such time the Secretary submits to the Committees on Armed Services of the Senate and the House of Representatives a report, which describes the methodology and criteria to close or downsize an MTF. The amendment would prohibit such closure or downsizing until 90 days after the date on which the Secretary submits the report to the committees. In addition, the amendment would prescribe the following subordinate organizations within the DHA: (1) Defense Health Agency Research and Development; and (2) Defense Health Agency Public Health. The amendment would require the Secretary, not later than 270 days after the date of the enactment of this Act, to submit a report to the same committees on the feasibility of establishing an additional subordinate DHA organization, Defense Health Agency Education and Training, led by the President of the Uniformed Services University of the Health Sciences. Finally, the amendment would require the Secretary, not later than 270 days after the date of the

enactment of this Act, to submit a report to the same committees on the feasibility of establishing a Defense Health Command as a superseding organization to the Defense Health Agency.

Organizational framework of the military healthcare system to support medical requirements of the combatant commands (sec. 712)

The Senate amendment contained a provision (sec. 712) that would require the Secretary of Defense, acting through the Director of the Defense Health Agency (Director), to commence implementation, not later than October 1, 2018, of an organizational framework of the military health system that: (1) Effectively implements chapter 55 of title 10, United States Code; (2) Maximizes interoperability; and (3) Fully integrates the medical capabilities of the Armed Forces to enhance joint military medical operations in support of combatant command requirements.

The provision would authorize the Director to conduct a phased implementation, in compliance with section 1073c of title 10, United States Code, of a new organizational framework with full implementation required not later than October 1, 2020. The provision would establish no more than three health readiness regions in the continental United States, and each region would be led by a commander or director appointed to a grade no higher than major general or rear admiral. Each military department would nominate qualified individuals to serve in those positions, and the Director would select those individuals to serve as health readiness regional commanders or directors under the authority, direction, and control of such Director.

Under this provision, the Director would establish a regional hub at a major military medical center in each region to provide complex, specialized medical services. Each regional hub would be geographically located to maximize medical support to combatant commands. The provision would authorize the Director to establish or maintain additional medical centers in locations with large beneficiary populations or locations that serve as the primary readiness platforms of the Armed Forces. In addition, this provision would authorize the Director to establish up to two health readiness regions outside the continental United States. The provision would prescribe certain additional duties and responsibilities of the Director related to readiness, operational medicine support, and beneficiary healthcare delivery.

Moreover, the provision would require the Secretary of Defense, through the service secretaries, to disestablish the medical departments of the Services, and any subordinate commands or organizations, not later than October 1, 2019, and to establish operational medical force readiness organizations in each service, led by the Services' Surgeons General. These organizations would have no command authority. Finally, the provision would prescribe the responsibilities of the Services' operational medical force readiness organizations.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to establish not more than four defense health regions, two regions in the continental United States and two regions out-

side the continental United States. Additionally, the amendment would prescribe certain additional duties for the Surgeons General of the Armed Forces related to: (1) Assignment of uniformed medical and dental personnel to military medical treatment facilities; (2) Ensuring operational medical force readiness of medical and dental personnel; (3) Providing logistical support for operational deployment of medical and dental personnel; (4) Providing oversight of mobilization and demobilization of deployed medical and dental personnel; (5) Conducting operational medical and dental force development; (6) Ensuring that operational medical force readiness organizations of the Armed Forces support medical and dental readiness responsibilities of the Director; (7) Developing operational capabilities and policy required to support the warfighter; and (8) Providing health professionals to serve in leadership positions across the military health system. The amendment would require the Secretary, not later than 270 days after the date of the enactment of this Act, to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, which provides: (1) A description of the organizational structure of the office of each Surgeon General of the Armed Forces and any subordinate organizations that will support the functions and responsibilities of a Surgeon General, while avoiding duplication of functions and tasks of the Defense Health Agency; (2) Pre- and post-implementation manning documents for staffing the organizational structure prescribed in this provision; and (3) Recommendations for legislative or administrative action in connection with the implementation of such organizational structure.

Administration of TRICARE dental plans through the Federal Employees Dental and Vision Insurance Program (sec. 713)

The Senate amendment contained a provision (sec. 702) that would amend section 8951(8) of title 5, United States Code, to authorize eligibility of Active-Duty family members, non-activated National Guard/Reserve members, family members of National Guard/Reserve members, and certain survivors under the Federal Employees Dental Insurance Program (FEDVIP) beginning on or after January 1, 2022. This provision would also amend subsection (b) of section 1076(a) of title 10, United States Code, to require the Secretary of Defense to administer TRICARE's dental insurance plans, through an agreement with the Director of the Office of Personnel Management (OPM), to allow eligible beneficiaries to enroll in an insurance plan under chapter 89A of title 5, United States Code, in accordance with terms (to the extent practicable as defined by the Director through regulation) prescribed by the Secretary, including terms consistent with subsection (d) and, to the extent practicable in relation to chapter 89A, other provisions of this section.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense, not later than January 1, 2020, to submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the transition of the administration of the TRICARE dental insurance plan for retirees from administration by the Department of Defense to the OPM as part of the

FEDVIP. The report should include: (1) A description of lessons learned from transition of the TRICARE dental insurance plan for retirees to administration by the OPM; (2) An assessment of the effectiveness of such transition; and (3) A timeline for the implementation plan for transition of administration of TRICARE dental plans to administration as part of FEDVIP.

Streamlining of TRICARE Prime beneficiary referral process (sec. 714)

The Senate amendment contained a provision (sec. 713) that would require the Secretary of Defense to streamline the process under section 1095f of title 10, United States Code, by which TRICARE Prime beneficiaries are referred to the civilian provider network for inpatient and outpatient care under the TRICARE program. The provision would prescribe certain objectives for the streamlined referral process and require implementation in calendar year 2019. Additionally, the provision would require the Secretary to conduct an annual evaluation of the referral process and make improvements to the process as a result of the annual evaluation.

The House bill contained no similar provision.

The House recedes with an amendment that would maintain the requirement in the referral process for right-of-first-refusal by military medical treatment facilities.

Sharing of information with State prescription drug monitoring programs (sec. 715)

The House bill contained a provision (sec. 712) that would amend section 1074g of title 10, United States Code, to require the Secretary of Defense to establish and operate a prescription drug monitoring program for prescription drugs provided under the Department of Defense's pharmacy benefits program and to share prescription information with State prescription drug monitoring programs. The provision would authorize the Secretary to treat the disclosure of patient-specific information as a permitted disclosure for purposes of the health privacy regulations promulgated under the Health Insurance Portability and Accountability Act of 1996 (Public Law 104–191).

The Senate amendment contained a similar provision (sec. 714).

The House recedes.

Pilot program on opioid management in the military health system (sec. 716)

The House bill contained a provision (sec. 736) that would require the Secretary of Defense to submit a report to the congressional defense committees regarding the actions taken by the Department of Defense to prevent and treat opioid use among dependents of members of the Armed Forces.

The Senate amendment contained a provision (sec. 704) that would require the Director of the Defense Health Agency to implement a comprehensive pilot program, for a period of not more than 3 years, to minimize early opioid exposure in beneficiaries under the TRICARE program and to prevent misuse or abuse of opioid

medications. The pilot program would begin within 180 days of the date of the enactment of this Act, and it would include elements to maximize opioid safety across the entire continuum of care, consisting of patient, physician or dentist, and pharmacist. Additionally, the provision would require the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives, not later than 180 days before the completion of the pilot program, describing the conduct of the program. Finally, the provision would authorize the Director to implement the pilot program on a permanent basis if the Director determines that the pilot program successfully reduces early opioid exposure in TRICARE beneficiaries and prevents progression to misuse or abuse of opioid medications.

The House recedes with an amendment that would remove the requirement for the Department to provide beneficiaries with in-home disposal kits to deactivate excess opioids.

Wounded warrior policy review (sec. 717)

The House bill contained a provision (sec. 715) that would require the Secretary of Defense, within 180 days of the date of the enactment of this Act, to review and update policies and procedures relating to the care and management of recovering servicemembers. The Secretary and the service secretaries would then jointly submit a report, not later than 1 year after the date of the enactment of this Act, to the Committees on Armed Services of the Senate and the House of Representatives on the review, which would include a description of any policies updated as a result of the review.

The Senate amendment contained no similar provision.

The Senate recedes.

Medical simulation technology and live tissue training within the Department of Defense (sec. 718)

The House bill contained a provision (sec. 725) that would require the Secretary of Defense to use medical simulation technology before the use of live tissue training to train medical professionals and combat medics of the Department of Defense (DOD). The provision would authorize live tissue training within DOD as determined necessary by the medical chain of command.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary to use medical simulation technology within DOD, to the greatest extent practicable, before the use of live tissue training.

Improvements to trauma center partnerships (sec. 719)

The House bill contained a provision (sec. 714) that would amend section 708(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) to clarify the authority of the Secretary of Defense to enter into partnership agreements with civilian trauma centers for the training of combat trauma teams.

The Senate amendment contained no similar provision.

The Senate recedes.

Improvement to notification to Congress of hospitalization of combat-wounded members of the Armed Forces (sec. 720)

The House bill contained a provision (sec. 713) that would amend section 1074l(a) of title 10, United States Code, to require notification to appropriate Members of Congress of hospitalization of combat-wounded servicemembers admitted to any military medical treatment facility.

The Senate amendment contained no similar provision.

The Senate recedes.

Subtitle C—Reports and Other Matters

Extension of authority for Joint Department of Defense—Department of Veterans Affairs Medical Facility Demonstration Fund (sec. 731)

The House bill contained a provision (sec. 723) that would extend the authority for the joint Department of Defense—Department of Veterans Affairs Demonstration Fund from September 30, 2019, to September 30, 2020.

The Senate amendment contained a similar provision (sec. 721)

The Senate recedes.

Joint forces medical capabilities development and standardization (sec. 732)

The House bill contained a provision (sec. 716) that would require the Secretary of Defense, in coordination with the service secretaries and the Chairman of the Joint Chiefs of Staff, to develop a process to establish joint medical capabilities for members of the Armed Forces that meet the operational planning requirements of the combatant commanders. The Secretary would submit a report, which describes the process, to the Committees on Armed Services of the Senate and the House of Representatives by March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would establish: (1) A timeline for the Secretary to develop a process to establish required joint force medical capabilities for members of Armed Forces that meet the operational planning requirements of the combatant commanders; and (2) A later date for providing the report to the committees.

Inclusion of gambling disorder in health assessments of members of the Armed Forces and related research efforts (sec. 733)

The House bill contained a provision (sec. 724) that would require the Secretary of Defense to incorporate medical screening questions specific to gambling disorder into the annual periodic health assessment conducted by the Department of Defense for members of the Armed Forces. The provision would also require the Secretary to incorporate gambling disorder questions into ongoing research efforts, including by restoring such questions into health-related behavior surveys of Active-Duty and reserve component personnel.

The Senate amendment contained a similar provision (sec. 727). The Senate amendment, however, would also require the Secretary to submit a report to the congressional defense committees,

within 2 years of the date of the enactment of this Act, which describes efforts made to comply with the provision and provides findings of assessments and surveys with respect to prevalence of gambling disorder among members of the Armed Forces.

The House recedes with an amendment that would incorporate medical screening questions specific to gambling disorder: (1) In the next annual periodic health assessment conducted by the Department during the 1-year period beginning 180 days after the date of the enactment of this Act; and (2) The Health Related Behaviors Surveys of Active-Duty and reserve component servicemembers. The Secretary would then submit to the Committees on Armed Services of the Senate and the House of Representatives, not later than 1 year after the date of the completion of the assessment or surveys, reports on the findings of the assessment and surveys in connection with the prevalence of gambling disorder among servicemembers.

Report on requirement for certain former members of the Armed Forces to enroll in Medicare Part B to be eligible for TRICARE for Life (sec. 734)

The House bill contained a provision (sec. 739) that would require the Secretaries of Defense and Health and Human Services and the Commissioner of Social Security, not later than 180 days after the date of the enactment of this Act, to submit jointly a report to the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Ways and Means of the House of Representatives, and the Committee on Finance of the Senate, on the requirement that a covered individual enroll in the supplementary medical insurance program under part B of title XVIII of the Social Security Act (42 U.S.C. 1395J et seq.) to be eligible for TRICARE for Life.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require submission of the report no later than 1 year after the date of the enactment of this Act.

Pilot program on earning by special operations forces medics of credits towards a physician assistant degree (sec. 735)

The House bill contained a provision (sec. 733) that would require the Secretary of Defense to conduct a study to assess the feasibility and advisability of establishing partnerships between special operations forces and institutions of higher education, and health systems if determined appropriate by the Assistant Secretary, through which special operations forces medics earn credit towards a master's degree of physician assistant for military operational work and training.

The Senate amendment contained a provision (sec. 724) that would require the Assistant Secretary of Defense for Health Affairs to conduct a pilot program, for a period not greater than 5 years, to assess the feasibility and advisability of partnerships between special operations forces and institutions of higher education, and health systems if determined appropriate by the Assistant Secretary, through which special operations forces medics earn credit towards a master's degree of physician assistant for military oper-

ational work and training. The provision would require the Secretary of Defense to submit an initial report, within 180 days of the date of the enactment of this Act, to the Committees on Armed Services of the Senate and the House of Representatives, that describes: (1) A comprehensive framework for the military education to be provided under the program; (2) Metrics to be used to assess the effectiveness of the program; and (3) Mechanisms to be used by the Department, medics, or both to cover the costs of education received by medics.

In addition, the Secretary of Defense would submit a final report, not later than 180 days after completion of the pilot program, to the same committees, which provides an: (1) Evaluation of the pilot program using the metrics of assessment set forth in the initial report; (2) Assessment of the utility of funding mechanisms as set forth in the initial report; (3) Assessment of the effects of the program on recruitment and retention of special operations forces medics; and (4) Assessment of the feasibility and advisability of extending any authorities for joint professional military education under chapter 107 of title 10, United States Code, to warrant officers or enlisted personnel.

The House recedes with an amendment that would authorize the Secretary to conduct the pilot program.

Strategic medical research plan (sec. 736)

The House bill contained a provision (sec. 727) that would require the Secretary of Defense, in consultation with the service secretaries, to submit a comprehensive strategic medical research plan to the congressional defense committees not later than 30 days after the date on which the President submits the fiscal year 2020 budget to Congress.

The Senate amendment contained no similar provision.

The Senate recedes.

Comptroller General of the United States review of Defense Health Agency oversight of transition between managed care support contractors for the TRICARE program (sec. 737)

The Senate amendment contained a provision (sec. 728) that would require the Comptroller General of the United States to submit to the congressional defense committees, not later than 180 days of the date of the enactment of this Act, a report reviewing the Defense Health Agency's oversight of the transition of TRICARE managed care support contractors. The provision would require the Comptroller General to conduct subsequent reviews of any transition of managed care support contractors of the TRICARE program and to submit reports to the same committees.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Comptroller General to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives not later than July 1, 2019, followed by a report. The amendment would require the Comptroller General to provide reports to the same committees on any future transitions between managed care support contractors for the TRICARE program within 270 days after completion of such transitions.

Comptroller General study on availability of long-term care options for veterans from Department of Veterans Affairs (sec. 738)

The Senate amendment contained a provision (sec. 6008) that would require the Comptroller General of the United States to conduct a study on the availability of long-term care options from the Department of Veterans Affairs for veterans with combat disabilities, including veterans who served in the Armed Forces after September 11, 2001. The Comptroller General would then submit a report on the study to the Committees on Armed Services and the Committees on Veterans Affairs of the Senate and the House of Representatives not later than January 1, 2020.

The House bill contained no similar provision.

The House recedes.

Increase in number of appointed members of the Henry M. Jackson Foundation for the Advancement of Military Medicine (sec. 739)

The House bill contained a provision (sec. 722) that would amend section 178(c)(1)(C) of title 10, United States Code, to increase the number of appointed members of the council of directors of the Henry M. Jackson Foundation for the Advancement of Military Medicine from four to six members.

The Senate amendment contained a similar provision (sec. 722).

The House recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

TRICARE Medicare Advantage demonstration program

The House bill contained a provision (sec. 701) that would require the Secretary of Defense, in consultation with the Secretary of Health and Human Services, to conduct a demonstration program for a period of not less than 2 years under which a covered beneficiary is deemed to have elected to receive benefits, unless the beneficiary elects otherwise, through a participating Medicare Advantage health plan for each plan year of the demonstration program.

The Senate amendment contained no similar provision.

The House recedes.

Consolidation of cost-sharing requirements under TRICARE Select and TRICARE Prime

The Senate amendment contained a provision (sec. 701) that would amend section 1075 of title 10, United States Code, to consolidate cost-sharing requirements under TRICARE Prime and Select. This provision would eliminate the grandfathering of cost-sharing requirements for beneficiaries enrolled in the TRICARE program prior to January 1, 2018, as authorized in section 701 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328). The amendments under this provision would take effect on January 1, 2019.

The House bill contained no similar provision.

The Senate recedes.

The conferees remain concerned about the high cost of military health care, understanding that much of the cost has been driven

by new benefits and benefit enhancements authorized by Congress, as well as generally increasing costs of medical care in the private sector in the United States. The Congressional Budget Office estimates that the average cost to the Department of Defense for a typical retiree household's health care in 2021 will be $17,800.

Therefore, the conferees direct the Secretary of Defense to submit a report, not later than February 1, 2019, to the Committees on Armed Services of the Senate and the House of Representatives clearly describing the various TRICARE programs currently available to beneficiaries, identifying which beneficiaries are eligible to participate in each program, and providing the average cost to the Department of Defense and to beneficiaries in each program. Additionally, the report should describe the policy options desirable to maintain and improve access to quality health care while controlling the cost of providing that health care. In developing policy options, the Department should conduct a beneficiary survey to ascertain whether beneficiaries would be amenable to additional modest fee increases to maintain a fiscally viable, comprehensive health benefit.

Pilot program on cryopreservation and storage

The House bill contained a provision (sec. 703) that would require the Secretary of Defense to establish a pilot program to provide not greater than 1,000 members of the Armed Forces on Active-Duty with the opportunity to cryopreserve and store gametes prior to a combat zone deployment.

The Senate amendment contained no similar provision.

The House recedes.

Contraception coverage parity under the TRICARE Program

The Senate amendment contained a provision (sec. 703) that would amend sections 1074d(b)(3), 1075(c), 1075a(b), and 1074g(a)(6) of title 10, United States Code, to require coverage of contraception services for covered beneficiaries under the TRICARE program. The provision would prohibit cost-sharing for any method of contraception provided by a TRICARE network provider and for any prescription contraceptive on the uniform formulary provided by a network retail pharmacy provider or the mail order pharmacy program. The effective date of this provision would be January 1, 2020.

The House bill contained no similar provision.

The Senate recedes.

Counseling and treatment for substance use disorders and chronic pain management services for members who separate from the Armed Forces

The House bill contained a provision (sec. 705) that would amend section 1145(a)(6)(B)(i) of title 10, United States Code, to include in the TRICARE Transitional Health Care benefit counseling and treatment for substance use disorders and chronic pain management services for members who separate from the Armed Forces

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that transitional health care services provided in military medical treatment facilities routinely include counseling and treatment, as may be required, for substance use disorder and chronic pain management.

Improvement of reimbursement by Department of Defense of entities carrying out state vaccination programs in connection with vaccines provided to covered beneficiaries under the TRICARE program

The Senate amendment contained a provision (sec. 715) that would amend section 719(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 1074g note) to require the Secretary of Defense to reimburse an entity carrying out a State vaccination program for making vaccinations available to TRICARE covered beneficiaries. The provision would also stipulate that subparagraph (B) of section 719 should not apply to amounts assessed by entities providing independent verification that the assessments of such entities are below the costs of the private sector in making vaccines available.

The House bill contained no similar provision.

The Senate recedes.

Burn patient transfer system

The House bill contained a provision (sec. 717) that would authorize the Secretary of Defense to develop a burn patient transfer system that would provide a platform for reporting immediate and surge bed availability and electronically match patient acuity with bed availability at military and civilian burn centers.

The Senate amendment contained no similar provision.

The House recedes.

Report on MHS Genesis electronic health record system

The House bill contained a provision (sec. 718) that would require the Secretary of Defense to submit to the congressional defense committees, not later than 90 days after the date of the enactment of this Act, a report outlining the corrective actions taken based on the results of the initial operational and test evaluation report prior to fielding MHS Genesis to additional military medical treatment facilities.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary to submit a letter report to the Committees on Armed Services of the Senate and the House of Representatives describing the corrective actions taken, as a result of the findings in the initial operational and test evaluation report, prior to fielding MHS Genesis to additional military medical treatment facilities.

Establishment of TriService Dental Research Program

The House bill contained a provision (sec. 721) that would amend Chapter 104 of title 10, United States Code, to authorize the Secretary of Defense to establish the TriService Dental Research Program, which would be administered by the TriService Dental Research Group.

The Senate amendment contained no similar provision.

The House recedes.

Pilot program on partnerships with civilian organizations for specialized medical training

The Senate amendment contained a provision (sec. 725) that would require the Secretary of Defense to conduct a pilot program, for a period of not more than 3 years, to assess the feasibility and advisability of establishing partnerships with public, private, and non-profit organizations and institutions to provide short-term specialized medical training to advance the medical skills and capabilities of military medical providers.

The House bill contained no similar provision.

The Senate recedes.

Registry of individuals exposed to per- and polyfluoroalkyl substances on military installations

The Senate amendment contained a provision (sec. 726) that would require the Secretary of Veterans Affairs to establish a registry for individuals who have been exposed to per- and polyfluoroalkyl substances.

The House bill contained no similar provision.

The Senate recedes.

Limitation on changes to Federal Emergency Services certification levels of the Air Force

The House bill contained a provision (sec. 726) that would prohibit the Secretary of the Air Force from transitioning Federal emergency services certification levels from emergency medical technician level to emergency medical responder level until the Secretary submits a report to the congressional defense committees.

The Senate amendment contained no similar provision.

The House recedes.

Independent evaluation of mental health care

The House bill contained a provision (sec. 728) that would require the Secretary of Defense to enter into an agreement with a federally funded research and development center (FFRDC) to evaluate the management of mental health care by the Defense Health Agency. The Secretary would then submit a report to the congressional defense committees, not later than April 1, 2019, on the evaluation conducted by the FFRDC.

The Senate amendment contained no similar provision.

The House recedes.

Study on reimbursement rates for mental health care providers under TRICARE Prime and TRICARE Select in the East and West regions of the TRICARE program

The House bill contained a provision (sec. 729) that would require the Secretary of Defense to conduct a study assessing the impact of using established rates to reimburse covered mental health providers on the availability of such providers under the TRICARE program.

The Senate amendment contained no similar provision.

The House recedes.

Study on the treatment of TRICARE beneficiaries who are residents of Puerto Rico

The House bill contained a provision (sec. 730) that would require the Secretary of Defense, in coordination with the secretary of the department in which the Coast Guard is operating when not operating as a service in the Navy, to conduct a study on the feasibility and effect on extending eligibility to enroll in TRICARE Prime to members of the Armed Forces and covered beneficiaries who reside in Puerto Rico. The Secretary would then provide a report on the study to the congressional defense committees not later than 90 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Director of the Defense Health Agency to review the feasibility and effect of extending enrollment in, and the coverage of, TRICARE Prime to eligible beneficiaries who reside in Puerto Rico. The review should: (1) Determine the number of eligible beneficiaries enrolled in TRICARE Select; (2) Examine prior claims data from beneficiaries who may have used TRICARE Standard while residing in Puerto Rico; (3) Evaluate the ability to meet TRICARE Prime access standards by TRICARE eligible institutional and individual providers; and (4) Estimate the potential increase in cost to the Department to offer TRICARE Prime to eligible TRICARE beneficiaries. The Director should then provide a report on the review to the Committees on Armed Services of the Senate and the House of Representatives within 180 days of the date of the enactment of this Act.

Study on health effects relating to activity of the Armed Forces on Vieques

The House bill contained a provision (sec. 731) that would require the Comptroller General of the United States to submit a report containing a study of the health effects of live-fire training at Vieques Naval Training Range before 2002 and other effects of military training on Vieques, Puerto Rico. The Comptroller General would submit the report to the congressional defense committees not later than 180 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

Strategy to recruit and retain mental health providers

The House bill contained a provision (sec. 732) that would require the Secretary of Defense to submit a report to the congressional defense committees, not later than 180 days after the date of the enactment of this Act, that describes and evaluates shortages of mental health providers of the Department of Defense and provides a strategy to recruit and retain various types of mental health providers.

The Senate amendment contained no similar provision.

The House recedes.

Study of drug shortages and impact on members of the Armed Forces

The House bill contained a provision (sec. 734) that would require the Secretary of Defense to conduct a study of shortages of drugs used in the surgical and emergency settings of military facilities and to provide a report to Congress, not later than 12 months after the date of the enactment of this Act, which describes the study and provides conclusions and recommendations from the study.

The Senate amendment contained no similar provision.

The House recedes.

Provision of information to Department of Veterans Affairs regarding MHS Genesis electronic health record system

The House bill contained a provision (sec. 735) that would require the Secretary of Defense to transmit a report to the Secretary of Veterans Affairs detailing lessons learned to address concerns identified during initial operational testing and evaluation of MHS Genesis.

The Senate amendment contained no similar provision.

The House recedes.

Monitoring medication prescribing practices for the treatment of post-traumatic stress disorder

The House bill contained a provision (sec. 737) that would require the Secretary of Defense to submit a report describing the practices for prescribing medication during the period from January 1, 2012, to December 31, 2017, which were inconsistent with the post-traumatic stress disorder medication guidelines developed by the Department of Defense and the Department of Veterans Affairs. The Secretary would submit the report to the Committees on Armed Services of the Senate and the House of Representatives within 180 days of the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

Pilot program on mindfulness-based stress reduction in pre-deployment training

The House bill contained a provision (sec. 738) that would require the Secretary of Defense, in consultation with the Secretary of Homeland Security with respect to the Coast Guard when it is not operating as a service in the Navy, to conduct a pilot program to provide mindfulness-based stress reduction training to members of the Armed Forces prior to deployment to a combat theater.

The Senate amendment contained no similar provision.

The House recedes.

TITLE VIII—ACQUISITION POLICY, ACQUISITION MANAGEMENT, AND RELATED MATTERS

Effective dates; coordination of amendments (sec. 800)

The House bill contained a provision (sec. 800) that would set the effective dates for the establishment of a new part V of subtitle A of title 10, United States Code, and the redesignation of the

chapter and section numbers for title 10 subtitles B, C, and D in order to create numerical space for a new part V at the end of subtitle A. This restructuring would also enable additional growth and potential future reorganization of title 10 statutes in other subject areas outside of the acquisition code.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

The conferees expect that this restructuring effort would be complete not later than February 1, 2019.

Subtitle A—Streamlining of Defense Acquisition Statutes and Regulations

Part I—Consolidation of Defense Acquisition Statutes in New Part V of Subtitle A of Title 10, United States Code

Framework for new part V of subtitle A (sec. 801)

The House bill contained a provision (sec. 801) that would establish the initial step in the first phase of a comprehensive reorganization and optimization of acquisition-related statutes in title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note that the structure for acquisition-related statutes in title 10 has become unwieldy and inadequate. This section creates a new part V at the end of subtitle A of title 10, thus logically organizing all acquisition-related statutes in one part in the Code.

Part II—Redesignation of Sections and Chapters of Subtitles B, C, and D to Provide Room for New Part V of Subtitle A

Redesignation of sections and chapters of subtitle D of title 10, United States Code—Air Force (sec. 806)

The House bill contained a provision (sec. 806) that would redesignate the chapter and section numbers for subtitle D of title 10, United States Code, in order to create numerical space for a new part V at the end of subtitle A. This restructuring would also enable additional growth and potential future reorganization of title 10 statutes in other subject areas outside of the acquisition code.

The Senate amendment contained no similar provision.

The Senate recedes.

Redesignation of sections and chapters of subtitle C of title 10, United States Code—Navy and Marine Corps (sec. 807)

The House bill contained a provision (sec. 807) that would redesignate the chapter and section numbers for subtitle C of title 10, United States Code, in order to create numerical space for a new part V at the end of subtitle A. This restructuring would also enable additional growth and potential future reorganization of title 10 statutes in other subject areas outside of the acquisition code.

The Senate amendment contained no similar provision.

The Senate recedes.

Redesignation of sections and chapters of subtitle B of title 10, United States Code—Army (sec. 808)

The House bill contained a provision (sec. 808) that would redesignate the chapter and section numbers for subtitle B of title 10, United States Code, in order to create numerical space for a new part V at the end of subtitle A. This restructuring would also enable additional growth and potential future reorganization of title 10 statutes in other subject areas outside of the acquisition code.

The Senate amendment contained no similar provision.

The Senate recedes.

Cross references to redesignated sections and chapters (sec. 809)

The House bill contained a provision (sec. 809) that would establish the cross-references guidance for new redesignated sections and chapters of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Part III—Repeals of Certain Provisions of Defense Acquisition Law

Amendment to and repeal of statutory requirements for certain positions or offices in the Department of Defense (sec. 811)

The House bill contained a provision (sec. 811) that would amend or repeal a number of statutory requirements for certain Department of Defense positions or offices established or required by law, and would establish a sunset for one statutory designation.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would adjust which statutory requirements for certain positions or offices are repealed.

Repeal of certain defense acquisition laws (sec. 812)

The House bill contained a provision (sec. 812) that would repeal a number of outdated provisions of law related to defense acquisition, including sections of title 10, United States Code, and provisions that appear in the United States Code as legislative "note" sections under various provisions of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify which provisions are to be repealed.

Repeal of certain Department of Defense reporting requirements (sec. 813)

The House bill contained a provision (sec. 813) that would repeal certain Department of Defense recurring reporting requirements.

The Senate amendment contained a similar provision (sec. 1049) that would repeal certain Department of Defense reporting requirements that are otherwise set to terminate as of December 31, 2021.

The Senate recedes with an amendment that would adjust which reporting requirements are to be repealed.

Subtitle B—Amendments to General Contracting Authorities, Procedures, and Limitations

Modification of limitations on single source task or delivery order contracts (sec. 816)

The Senate amendment contained a provision (sec. 814) that would amend section 2304a(d)(3)(A) of title 10, United States Code, to clarify the applicable standard for task or delivery order contract awards.

The House bill contained no similar provision.

The House recedes.

Preliminary cost analysis requirement for exercise of multiyear contract authority (sec. 817)

The Senate amendment contained a provision (sec. 815) that would amend section 2306b(i)(2)(B) of title 10, United States Code, to require that the preliminary findings of the agency head be supported by a preliminary cost analysis by the Director of Cost Assessment and Program Evaluation.

The House bill contained no similar provision.

The House recedes.

Revision of requirement to submit information on services contracts to Congress (sec. 818)

The House bill contained a provision (sec. 824) that would amend section 2329(b) of title 10, United States Code, to change from October 1, 2022, to October 1, 2020, the effective date for the Secretary of Defense's submission to Congress of information on services contracts that clearly and separately identifies the amount requested for each category of services to be procured for each Defense Agency, Department of Defense Field Activity, command, or military installation. This section would also add the requirement that such information should be included in the Future Years Defense Program submitted to Congress under section 221 of this title.

The Senate amendment contained a similar provision (sec. 821) that would require the Under Secretary of Defense for Acquisition and Sustainment to brief the congressional defense committees not later than 180 days after the date of enactment of this Act, and every 180 days thereafter, on the progress of Department of Defense efforts to meet the requirements of section 2329(b) of title 10, United States Code, including relevant information on the methodology and implementation plans for future compliance.

The Senate recedes with an amendment that would amend section 2329(b) of title 10, United States Code, to change the requirement with respect to budget materials from October 1, 2022, to October 1, 2021 and require the Under Secretary of Defense for Acquisition and Sustainment to brief the congressional defense committees not later than 180 days after the date of enactment of this Act, and every 180 days thereafter, on the progress of Department of Defense efforts to meet the requirements of section 2329(b) of title 10, United States Code, including relevant information on the methodology and implementation plans for future compliance.

Data collection and inventory for services contracts (sec. 819)

The House bill contained a provision (sec. 825) that would amend section 2330a of title 10, United States Code, by changing the dollar threshold for data to be collected on each purchase of services by a military department or Defense Agency from $3.0 million to the simplified acquisition threshold. This section would also remove the specification of the four service acquisition portfolio groups to be included in such data collection. This section would also change the activities contained in an annual inventory prepared by the Secretary of Defense from those pursuant to staff augmentation contracts, to those pursuant to services contracts, and replace references to the Under Secretary of Defense for Acquisition, Technology, and Logistics with the Under Secretary of Defense for Acquisition and Sustainment.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would replace references to the Under Secretary of Defense for Acquisition, Technology, and Logistics with the Under Secretary of Defense for Acquisition and Sustainment and amend section 2330a of title 10, United States Code, to add contracts closely associated with inherently governmental functions to the categories of data collection applicable to the Department of Defense for services contracts.

Report on clarification of services contracting definitions (sec. 820)

The House bill contained a provision (sec. 830) that would direct the Secretary of Defense, not later than 180 days after the date of the enactment of this Act, to revise the Defense Federal Acquisition Regulation Supplement to clarify the definitions of and relationships between terms related to services contracts, including the appropriate use of personal and nonpersonal services contracts, and the responsibilities of individuals in the acquisition workforce with respect to such contracts.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to submit to the congressional defense committees, not later than 180 days after the date of enactment of this Act, a report clarifying the definitions of and relationships between terms used by the Department of Defense related to services contracting, including the appropriate use of personal services contracts and nonpersonal services contracts, and the responsibilities of individuals in the acquisition workforce with respect to such contracts.

Increase in micro-purchase threshold applicable to Department of Defense (sec. 821)

The House bill contained a provision (sec. 822) that would amend section 2338 of title 10, United States Code, by raising the micro-purchase threshold for the Department of Defense from $5,000 to $10,000.

The Senate amendment contained a similar provision (sec. 813).

The House recedes with a technical amendment.

Department of Defense contracting dispute matters (sec. 822)

The Senate amendment contained a provision (sec. 811) that would require the Secretary of Defense to carry out a study of the frequency and effects of bid protests involving the same Department of Defense contract award or proposed award that have been filed at both the Government Accountability Office and the Court of Federal Claims, and establish a data collection system to better track and analyze bid protest trends in the future.

The House bill contained no similar provision.

The House recedes.

Inclusion of best available information regarding past performance of subcontractors and joint venture partners (sec. 823)

The Senate amendment contained a provision (sec. 816) that would require the Secretary of Defense, in consultation with the Federal Acquisition Regulatory Council and the Administrator for Federal Procurement Policy, within 180 days after the date of enactment of this Act, to develop policies to ensure the best information regarding past performance of certain subcontractors and joint venture partners is available when awarding contracts.

The House bill contained no similar provision.

The House recedes with a technical amendment that would scope the subcontractor evaluations to military construction.

Subcontracting price and approved purchasing systems (sec. 824)

The Senate amendment contained a provision (sec. 818) that would amend section 893 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383) to clarify that, for Department of Defense contracts with contractors that have approved purchasing systems as defined by section 44.101 of the Federal Acquisition Regulations, a contracting officer must have a written approval from his or her program manager prior to withholding consent based solely on disagreement with the proposed subcontract price.

The House bill contained no similar provision.

The House recedes.

Modification of criteria for waivers of requirement for certified cost and price data (sec. 825)

The House bill contained a provision (sec. 877) that would repeal section 817(b)(1) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314) regarding certain determinations required for grants of exceptions to cost or pricing data certification requirements and waivers of cost accounting standards.

The Senate amendment contained a similar provision (sec. 817) that would make a technical change to section 817 of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 10 U.S.C. 2306a note).

The House recedes.

Subtitle C—Provisions Relating to Major Defense Acquisition Programs

Revisions in authority relating to program cost targets and fielding targets for major defense acquisition programs (sec. 831)

The House bill contained a provision (sec. 828) that would amend sections 2448a, 2366a, and 2366b of title 10, United States Code, to allow the Secretaries of the military departments, or, in instances where an alternate milestone decision authority for a program has been designated under section 2430(d)(2) of title 10, United States Code, the Secretary of Defense, to establish program cost, fielding, and performance goals in planning major defense acquisition programs. This section would also allow for the delegation of these responsibilities beyond the Deputy Secretary of Defense.

The Senate amendment contained a similar provision (sec. 831) that would amend section 2448a of title 10, United States Code, to clarify that the designated milestone decision authority is the individual responsible for ensuring the accomplishment of the stated goals for a major defense acquisition program.

The Senate recedes with an amendment that would clarify that the designated milestone decision authority is the individual responsible for ensuring the accomplishment of the stated goals for a major defense acquisition program with technical and conforming changes.

Implementation of recommendations of the Independent Study on Consideration of Sustainment in Weapons Systems Life Cycle (sec. 832)

The Senate amendment contained a provision (sec. 832) that would direct the Secretary of Defense to implement certain recommendations from the Independent Study on Consideration of Sustainment in Weapons Systems Life Cycle, which was conducted as required by section 844 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

The House bill contained no similar provision.

The House recedes.

The conferees note that the report's findings highlight that the Department of Defense has not given proper consideration to sustainment issues during the development and acquisition process.

Comptroller General assessment of acquisition programs and related initiatives (sec. 833)

The Senate amendment contained a provision (sec. 803) that would amend chapter 131 of title 10, United States Code, to establish an annual assessment by the Comptroller General of the United States of Department of Defense acquisition programs and initiatives.

The House bill contained no similar provision.

The House recedes with an amendment that limits the production of the Comptroller General's assessment to four assessments.

The conferees note that the Department of Defense's warfighting, business, and enterprise capabilities are increasingly reliant on or driven by software and information technology. The

Department of Defense is behind other Federal agencies and industry in implementing best practices for acquisition of software and information technology capabilities, to include agile and incremental development methods along with associated training, tools, and infrastructure.

The conferees further note that recent years have seen the most significant reform of the Department's acquisition function since the Weapon Systems Acquisition Reform Act of 2009 (Public Law 111–23), to include expansion of acquisition authorities, organizational realignments, delegation of acquisition program execution to the Services, and rapid acquisition and prototyping authorities and offices.

The conferees believe this update to the Comptroller General's assessments is critical to assisting the defense committees with their oversight, given the role of software and information technology in acquisition programs and initiatives, and the scope of recent acquisition reforms across the Department.

Subtitle D—Provisions Relating to Commercial Items

Revision of definition of commercial items for purposes of Federal acquisition statutes (sec. 836)

The House bill contained a provision (sec. 831) that would clarify the definition of commercial items. Specifically, it would clarify commercial items as commercial products or commercial services.

The Senate amendment contained a similar provision (sec. 851) that would direct the Assistant Secretary of Defense for Acquisition to conduct a review of commercial item procurement reform, including recommendations by the independent panel created by Section 809 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) and provisions from recent National Defense Authorization Acts, and an analysis of the treatment of commercial services contracts as compared to commercial products.

The Senate recedes with an amendment that would set the effective date of the new definitions to January 1, 2020 with a detailed implementation plan due to the congressional defense committees on April 1, 2019.

Limitation on applicability to Department of Defense commercial contracts of certain provisions of law (sec. 837)

The House bill contained a provision (sec. 833) that would update section 2375, section 2533a, and section 2533b of title 10, United States Code, with the clarified definition of commercial products and commercial services. This section would also establish a new section 2375a to limit applicability of certain Executive Orders and regulations.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would update section 2533a, section 2533b, and part of section 2375 of title 10, United States Code, with the clarified definition of commercial products and commercial services.

Modifications to procurement through commercial e-commerce portals (sec. 838)

The House bill contained a provision (sec. 834) that would amend section 846 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to allow the Administrator of the General Services Administration to develop procedures for procurement through a commercial e-commerce portal. The procedures must satisfy the requirements for competitive procedures outlined in title 41, United States Code. Additionally, this section would require these procedures to be submitted to the congressional defense committees 30 days prior to implementation. This section would also amend titles 10 and 41, United States Code, by increasing the micro-purchase threshold for procurement through a commercial e-commerce portal from $10,000 to $25,000.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that maintains the micro-purchase threshold at $10,000.

Review of Federal acquisition regulations on commercial products, commercial services, and commercially available off-the-shelf items (sec. 839)

The House bill contained a provision (sec. 835) that would require a review on Federal acquisition regulations on commercial products, commercial services, and commercially available off-the-shelf items.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment to require a report on the results of the review.

Subtitle E—Industrial Base Matters

Report on limited sourcing of specific components for Naval vessels (sec. 841)

The House bill contained a provision (sec. 842) that would require the Secretary of the Navy to submit a report to the congressional defense committees by March 1, 2019, that provides a market survey and cost assessment associated with limiting competition to domestic sources for certain naval components.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the report to include national security considerations, recommendations from the Secretary of the Navy, and sources in the National Technology and Industrial Base. The report would be limited to components listed in section 2534(a)(3) of title 10, United States Code, and additional specified components for auxiliary ships.

The conferees encourage the manufacturers of waterjet marine propulsion systems, azimuth thrusters, and bow thrusters to consider utilizing the process contained in section 844 this Act.

Removal of national interest determination requirements for certain entities (sec. 842)

The House bill contained a provision (sec. 843) that would streamline the National Industrial Security Program by removing the regulatory requirements relating to National Interest Deter-

minations (NIDs). It would build on section 1712 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), which required a review of whether certain companies "should be exempted from one or more of the foreign ownership, control, or influence [FOCI] requirements of the National Industrial Security Program." This section would address NIDs as a particularly urgent problem within that set of FOCI requirements authorized for exemption. It would also authorize the Secretary of Defense to accelerate implementation of this policy for contracting entities that have already demonstrated a longstanding commitment to industrial security and have previously been approved for access to proscribed information.

The Senate amendment contained no similar provision.

The Senate recedes.

Pilot program to test machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems (sec. 843)

The House bill contained a provision (sec. 844) that would require the Under Secretary of Defense for Research and Engineering to establish a pilot program to test the feasibility and reliability of using machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems.

The Senate amendment contained a similar provision (sec. 5203) that would require the Under Secretary of Defense for Research and Engineering to establish a similar pilot program.

The Senate recedes.

Limitation on certain procurements application process (sec. 844)

The Senate amendment contained a provision (sec. 861) that would establish a process for consideration of products to be included within the scope of the National Technology and Industrial Base.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Report on defense electronics industrial base (sec. 845)

The Senate amendment contained a provision (sec. 862) that would require a report by the Secretary of Defense, no later than January 31, 2019, that would examine the health of the defense electronics industrial base both domestically and within the national technology and industrial base.

The House bill contained no similar provision.

The House recedes.

Support for defense manufacturing communities to support the defense industrial base (sec. 846)

The Senate amendment contained a provision (sec. 863) that would provide the Secretary of Defense with authority to establish a program to make long-term investments in critical skills, infrastructure, research and development, and small business support in order to strengthen the national security innovation base, working in coordination with the defense manufacturing institutes.

The House bill contained no similar provision.

The House recedes with an amendment that harmonizes the activities of the program with other similar programs to avoid duplication.

Limitation on procurement of certain items for T–AO–205 program (sec. 847)

The House bill contained a provision (sec. 841) that would amend section 2534 of title 10, United States Code, and would require certain auxiliary ship components to be procured from a manufacturer in the national technology and industrial base.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would limit procurement in fiscal year 2019 of the components listed in the House provision to manufacturers in the United States for the T–AO–205 program.

Subtitle F—Small Business Matters

Department of Defense small business strategy (sec. 851)

The House bill contained a provision (sec. 851) that would require the Department of Defense to develop and implement a small business strategy to better leverage small businesses as a means to enhance or support mission execution. This section specifies that such a strategy should include plans to integrate small businesses into a holistic view of industry; to realign the Department's small business programs with agency mission under a unified management structure; and to clarify points of entry into the defense market.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note that a unified strategy would create expanded small business engagement in the defense sector by increasing entry points for nontraditional and innovative companies. The conferees direct the Secretary of Defense to coordinate the development of the strategy with the Department of Defense Office of Small Business Programs.

Prompt payments of small business contractors (sec. 852)

The House bill contained a provision (sec. 852) would direct Federal agencies to establish a prompt payment goal of 15 days for small business prime contractors. It would also extend the accelerated payment objective to other-than small prime contractors that subcontract with small businesses, and encourage these prime contractors to also accelerate payments to their small business subcontractors.

The Senate bill contained no similar provision.

The Senate recedes with an amendment that limits the provision to the Department of Defense.

Increased participation in the Small Business Administration microloan program (sec. 853)

The House bill contained a provision (sec. 853) that would amend section 636(m) of title 15, United States Code, by increasing the total limit on outstanding loans from $5.0 million to $6.0 mil-

lion, and modifying the ratio from 25/75 to 50/50. It would also require the Administrator of the Small Business Administration (SBA) to report on rates among microlenders, and for the Comptroller General of the United States to assess SBA oversight of the microloan program.

The Senate amendment contained no similar provision.

The Senate recedes with technical conforming amendments to reflect the passage of certain sections in other Acts.

Amendments to Small Business Innovation Research Program and Small Business Technology Transfer Program (sec. 854)

The House bill contained a provision (sec. 854) that would authorize the use of Small Business Innovation Research (SBIR) or Small Business Technology Transfer (STTR) program funding for administrative costs and expand phase flexibility during fiscal years 2018 through 2022.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would expand phase flexibility during fiscal years 2018 through 2022, require the submission of outstanding reports and evaluations, create a pilot program to accelerate Department of Defense SBIR and STTR awards, direct the Comptroller General of the United States to conduct a review of the average and median amount of times that each component of the Department of Defense with an SBIR or STTR program takes to review and make a final decision on proposals submitted under the program, and make modifications to technical and business assistance under the Small Business Act.

Construction contract administration (sec. 855)

The House bill contained a provision (sec. 855) that would amend section 644 of title 15, United States Code, to require Federal agencies to provide prospective construction contractors with information about an agency's policies and performance on the administration of change orders.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment related to timeframes and circumstances for definitizing orders.

Comptroller General study of impact of broadband speed and price on small businesses (sec. 856)

The House bill contained a provision (sec. 856) that would direct the Associate Administrator for the Office of Investment and Innovation of the Small Business Administration to designate a senior employee as the "Broadband and Emerging Information Technology Coordinator." The Coordinator would be responsible for connecting small businesses with financing programs, and advising these businesses on how to acquire broadband and new information technology. This section would also direct a biennial report on activities beginning 2 years after the first designation of a Coordinator to the Committee on Small Business and Entrepreneurship of the Senate and the Committee on Small Business of the House of Representatives.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would instead direct the Comptroller General of the United States to assess the impact of broadband speed and price on small business concerns.

Consolidated budget display for the Department of Defense Small Business Innovation Research Program and Small Business Technology Transfer Program (sec. 857)

The House bill contained a provision (sec. 858) that would direct the Secretary of Defense to submit to Congress a budget justification for all activities conducted under the Small Business Innovation Research Program or Small Business Technology Transfer Program during the previous fiscal year.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would direct the Secretary of Defense to report Small Business Innovation Research Program and Small Business Technology Transfer Program funding in a consolidated location in the annual budget justification.

The conferees note that the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs have successfully developed and transitioned many technologies into operational use that have supported US military technological superiority, and represent proven and successful outreach and engagement with innovative small businesses. The conferees believe that this provision will enable decision makers in both Congress and the Department to better understand the valuable role that these programs play in overall technological innovation efforts. The conferees affirm the well-established SBIR and STTR funding allocation mechanism already in the program's statutory authorization which has preserved stability for the program and contributed strongly to its track record of success. The conferees note that nothing in this provision is intended to alter the existing allocation mechanism.

Funding for procurement technical assistance program (sec. 858)

The House bill contained a provision (sec. 859) that would amend section 2413(b) of title 10, United States Code, to provide Procurement Technical Assistance Centers (PTACs) the resources necessary to conduct greater outreach and provide expanded support to small businesses. This section would increase the funding caps for PTACs operating on statewide, less than statewide, and eligible tribal locations. This section would also adjust the percentage of Federal funding for PTACs to 75 percent from 65 percent, and would adjust the community contribution to 25 percent from 35 percent.

The Senate amendment contained no similar provision.

The Senate recedes.

Authorization for payment of certain costs relating to procurement technical assistance centers (sec. 859)

The House bill contained a provision (sec. 862) that would authorize Procurement Technical Assistance Centers (PTACs) to form an association to pursue matters of common concern, and direct the Secretary of Defense to recognize a PTAC association with a membership of the majority of PTACs.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would direct the Director of the Defense Logistics Agency to brief the congressional defense committees on the potential utility of PTAC associations, and expands the use of authorized funds to include coordination activities among PTACs.

Commercialization Assistance Pilot Program (sec. 860)

The House bill contained a provision (sec. 863) that would amend the Small Business Act to create a Commercialization Assistance Pilot program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend the Small Business Act to authorize commercialization assistance pilot programs, and direct the Comptroller General of the United States to conduct an assessment of the pilot, no later than 6 years after the date of the enactment.

Puerto Rico businesses (sec. 861)

The House bill contained a provision (sec. 864) that would modify the Small Business Act to include a definition for Puerto Rico businesses and identify potential incentives for businesses in a mentor-protégé relationship with Puerto Rico businesses.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Opportunities for employee-owned business concerns through Small Business Administration loan programs (sec. 862)

The House bill contained a provision (sec. 866) that would amend the Small Business Act to expand some loans for small business concerns and direct the Administrator of the United States Small Business Administration (SBA) to undertake outreach and assistance activities, and a report on these activities.

The Senate amendment contained a similar provision (sec. 6006) that would strengthen SBA loan programs to support employee-owned small businesses.

The Senate recedes with clarifying and technical amendments.

Subtitle G—Provisions Related to Software and Technical Data Matters

Validation of proprietary and technical data (sec. 865)

The Senate amendment contained a provision (sec. 881) that would amend section 2321(f) of title 10, United States Code, to clarify the application of rights in technical data relating to major weapons systems. This provision would also amend section 2320 of title 10, United States Code, to clarify the application of licensing of appropriate intellectual property to support major weapons systems with regard to preferences for specially negotiated licenses.

The House bill contained no similar provision.

The House recedes with an amendment that would amend only section 2321(f) of title 10, United States Code. The conferees note that Specially Negotiated Licenses are a new concept in government technical data rights and are being interpreted in many dif-

ferent ways by industry and government alike. Therefore, the conferees direct the Under Secretary of Defense for Acquisition and Sustainment, in conjunction with the Service Acquisition Executives, to develop guidelines, training, and policy for the usage and application of specially negotiated licenses to clarify the terms under which such licenses should be used when considering a product support strategy of a major weapon system or subsystem of a major weapon system. The Under Secretary of Defense for Acquisition and Sustainment is directed to brief the resulting guidelines and other actions to the congressional defense committees no later than 180 days after the date of enactment of this Act.

Continuation of technical data rights during challenges (sec. 866)

The Senate amendment contained a provision (sec. 812) that would amend section 2321(i) of title 10, United States Code, to clarify that the government may continue to exercise rights in technical data and noncommercial computer software during the course of a challenge with an incumbent contractor under section 2321(d) of title 10, United States Code, or under procedures established by the Department of Defense, to meet Department of Defense mission requirements and readiness needs during the course of the challenge.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify the circumstances in which the Secretary of Defense or a service secretary, for programs for which milestone decision authority has been delegated, may authorize use of technical data in dispute by issuing notice and a written determination that compelling mission readiness requirements will not permit awaiting the final decision.

Requirement for negotiation of technical data price before sustainment of major weapon systems (sec. 867)

The House bill contained a provision (sec. 827) that would provide the Department of Defense with additional flexibility on negotiations for appropriate technical data.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify that this provision also applies to the sustainment of major weapon systems.

Implementation of recommendations of the final report of the Defense Science Board Task Force on the Design and Acquisition of Software for Defense Systems (sec. 868)

The Senate amendment contained a provision (sec. 882) that would direct the Secretary of Defense to implement certain recommendations of the Defense Science Board Task Force in their report on the Design and Acquisition of Software for Defense Systems.

The House bill contained no similar provision.

The House recedes.

The conferees agree with the report's emphasis on shifting the Department of Defense's treatment of software as solely a development activity to understanding that it is enduring and that, therefore, traditional models of hardware sustainment are not suited to

the treatment of software in the acquisition process. As the Department considers how each recommendation would be implemented, the conferees also encourage the Department to continue to engage the private sector for their best practices and views regarding sustainable software acquisition approaches.

Implementation of pilot program to use agile or iterative development methods required under section 873 of the National Defense Authorization Act for Fiscal Year 2018 (sec. 869)

The Senate amendment contained a provision (sec. 883) that would provide additional direction to the Secretary of Defense in implementing the pilot program established under section 873 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115—91).

The House bill contained no similar provision.

The House recedes with an amendment to the list of participating systems; an amendment to make criteria for selecting program participation more permissive; an amendment that directs the Under Secretary of Defense for Acquisition and Sustainment to establish a Community of Practice on agile or iterative methods and identifies programs that should contribute; and an amendment that directs the Secretary to report certain information on the progress of programs participating in the pilot.

The conferees expect the Department to attend to compliance with Section 873 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115—91). The conferees note that the adoption of agile or iterative methods remains a challenge for the Department of Defense, despite the fact that delivery of increments of useful capability no less frequently than every six months is not only a best practice for software-intensive systems but is also a government-wide requirement for such systems. Further, as the Department implements such methods, it is important to ensure good principles of management and oversight are incorporated. In particular, given how frequently programs should be delivering features, having insight to costs and capability delivered is critical to understanding risk and overall return on investment.

Report on requiring access to digital technical data in future acquisitions of combat, combat service, and combat support systems (sec. 870)

The Senate amendment contained a provision (sec. 240) that would require the Secretary of Defense to prepare and submit a report regarding access to digital technical data, to include that which is necessary to support the production of three-dimensional printed parts.

The House bill contained no similar provision.

The House recedes.

The conferees direct that the study also address the potential impact upon data rights of providers, to include impacts on National Technology and Industrial Base manufacturers developing products for the Department of Defense, including contractors providing data with limited and restricted data rights.

Subtitle H—Other Matters

Prohibition on acquisition of sensitive materials from non-allied foreign nations (sec. 871)

The House bill contained a provision (sec. 873) that would prohibit the acquisition of certain sensitive materials from non-allied foreign nations.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Extension of prohibition on providing funds to the enemy (sec. 872)

The House bill contained a provision (sec. 876) that would amend section 841(n) of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) to change from December 31, 2019, to December 31, 2021, the sunset date for the provisions of the prohibition on providing funds to the enemy.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees encourage the Office of Management and Budget to extend by two years submission of the reports specified in section 841(i) of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) on the use of the authorities in this section in the preceding calendar year, to match the extended sunset date.

Data, policy, and reporting on the use of other transactions (sec. 873)

The House bill contained a provision (sec. 878) that would direct the Secretary of Defense to submit an annual report on the use of transactions other than contracts, cooperative agreements, and grants, known as other transaction authority, to perform projects, and to include certain information.

The Senate amendment contained a similar provision (sec. 872) that would direct the Under Secretary of Defense for Research and Engineering, the Under Secretary of Defense for Acquisition and Sustainment, and the Service Acquisition Executives of the military departments to collect and internally share data on the use of other transactions, and use it to update policies and procedures.

The House recedes with an amendment that would combine the data collection and reporting elements of both provisions.

Standardization of formatting and public accessibility of Department of Defense reports to Congress (sec. 874)

The House bill contained a provision (sec. 879) that would direct the Secretary of Defense to provide a briefing to the House Committee on Armed Services on a plan for standardizing formatting and public accessibility of unclassified Department of Defense reports to Congress, to ensure they are usable.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would direct the Secretary of Defense to prepare plans to address standardization and sharing of reports to Congress, to include cost and schedule estimates.

Promotion of the use of Government-wide and other interagency contracts (sec. 875)

The House bill contained a provision (sec. 881) that would modify regulations relating to government-wide and other interagency contracts.

The Senate amendment contained no similar provision.

The Senate recedes.

Increasing competition at the task order level (sec. 876)

The House bill contained a provision (sec. 882) that would amend section 3306(c) of title 41, United States Code, to provide exceptions for certain indefinite delivery, indefinite quantity multiple-award contracts and certain federal supply schedule contracts for services acquired on an hourly rate.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would continue to require the disclosure to offerors of the importance of all evaluation factors other than cost or price.

Individual acquisition for commercial leasing services (sec. 877)

The House bill contained a provision (sec. 883) that would modify individual acquisition for commercial leasing services and direct the Comptroller General of the United States to conduct audits related to acquisitions for commercial leasing services.

The Senate amendment contained no similar provision.

The Senate recedes.

Procurement administrative lead time definition and plan (sec. 878)

The House bill contained a provision (sec. 884) that would direct the Administrator for Federal Procurement Policy to develop, make available for public comment, and finalize a definition of the term "procurement administrative lead time" (PALT) and produce a plan for measuring and publicly reporting data on PALT for Federal Government contracts and task orders in amounts greater than the simplified acquisition threshold.

The Senate amendment contained no similar provision.

The Senate recedes.

Briefing on funding of product support strategies (sec. 879)

The House bill contained a provision (sec. 885) that would require a report on funding of product support strategies.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require an annotated briefing regarding the funding for product support strategies for major weapon systems, and a summary of improvements made to data collection and analysis capabilities of the Department, including in the Military Services, to improve the analysis and cost estimation of lifecycle costs, analysis and identification of cost drivers, reduce lifecycle cost variance, identify common and shared costs for multiple weapons systems, and isolate the lifecycle costs attributable to specific individual weapons systems.

Use of lowest price technically acceptable source selection process (sec. 880)

The House bill contained a provision (sec. 886) that would require a revision of the Federal Acquisition Regulation to clarify in which solicitations the lowest price technically acceptable source selection criteria may be used.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify the categories and threshold applicable in the provision. The conferees note that, in order to balance effective oversight with reasonable expenditure of resources, the Government Accountability Office is expected to develop a methodological approach that will provide sufficient insight into the extent to which lowest price technically acceptable source selection criteria are used by executive agencies, without requiring a review of each individual instance in which such criteria are used.

Permanent Supply Chain Risk Management Authority (sec. 881)

The Senate amendment contained a provision (sec. 801) that would permanently extend the authority provided in section 806 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111–383) regarding the management of supply chain risk and would clarify the Secretary of Defense's ability to make determinations under the authority to apply throughout the Department of Defense.

The House bill contained no similar provision.

The House recedes.

Review of market research (sec. 882)

The Senate amendment contained a provision (sec. 802) that would amend section 2431a of title 10, United States Code, to define the market research requirement of major defense acquisition program acquisition strategies. This provision is intended to improve the Department of Defense's capacity to conduct market research by diversifying the sources and methods used.

The House bill contained no similar provision.

The House recedes with an amendment that would direct the Assistant Secretary of Defense for Acquisition and Sustainment to conduct a review of market research guidance and practices.

The conferees note that a growing share of the Department's spending is on information technology products and services and believes robust market research is critical to acquisition planning. The conferees believe that sufficient attention is not being given to market research and are concerned that the Department's sources of data for market research are limited and lack diversity.

The conferees therefore encourage the Department's contracting officers to use commercially available detailed third-party market research, which should include any disclosures of a third-party's interests and which should be considered by contracting officers in the context of all available data sources, to ensure that they have the best and most complete information available in developing and executing their acquisition strategies.

Establishment of integrated review team on defense acquisition industry-government exchange (sec. 883)

The Senate amendment contained a provision (sec. 842) that would direct the Chairman of the Defense Business Board to convene an integrated review team with members of the Defense Innovation Board and Defense Science Board to undertake a study on the exchange of defense industry personnel on term assignments within the Department. The study shall review: (1) Legal, ethical, and financial disclosure requirements for industry-government exchanges; (2) Existing or previous industry-government exchange programs; and (3) How the military departments address legal, ethical, and financial requirements for reserve component servicemembers who also maintain civilian employment in the defense industry. The team shall also produce recommendations to reduce barriers to industry-government exchange while ensuring financial and ethical integrity to protect the best interests of the Department.

The House bill contained no similar provision.

The House recedes.

Exchange program for acquisition workforce employees (sec. 884)

The Senate amendment contained a provision (sec. 843) that would require the Secretary of Defense to establish an exchange program that would temporarily assign civilian personnel working in the defense acquisition workforce, as defined by chapter 87 of title 10, United States Code, to a rotational program that would broaden the skills and expertise of participants and improve communication within and integration of the acquisition community.

The House bill contained no similar provision.

The House recedes.

Process to limit foreign access to technology (sec. 885)

The Senate amendment contained a provision (sec. 820) that would authorize the Under Secretary of Defense for Research and Engineering to include in the terms of any contract provisions that would limit access by select persons or organizations to sensitive technology, and authorize the potential forfeit of intellectual property rights if these terms were violated.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the authority to include these limitations in the terms of any contract and instead directs the Secretary of Defense to develop a process and procedures for limiting access to technology through contracts, grants, cooperative agreements, or other transactions, when such limitation is in the interest of national security.

Procurement of telecommunications supplies for experimental purposes (sec. 886)

The Senate amendment contained a provision (sec. 894) that would ensure the Director, Operational Test and Evaluation, and other developmental testing organizations be given access to all data associated with certain modeling and simulation activities supporting the acquisition of military capabilities.

The House bill contained no similar provision.

The House recedes.

Access by developmental and operational testing activities to data regarding modeling and simulation activity (sec. 887)

The Senate amendment contained a provision (sec. 895) that would ensure the Director, Operational Test and Evaluation, and other developmental testing organizations be given access to all data associated with modeling and simulation activities supporting the acquisition of military capabilities.

The House bill contained no similar provision.

The House recedes.

The conferees note that modeling and simulation tools and activities are critical to reducing risk in technology development initiatives and acquisition programs. The conferees note the use of modeling and simulation to reduce risk in operational or live fire test and evaluation is especially relevant when operational conditions are difficult or expensive to replicate in testing certain military capabilities, such as: performance of systems in space, intercept capability of ballistic missile defense systems, and a ship's ability to withstand shocks.

The conferees also note that given the increasing use of software-driven capabilities, modeling and simulation is also beneficial during developmental testing and evaluation, including modeling and simulating complex cyber threats to facilitate accurate assessments of security features.

The conferees understand that Department of Defense policies require models to be verified, validated, and accredited in order to be deemed effective at reducing risk and cost, as well as to improve understanding and predictability of system performance.

The conferees are concerned that despite these Department policies, programs and initiatives are using models in lieu of real world testing, even though they have not been verified, validated, and accredited.

Accordingly, this provision would direct developmental and operational test organizations be given access to all data associated with verification, validation, and accreditation of modeling and simulation activities to ensure development, production, and fielding decisions that depend on outcomes from such activities are fully informed.

The conferees also urge the Department to continue efforts to improve the quality and fidelity of computer models for use in test and evaluation activities.

Instruction on pilot program regarding employment of persons with disabilities (sec. 888)

The Senate amendment contained a provision (sec. 5801) that would direct the Secretary of Defense to update the Defense Federal Acquisition Regulatory Supplement to include an instruction on the pilot program regarding employment of persons with disabilities authorized under section 853 of the National Defense Authorization Act for Fiscal Year 2004.

The House bill contained no similar provision.

The House recedes.

Prohibition on certain telecommunications and video surveillance services or equipment (sec. 889)

The House bill contained a provision (sec. 880) that would provide that, not later than January 1, 2021, no government agency may procure or obtain, nor extend or renew a contract to procure or obtain, nor enter into a contract with an entity that uses covered telecommunications equipment or services with any covered entity. The covered equipment would encompass telecommunications and video surveillance products and services provided by Hauwei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hikvision Digital Technology Company, or Hahua Technology Company, or any company that the head of a relevant Federal agency reasonably believes is controlled by the government of the Peoples Republic of China.

The Senate amendment contained a similar provision (sec. 6702) that would prohibit by the heads of Federal agencies procurement of telecommunications equipment or services from Huawei Technologies Company or ZTE Corporation, any subsidiary or affiliate of such entities, or any entity controlled by the government of the People's Republic of China. The provision would also prohibit entry into a contract with any entity that uses equipment, as a critical component of any system, from Huawei Technologies Company, the ZTE Corporation, any subsidiary or affiliate of such entities, or any entity controlled by the government of the People's Republic of China. The provision would prohibit the modification of any penalty implemented by the United States Government with respect to a Chinese telecommunications company upon a determination that the company has violated an export control or sanctions law until the President certifies to the appropriate congressional committees that the company is compliant and cooperative with US laws and related investigations. The provision would also reinstate penalties imposed on ZTE on April 15, 2018 by the Acting Assistant Secretary of the Commerce for Export Enforcement and would limit the future modification of such penalties.

The House recedes with an amendment that would not prohibit modification of penalties nor re-impose penalties on the ZTE Corporation, clarify the applicable timelines and waivers, and require the heads of executive agencies administering loan, grant, or subsidy programs to prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications services to users and customers is sustained. The conferees stress the importance of assisting rural communications service providers, anchor institutions, and public safety organizations in replacing covered equipment and associated support services contracts as soon as practicable.

Pilot program to accelerate contracting and pricing processes (sec. 890)

The Senate amendment contained a provision (sec. 833) that would establish a pilot program for the Secretary of Defense to reform and accelerate the contracting and pricing processes associ-

ated with major weapons systems programs through basing price reasonableness determinations on actual cost and pricing data for purchases of the same or similar products for the Department of Defense and reducing the cost and pricing data to be submitted in accordance with section 2306a of title 10, United States Code. This authority would expire on January 2, 2021.

The House bill contained no similar provision.

The House recedes with an amendment that would limit the pilot to ten contracts not classified as major defense acquisition programs and require a report to the congressional defense committee on the results of the pilot no later than January 30, 2021.

LEGISLATIVE PROVISIONS NOT ADOPTED

Comptroller General of the United States report on progress payment financing of Department of Defense contracts

The Senate amendment contained a provision (sec. 819) that would require the Comptroller General of the United States to submit a report, no later than 180 days after the date of the enactment of this Act, to the congressional defense committees on the results of an analysis of the effects of current financing levels of defense contracts on defense contractors and Defense budgets.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Comptroller General of the United States to submit to the congressional defense committees, no later than 180 days after the date of enactment of this Act, a report on the results of an analysis of the effects of current financing levels of Department of Defense contracts on contractors of the Department and the budgets of the Department to include an analysis and assessment of the impact to government and business on the relationship between financing amounts and contractor profit and the willingness of contractors to pursue contracts with the Department. The assessment should take into consideration past changes to progress payment rates and conditions as well as progress payment rates and limitations on progressing for undefinitized contract actions.

Contract goal for the AbilityOne program

The House bill contained a provision (sec. 821) that would amend section 2323a of title 10, United States Code, to create a contract goal for the AbilityOne program of 1.5 percent. This section would also require the Secretary of Defense to submit an annual report to the U.S. AbilityOne Commission on progress made toward achieving said contract goal.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the AbilityOne program must have policies and procedures in place to ensure that funding is used in a way that maximizes the benefits to the people it is intended to serve and that taxpayer funds are not wasted. Recognizing this, in 2015 the Congress directed the establishment of an AbilityOne Inspector General, and in 2016 Congress directed the establishment of a Panel on Department of Defense, and AbilityOne Contracting,

Oversight, Accountability, and Integrity. The conferees note that both the Inspector General and the Panel are generating findings and recommendations for needed reforms and expect the AbilityOne Commission to take appropriate steps in the future to increase transparency and effectiveness of the program.

Sense of Congress on awarding of contracts to responsible companies that primarily employ American workers and do not actively transfer American jobs to potential adversaries

The Senate amendment contained a provision (sec. 822) that would express the sense of Congress that the Department of Defense should award contracts to responsible companies that primarily employ United States workers or are partners in the national technology and industrial base and do not actively transfer United States jobs to potential adversaries.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the Department of Defense should award contracts to responsible companies that primarily employ United States workers or are partners in the national technology and industrial base and do not actively transfer United States jobs to potential adversaries.

Preference for offerors employing veterans

The House bill contained a provision (sec. 823) that would amend chapter 137 of title 10, United States Code, by adding a new section that would authorize the head of an agency, in awarding a contract for the procurement of goods and services for the Department of Defense, to establish a preference for offerors that employ veterans on a full-time basis, with criteria for use of such preference determined by the Secretary of Defense.

The Senate amendment contained no similar provision.

The House recedes.

Competition requirements for purchases from Federal Prison Industries

The House bill contained a provision (sec. 826) that would amend section 2410n of title 10, United States Code. This section would create a requirement for conducting market research before purchasing a product listed in the Federal Prison Industries (FPI) catalog.

The Senate amendment contained no similar provision.

The House recedes.

Revision of timeline for use of the rapid fielding pathway for acquisition programs

The House bill contained a provision (sec. 829) that would amend section 804(b)(2) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) to change part of the objective of an acquisition program under the rapid fielding pathway from completing fielding within 5 years, to completing low-rate initial production within 5 years.

The Senate amendment contained no similar provision.

The House recedes.

Definition of subcontract

The House bill contained a provision (sec. 832) that would create a precise definition for "subcontract" in title 41, United States Code, and incorporate this revised definition in title 10, United States Code.

The Senate amendment contained no similar provision.

The House recedes.

Permanent authority for demonstration projects relating to acquisition personnel management policies and procedures

The Senate amendment contained a provision (sec. 841) that would amend section 1762 of title 10, United States Code, to provide a permanent authority for personnel programs for employees in the Department of Defense civilian acquisition workforce and supporting personnel assigned to work directly with that workforce.

The House bill contained no similar provision.

The Senate recedes.

Security of Department of Defense telecommunication services

The House bill contained a provision (sec. 845) that would direct the Secretary of Defense to give preference in awarding contracts for telecommunication services or installation of telecommunication infrastructure on military installations located in the United States or its territories to American-owned and -operated companies.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress on unmanned ground vehicle technology

The House bill contained a provision (sec. 846) that would provide a sense of Congress on unmanned ground vehicle technology.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the design, manufacturing, and repair of the technology in unmanned ground vehicles is critical to national security.

Amendments to the Small Business Investment Act of 1958

The House bill contained a provision (sec. 857) that would amend the Small Business Investment Act of 1958 (15 U.S.C. 682(b)) by increasing the Individual Leverage Limit from $150.0 million to $175.0 million and by increasing the total amount of capital and surplus that a financial institution and Federal savings association can invest in a small business investment company from 5 percent to 15 percent.

The Senate amendment contained no similar provision.

The House recedes.

Exemption of certain contracts from the periodic inflation adjustments to the acquisition-related dollar threshold

The House bill contained a provision (sec. 860) that would amend subparagraph (B) of section 1908(b)(2) of title 41, United States Code, to exempt certain contracts from the periodic inflation adjustments to the acquisition-related dollar threshold.

The Senate amendment contained no similar provision.

The House recedes.

SCORE

The House bill contained a provision (sec. 861) that would amend the Small Business Act to reauthorize the SCORE program.

The Senate amendment contained no similar provision.

The House recedes.

United States Virgin Islands Small Business Contracting Assistance

The House bill contained a provision (sec. 865) that would modify the Small Business Act with regard to the United States Virgin Islands.

The Senate amendment contained no similar provision.

The House recedes.

Veteran entrepreneurship training

The House bill contained a provision (sec. 867) that would amend section 32 of the Small Business Act (15 U.S.C. 657b) to require the Administrator of the Small Business Administration to carry out a program to provide entrepreneurship training to certain servicemembers, veterans, and their spouses or dependents.

The Senate amendment contained no similar provision.

The House recedes.

Improvement of small business development centers program

The House bill contained a provision (sec. 868) that would modify the small business development centers program.

The Senate amendment contained no similar provision.

The House recedes.

Additional requirements for negotiations for noncommercial computer software

The House bill contained a provision (sec. 871) that would amend section 2322a of title 10, United States Code, and codify existing Defense Federal Acquisition Regulations on noncommercial software rights as well as mandate, to the maximum extent practicable, that specially negotiated licenses be used for weapon systems noncommercial software.

The Senate amendment contained no similar provision.

The House recedes.

Removal of requirement for risk and sensitivity analysis of baseline estimates in Selected Acquisition Reports

The House bill contained a provision (sec. 872) that would amend section 2432(c)(1)(B) of title 10, United States Code, by removing the requirement for risk and sensitivity analysis to be included with baseline estimates in selected acquisition reports.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that quantitative and qualitative risk and sensitivity analyses help decision-makers to identify cost drivers and understand the effects of changing variables on cost estimates.

The National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66) required that a program's baseline cost estimate, along with the associated risk curve and sensitivity of that estimate, be provided in the quarterly selected acquisition reports. In addition, it required that the reports include the current point estimate bounded by the low-end and high-end estimates and the associated sensitivity of those estimates, and identification of the primary risk parameters associated with the estimate. The conferees note that these requirements are intended to promote use of relatively commonplace data and statistical analysis techniques that are well understood by most practitioners. However, the conferees understand that this language has been interpreted by Department of Defense officials as requiring analysis of the sensitivity of the information in a security context for selected acquisition reports, resulting in unwarranted barriers to dissemination. The conferees direct the Department of Defense to comply with all legal requirements relating to contents of selected acquisition reports, noting the clarification of intent above. Further, the conferees direct the Department to avoid labeling selected acquisition reports as "For Official Use Only" unless the specific justification for such restrictive markings is provided to the Congress for each individual report.

Transfer or possession of defense items for national defense purposes

The House bill contained a provision (sec. 874) that would amend sections 922 and 925 of title 18, United States Code, to allow joint production, integration, and calibration of military-grade hardware by licensed contractors, transfers of defense items to government customers, and export of authorized weapons to foreign governments.

The Senate amendment contained no similar provision.

The House recedes.

Expedited hiring authority for shortage category positions in the acquisition workforce

The House bill contained a provision (sec. 875) that would expand and extend direct-hire authority for acquisition professionals.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress regarding steel produced in the United States

The House bill contained a provision (sec. 887) that would provide a sense of Congress regarding steel produced in the United States.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that a strong domestic iron ore and steel industry is vital to the national security of the United States.

Permanent SBIR and STTR authority for the Department of Defense

The Senate amendment contained a provision (sec. 893) that would amend section 638 of title 15, United States Code, to provide a permanent authority for the Small Business Innovation Research

program (SBIR) and the Small Business Technology Transfer program (STTR) in the Department of Defense.

The House bill contained no similar provision.

The Senate recedes.

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

Subtitle A—Office of the Secretary of Defense and Related Matters

Report on allocation of former responsibilities of the Under Secretary of Defense for Acquisition, Technology, and Logistics (sec. 901)

The Senate amendment contained a provision (sec. 904) that would direct the Secretary of Defense to report on decisions taken as part of the reorganization of the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics to allocate the responsibilities that are referenced in United States Code.

The House bill contained no similar provision.

The House recedes.

Modification of responsibilities of the Under Secretary of Defense for Policy (sec. 902)

The Senate amendment contained a provision (sec. 903) that would modify the responsibilities of the Under Secretary of Defense for Policy to include greater oversight of defense strategy and planning guidance in alignment with the National Defense Strategy (NDS). These modifications would encompass the preparation and development of policy guidance for campaign and contingency plans by the combatant commands, as well as the oversight and integration of strategic documents such as the National Security Strategy (NSS) and the Defense Planning Guidance (DPG).

The House bill contained no similar provision.

The House recedes with an amendment that would further refine the responsibilities of the Under Secretary of Defense for Policy including a clarification of its role in providing joint force requirements guidance through the Defense Planning Guidance. Furthermore, the Under Secretary, in coordination with the Director of Cost Assessment and Program Evaluation and the Chairman of the Joint Chiefs of Staff, would develop planning scenarios for the future joint environments to use in assessments and the development of specific objectives for joint force capabilities (both capacity and readiness).

The conferees recognize the importance of the Under Secretary of Defense in developing strategy and providing associated policy guidance for force development, planning, and posture. However, deteriorating policy functions in areas such as joint force assessments have led to shortcomings in resource allocation and prioritization efforts. In turn, this can exacerbate capability gaps and lead to the erosion of U.S. military superiority. In light of these trends, the conferees urge the Department to clearly define the Under Secretary of Defense primary functions as well as integrate its critical responsibilities with the priorities outlined in the 2018 National Defense Strategy.

Clarification of responsibilities and duties of the Chief Information Officer of the Department of Defense (sec. 903)

The Senate amendment contained a provision (sec. 906) that would clarify the responsibilities and duties of the Chief Information Officer (CIO) of the Department of Defense by specifically delineating its authorities from those assigned to the Chief Management Officer (CMO) in the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

Section 910 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) designated the CMO as the CIO of the Department for the purposes of Defense business systems (10 U.S.C. 2222). The provision assigned the CMO the responsibility of administering the duties and responsibilities specified in sections 11315 and 11319 of title 40, section 3506(a)(2) of title 44, and section 2223(a) of title 10 for business systems and management. The provision also assigned the CMO with any responsibilities, duties, and powers relating to business systems or management that are exercisable by a chief information officer for the Department, other than those responsibilities, duties, and powers of a chief information officer that are vested in the Chief Information Officer of the Department of Defense by section 142 of title 10, United States Code.

The House bill contained no similar provision.

The House recedes.

Technical corrections to Department of Defense Test Resource Management Center authority (sec. 904)

The Senate amendment contained a provision (sec. 909) that would align the reporting relationship of the Test Resource Management Center to the Under Secretary of Defense for Research and Engineering, as a conforming change reflecting the disestablishment of the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics.

The House bill contained no similar provision.

The House recedes.

Specification of certain duties of the Defense Technical Information Center (sec. 905)

The Senate amendment contained a provision (sec. 907) that would expand the duties of the Defense Technical Information Center to include execution of the Global Research Watch program and the development and maintenance of datasets and data repositories on research and engineering activities.

The House bill contained no similar provision.

The House recedes.

Subtitle B—Organization and Management of Other Department of Defense Offices and Elements

Comprehensive review of operational and administrative chains-of-command and functions of the Department of the Navy (sec. 911)

The House bill contained a provision (sec. 905) that would amend section 5013 of title 10, United States Code, to require the

Secretary of the Navy to designate a single commander within the Department of the Navy responsible for ensuring Navy forces are available for tasking and deployment, including those Navy forces that may be operating from a forward deployed location. This provision would also require the Secretary to designate a single commander for all Navy shipyards, including any located overseas.

The Senate amendment contained a similar provision (sec. 1043) that would require the Secretary of the Navy to conduct a comprehensive review of the operational and administrative chains-of-command and functions in the Department of the Navy.

The House recedes.

The conferees direct the Secretary of the Navy to review the chains-of-command for Navy shipyards and determine if a single commander should be responsible for all such shipyards.

Modification of certain responsibilities of the Chairman of the Joint Chiefs of Staff relating to joint force concept development (sec. 912)

The Senate amendment contained a provision (sec. 921) that would clarify the strategic planning role of the Chairman of the Joint Chiefs of Staff by including both a short-term and long-term focus on force concept development to meet national security shortfalls. This provision would seek to address joint force capability gaps in addition to present procurement requirements.

The House bill contained no similar provision.

The House recedes with an amendment that would eliminate the specific direction regarding exercising and, if appropriate, fielding joint concept assessments in support of the joint force.

The conferees note that not all capability gaps can, or should, be addressed by procurement or addition of end-strength. Expanding joint force concept development efforts should enable the Department of Defense to better meet the diverse set of challenges facing the military in a more efficient manner.

Clarification of certain risk assessment requirements of the Chairman of the Joint Chiefs of Staff in connection with the National Military Strategy (sec. 913)

The Senate amendment contained a provision (sec. 5901) that would amend section 153(b) of title 10, United States Code, to include new language concerning military strategic risks to the United States interests and military risks in executing the National Military Strategy.

The House bill contained no similar provision.

The House recedes.

Assistant Secretary of Defense for Special Operations and Low Intensity Conflict review of United States Special Operations Command (sec. 914)

The Senate amendment contained a provision (sec. 922) that would require the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict, in coordination with the Commander, U.S. Special Operations Command (SOCOM), to conduct a comprehensive review of SOCOM for the purpose of ensuring that the institutional and operational capabilities of special operations

forces are appropriate to counter future threats across the spectrum of conflict.

The House bill contained no similar provision.

The House recedes.

Expansion of principal duties of Assistant Secretary of the Navy for Research, Development, and Acquisition (sec. 915)

The Senate amendment contained a provision (sec. 924) that would expand the principal duties of the Assistant Secretary of the Navy for Research, Development, and Acquisition to include sustainment.

The House bill contained no similar provision.

The House recedes.

Qualifications for appointment as Deputy Chief Management Officer of a military department (sec. 916)

The Senate amendment contained a provision (sec. 923) that would create qualification criteria for military department Deputy Chief Management Officers to include either significant experience in business operations and management in the public sector or significant experience managing an enterprise in the private sector.

The House bill contained no similar provision.

The House recedes.

The conferees note that these desired qualifications are intended to be a guide for the military departments to recruit the best possible private and public sector managerial talent with requisite expertise.

Deadline for completion of full implementation of requirements in connection with organization of the Department of Defense for management of special operations forces and special operations (sec. 917)

The Senate amendment contained a provision (sec. 926) that would require full implementation of the reforms contained in section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) not later than 90 days after enactment of this Act.

The House bill contained no similar provision.

The House recedes.

The conferees note that section 922 of Public Law 114–328 included a number of reforms designed to empower the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict (ASD SOLIC) to act as the "service secretary-like" civilian responsible for exercising "authority, direction and control of all special operations-peculiar administrative matters relating to the organization, training, and equipping of special operations forces (SOF)." However, the conferees are concerned that, despite passage of Public Law 114–328 more than 20 months ago, the implementation of the reforms contained in section 922 remain incomplete.

The conferees further note that section 922 established a new administrative chain of command to facilitate the exercise of these responsibilities that runs from the Commander of U.S. Special Operations Command (SOCOM) through the ASD SOLIC to the Secretary of Defense, thereby mirroring the relationship between the

Secretary of Defense and the service secretaries. This reform was, in part, intended to address the fact that the ASD SOLIC's organizational location within the office of the Under Secretary of Defense for Policy (USD(P)) has resulted in the ASD SOLIC dedicating the preponderance of their time and resources to policy and operational issues, at the expense of their "service secretary-like" responsibilities. The conferees understand the Department continues to work towards full implementation of this administrative chain of command, but reiterate their intent that the ASD SOLIC is empowered to act independent of the USD(P) in fulfillment of their "service secretary-like" responsibilities related to the organization, training, and equipping of special operations forces. This administrative chain of command is not intended to impact the relationship between the ASD SOLIC and USD(P) on policy matters relating to the employment of special operations forces and related authorities.

The conferees also recognize that current civilian manpower within the ASD SOLIC is not sufficient to fulfill the "service secretary-like" responsibilities for the advocacy and oversight of SOF mandated by Congress. The conferees note that, elsewhere in this Act, there is a provision requiring that, of the funds authorized in Operation & Maintenance, Defense-wide for U.S. Special Operations Command civilian personnel, not less than $4 million shall be used to fund additional civilian personnel in or directly supporting the ASD SOLIC Secretariat for Special Operations. This provision would also exempt these additional personnel from the overall personnel caps on the Office of the Secretary of Defense. The conferees believe this is an appropriate model for adequately staffing the ASD SOLIC Secretariat for Special Operations. The conferees encourage the Department to request adequate funding in future years and to propose legislative or other recommendations that would facilitate adequate staffing of the ASD SOLIC Secretariat for Special Operations.

Cross-functional teams in the Department of Defense (sec. 918)

The Senate amendment contained a provision (sec. 925) that would require the Secretary of Defense to establish three cross-functional teams (CFTs) as directed in section 911 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114–328) and would require the Deputy Secretary of Defense to establish or designate an office as the Office of Primary Responsibility for implementing section 911.

The House bill contained no similar provision.

The House recedes with an amendment that limits the statutory establishment of CFTs to one: the CFT for electronic warfare, which the Department itself has not yet created.

In addition to the team established within this provision, the conferees encourage the Secretary of Defense to designate the ongoing teams on personnel security and close combat lethality as CFTs under section 911 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114–328). The conferees stress that this designation should only be made in the event it does not require any changes in either of the ongoing efforts' organization, management, authorities, mission, or activities. In that regard, the con-

ferees note that these teams already have the characteristics and meet the requirements of CFTs established in law by section 911. The conferees remain committed to monitoring the implementation of section 911 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114–328).

Limitation on transfer of the Chemical, Biological, and Radiological Defense Division of the Navy (sec. 919)

The House bill contained a provision (sec. 922) that would require the Secretary of the Navy to provide a report to the congressional defense committees on the timeline, costs, risks, and benefits of transferring the Chemical, Biological, and Radiological Defense Division in Dahlgren, Virginia, to another location.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

The conferees note the Chemical, Biological, and Radiological Defense Division of the Navy, currently based at the Naval Surface Warfare Center in Dahlgren, Virginia, consists of a highly effective team of scientists performing critical work for the United States. The Secretary of the Navy has notified Congress of the intent to transfer the division to another location, however, the Secretary has not provided Congress with a detailed cost benefit analysis or any other information that adequately justifies the proposed transfer of the division.

Subtitle C—Comprehensive Pentagon Bureaucracy Reform and Reduction

Authorities and responsibilities of the Chief Management Officer of the Department of Defense (sec. 921)

The House bill contained a provision (sec. 911) that would amend the authorities of the Chief Management Officer to include budget authority and would authorize the Chief Management Officer to reduce or eliminate duplicative cross-enterprise functions across all Defense Agencies and Field Activities.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend the Chief Management Officer's budget authority over all enterprise business operations, adjust the execution requirements to ensure greatest efficiency for the Department of Defense, and synchronize cost savings reporting associated with increasing effectiveness and efficiency of certain activities.

Analysis of Department of Defense business management and operations datasets to promote savings and efficiencies (sec. 922)

The Senate amendment contained a provision (sec. 941) that would direct the Chief Management Officer to develop a policy on the analysis of Department of Defense datasets on business management and operations and to pilot three to five of these previously non-public datasets under that policy.

The House bill contained no similar provision.

The House recedes with a technical amendment.

The conferees urge the Department to use the exposure of business management and operations datasets as a tool for the accomplishment of enterprise business reform.

Periodic review of the Defense Agencies and Department of Defense Field Activities by the Chief Management Officer of the Department of Defense (sec. 923)

The House bill contained a provision (sec. 913) that would require the Secretary of Defense, acting through the Chief Management Officer (CMO), to submit a plan to transfer several Defense Information Systems Agency functions to other Department elements, to eliminate the Washington Headquarters Service, and to review the efficiency and effectiveness of each Defense Agency and Department of Defense Field Activity.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the portions of the provision related to the Defense Information Systems Agency and the Washington Headquarters Service, and amend the review of efficiency and effectiveness.

Actions to increase the efficiency and transparency of the Defense Logistics Agency (sec. 924)

The House bill contained a provision (sec. 914) that would require that the Director of the Defense Logistics Agency (DLA) and the Chief Management Officer jointly implement a comprehensive system that enables customers to have increased insight into their DLA orders, and to jointly reduce charged rates by at least 10 percent, eliminate duplication of services, and establish specific goals and metrics to ensure the agency is fulfilling its mission.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend the provision to add flexibility around the achievement of the savings target.

Review of functions of Defense Contract Audit Agency and Defense Contract Management Agency (sec. 925)

The House bill contained a provision (sec. 915) that would direct the Under Secretary of Defense for Acquisition and Sustainment and the Under Secretary of Defense (Comptroller) to conduct a joint review of the Defense Contract Audit Agency and Defense Contract Management Agency to validate their missions and functions and determine if any of their functions could be more appropriately performed by the other Agency, any other organization within the Department of Defense, or commercial providers.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend elements of the reporting requirement.

Review and improvement of the operations of the Defense Finance and Accounting Service (sec. 926)

The House bill contained a provision (sec. 916) that would require that, not later than January 1, 2021, the Chief Management Officer and the Under Secretary of Defense (Comptroller) shall

jointly carry out activities to make the Defense Finance and Accounting Services more efficient and effective.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would replace the streamlining activities with a report and amend the reporting requirement.

Assessment of chief information officer functions in connection with transition to enterprise-wide management of information technology and computing (sec. 927)

The House bill contained a provision (sec. 917) that would require that, starting in calendar year 2021, there may not be more than five "Chief Information Officer" in the Department of Defense at the level of Senior Executive Service positions.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would instead require the Chief Information Officer of the Department of Defense, in conjunction with the Chief Management Officer of the Department of Defense, to conduct an assessment of chief information officer functions in the Department of Defense and report the results of that assessment to the congressional defense committees.

Comptroller General of the United States report on cross-enterprise activities of the Inspectors General of the Department of Defense (sec. 928)

The House bill contained a provision (sec. 912) that would require the Department of Defense Inspector General (IG) to maximize efficiency among Department IGs with respect to any cross-enterprise IG activities. This provision would require each organization or element IG to submit a budget to the Department of Defense IG for review before submission to the Under Secretary of Defense (Comptroller).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that replaces the provision with a Comptroller Generals of the United States report on cross-enterprise activities of the Inspector General of the organizations and elements of the Department of Defense.

General provisions (sec. 929)

The House bill included a provision (sec. 918) that would provide authority for the Secretary of Defense and the Chief Management Officer of the Department of Defense to consolidate certain reporting requirements established in this Act. This section would also define certain terms used in this Act and make certain conforming changes in title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Subtitle D—Other Department of Defense Organization and Management Matters

Limitation on availability of funds for major headquarters activities of the Department of Defense (sec. 931)

The Senate amendment contained a provision (sec. 931) that would amend chapter 2 of title 10, United States Code, to limit the amount of funds available for major headquarters activities (MHA) within the Department of Defense (DOD). Beginning in fiscal year 2021, the provision would prohibit the DOD from spending more than 1.6 percent of the 10-year average of the DOD budget on MHA.

Of the funds authorized to be spent on MHA, no more than 0.4 percent of the Department's 10–year budget average shall be available for Office of the Secretary of Defense MHA entities. Additionally, within the total funds available for MHA, 1 percent of the 10-year average of each military department budget shall be available for the MHA requirements of each military department concerned.

Any remaining funds available for MHA requirements may be distributed to any MHA organization within the Department of Defense, with the exception of MHA organizations within the Office of the Secretary of Defense. Combatant command MHA requirements will be funded out of these remaining resources.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Under Secretary of Defense (Comptroller) to certify, and report to the congressional defense committees by no later than February 1, 2019, the average percentage of the DOD budget spent on major headquarters activities (MHA) over the preceding 10 fiscal years. The amendment would also limit the funds authorized to be spent on MHA in fiscal year 2021 to the percentages certified by the Under Secretary of Defense (Comptroller) in the report described above, as applied against the amount of funding authorized to be appropriated in fiscal year 2021.

John S. McCain Strategic Defense Fellows Program (sec. 932)

The Senate amendment contained a provision (sec. 937) that would require the Secretary of Defense to establish, within 1 year of the date of the enactment of this Act, the Strategic Defense Fellows Program within the Department of Defense (DOD) to provide leadership development and the commencement of a career track toward senior leadership in the Department. The provision would prescribe eligibility, application, selection, assignment, term, and certain pay and benefit requirements for prospective fellows. Additionally, the provision would require the Secretary to ensure fellows receive opportunities and support appropriate for commencement of a career track within the DOD that could lead to a future position of senior leadership within the Department. The provision would include authorization of an appropriation of $10.0 million for each fiscal year for the DOD for operation and maintenance, Defense-wide, to carry out the fellows program.

The Senate amendment contained a provision (sec. 1254A) that would cause section 937 to have no force or effect.

The Senate amendment contained another provision (sec. 1254B) that would rename the program, the "John S. McCain Strategic Fellows Program," and would prescribe the same requirements as section 937.

The House bill contained no similar provisions.

The Senate recedes on sections 937 and 1254A.

The House recedes on section 1254B with an amendment that would authorize assignment of no more than five participants in the fellows program to the office of a service secretary in any year. In addition, the amendment would provide opportunities for participants, upon successful completion of the fellows program, to work at Department installations or field activities for a period between 12 and 24 months. The amendment would include authorization of an appropriation of $10.0 million for each fiscal year for the DOD for operation and maintenance, Defense-wide, to carry out the fellows program.

Performance of civilian functions by military personnel (sec. 933)

The House bill included a provision (sec. 903) that would amend section 129a of title 10, United States Code, to require that when the Secretaries of the military departments determine that the performance of civilian functions by military personnel is cost effective, that they further consider whether the functions performed are consistent with the military occupational specialty for which the military personnel have been trained.

The Senate amendment included no similar provision.

The Senate recedes with an amendment that would require the service secretaries, when considering the use of military personnel to perform civilian functions, to take into account the fully-burdened costs of the civilian, military, and contractor workforces, and the impact such assignments would have on military career progression.

Report on implementation of requirements on estimation and comparison of costs of civilian and military manpower and contract support for the Department of Defense (sec. 934)

The House bill contained a provision (sec. 902) that would amend section 129 of title 10, United States Code, to require the Secretary of Defense to consider the cost of the Department of Defense military and contract workforces, along with the cost of the civilian workforce, when managing the civilian personnel workforce of the Department.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to submit to the congressional defense committees, not later than March 1, 2019, a report on the implementation of Department of Defense Instruction 7041.04.

Review of foreign currency exchange rates and analysis of Foreign Currency Fluctuations, Defense appropriation (sec. 935)

The House bill contained a provision (sec. 923) that would direct the Under Secretary of Defense (Comptroller), in coordination with each Secretary of a military department, to conduct a review of the exchange rate for such foreign currency used when making

a disbursement pursuant to a contract to determine whether cost-savings opportunities exist.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment to require the report be submitted by January 31, 2019.

Responsibility for policy on civilian casualty matters (sec. 936)

The Senate amendment contained a provision (sec. 932) that would require the Under Secretary of Defense for Policy to designate a senior civilian official of the Department of Defense at the level of Assistant Secretary of Defense or above to develop, coordinate, and oversee compliance with the policy of the Department relating to civilian casualties resulting from U.S. military operations. Additionally, the provision would require the senior civilian official so designated to submit to the congressional defense committees a report that describes the policies developed under this section and the efforts of the Department to implement those policies.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

Additional matters in connection with background and security investigations for Department of Defense personnel (sec. 937)

The Senate amendment contained a provision (sec. 933) that would require the Secretary of Defense to report on the number of denials or revocations of a security clearance that occurred separately form a periodic reinvestigation.

The House bill contained no similar provision.

The House recedes with a technical amendment.

The conferees note the importance of communicating adjudication decisions from personnel security investigations in a transparent manner to ensure public trust.

Research and development to advance capabilities of the Department of Defense in data integration and advanced analytics in connection with personnel security (sec. 938)

The Senate amendment contained a provision (sec. 942) that would direct the Under Secretary of Defense for Intelligence to conduct research and development efforts on continuous evaluation and personnel security.

The House bill contained no similar provision.

The House recedes.

Subtitle E—Other Matters

Trusted information provider program for national security positions and positions of trust (sec. 941)

The Senate amendment contained a provision (sec. 935) that would require the Director of National Intelligence to establish a program to share information between and among government agencies and industry partners regarding individuals applying for and in positions of trust.

The House bill contained no similar provision.

The House recedes with an amendment that would include the Suitability Executive Agent and limit the program to enabling gov-

ernment agencies to leverage certain information from industry in order to address privacy concerns.

Report on expedited processing of security clearances for mission-critical positions (sec. 942)

The Senate amendment contained a provision (sec. 934) that would require the Director of National Intelligence to establish a program for mission-critical positions to complete the processing of an application for a clearance within a designated timeline.

The House bill contained no similar provision.

The House recedes with an amendment that would replace the program with a report on the feasibility and advisability of programs for expedited processing of security clearances for mission-critical positions, including existing barriers to such programs.

Report on clearance in person concept (sec. 943)

The Senate amendment contained a provision (sec. 936) that would require the Director of National Intelligence to provide a report on the requirements, feasibility, and advisability of implementing a "clearance in person" concept for maintaining access to classified information.

The House bill contained no similar provision.

The House recedes with a technical amendment.

LEGISLATIVE PROVISIONS NOT ADOPTED

Authority of Secretary of Defense to determine command and control relationships

The House bill contained a provision (sec. 901) would amend section 113 of title 10, United States Code, to specify that the Secretary of Defense may define command and control relationships within the Department of Defense as necessary to support the Department's objectives and missions.

The Senate amendment contained no similar provision.

The House recedes.

Powers and duties of the Under Secretary of Defense for Research and Engineering in connection with priority emerging technologies

The Senate amendment contained a provision (sec. 901) that would grant the Under Secretary of Defense for Research and Engineering the authority to direct the military departments and other elements of the Department of Defense with regard to four priority emerging technologies.

The House bill contained no similar provision.

The Senate recedes.

The conferees note the existing discretion of the Secretary of Defense to delegate authority within the Department of Defense.

Redesignation and modification of responsibilities of Under Secretary of Defense for Personnel and Readiness

The Senate amendment contained a provision (sec. 902) that would amend section 136 of title 10, United States Code, to redesignate the Under Secretary of Defense for Personnel and Readiness

as the Under Secretary of Defense for Personnel. This provision would also make the Under Secretary of Defense for Personnel the Chief Human Capital Officer for the Department of Defense.

The House bill contained no similar provision.

The Senate recedes.

Roles of Under Secretary of Defense for Policy and Under Secretary of Defense for Intelligence

The House bill contained a provision (sec. 904) that would define the roles of Under Secretary of Defense for Policy and the Under Secretary of Defense for Intelligence.

The Senate amendment contained no similar provision.

The House recedes.

Assistant Secretary of Defense for Strategy, Plans, Assessments, Readiness, and Capabilities

The Senate amendment contained a provision (sec. 905) that would establish the roles and responsibilities of the Assistant Secretary of Defense for Strategy, Plans, Assessments, Readiness, and Capabilities effective as of February 1, 2019.

The House bill contained no similar provision.

The Senate recedes.

Artificial intelligence and machine learning policy and oversight council

The House bill contained a provision (sec. 921) that would direct the Under Secretary of Research and Engineering to establish an Artificial Intelligence and Machine Learning Policy and Oversight Council to continuously improve research, innovation, policy, joint processes, and procedures that facilitate the development, acquisition, integration, advancement, and sustainment of artificial intelligence and machine learning throughout the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the inclusion elsewhere in this Act of provisions focusing on artificial intelligence progress and governance within the Department of Defense.

Redesignation of the Department of the Navy as the Department of the Navy and Marine Corps

The House bill contained a provision (sec. 931) that would redesignate the Department of the Navy as the Department of the Navy and Marine Corps.

The Senate amendment contained no similar provision.

The House recedes.

Conforming amendments to title 10, United States Code

The House bill contained a provision (sec. 932) that would make conforming amendments to title 10, United States Code, consistent with redesignating the Department of the Navy as the Department of the Navy and Marine Corps.

The Senate amendment contained no similar provision.

The House recedes.

Other provisions of law and other references

The House bill contained a provision (sec. 933) that would amend other references in the United States Code consistent with the redesignation of the Department of the Navy as the Department of the Navy and Marine Corps.

The Senate amendment contained no similar provision.

The House recedes.

Effective date

The House bill contained a provision (sec. 934) that would make certain House provisions effective on the first day of the first month beginning more than 60 days after the date of enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

TITLE X—GENERAL PROVISIONS

Subtitle A—Financial Matters

General transfer authority (sec. 1001)

The House bill contained a provision (sec. 1001) that would allow the Secretary of Defense, with certain limitations, to make transfers between amounts authorized for fiscal year 2019 in division A of this Act. This section would limit the total amount transferred under this authority to $5.0 billion. This section would also require prompt notification to Congress of each transfer made.

The Senate amendment contained a similar provision (sec. 1001) that would allow the Secretary of Defense to transfer up to $4.5 billion of fiscal year 2019 funds authorized in division A of this Act to unforeseen higher priority needs in accordance with normal reprogramming procedures.

The House recedes.

Expertise in audit remediation (sec. 1002)

The House bill contained a provision (sec. 1002) that would amend section 252(b)(2) of chapter 9A of title 10, United States Code, directing the Secretary of Defense to report the number of professionals performing auditing and audit remediation services who hold certain qualifications.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend the reporting requirement and add technical corrections to Chapter 9A of title 10, United States Code.

Authority to transfer funds to Director of National Intelligence for CAPNET (sec. 1003)

The House bill contained a provision (sec. 1003) that would authorize the Secretary of Defense to transfer an amount that does not exceed $2.0 million to the Director of National Intelligence to provide support for the operation of the CAPNET network.

The Senate amendment contained no similar provision.

The Senate recedes.

Audit of financial systems of the Department of Defense (sec. 1004)

The House bill contained a provision (sec. 1004) that would direct the Secretary of Defense to ensure new or altered financial systems meet applicable Federal requirements through a review performed by an independent public accountant.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would specify that the review be completed by professional accountants reporting independently on their findings.

Report on auditable financial statements (sec. 1005)

The House bill contained a provision (sec. 1005) that would require the Secretary of Defense to submit a report ranking all military departments and Defense Agencies in order of how advanced they are in achieving auditable financial statements as required by law.

The Senate amendment contained a similar provision (sec. 1004) that would reinstate a reporting requirement that the Under Secretary of Defense (Comptroller) rank the military departments, Defense Agencies, and Field Activities in terms of audit progress.

The Senate recedes with an amendment that would extend the reporting deadline to 90 days.

Transparency of accounting firms used to support Department of Defense audit (sec. 1006)

The Senate amendment contained a provision (sec. 1005) that would require the Secretary of Defense to mandate that any firm under contract or consideration to support the Department of Defense's full financial statement audit provide a statement documenting any relevant disciplinary proceedings currently in progress involving that firm.

The House bill contained no similar provision.

The House recedes with an amendment that would specify triggering events for these statements, amend the starting date for this authorization, and specify that it applies to audit and audit remediation services.

Subtitle B—Naval Vessels and Shipyards

Inclusion of operation and sustainment costs in annual naval vessel construction plans (sec. 1011)

The House bill contained a provision (sec. 1021) that would incorporate operations and sustainment costs into the 30-year shipbuilding plan required by section 231 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

Purchase of vessels using funds in National Defense Sealift Fund (sec. 1012)

The House bill contained a provision (sec. 1022) that would expand section 2218 of title 10, United States Code, and authorizes the Secretary of the Navy to procure up to 10 foreign-constructed ships if the Secretary certifies that the U.S. Navy has initiated an

acquisition strategy for the construction of 10 new sealift vessels. Additionally, this section would limit 25 percent of the U.S. Navy Military Sealift Command's fiscal year 2019 expenditures until the Secretary of the Navy enters into a contract for the procurement of two used National Defense Reserve Fleet vessels, and completes the capability development document for the common hull multi-mission platform.

The Senate amendment contained a similar provision (sec. 1016) that would authorize the purchase of up to seven foreign-constructed vessels.

The Senate recedes with an amendment that would expand section 2218 of title 10, United States Code, and authorize the Secretary of the Navy to procure up to seven foreign-constructed vessels. In order to procure more than two such vessels, the Secretary would need to certify that the U.S. Navy has initiated an acquisition strategy for the construction of no fewer than 10 new sealift vessels, with the lead ship anticipated to be delivered by not later than 2026.

Purchase of vessels built in foreign shipyards with funds in National Defense Sealift Fund (sec. 1013)

The House bill contained a provision (sec. 1023) that would modify section 2218 of title 10, United States Code, and require a 30-day notice to the congressional defense committees before entering into a contract for a used vessel authorized for procurement by section 2218 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

Date of listing of vessels as battle force ships in the Naval Vessel Register and other fleet inventory measures (sec. 1014)

The Senate amendment contained a provision (sec. 1011) that would clarify the date of listing of vessels as battle force ships in the Naval Vessel Register and other fleet inventory measures.

The House bill contained no similar provision.

The House recedes.

Technical corrections and clarifications to chapter 633 of title 10, United States Code, and other provisions of law regarding naval vessels (sec. 1015)

The House bill contained a provision (sec. 1024) that would update chapter 633 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend section 7303 of title 10, United States Code; repeal section 7295 of title 10, United States Code; and repeal eight other provisions of law.

Dismantlement and disposal of nuclear-powered aircraft carriers (sec. 1016)

The Senate amendment contained a provision (sec. 1015) that would require a report be submitted to the congressional defense committees prior to awarding a contract for dismantlement and disposal of a nuclear-powered aircraft carrier or providing funding

to a naval shipyard for such purpose. This report would require an independent cost estimate performed by the Office of the Secretary of Defense's Cost Assessment and Program Evaluation office. The provision would also require additional information be provided on the dismantlement and disposal of nuclear-powered aircraft carriers with the materials submitted to the Congress by the Secretary of Defense in support of the budget of the President for each fiscal year.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the requirement for independent cost estimates performed by the Office of the Secretary of Defense's Cost Assessment and Program Evaluation office.

Limitation on use of funds for retirement of hospital ships (sec. 1017)

The House bill contained a provision (sec. 1025) that would require the Secretary of the Navy to retain two Mercy-class hospital ships until the Secretary has certified to the congressional defense committees that a replacement capability has been fielded.

The Senate amendment contained a similar provision (sec. 1017).

The House recedes.

Inclusion of aircraft carrier refueling overhaul budget request in annual budget justification materials (sec. 1018)

The Senate amendment contained a provision (sec. 1014) that would require a specific authorization by statute before funds may be obligated or expended for the procurement of a naval nuclear reactor power unit or associated reactor components for the nuclear refueling of an aircraft carrier.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense to include, as part of the budget request for Shipbuilding and Conversion, Navy, a detailed aircraft carrier refueling overhaul request, by hull number, including all funding requested for reactor power units and reactor components.

The conferees intent is the procurement of nuclear reactor power units and associated reactor components necessary for the nuclear refueling of each aircraft carrier be requested in the Shipbuilding and Conversion, Navy account, instead of the Other Procurement, Navy account.

Business case analysis of Ready Reserve Force recapitalization options (sec. 1019)

The Senate amendment contained a provision (sec. 6001) that would require a business case analysis of Ready Reserve Force recapitalization options.

The House bill contained no similar provision.

The House recedes with an amendment that would add a foreign-designed, U.S.-built category of vessels to the business case analysis.

Transfer of excess naval vessel to Bahrain (sec. 1020)

The Senate amendment contained a provision (sec. 6002) that would authorize the President to transfer the ex-U.S.S. Robert G. Bradley (FFG–49), a guided missile frigate, to the Government of Bahrain.

The House bill contained no similar provision.

The House recedes.

Subtitle C—Counterterrorism

Definition of sensitive military operation (sec. 1031)

The House bill contained a provision (sec. 1031) that would modify section 130f of title 10, United States Code, regarding notification requirements for sensitive military operations.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify section 130f of title 10, United States Code regarding the notification requirements for sensitive military operations, including when a partner force has been designated for the provision of collective self-defense. The amendment would also require not later than 30 days after the date of the enactment of this Act the Secretary of Defense to submit to the Committees on Armed Services of the Senate and the House of Representatives a report that includes a list of any instance in which a member of the Armed Forces has engaged or been engaged by enemy forces, used self-defense, or provided collective self-defense of foreign partner forces in a country other than Afghanistan, Iraq, or Syria since December 26, 2013 and a list of all foreign partner forces outside of Afghanistan, Iraq, and Syria for which the Armed Forces are authorized to provide collective self-defense.

Extension of prohibition on use of funds to close or relinquish control of United States Naval Station, Guantanamo Bay, Cuba (sec. 1032)

The Senate amendment contained a provision (sec. 1024) that would extend through fiscal year 2019, the prohibition on the use of funds to close or abandon United States Naval Station, Guantanamo Bay, Cuba, to relinquish control of Guantanamo Bay to the Republic of Cuba, or to implement a material modification to the Treaty between the United States of America and Cuba signed at Washington, D.C. on May 29, 1934, that constructively closes United States Naval Station, Guantanamo Bay.

The House amendment contained no similar provision.

The House recedes.

Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States (sec. 1033)

The House bill contained a provision (sec. 1032) that would prohibit the use of any amounts authorized to be appropriated or otherwise made available for the Department of Defense to be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2019, to transfer or release de-

tainees at U.S. Naval Station, Guantanamo Bay, Cuba, to or within the United States, its territories, or possessions.

The Senate amendment contained a similar provision (sec. 1021).

The Senate recedes.

Prohibition on use of funds to construct or modify facilities in the United States to house detainees transferred from United States Naval Station, Guantanamo Bay, Cuba (sec. 1034)

The House bill contained a provision (sec. 1033) that would prohibit the use of any amounts authorized to be appropriated or otherwise made available for the Department of Defense to be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2019, to construct or modify any facility in the United States, its territories, or possessions to house any detainee transferred from United States Naval Station, Guantanamo Bay, Cuba, for the purposes of detention or imprisonment in the custody or under the effective control of the Department of Defense.

The Senate amendment contained a similar provision (sec. 1022).

The Senate recedes.

Prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to certain countries (sec. 1035)

The House bill contained a provision (sec. 1034) that would prohibit the use of any amounts authorized to be appropriated or otherwise made available for the Department of Defense to be used during the period beginning on the date of the enactment of this Act and ending on December 31, 2019, to transfer, release, or assist in the transfer or release of any individual detained at U.S. Naval Station, Guantanamo Bay, Cuba, to Libya, the Federal Republic of Somalia, the Syrian Arab Republic, or the Republic of Yemen.

The Senate amendment contained a similar provision (sec. 1023).

The Senate recedes.

Subtitle D—Miscellaneous Authorities and Limitations

Strategic guidance documents within the Department of Defense (sec. 1041)

The Senate amendment contained a provision (sec. 1031) that would amend section 113(g) of title 10, United States Code, to identify and clarify three strategic guidance documents that support and implement the National Defense Strategy (NDS). Each document would be expected to meet specific elements as outlined in this provision. In addition, it would require the Secretary of Defense to submit these strategic documents to the congressional defense committees.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the requirement for the Secretary of Defense to provide an annual report or briefing on the Contingency Planning Guidance (CPG)/

Guidance for Employment of the Force (GEF). The amendment would also require the Secretary to provide a comprehensive briefing to the congressional defense committees on the Defense Planning Guidance (DPG).

Notification on the provision of defense sensitive support (sec. 1042)

The House bill contained a provision (sec. 1041) that would modify the current Defense Sensitive Support congressional notification procedures, to include a Secretary of Defense determination that the requesting Federal department has reasonably attempted to satisfy the requirement using internal resources, and that the Department of Defense is the most appropriate Federal agency or department to satisfy the request for support. This section would also add a congressional notification requirement for Department of Defense requests for Reverse Defense Sensitive Support from other Federal departments or agencies.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Coordinating United States response to malign foreign influence operations and campaigns (sec. 1043)

The House bill contained a provision (sec. 1042) that would amend section 101 of the National Security Act of 1947 (50 U.S.C. 3021) to explicitly task the National Security Council (NSC) to coordinate the full U.S. Government response to malign foreign influence operations and campaigns, particularly those that are cyber-enabled. This section would define "malign foreign influence operations and campaigns," and would require the President to task an NSC official with combating it, and further requires the President to submit a report to the designated congressional committees not later than 9 months after the date of the enactment of this Act on the whole-of-government strategy for combating malign foreign influence operations.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Clarification of reimbursable allowed costs of FAA memoranda of agreement (sec. 1044)

The House bill contained a provision (sec. 1095) that would amend section 47504(c)(2) of title 49, United States Code by clarifying the definition of reimbursable allowed costs of Federal Aviation Administration memoranda of agreement.

The Senate amendment contained no similar provision.

The Senate recedes.

Workforce issues for military realignments in the Pacific (sec. 1045)

The House bill contained a provision (sec. 1043) that would amend section 1806 of title 48, United States Code, to allow the continued employment of temporary workers on Guam engaged in the military realignment to Guam or to perform service as a health care worker. This section would also exempt returning workers from the cap on such workers in the event of a single departure and return to Guam.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would strike the returning worker portions of the provision.

Mitigation of operational risks posed to certain military aircraft by automatic dependent surveillance-broadcast equipment (sec. 1046)

The House bill contained a provision (sec. 1044) that would enable the Secretary of Defense to mitigate the operational risk posed to certain military aircraft by the Federal Aviation Administration next-generation airspace control mandate that takes effect on January 1, 2020.

The Senate amendment contained no similar provision.

The Senate recedes.

Limitation on availability of funds for unmanned surface vehicles (sec. 1047)

The House bill contained a provision (sec. 1045) that would limit the availability of funds until the Under Secretary of Defense for Research and Engineering submits a certification to the congressional defense committees on the ghost fleet overlord unmanned surface vehicle program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would eliminate the certification requirement to change the contracting officer and only limit 50 percent of funds made available for the ghost fleet overlord unmanned surface vehicle program until the certification is submitted.

Pilot program for Department of Defense controlled unclassified information in the hands of industry (sec. 1048)

The House bill contained a provision (sec. 1046) that would require the Secretary of Defense to establish and implement a foreign ownership, control, or influence program for Department of Defense controlled unclassified information in the hands of industry. The Secretary would be required to act to ensure that prior to any company receiving controlled unclassified information or classified information, or becoming a cleared defense contractor, the company would have to report to the Secretary any foreign direction or controlling interest in the company or any access to intellectual property relating to classified information or controlled unclassified information. The Secretary would also be required to make a determination on the basis of such a company's report whether the company should receive such information due to a risk to national security and whether such risk can be mitigated.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to establish and implement a pilot program for oversight of designated Department of Defense controlled unclassified information in the hands of defense contractors with foreign ownership, control, or influence concerns. The conferees are aware that foreign intelligence services are aggressively targeting defense contractors to obtain both classified and unclassified defense information.

The conferees expect the department to apply appropriate protections to both classified and controlled unclassified information in the hands of industry. The conferees also acknowledge the importance of compliance with sound cyber security regulations by defense contractors and therefore amended the provision to include a pilot program with the Chief of Information Officer.

Critical technologies list (sec. 1049)

The House bill contained a provision (sec. 1035) that would require the Secretary of Defense to establish and maintain a list of emerging and foundational technologies that are necessary for maintaining the national security technical advantage of the United States.

The Senate amendment contained a similar provision (sec.239) that would direct the Secretary of Defense to develop a list of militarily critical technologies and manufacturing capabilities.

The Senate recedes with an amendment that would amend the elements of the list and add additional guidance on the use and publication of the list.

Airborne Hazards and Open Burn Pit Registry (sec. 1050)

The House bill contained a provision (sec. 1048) that would require the Secretary of Defense to educate individuals who may be eligible to enroll in the Airborne Hazards and Open Burn Pit Registry.

The Senate bill contained a similar provision (sec. 6005).

The Senate recedes.

National Security Commission on Artificial Intelligence (sec. 1051)

The House bill contained a provision (sec. 1050A) that would require the establishment of an independent Commission to review advances in artificial intelligence and machine learning with national security implications.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note the importance of maintaining a technological advantage in artificial intelligence and associated technologies related to national security and defense. While technological developments in these areas are critical, it is also vital to assess the implications of the incorporation of artificial intelligence into future defense applications and the risks associated with foreign adversary advances in military employment of artificial intelligence and machine learning, including international law of armed conflict, humanitarian law, ethical guidelines, and escalation dynamics.

Authority to transfer funds for Bien Hoa dioxin cleanup (sec. 1052)

The Senate amendment contained a provision (sec. 1061) that would authorize the Secretary of Defense to transfer funds to the Secretary of State for the Bien Hoa dioxin cleanup in Vietnam. The provision would authorize not more than $15,000,000 may be transferred in each fiscal years 2019 through 2027.

The House contained no similar provision.

The House recedes with an amendment that would authorize not more than $15,000,000 of funds for fiscal year 2019.

Guidance on the electronic warfare mission area and joint electromagnetic spectrum operations (sec. 1053)

The House bill contained a provision (sec. 1058) that would require the Secretary of Defense, in consultation with the Chairman of the Joint Chiefs of Staff (CJCS), to develop an implementation plan to conduct joint campaign modeling and wargaming for joint electromagnetic spectrum operations (JEMSO) of the Department of Defense (DOD), and to submit that plan in the form of a report. It would also require a briefing on essential topics and functions of the Department's JEMSO enterprise.

The Senate amendment contained a similar provision (sec. 1032) that would establish a senior designated official and an associated cross-functional team to update DOD's June 2017 Electronic Warfare strategy and submit it, along with a road map of the referenced requirements and plans. The road map would include: (1) The efforts undertaken in support of the 2017 DOD Electronic Warfare strategy and any updates or changes to the strategy since its issuance; (2) A review of the vulnerabilities identified in the May 2015 Electronic Warfare assessment; (3) An assessment of the capability of the joint force to conduct joint electromagnetic spectrum operations against peer competitors; and (4) A description of actions, performance metrics, projected timelines for achieving key capabilities for electronic warfare and joint electromagnetic spectrum operations.

The House recedes with an amendment that would modify the roles and responsibilities of the senior designated official. It would also update the reporting requirements to include an assessment of the electronic warfare capabilities of Russia and China, a review of U.S. vulnerabilities with respect to electronic systems, and a study of the manner in which Russia and China develop electronic warfare doctrine. The amendment would also strengthen the capacity of the senior designated official and the Electronic Warfare Executive Committee to propose governance, management, organizational, and operational reforms to the Secretary of Defense.

The conferees note the operational advantages provided by electronic warfare and cyber capabilities and expects the Department to dedicate additional resources to the problem set. The conferees remain concerned that electronic and cyber warfare are two warfighting areas where our peer adversaries, such as China and Russia, are establishing significant asymmetric advantages and the conferees urge swift action by the Department's leadership to regain United States superiority in these warfighting areas.

The conferees direct the Secretary of Defense, in coordination with the Chairman of the Joint Chiefs of Staff, to provide the congressional defense committees a briefing not later than February 25, 2019, on: (1) An update on the progress of the Department in implementing the pilot program authorized by section 234 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 113 note); (2) The progress of the Department in establishing a network to connect an electromagnetic battle management system to multiple sensor and intelligence data

feeds to implement electronic warfare battle management for networked electronic warfare and dynamic reprogramming with automated near real-time capabilities, and (3) The number of personnel assigned to joint electromagnetic spectrum operations mission activities. The personnel information should include officers, enlisted members, and civilian personnel, set forth separately by career field designator and rank for each military service, combatant command, and defense agency. It should also include a comparison of commissioned officer promotion rates, by grade, as compared to the average promotion rates for commissioned officers, by grade, in each military service, over the five most recent promotion cycles that have been completed since the end of fiscal year 2018.

Subtitle E—Studies and Reports

Annual reports by the Armed Forces on Out-Year Unconstrained Total Munitions Requirements and Out-Year inventory numbers (sec. 1061)

The Senate amendment contained a provision (sec. 1042) that would amend title 10 to require the Services provide an annual report to the Congress detailing the Armed Forces' annual total munitions requirements and out-year munitions inventory numbers. The details of the report would be based on the Department of Defense's munitions requirements process.

The House bill contained no similar provision.

The House recedes.

Improvement of annual report on civilian casualties in connection with United States military operations (sec. 1062)

The House bill contained a provision (sec. 1051) that would amend section 1057(b)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to include an annual reporting requirement on civilian casualties in connection with U.S. military operations.

The Senate amendment contained a similar provision (sec. 1046) that would amend section 1057 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to clarify annual reporting requirements on civilian casualties in connection with United States military operations.

The House recedes.

Report on capabilities and capacities of Armored Brigade Combat Teams (sec. 1063)

The Senate amendment contained a provision (sec. 1045) that would require the Secretary of the Army to submit a report on the capabilities and capacities of Armored Brigade Combat Teams.

The House bill contained no similar provision.

The House recedes.

Activities and reporting related to Department of Defense's Cloud Initiative (sec. 1064)

The House bill contained a provision that would prohibit certain funds authorized to be appropriated by this Act from being obligated or expended for the Joint Enterprise Defense Infrastructure

until the Secretary of Defense provides a report to the congressional defense committees on the Joint Enterprise Defense Infrastructure.

The Senate amendment contained a provision that would direct the Cloud Executive Steering Group to execute certain activities enabling the Joint Enterprise Defense Infrastructure such as securing networks and conducting workload migration analysis. The Senate amendment also contained a limitation on new system and application approvals unless an assessment that such system is, can, or would be cloud-hosted. Additionally, the Senate amendment contained a provision providing for transparency and competition.

The Senate recedes with an amendment that lowers the prohibition on certain funds, provides for a waiver on the new system and application approval, and directs the Chief Information Officer of the Department of Defense (DOD), acting through the Cloud Executive Steering Group, to conduct certain activities enabling DOD's cloud initiatives.

The conferees have long championed modernization of information technology throughout DOD agencies, services, and other entities to facilitate efficiencies, cost-savings, enhance performance, and to provide our warfighters with cutting-edge capabilities on and off the battlefield. The conferees emphasize the importance of modernizing networks by adopting advancing commercial capabilities to achieve DOD's cloud transition and enterprise efficiency goals. Further, the conferees believe that workload analysis is critical to understanding migration feasibility and costs. Especially where barriers stem from technical, intellectual property, and data rights issues that are poorly understood, such barriers may fundamentally limit the potential utility of commercial cloud services to the Department.

The conferees encourage the Department to continue to ensure that cloud technologies are technically suitable, appropriately tested for security and reliability, and integrated with other DOD information technology efforts so as to optimize effective and efficient procurement of such technologies and services and their performance in support of DOD missions.

Finally, the conferees note that although transparency and information sharing by the Department on the Cloud Initiative has slightly improved, it continues to be insufficient for conducting congressional oversight. The conferees expect the Department to improve communication with Congress on this issue and will consider additional legislation if an improvement is not seen.

Limitation on use of funds for United States Special Operations Command Global Messaging and Counter-Messaging platform (sec. 1065)

The House bill contained a provision (sec. 1054) that would limit the availability of funds authorized to be appropriated by this Act, or otherwise made available for fiscal year 2019, until the Secretary of Defense provides a report to the congressional defense committees on the United States Special Operations Command (SOCOM) Global Messaging and Counter-Messaging (GMCM) platform.

The Senate amendment contained a provision (sec. 1033) that would prohibit the use of any funds authorized to be appropriated by this Act for the SOCOM GMCM platform until the Secretary of Defense submits to the congressional defense committees a report containing detailed information relating to the platform and SOCOM's military information support enterprise.

The House recedes with an amendment that would prohibit the use of any funds authorized to be appropriated by this Act for SOCOM's GMCM platform until the Secretary of Defense submits to the congressional defense committees a report containing detailed information relating to the platform. The conferees understand that the Secretary of Defense identified SOCOM as the Department of Defense's (DOD) proponent for military information support operations (MISO) and directed the establishment of a centralized GMCM platform at SOCOM. Given SOCOM's transregional approach to matters within its purview, the conferees believe the command is positioned to play an important role in supporting the GMCM activities of the other combatant commands by enabling facilities and contracting efficiencies, the capture and adoption of best practices, and messaging consistency across geographic boundaries. However, the budget request lacks sufficient detail on the plan for establishment of the GMCM capability, including the identification of budget, infrastructure and equipment requirements for the platform to reach full operational capability as well as an identification of long-term sustainment costs. Additionally, the conferees require greater understanding of how GMCM planning and activities will be de-conflicted and, where possible, integrated with the planning and activities of the combatant commands as well as other relevant departments and agencies of the United States Government, including the Department of State's Global Engagement Center.

The amendment would also require the Secretary of Defense not later than 9 months after the date of the enactment of this Act to submit to the congressional defense committees a report containing a review and assessment of the doctrine, organization, training, materiel, leadership and education, personnel, and facilities applicable to military information support personnel and recommend changes for enhancing the ability of military information support personnel to operate effectively in the current and future information environment.

Comprehensive review of professionalism and ethics programs for special operations forces (sec. 1066)

The House bill contained a provision (sec. 1055) that would direct the Secretary of Defense, in coordination with the Secretaries of the military departments, to conduct a comprehensive review of the ethics and professionalism programs of the U.S. Special Operations Command (SOCOM) and the military departments for officers and other military personnel serving in special operations forces. This section would require the Secretary of Defense to submit the review to the Committees on Armed Services of the Senate and the House of Representatives by March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense to conduct a comprehensive review of the ethics programs and professionalism programs of SOCOM and of the military departments for officers and other military personnel serving in special operations forces and submit the review to the Committees on Armed Services of the Senate and the House of Representatives by March 1, 2019.

Munitions assessments and future-years defense program requirements (sec. 1067)

The House bill contained a provision (sec. 1056) that would require the Under Secretary of Defense for Acquisition and Sustainment to provide all relevant documents related to the Department of Defense's munitions requirements process, as well as provide the planned funding and munitions requirements required for fiscal year 2020 and across the Future Years Defense Program for munitions across all military services and the Missile Defense Agency. This section would also require the Under Secretary to evaluate and identify supply chain risks, including qualified supplier shortages or single source supplier vulnerabilities for munitions production.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on establishment of Army Futures Command (sec. 1068)

The House bill contained a provision (sec. 1057) that would require the Secretary of the Army to submit a report on the Army's plan for the establishment of Army Futures Command.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on cyber-enabled information operations (sec. 1069)

The House bill contained a provision (sec. 1061) that would require the President to provide to the Committees on Armed Services and Foreign Affairs of the House of Representatives and the Committees on Armed Services and Foreign Relations of the Senate a report, not later than 180 days after the date of the enactment of this Act, on the effects of cyber-enabled information operations on the national security of the United States.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on unmanned aircraft in Arlington National Cemetery (sec. 1070)

The House bill contained a provision (sec. 1062) that states a sense of Congress that the Administrator of the Federal Aviation Administration (FAA) and the Secretary of Defense should coordinate to: (1) Prevent the flight of unmanned aircraft over Arlington National Cemetery, to the maximum amount practical, in order to preserve the sacred atmosphere of the cemetery as a national shrine; and (2) Restrict all flights of unmanned aircraft over Arlington National Cemetery during the execution of funeral services, except in emergency situations, the execution of national security operations, and unmanned aircraft flown at the request of the fam-

ily participating in funeral services. The provision would require a briefing from the Secretary and the FAA Administrator not later than 60 days after the date of the enactment of this Act, to the Committees on Armed Services, Transportation and Infrastructure, and Veterans' Affairs of the House of Representatives and the Committees on Armed Services, Commerce, Science, and Transportation, and Veterans' Affairs of the Senate on whether legislative action is required to prevent low flying unmanned aircraft from disrupting funerals at Arlington National Cemetery.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Secretary of Defense and the FAA Administrator to submit a letter report to the same committees not later than 90 days after the date of the enactment of this Act.

The conferees encourage the Secretary of Defense and the FAA Administrator to coordinate on the prevention of unauthorized flights of unmanned aircraft over Arlington National Cemetery to preserve the sanctity of the cemetery as a national shrine.

Report on an updated Arctic strategy (sec. 1071)

The House bill contained a provision (sec. 1063) that would require the Secretary of Defense to submit not later than June 1, 2019 to the congressional defense committees a report on an updated Arctic strategy to improve and enhance joint operations, with additional reporting on Russian and Chinese activity in the Arctic region.

The Senate amendment contained a similar provision (sec. 1253) that would require the service secretaries to submit to the congressional defense committees a report on the strategy of the Army, the Navy, the Marine Corps, and the Air Force, respectively, for the Arctic region.

The Senate recedes with an amendment that would require the report to include a description of the United States national security interests in the Arctic region, an assessment of the threats and security challenges posed by adversaries in the region, and a description of the level of cooperation between the Department of Defense and other relevant departments, agencies, and State, local, and Tribal entities related to the defense of the region.

Report on use and availability of military installations for disaster response (sec. 1072)

The House bill contained a provision (sec. 1093) that would require the Secretary of Defense to conduct a report on the use and availability of military installations for disaster response.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on Department of Defense participation in Export Administration Regulations license application review process (sec. 1073)

The Senate amendment contained a provision (sec. 1047) that would require the Under Secretary of Defense for Policy to submit to the congressional defense committees a report on the participation by the Department of Defense in the process for reviewing ap-

plications for export licenses under the Export Administration Regulations as a reviewing agency under Executive Order 12981. The provision would require that the report be submitted to the congressional defense committees not later than 180 days after the enactment of this Act and every 180 days thereafter until the date that is 3 years after such date of enactment.

The House bill contained no similar provision.

The House recedes with an amendment that would add the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House as recipients of the report.

Military aviation readiness review in support of the National Defense Strategy (sec. 1074)

The Senate amendment contained a provision (sec. 1044) that would require the Secretary of Defense to establish a joint review of military aviation and deliver an accompanying report to the Committees on Armed Services of the Senate and the House of Representatives. The Senate bill also contained a provision (sec. 6003) that would make a technical correction to sec. 1044.

The House bill contained no similar provision.

The House recedes with an amendment that would incorporate the technical correction into the underlying provision.

Report on highest-priority roles and missions of the Department of Defense and the Armed Forces (sec. 1075)

The Senate amendment contained a provision (sec. 1041) that would require the Secretary of Defense to provide a report to the congressional defense committees concerning a re-evaluation of the highest priority missions for the Department of Defense, the roles of the Joint Force in the performance of such missions, and the capability requirements which stem from them. The required report, due February 2019, includes a series of questions further inquiring about the specific impacts of the National Defense Strategy on the Department of Defense.

The House bill contained no similar provision.

The House recedes with an amendment that would modify the questions of the report requirement to re-evaluate the roles and missions of the Joint Force. Furthermore, the amendment would require the report be submitted by March 31, 2019.

The conferees note that a new National Defense Strategy was released in 2018 prioritizing the development of a more lethal joint force that is ready to deter and, if necessary, defeat aggression by great power competitors with advanced military capabilities. The conferees realize that the Department has begun implementing the National Defense Strategy, however, the strategy, and its implications for the size, structure, shape, mission, and employment of the joint force, were not completed in time to fully inform the President's fiscal year 2019 budget request. As the Department continues to implement changes from the National Defense Strategy, the conferees recommend the Department conduct further analytical work in order to facilitate the implementation of the strategy.

Subtitle F—Other Matters

Technical, conforming, and clerical amendments (sec. 1081)

The House bill contained a provision (sec. 1071) that would make a number of technical, conforming, and clerical amendments of a non-substantive nature to existing law.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Principal Advisor on Countering Weapons of Mass Destruction (sec. 1082)

The House bill contained a provision (sec. 1072) that would direct the Secretary of Defense to designate, from among the personnel of the Office of the Secretary of Defense, a Principal Advisor on Countering Weapons of Mass Destruction (CWMD). Such individual would act as the Principal Advisor to the Secretary on the activities of the Department of Defense relating to countering weapons of mass destruction. Furthermore, this provision would require a plan for realigning or restructuring the current CWMD oversight framework of the Office of the Secretary of Defense.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the directive to designate a Principal Advisor on CWMD to a permissive recommendation to create such a position. The amendment would also require a plan 180 days after the date of enactment to streamline oversight of countering weapons of mass destruction within the Office of the Secretary of Defense. The amendment requires the Secretary to issue a directive not later than 90 days after the oversight plan is issued for the Countering Weapon of Mass Destruction (WMD)—Unity of Effort Council to implement the plan within the Department. Finally, concurrent with the annual budget submission by the Department, through fiscal year 2024, the Secretary shall submit a concise budget summary provided by the Comptroller for all countering WMD activities of the Department, including, a list of actions taken to promote the unity of effort for countering WMD, a list of topics the Countering WMD—Unity of Effort Council has considered and their resolution, a list of current and future WMD threats and a plan consistent with the future years defense program to counter those threats.

Modification of authority to transfer aircraft to other departments for wildfire suppression purposes (sec. 1083)

The House bill contained a provision (sec. 1075) that would amend section 1098 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66) to relieve the Air Force from the mandate to modify United States Coast Guard (USCG) HC–130H aircraft with firefighting capabilities for use by the United States Forest Service (USFS).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would maintain the mandate for the Air Force to modify the USCG HC–130H aircraft, but designate the state of California as the ultimate recipient of the aircraft, vice the USFS.

Improvement of database on emergency response capabilities (sec. 1084)

The Senate bill contained a provision (sec. 1062) that would amend section 1406 of the National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364) to require the Department of Defense (DOD) to establish the database required under that section not later than one year after the date of enactment of this Act. Furthermore, the provision would require the database to include information on the emergency response capabilities of the National Guard of each U.S. Territory and information on the cyber capabilities of National Guard and Reserve units identified by DOD as critical for response to domestic natural or man-made disasters. Finally, the provision would clarify that the Department may use an existing database or system to fulfill the requirement to establish a database under certain circumstances.

The House bill contained no similar provision.

The House recedes with a technical, clarifying amendment.

Disclosure requirements for United States-based foreign media outlets (sec. 1085)

The House bill contained a provision (sec. 1096) that would add section 722 to title 47, United States Code, to mandate disclosure requirements for United States-based foreign media outlets. The provision would also require a report from United States-based foreign media outlets to the Federal Communications Commission not later than 60 days after the enactment of this Act and not less than every 6 months thereafter. The Commission would also submit a report to Congress not later than 90 days after the enactment of this Act and not less than every 6 months thereafter on their findings and ensure the findings are available for public consumption.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees recognize the need for greater transparency of foreign government owned media outlets. Foreign governments, namely Russia and China, use government media to disseminate disinformation to sway public opinion and impact our political processes. The conferees direct such outlets disclose their foreign government ownership to Congress and the American people to ensure there is greater visibility of the role of foreign governments in our media landscape. The conferees note this provision is intended to apply only to foreign-based media companies who act as an agent of or at the order, request, or under the direct control of a government of a foreign country or foreign political party.

United States policy with respect to freedom of navigation and overflight (sec. 1086)

The Senate amendment contained a provision (sec. 1064) that would state that it is the policy of the United States to fly, sail, and operate throughout the oceans, seas, and airspace of the world wherever international law allows. The provisions would also set forth certain steps the Secretary of Defense should take in the implementation of such policy.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the United States, in furtherance of its policy with respect to freedom of navigation and overflight, should execute routine and regular air and maritime freedom of navigation operations throughout the year in accordance with international law, including, but not limited to, maneuvers beyond innocent passage.

National Commission on Military Aviation Safety (sec. 1087)

The House bill contained a provision (sec. 1078) that would establish a National Commission on Military Aviation Safety.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would provide further details on the establishment and operations of the commission.

The conferees believe the Secretary of Defense should take all appropriate actions to increase aircraft maintenance availability and pilot training and proficiency to ensure the highest levels of flight safety.

Sense of Congress regarding the international borders of the United States (sec. 1088)

The House bill contained a provision (sec. 1084) that would express the sense of Congress on the importance of gaining and maintaining control of the international borders of the United States, the role and importance of devoting adequate resources for the Department of Homeland Security to accomplish that mission, and the role and importance of adequate resources for the Department of Defense to support that mission while maintaining combat readiness.

The Senate amendment contained no similar provision.

The Senate recedes.

Policy on response to juvenile-on-juvenile problematic sexual behavior committed on military installations (sec. 1089)

The Senate amendment contained a provision (sec. 1036) that would require the Secretary of Defense to establish a policy, applicable across the military installations of the Department of Defense, on the response of the Department to allegations of juvenile-on-juvenile abuse on military installations.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary to establish a policy, applicable across the military installations of the Department of Defense, on the response of the Department to allegations of juvenile-on-juvenile problematic sexual behavior on military installations.

Recognition of America's veterans (sec. 1090)

The House bill contained a provision (sec. 1077) that would authorize the Secretary of Defense to provide support as the Secretary determines to be appropriate for a parade to be carried out in the District of Columbia. The Secretary would be permitted to expend funds for the display of small arms and munitions appropriate for customary ceremonial honors and for the participation of military units that perform customary ceremonial duties. The pro-

vision would prohibit the expenditure of funds to provide certain vehicles, platforms, munitions, and operational units if the Secretary determines doing so would undermine military readiness.

The Senate amendment contained no similar provision.

The Senate recedes.

Prohibition of funds for Chinese language instruction provided by a Confucius Institute (sec. 1091)

The Senate amendment contained a provision (sec. 1065) that would that would prohibit funds to be obligated or expended for Chinese language instruction provided by a Confucius Institute. The provision would also prohibit funds to be obligated or expended to support a Chinese language program at an institution of higher education that hosts a Confucius Institute unless the Under Secretary of Defense for Personnel and Readiness provides a certification to the congressional defense committees concerning the relationship of Confucius Institute employees and instructors to the Chinese language program.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that none of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense under this Act may be obligated or expended for Chinese language instruction provided by a Confucius Institute. The amendment would also impose a limitation on funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense under this Act may be obligated or expended to support a Chinese language program at an institution of higher education that hosts a Confucius Institute. The amendment would allow the Undersecretary of Defense for Personnel and Readiness to waive this limitation if the Under Secretary certifies to the congressional defense committees that (a) Confucius Institute employees and instructors will provide no instruction or educational support to the program; (b) Confucius Institute employees and instructors will have no authority with regard to the curriculum and activities of the program; and (c) the institution has made available to the Department of Defense all memoranda of understanding, contracts, and other agreements between the institution and the Confucius Institute, or between the institution and any agency of or organization affiliated with the government of the People's Republic of China. The amendment would also clarify that the prohibition and limitation shall not apply to an institution of higher education by reason that the institution funds or sponsors an event or activity, regardless of any affiliation of any individual who participates in the event or activity, and shall not be construed to prohibit funding for other programs, research or other activities at an institution that hosts a Confucius institute.

Department of Defense engagement with certain nonprofit entities in support of missions of deployed United States personnel around the world (sec. 1092)

The House bill contained a provision (sec. 1074) that would amend title 36, United States Code, to establish a federal charter for Spirit of America.

The Senate amendment contained a provision (sec. 1063) that would express the sense of the Senate regarding collaboration with and the provision of logistical support to covered non-Federal entities, including Spirit of America and would authorize the Department of Defense (DOD), consistent with applicable guidance, to accept from any covered non-Federal entity privately funded humanitarian, economic, and other nonlethal assistance; and respond to requests from covered non-Federal entities for the identification of the needs of local populations abroad for assistance, and coordinate with such entities in the provision and distribution of such assistance.

The House recedes with an amendment that would express the sense of Congress that United States military commanders should, consistent with applicable laws, regulations, and guidance developed consistent with section 1088 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), engage with and provide logistical support to covered non-Federal entities, including Spirit of America, to advance the military missions of the Armed Forces. The amendment would also require not later than one year after the date of enactment of this Act the Secretary of Defense, with the concurrence of the Secretary of State, to submit to the appropriate congressional committees a report on DOD engagement with covered non-federal entities.

LEGISLATIVE PROVISIONS NOT ADOPTED

Inclusion of funds for Air Force pass-through items in Defense-wide budget for the Department of Defense

The Senate amendment contained a provision (sec. 1002) that would require the Secretary of Defense to transfer Air Force pass-through budget items to the defense-wide budget for fiscal year 2020 and future budget requests.

The House bill contained no similar provision.

The Senate recedes.

Department of Defense support for combating opioid trafficking and abuse

The House bill contained a provision (sec. 1011) that would express the sense of Congress on the role of the Department of Defense in support of other Federal agencies addressing the opioid epidemic in the United States. The provision would further increase funds authorized to be appropriated to the Department of Defense National Guard counterdrug programs for fiscal year 2019 by $20.0 million.

The Senate bill contained no similar provision.

The House recedes.

The conferees express strong concern over the growth of the opioid epidemic in the United States over the past 15 years. The number of deaths in the United States related to opioid use in 2016 was 42,269 according to the Centers for Disease Control and Prevention. The conferees note that the Office of National Drug Control Policy is the lead agency for coordinating the Federal response to address the opioid epidemic. The Department of Defense plays a vital supporting role by providing key capabilities such as intel-

ligence analysis, preventative education programs, and assistance to other lead Federal government interagency partners. The conferees encourage continued strong cooperation between the Department of Defense and other Federal partners in identifying transnational criminal organizations and combating the opioid epidemic.

Authority to transfer individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States temporarily for emergency or critical medical treatment

The Senate amendment contained a provision (sec. 1025) that would authorize the temporary transfer of individuals detained at United States Naval Station, Guantanamo Bay, Cuba to the United States for necessary medical treatment that is not available at Guantanamo.

The House bill contained no similar provision.

The Senate recedes.

Sense of Congress on the basing of KC–46A aircraft outside the continental United States

The Senate amendment contained a provision (sec. 1034) that would express the sense of Congress on the basing KC–46A aircraft outside the continental United States.

The House bill contained a similar provision (sec. 1099A).

The Senate and the House recede.

The conferees agree that the Secretary of the Air Force, as part of the strategic basing process for KC–46A aircraft, should continue to consider the benefits derived from locations outside the continental United States that:

(1) Support day-to-day air refueling operations, operations plans of the combatant commands, and flexibility for contingency operations, and have:

(a) a strategic location that is essential to the defense of the United States and its interests;

(b) receivers for boom or probe-and-drogue training opportunities with joint and international partners; and

(c) sufficient airfield and airspace availability and capacity to meet requirements; and

(2) Possess facilities that:

(a) take full advantage of existing infrastructure to provide—

(i) runway, hangars, and aircrew and maintenance operations; and

(ii) sufficient fuels receipt, storage and distribution capacities for a 5-day peacetime operating stock; and

(b) minimize overall construction and operational costs.

Relinquishment of legislative jurisdiction of criminal offenses on military installations

The Senate amendment included a provision (sec. 1035) that would, in the case of any military installation or portion of a military installation of which exclusive legislative jurisdiction of criminal offenses committed by juveniles is retained by the United States as of the date of the enactment of this Act, would require

the relevant service secretary to seek to relinquish to the State, Commonwealth, territory, or possession concerned legislative jurisdiction of such offenses such that the United States and the State, Commonwealth, territory, or possession would have concurrent legislative jurisdiction of such offenses.

The House bill included no similar provision.

The Senate recedes.

The conferees are concerned about the lack of State or local criminal jurisdiction over offenses committed on those portions of military installations with exclusive Federal jurisdiction by individuals not subject to the Uniform Code of Military Justice. Therefore, the conferees direct service secretaries to seek to relinquish jurisdiction pursuant to section 2683 of title 10, United States Code, such that the United States and the State, Commonwealth, territory, or possession would have concurrent jurisdiction over offenses committed on these military installations. Not later than 15 months after the date of enactment of this act, each service secretary shall submit a report to the Committees on Armed Services of the Senate and the House of Representatives on the relinquishment of jurisdiction. The report shall include the following pertaining to military installations under the jurisdiction of the Secretary: (1) A list of the installations or portions of installations where jurisdiction was relinquished pursuant to this directive; (2) A list of the installations or portions of installations where the Secretary offered to relinquish jurisdiction, but the State, Commonwealth, territory, or possession declined to accept the relinquishment of jurisdiction; (3) A list of the installations or portions of installations where the Secretary elected not to seek relinquishment of jurisdiction and the reason for not seeking such relinquishment; and (4) A complete list of the installations or portions of installations of which the United States continues to exercise exclusive jurisdiction over criminal offenses as of the date of the report.

For juvenile offenses committed on portions of military installations where concurrent jurisdiction exists, the conferees strongly urge that jurisdiction over individual cases involving juveniles be relinquished only where the State, Commonwealth, territory, or possession concerned has procedures under which cases involving juvenile offenders can be adjudicated in a juvenile proceeding unless the offense is of sufficient gravity that adjudication as an adult is appropriate. Additionally, the conferees encourage the military command and the entity exercising jurisdiction over juveniles to seek to avoid unnecessary separation of juveniles from parents or legal guardians.

Automatic sunset for future statutory reporting requirements

The Senate amendment contained a provision (sec. 1048) that would establish an automatic sunset of three years for future statutory reporting requirements of indefinite duration.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that excess reporting requirements impose costs on the Department of Defense that compound over time. The conferees direct the Secretary of Defense to report to the congressional defense committees, no later than April 1, 2019, a list of re-

porting requirements of indefinite duration that the Secretary believes are over-burdensome or overcome by other requirements. Such report should include the Secretary's analysis of reports listed in section 1061 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

Sale of surplus Department of Defense equipment to eligible farmers

The House bill contained a provision (sec. 1050) that would permit the Secretary of Defense, in consultation with the Secretary of Agriculture, to transfer excess Department of Defense (DOD) equipment related to farming to eligible military veterans who are beginning careers as farmers prior to such property being made available for public sale.

The Senate amendment contained no similar provision.

The House recedes.

The conferees encourage the Defense Logistics Agency to continue to engage with and educate relevant stakeholder organizations, current customers, and prospective participants, including veterans farming organizations, in programs that sell or transfer excess DOD property to ensure that the programs reach a wide array of customers, including military veterans beginning careers in the agricultural sector.

Report on potential improvements to certain military educational institutions of the Department of Defense

The Senate amendment contained a provision (sec. 1050) that would require the Secretary of Defense to submit a report to the Committees on Armed Services of the Senate and the House of Representatives no later than December 1, 2019, reviewing educational institutions of the Department of Defense (DOD). The review would be conducted by an outside organization with expertise in analyzing matters in connection with higher education.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the Comptroller General of the United States is currently conducting a study at the direction of Committee on Armed Services of the House of Representatives related to the quality of curricula and faculty at Professional Military Education (PME) and Joint Professional Military Education (JPME) institutions. In addition to the questions addressed by that study, the conferees direct the Comptroller General to provide preliminary observations to the Committees on Armed Services of the Senate and the House of Representatives, no later than February 1, 2019, with a report to follow, that are address the following additional questions:

(1) How do the admission standards and graduation requirements of the educational institutions of the DOD compare with the admission standards, graduation requirements, and graduation rates of public and private institutions of higher education?

(2) How do the goals and missions of the educational institutions of the DOD compare with the goal and missions of similar public and private institutions of higher education?

(3) How would modifications to admissions and graduation requirements affect the quality of education at PME and JPME institutions?

(4) How would modifications to the following policies or practices influence the quality of education at PME/JPME institutions?

a. Modification of admission and graduation requirements;

b. Reduction or expansion of degree-granting authority;

c. Reduction or expansion of the acceptance of research grants;

d. Reduction of class size generally;

e. Reduction of class size through increased sponsoring of military students at non-DOD higher education institutions;

f. Increase in the frequency of curriculum changes to account for emerging national defense issue; and

g. Modification of civilian faculty management and employment practices.

Expansion of definition of covered facility or asset for purposes of protection from unmanned aircraft

The House bill contained a provision (sec. 1050B) that would expand the definition of covered facility or asset for the purposes of protection from unmanned aircraft.

The Senate amendment contained no similar provision.

The House recedes.

Recruiting costs of the Armed Forces

The Senate amendment contained a provision (sec. 1051) that would require the Secretary of Defense to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives on the costs of recruiting for the Armed Forces.

The House bill contained no similar provision.

The Senate recedes.

Department of Defense Review and Assessment on Advances, Opportunities, and Risks Related to Artificial Intelligence and Machine Learning

The House bill contained a provision (sec. 1052) that would direct the Secretary of Defense, acting through the Defense Innovation Board and the Under Secretary of Defense for Research and Engineering, to carry out a review and assessment of the advances in artificial intelligence, related machine learning developments, and associated technologies for military applications.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the inclusion elsewhere in this Act of provisions focusing on artificial intelligence progress and governance within the Department of Defense.

Report on support for non-contiguous States and Territories in the event of threats and incidents

The House bill contained a provision (sec. 1059) that would direct the Secretary of Defense to submit to the congressional defense committees a report on the Department of Defense's (DOD) support

to non-contiguous States and Territories in the aftermath of natural or man-made incidents.

The Senate bill contained no similar provision.

The House recedes.

The conferees note the importance of DOD's support to civil authorities in the event of natural and man-made disasters, including disasters affecting non-contiguous States and Territories such as recent hurricanes affecting Puerto Rico and volcanic eruptions affecting Hawaii. The conferees therefore direct the Secretary of Defense to submit a report not later than 90 days after the enactment of this Act on the preparedness of DOD in providing support to non-contiguous States and Territories in the aftermath of applicable natural and man-made disasters, threats, and emergencies. The report should discuss support provided under section 403(c) of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Public Law 100–707) and incidents including natural disasters, acts of terrorism, and industrial accidents. The report should be submitted in unclassified form, but may contain a classified annex.

Report on low-boom flight demonstration

The House bill contained a provision (sec. 1060) that would require the Administrator of the National Aeronautics and Space Administration to submit a report to Congress describing the progress in development of the Low-Boom Flight Demonstration.

The Senate amendment contained no similar provision.

The House recedes.

Report on desalinization technology

The House bill contained a provision (sec. 1064) that would require the Secretary of the Navy to submit a report on desalinization technology's application process for defense and national security purposes.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of the Navy to submit a report to the congressional defense committees no later than February 1, 2019 on desalinization technology's application for defense and national security purposes to provide drought relief to areas impacted by sharp declines in water resources.

Report on implementation of recommendations in Defense Business Board study

The House bill contained a provision (sec. 1065) that would require the Secretary of Defense to submit a report on the efforts of the Secretary to implement recommendations in the study set forth by the Defense Business Board (DBB) titled "Transforming Department of Defense's Core Business Processes for Revolutionary Change."

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that a number of analyses, including the DBB study, the Government Accountability Office High Risk List, and Department of Defense Inspector General reports have pointed to waste of resources due to inefficiencies within the business func-

tions of the Department of Defense. The conferees direct the Chief Management Officer to carefully review these studies and incorporate them as appropriate in the efforts already underway by the Secretary of Defense's Reform Management Group (RMG). The Secretary of Defense shall provide a report on RMG to the congressional defense committees no later than six months after date of enactment of this Act, including upfront costs and savings from RMG activities.

Receipt of Firearm or Ammunition

The House bill contained a provision (sec. 1073) that would amend title 18, United States Code, to require that, for the purposes of Federal firearms laws, the residency of members of the Armed Forces and their spouses be determined on the same basis.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the residence of a spouse of a member of the Armed Forces is the State in which that spouse resides, which is the State of the permanent duty station of the member, or such other State where the spouse may reside.

Reauthorization of National Aviation Heritage Area

The House bill contained a provision (sec. 1076) that would amend title V of division J of the Consolidated Appropriations Act of 2005 (Public Law 108–447) to establish Dayton History as the entity responsible for managing the National Aviation Heritage Area.

The Senate amendment contained no similar provision.

The House recedes.

Target practice and marksmanship training support

The House bill contained a provision (sec. 1079) that would amend sections 669a, 669g, and 669h of title 16, United States Code, to expand opportunities for construction and sustainment of target practice and marksmanship training facilities at public target ranges on Federal and non-Federal land.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress on adversary air capabilities

The House bill contained a provision (sec. 1080) that would express the sense of Congress on adversary air capabilities.

The Senate amendment contained no similar provision.

The House recedes.

The conferees agree that each facility of the Department of Defense housing an F–22 aircraft squadron should have adversary air capabilities to improve the training of F–22 aircrews.

Sense of Congress regarding organic attack aviator training capability

The House bill contained a provision (sec. 1081) that would provide a sense of Congress regarding organic attack aviator training capability in the Army National Guard.

The Senate amendment contained no similar provision.

The House recedes.

The conferees support an organic attack aviator training capability in the Army National Guard.

Sense of Congress on the Legacy, Contributions, and Sacrifices of American Indian and Alaska Natives in the Armed Forces

The House bill contained a provision (sec. 1082) that would express the sense of Congress on the legacy, contributions, and sacrifices of American Indian and Alaska Natives in the Armed Forces, and commits to ensuring progress for these groups with regard to representation in senior leadership positions, improved access to resources, and support for families and tribal communities.

The Senate amendment contained no similar provision.

The House recedes.

Amateur radio parity

The House bill contained a provision (sec. 1083) that would amend section 97.15 of title 47, Code of Federal Regulations, to prohibit the application of any private land use restriction to amateur radio stations in a manner that would preclude communications in an amateur radio service.

The Senate amendment contained no similar provision.

The House recedes.

Program to Commemorate 75th Anniversary of World War II

The House bill contained a provision (sec. 1085) that would require the Secretary of Defense to conduct a program to commemorate the 75th anniversary of World War II; such program would be authorized to include the provision of support to other Federal Government agencies, and to State and local governments. The Secretary would be authorized to spend not more than $2.0 million for fiscal year 2019 for the activities of the Department of Defense World War II Commemoration Fund.

The Senate amendment contained no similar provision.

The House recedes.

The conferees encourage the Secretary of Defense to take steps wherever possible to thank and honor veterans of World War II and educate the public about the history of World War II, to include recognizing the sacrifices and contributions of the American people and allies of the United States.

Compliance with requirements relating to reciprocity of security clearance and access determinations

The House bill contained a provision (sec. 1086) that would direct the Secretary of Defense to comply with section 3001(d) of the Intelligence Reform and Terrorism Prevention Act of 2004 (Public Law 108–458; 50 U.S.C. 3341(d)).

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the binding nature of the Intelligence Reform and Terrorism Prevention Act of 2004 (Public Law 108–458) as existing statute on the Secretary of Defense.

Use of GI benefits for agriculture-related education programs

The House bill contained a provision (sec. 1088) that would require the Secretary of Defense, in consultation with the Secretary of Labor and the Secretary of Veterans Affairs, to provide guidance and resources for individuals interested in using educational benefits under chapters 30, 31, 32, 33, 34, or 35 of title 38, United States Code, or chapter 1606 or 1607 of title 10, United States Code, for agriculture-related education programs.

The Senate amendment contained no similar provision.

The House recedes.

Privacy protections for electronic communications information that is stored by third-party service providers

The House bill contained a provision (sec. 1090) that would amend sections 2702, 2703, and 2705 of title 18, United States Code, to make a series of changes to voluntary and involuntary disclosure requirements for third-party service providers.

The Senate amendment contained no similar provision.

The House recedes.

Lessons learned and best practices on progress of gender integration implementation in the Armed Forces

The House bill contained a provision (sec. 1091) that would require the Secretary of Defense to direct each component of the Armed Forces to share lessons learned and best practices on the progress of their gender integration implementation plans and to communicate strategically that progress with other components of the Armed Forces as well as the general public, as recommended by the Defense Advisory Committee on Women in the Services.

The Senate amendment contains no similar provision.

The House recedes.

Report on readiness of National Guard to respond to natural disasters

The House bill contained a provision (sec. 1092) that would require the Secretary of Defense to submit to the congressional defense committees a report analyzing the readiness of the National Guard and Reserve to respond to natural disasters.

The Senate amendment contained no similar provision.

The House recedes.

Promoting Federal procurement with historically Black colleges and universities and minority institutions

The House bill contained a provision (sec. 1094) that would require the head of an executive agency, or contracting officer, to assist historically black colleges and universities and minority institutions to develop viable, self-sustaining businesses capable of competing on an equal basis in the mainstream of the United States economy; and promote Federal procurement with historically black colleges and universities and minority institutions.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress honoring the Dover Air Force Base, Delaware, home to the 436th Airlift Wing, the 512th Airlift Wing, and the Charles C. Carson Center for Mortuary Affairs

The House bill contained a provision (sec. 1097) that would express the sense of Congress on Dover Air Force Base.

The Senate amendment contained no similar provision.

The House recedes.

Report on capacity of Department of Defense to provide survivors of natural disasters with emergency short-term housing

The House bill contained a provision (sec. 1098) that would have required the Secretary of Defense to submit a report analyzing the capacity of the Department of Defense to provide survivors of natural disasters with emergency short-term housing.

The Senate amendment contained no similar provision

The House recedes.

The conferees note that, when requested, the Department of Defense provides support to natural disaster response and relief efforts in the United States with personnel, equipment, and infrastructure. Such tasks often fall to units of the National Guard and Reserves. Despite supporting these relief efforts, the conferees note that disaster response is not identified as a priority when allocating resources in support of a military unit's readiness. Therefore, the conferees direct the Secretary of Defense to provide a briefing to the Armed Services Committees of the Senate and House of Representatives not later than March 1, 2019, that assesses the readiness of the Department of Defense to provide support to natural disaster response and relief efforts. Specifically, the briefing should address the personnel, equipment, supplies, training, and command and control that have been identified as necessary to support a response to a natural disaster, how these requirements are identified, validated, and programmed for, any gaps that have been identified in terms of personnel, equipment, supplies, and training, and actions being taken to mitigate these gaps. In addition, the briefing should address the capacity and capability of military installations to provide staging for disaster relief operations and temporary housing for those who are victims of natural disasters.

Study on recruitment of students with experience in certain technical fields

The House bill contained a provision (sec. 1099) that would require the Secretary of Defense to conduct a study to determine how the Department of Defense can attract and recruit from institutions of higher education, including minority serving institutions, students with educational backgrounds in science, technology, engineering, and mathematics, including the fields of artificial intelligence, machine learning, and cybersecurity.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress regarding explosive ordnance disposal

The House bill contained a provision (sec. 1099B) that would provide a Sense of Congress on the importance of intelligence personnel in Explosive Ordnance Disposal (EOD) units.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the importance of supplying EOD units with the most advanced capabilities and specialized personnel necessary to accomplish their mission. The threat from unexploded ordnance and improvised explosive devices remains persistent, and EOD units must be appropriately equipped to provide an effective response.

Authorization of appropriations for research on women's contributions to security

The House bill contained a provision (sec. 1099C) that would, of the amounts authorized to be appropriated or otherwise made available for the Department of Defense for fiscal year 2019, $150,000 shall be made available for research on women's contributions to security at the National Defense University Institute for National Strategic Studies.

The Senate amendment contained no similar provision.

The House recedes.

National strategy for countering violent extremism

The House bill contained a provision (sec. 1099D) that would modify section 1094(a)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to emphasize women's leadership in preventing and countering violent extremism.

The Senate amendment contained no similar provision.

The House recedes.

The conferees expect that implementation of the strategy required under section 1094 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) will seek to support women's leadership and full participation in preventing and countering violent extremism, reduce gender barriers to peace and security, and address gender-specific drivers of radicalization and terrorist recruitment strategies.

Inclusion of certain names on the Vietnam Veterans Memorial

The House bill contained a provision (sec. 1099E) that would require the Secretary of Defense to provide for the inclusion on the Vietnam Veterans Memorial in the District of Columbia the names of the seventy-four crew members of the USS Frank E. Evans killed on June 3, 1969.

The Senate amendment contained no similar provision.

The House recedes.

Certifications required prior to transfer of certain veterans memorial object

The House bill contained a provision (sec. 2844) that would amend section 2864 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to require a report prior to the return of certain veterans memorial objects.

The Senate amendment contained no similar provision.

The House recedes.

Exclusion of certain payments from calculation for fiscal year 2019 PILT payments

The House bill contained a provision (sec. 3402) that would exclude certain payments from calculation for fiscal year 2019 PILT payments.

The Senate amendment contained no similar provision.

The House recedes.

Briefing on procurement plan for Acquired Position Navigation and Timing (APNT) solution

The Senate amendment contained a provision (sec. 5101) that would require a briefing from the Secretary of the Army regarding the immediate procurement of position, navigation, and timing systems.

The House bill contained no similar provision.

The Senate recedes.

Sense of Congress on KC–46A aerial refueling tanker emergent requirements

The Senate amendment contained a provision (sec. 5102) that would express the sense of Congress on the KC–46A aircraft.

The House bill contained no similar provision.

The Senate recedes.

The conferees agree that (1) The KC–46A will serve as the backbone of the Air Force's critical aerial refueling mission for the next several decades, replacing the aging 1950's-era KC–135 Stratotanker fleet; (2) The Air Force has provided funding for numerous military construction projects at installations across the country to prepare for the delivery and bed down of the KC–46A aircraft; (3) As the KC–46A program matures and requirements become better defined, additional military construction and facilities, sustainment, restoration and modernization (FRSM) funding is likely to be necessary to properly support the fielding of the aircraft, house additional personnel, and meet unforeseen requirements of the tanker mission; and (4) The Secretary of the Air Force should continue to review and validate new emergent requirements and prepare to provide additional military construction and FRSM funding in its budget request for fiscal year 2020 and future years as needed.

Report on Air Force training range requirements to address fifth generation threats

The Senate amendment contained a provision (sec. 5305) that would require the Secretary of the Air Force to submit to the congressional defense committees a report on the needs of the Air Force to ensure pilots can train against the full range of fifth generation threats at training ranges.

The House bill contained no similar provision.

The Senate recedes.

The conferees agree on the importance of our training range infrastructure to support training for potential conflict against

near-peer adversaries. The conferees note that the report accompanying House Resolution 5515 (Report 115–676) directs the Comptroller General of the United States to report on the Department of Defense's training range requirements, strategy, and investment plan. The conferees direct the Comptroller General to provide the required briefing and report to the Senate Committee on Armed Services as well as the House Committee on Armed Services.

Developing innovation and growing the Internet of Things

The Senate amendment contained a provision (sec. 5802) that would: require the Secretary of Commerce to convene a working group of Federal stakeholders for the purpose of providing recommendations and a report to Congress relating to aspects of the Internet of Things; establish within the Department of Commerce a steering committee to advise the working group; and require the Federal Communications Commission to issue a notice of inquiry seeking public comment on the current and future spectrum needs of the Internet of Things.

The House bill contained no similar provision.

The Senate recedes.

Comptroller General of the United States review of effect of other-than-honorable discharges on veteran employment outcomes

The Senate amendment contained a provision (sec. 6007) that would require the Comptroller General of the United States, in consultation with the Secretaries of Defense, Veterans Affairs, and Labor, to complete a review of the effect of discharges and releases from active military, naval, or air service under conditions other-than-honorable on employment outcomes for veterans.

The House bill contained no similar provision.

The Senate recedes.

TITLE XI—CIVILIAN PERSONNEL MATTERS

Direct hire authority for the Department of Defense for certain competitive service positions (sec. 1101)

The House bill contained a provision (sec. 1101) that would amend chapter 99 of title 5, United States Code, by adding a new section that would provide the Secretary of Defense authority to expedite hiring of civilian personnel into positions involving maintenance, depot maintenance, cybersecurity, acquisition, and science, technology, and engineering. This authority would expire on September 30, 2025.

The Senate amendment contained no similar provision.

The Senate recedes.

Modification of direct hire authority for the Department of Defense for post-secondary students and recent graduates (sec. 1102)

The House bill contained a provision (sec. 1102) that would amend chapter 99 of title 5, United States Code, by adding a new section that would authorize the Secretary of Defense to recruit and hire recent graduates into competitive positions in the Department of Defense through September 30, 2025. This section would also repeal the more limited authority provided by section 1106 of

the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would amend section 1106 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) by increasing the limiting percentage under that section to 25 percent, and by extending the sunset contained in that section to September 30, 2025.

The conferees note that this authority is intended to expedite the hiring process and make the Department of Defense a competitive employer. In that light, the conferees expect the Department to ensure field activities are given sufficient flexibility under the cap to expedite job offers to qualified applicants.

Extension of overtime rate authority for Department of the Navy employees performing work aboard or dockside in support of the nuclear-powered aircraft carrier forward deployed in Japan (sec. 1103)

The House bill contained a provision (sec. 1103) that would amend section 5542 of title 5, United States Code, to extend until September 30, 2021, the authority of the Secretary of the Navy to pay overtime rates to civilian employees performing temporary duty in Japan in support of the forward deployed nuclear aircraft carrier.

The Senate amendment contained no similar provision.

The Senate recedes.

One-year extension and expansion of authority to waive annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas (sec. 1104)

The House bill contained an provision (sec. 1104) that would amend section 1101 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417) to extend the authority to waive the annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas until September 30, 2019.

The Senate amendment contained a similar provision (sec. 1125) that would amend section 1101 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417), as most recently amended by section 1137 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), to extend through 2019 the authority of heads of executive agencies to waive limitation on the aggregate of basic and premium pay of employees who perform work in an overseas location that is in the area of responsibility of the commander of U.S. Central Command (CENTCOM), or a location that was formerly in CENTCOM, but has been moved to an area of responsibility for the Commander, U.S. Africa Command, in support of a military operation or an operation in response to a declared emergency.

The Senate recedes with a clarifying amendment.

Extension of authority to conduct telework travel expenses test programs (sec. 1105)

The House bill contained a provision (sec. 1106) that would amend section 5711 of title 5, United States Code, to extend the authority of the Administrator of the General Services Administration to conduct a test telework program until December 31, 2020.

The Senate amendment contained no similar provision.

The Senate recedes.

Personnel demonstration projects (sec. 1106)

The House bill contained a provision (sec. 1107) that would amend section 4703 of title 5, United States Code, to deem that demonstration projects conducted under this authority lasting more than 10 years shall not count against the limit of 10 such projects ongoing at any time.

The Senate amendment contained no similar provision.

The Senate recedes.

Expanded flexibility in selecting candidates from referral lists (sec. 1107)

The House bill contained a provision (sec. 1108) that would amend subchapter I of chapter 33 of title 5, United States Code, to provide Federal agencies flexibility in setting the minimum number of candidates who must be considered on a referral list for each vacancy by amending sections 3317, 3318, and 3319 of such title.

The Senate amendment contained no similar provision.

The Senate recedes.

Expedited hiring authority for college graduates and post secondary students (sec. 1108)

The House bill contained a provision (sec. 1110) that would amend subchapter I of chapter 31 of title 5, United States Code, to provide expedited hiring authority for college graduates.

The Senate amendment contained a similar provision (sec. 1122) that would modify the recruitment and hiring process to provide additional flexibility in hiring college graduates and students. This authority would allow Federal agencies to determine recruitment sources and processes for the solicitation of applications in order to compete for top talent. The Director of the Office of Personnel Management would have the authority to cap the number of hires made under this authority.

The House recedes.

Inapplicability of certification of executive qualifications by qualification review boards of Office of Personnel Management for initial appointments to Senior Executive Service positions in Department of Defense (sec. 1109)

The Senate amendment contained a provision (sec. 1101) that would temporarily exempt the Department of Defense from the requirement that Office of Personnel Management qualification review boards certify candidates for senior executive service positions within the Department. The provision would sunset 2–years after enactment.

The House bill contained no similar provision.

The House recedes.

Engagement with Historically Black Colleges and Universities and minority-serving institutions for the purposes of technical workforce enhancement (sec. 1110)

The Senate amendment contained a provision (sec. 1102) that would create a direct-hire authority at Science and Technology Reinvention Laboratories and Major Range and Test Facilities Base facilities for graduates of minority-serving institutions with degrees in science, technology, engineering, and mathematics.

The House bill contained no similar provision.

The House recedes with an amendment that would remove the specific hiring authority and direct the Secretary of Defense to develop and submit a report detailing activities to increase engagement with covered educational institutions.

The conferees note that other existing hiring authorities are applicable to graduates of minority-serving institutions with degrees in science, technology, engineering, and mathematics.

Inclusion of Strategic Capabilities Office and Defense Innovation Unit Experimental of the Department of Defense in personnel management authority to attract experts in science and engineering (sec. 1111)

The Senate amendment contained a provision (sec. 1103) that would extend the existing direct hiring authority codified in section 1599h of title 10, United States Code, to the Strategic Capabilities Office and the Defense Innovation Unit Experimental.

The House bill contained no similar provision.

The House recedes.

Enhancement of flexible management authorities for science and technology reinvention laboratories of the Department of Defense (sec. 1112)

The Senate amendment contained a provision (sec. 1104) that would extend and enhance existing direct hiring authorities at the Science and Technology Reinvention Laboratories within the Department of Defense.

The House bill contained no similar provision.

The House recedes.

Inclusion of Office of Secretary of Defense among components of the Department of Defense covered by direct hire authority for financial management experts (sec. 1113)

The Senate amendment contained a provision (sec. 1105) that would extend the direct hire authority created in section 1110 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) for financial management experts to include the Office of the Secretary of Defense.

The House bill contained no similar provision.

The House recedes.

Alcohol testing of civil service mariners of the Military Sealift Command assigned to vessels (sec. 1114)

The Senate amendment contained a provision (sec. 1121) that would amend chapter 643 of title 10, United States Code, to authorize the Secretary of the Navy to prescribe regulations establishing a program to conduct on-duty reasonable suspicion alcohol testing and post-accident alcohol testing of civil service mariners of the Military Sealift Command assigned to vessels. In addition, this provision would amend section 7479 of such title to permit release of alcohol testing results to the Coast Guard.

The House bill contained no similar provision.

The House recedes.

One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone (sec. 1115)

The Senate amendment contained a provision (sec. 1124) that would extend by one year the discretionary authority of the head of a federal agency to provide allowances, benefits, and gratuities comparable to those provided to members of the Foreign Service to an agency's civilian employees on official duty in a combat zone.

The House bill contained no similar provision.

The House recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

Appointment of retired members of the Armed Forces to positions in or under the Department of Defense

The House bill contained a provision (sec. 1105) that would provide the Secretary of Defense temporary authority to appoint retired members of the Armed Forces to Federal civilian positions within the Department of Defense immediately upon retirement for certain categories of positions. This section would provide this authority to the Secretary for 5 years.

The Senate amendment contained no similar provision.

The House recedes.

Temporary and term appointments in the competitive service

The House bill contained a provision (sec. 1109) that would amend subchapter I of chapter 31 of title 5, United States Code, by adding a new section that would authorize the heads of Federal agencies to hire civilian personnel through temporary and term appointments. This section would also permit an agency head to make noncompetitive hires for up to 18 months to meet a critical need.

The Senate amendment contained no similar provision.

The House recedes.

Presidential allowance modernization

The House bill contained a provision (sec. 1111) that would amend various sections of the Former Presidents Act of 1958 (Public Law 85–745) to modify various annuities, allowances, and other benefits provided to former presidents of the United States.

The Senate amendment contained no similar provision.

The House recedes.

Reporting requirement

The House bill contained a provision (sec. 1112) that would amend section 7131 of title 5, United States Code, by requiring the Office of Personnel Management to submit to Congress an annual report on the amount and purpose of official time granted to employees in each federal agency.

The Senate amendment contained no similar provision.

The House recedes.

Increase in maximum amount of voluntary separation incentive pay authorized for civilian employees

The Senate amendment contained a provision (sec. 1123) that would amend sections 3523 and 9902 of title 5, United States Code, to increase the maximum amount of separation pay authorized for Voluntary Separation Incentive Pay (VSIP) from the current ceiling of $25,000 to $40,000, and includes an annual adjustment in accordance with the Consumer Price Index. The maximum payable amount has not been adjusted since VSIP was first authorized by the Chief Human Capital Officers Act of 2002 (title XIII of Public Law 107–296).

The House bill contained no similar provision.

The Senate recedes.

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

Subtitle A—Assistance and Training

Modification of authority to build the capacity of foreign security forces (sec. 1201)

The House bill contained a provision (sec. 1210B) that would make modifications to sections 331, 332, and 333 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make modifications to section 333 of title 10, United States Code.

Clarification of authority for use of advisors and trainers for training of personnel of foreign ministries with security missions under defense institution capacity building authorities (sec. 1202)

The Senate amendment contained a provision (sec. 1201) that would modify section 332 of title 10, United States Code, regarding the provision of assistance to build the institutional capacity of foreign partners.

The House bill contained no similar provision.

The House recedes.

Increase in cost limitation and additional notification required for small scale construction related to security cooperation (sec. 1203)

The House bill contained a provision (sec. 1206) that would increase the limitation on small-scale construction related to security cooperation from $750,000 to $2.0 million.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would increase the limitation on small-scale construction related to security cooperation to $1.5 million and would require that the provision of small-scale construction above $750,000 under specified authorities include a notification containing the location, project title, cost, Department of Defense Form 1391, and a masterplan of planned infrastructure investments at the location.

Technical corrections relating to defense security cooperation statutory reorganization (sec. 1204)

The House bill contained a provision (sec. 1275) that would make technical corrections relating to defense security cooperation statutory reorganization.

The Senate amendment contained a provision (sec. 1206) that would make technical corrections to title 10, United States Code, and other legislation referencing sections that were redesignated under section 1241 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114–328).

The Senate recedes.

Review and report on processes and procedures used to carry out section 362 of title 10, United States Code (sec. 1205)

The House bill contained a provision (sec. 1208) that would require the Secretary of Defense, with the concurrence of the Secretary of State, to conduct a review of the processes and procedures used to carry out section 362 of title 10, United States Code, and submit a report to the appropriate congressional committees on such review. This section would also make conforming amendments to section 362 and to section 1206 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291).

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make modifications to the review required by this section and make conforming changes to section 1206 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291).

Report on the use of security cooperation authorities (sec. 1206)

The House bill contained a provision (sec. 1201) that would express the sense of Congress that the Secretary of Defense should use appropriate security cooperation authorities to counter the malign influence campaigns that are directed at allies and partners and that pose a significant threat to the United States. This section would also require the Secretary of Defense to include a report on funding for this purpose with the consolidated budget materials for

security cooperation required by section 381 of title 10, United States Code, in fiscal year 2020 through fiscal year 2025.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would express the sense of the Congress that the Secretary of Defense should utilize appropriate security cooperation authorities to counter malign influence campaigns by strategic competitors and other state actors that are directed at allied and partner countries and that pose a significant threat to the national security of the United States. The amendment would also require the Secretary of Defense to include with the consolidated budget materials submitted to Congress as required by section 381 of title 10, United States Code, for fiscal years 2020 and 2021 a report on the use of security cooperation funding to counter the malign influence by strategic competitors and other state actors directed at allied and partner countries and that pose a significant threat to the national security of the United States.

Participation in and support of the Inter-American Defense College (sec. 1207)

The House bill contained a provision (sec. 1205) that would permit the Secretary of Defense to authorize members of the Armed Forces and civilian personnel of the Department of Defense (DOD) to participate in the operation of and the provision of support to the Inter-American Defense College (IADC) and provide logistic support, supplies, and services to the College as the Secretary considers necessary. The provision would also require the Secretary, in concurrence with the Secretary of State, to enter into a memorandum of understanding with the Inter-American Defense Board regarding the operation and provision of host nation support to the IADC. Additionally, the provision would permit the use of funds appropriated for operation and maintenance to pay the costs for DOD personnel in the operation and provision of host nation support to the IADC. It would also include a waiver for reimbursement for developing countries for the costs of funding and other host nation support to the IADC if the Secretary determines that it is in the national security interests of the United States.

The Senate amendment contained no similar provision.

The Senate recedes.

Naval Small Craft Instruction and Technical Training School (sec. 1208)

The Senate amendment contained a provision (sec. 1207) that would authorize the Secretary of Defense to operate and maintain the Naval Small Craft Instruction and Technical Training School.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

Expansion of Regional Defense Combating Terrorism Fellowship Program to include irregular warfare (sec. 1209)

The Senate amendment contained a provision (sec. 1203) that would amend section 354 of title 10, United States Code and expand the Regional Defense Combating Terrorism Fellowship Program to include irregular warfare.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

Modification to Department of Defense State Partnership Program (sec. 1210)

The Senate amendment contained a provision (sec. 1202) that would make a technical modification to section 341(b)(2) of title 10, United States Code to clarify the conditions under which vetting pursuant to section 362, title 10, United States Code, is required for the conduct of Department of Defense State Partnership Program activities.

The House bill contained no similar provision.

The House recedes.

Assessment, monitoring, and evaluation of security cooperation (sec. 1211)

The House bill contained a provision (sec. 346) that would designate $12.0 million of funds available for the Defense Security Cooperation Agency toward assessment, monitoring, and evaluation (AM&E) of security cooperation activities in accordance with section 383 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that states that of the amounts for Operations and Maintenance, Defense-wide made available to the Defense Security Cooperation Agency for fiscal year 2019, it is the goal that not less than $12.0 million, but in no event less than $6.0 million, shall be allocated for the AM&E of security cooperation activities in accordance with section 383 of title 10, United States Code. The conferees believe that the amount specifically identified in the fiscal year 2019 budget request for AM&E of security cooperation programs is wholly insufficient to meet congressional intent. The significant growth of security cooperation capacity building programs and associated funding in recent years has far outpaced the Department's emphasis on and resourcing of AM&E of those programs. The conferees reiterate their expectation that the Department's AM&E program should be rigorous and comprehensive, and provide for the continuous review of security cooperation programs from inception to completion that measure outcomes against defined objectives. Additionally, an effective AM&E program will provide important lessons learned that will be critical to improving the effectiveness and efficiency of subsequent security cooperation efforts. The conferees expect the Department to allocate sufficient resourcing to accomplish these objectives in fiscal year 2019 and in future budget requests.

Further, the amendment would limit the availability of funds for activities under section 333 of title 10, United States Code, until the Secretary of Defense submits a written plan including a description of the activities planned for fiscal year 2019 for the evaluation of security cooperation programs across the security cooperation enterprise, including through chapter 16 of title 10, United States Code, the Afghanistan Security Forces Fund, the Counter-ISIL Fund, the cooperative threat reduction program, and other security cooperation authorities as appropriate; and a description of the activities planned for fiscal year 2019 for the train-

ing, support, and organization of the Department to effectively carry out responsibilities under section 383 of title 10, United States Code.

Legal and policy review of advise, assist, and accompany missions (sec. 1212)

The Senate amendment contained a provision (sec. 1205) that would require the Under Secretary of Defense for Policy and the General Counsel of the Department of Defense, in coordination with the appropriate combatant commands, not later than 120 days after the date of enactment of this Act, to submit to the congressional defense committees a report on a review of the legal and policy frameworks associated with advise, assist, and accompany missions by United States military personnel.

The House bill contained no similar provision.

The House recedes with an amendment that would require not later than 120 days after the date of enactment of this Act the Under Secretary of Defense for Policy, in coordination with the General Counsel of the Department of Defense and the commanders of the appropriate combatant commands, to conduct a review of the legal and policy frameworks associated with advise, assist, and accompany missions by United States military personnel and submit to the Secretary of Defense a report on the results of such review. The amendment would also require that not later than 30 days after the date on which the Secretary receives the required report, the Secretary shall submit to the congressional defense committees the report together with any comments by the Secretary that amplify or clarify the report.

Extension and modification of authority to support border security operations of certain foreign countries (sec. 1213)

The Senate amendment contained a provision (sec. 1204) that would amend section 1226 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92), as amended, by authorizing the Secretary of Defense to provide support on a reimbursable basis to the Government of Oman and Government of Pakistan for the purposes of supporting and enhancing efforts of the armed forces of Oman and Pakistan to increase and sustain security along the borders of Yemen and Afghanistan, respectively. The provision would also require quarterly reports on the use of this authority and would require the Secretary of Defense to submit a report 15 days prior to the provision of support under this authority to any country that has not previously received with information and a certification regarding the use of the authority. Finally, the provision would extend this authority through December 31, 2021.

The House bill contained no similar provision.

The House recedes.

Framework for obtaining concurrence for participation in activities of regional centers for security studies (sec. 1214)

The House bill contained a provision (sec. 1202) that would amend section 342 of title 10, United States Code, to clarify that travel, transportation, and subsistence expenses are included

among the costs of activities of the Regional Centers eligible for waiver of reimbursement.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require not later than 120 days after the date of enactment of this Act the Secretary of Defense, with the concurrence of the Secretary of State, to establish and submit to appropriate congressional committees a Memorandum of Agreement or similar arrangement setting forth a framework for the procedures required between the Department of Defense and the Department of State to obtain the concurrence of the Secretary of State, as required by law or policy, to allow non-defense and non-governmental personnel of friendly foreign countries to participate in activities of the Department of Defense Regional Centers for Security Studies. The conferees expect the framework to include elements that streamline procedures for concurrence, delegate approval to the lowest practicable level, require measures to issue concurrence decisions within 14 days unless there are extenuating circumstances, and provide for procedures for rapid consideration of alternate attendees.

Subtitle B—Matters Relating to Afghanistan and Pakistan

Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan (sec. 1221)

The House bill contained a provision (sec. 1211) that would extend for two years the authority to transfer defense articles being drawn down in the Islamic Republic of Afghanistan and the authority to provide defense services regarding such transfers to the military and security forces of Afghanistan.

The Senate amendment contained a similar provision (sec. 1213) that would extend the authority to transfer defense articles for one year.

The Senate recedes.

Extension and modification of reporting requirements for special immigrant visas for Afghan allies program (sec. 1222)

The Senate amendment contained a provision (sec. 1214) that would renew a reporting requirement under the Afghan Allies Protection Act of 2009 to assess the health of the Special Afghan Immigrant Visa (SIV) application process and identify any delays in orderly visa processing.

The House bill contained no similar provision.

The House recedes.

The conferees are concerned by reports that the SIV application process continues to suffer from inadequate interagency coordination which has resulted in undue delay, needless stress on applicants, and a sizable drop in SIV admissions this year.

The conferees note the critical work performed by Afghan partners in support of United States and coalition efforts and the importance of sustaining the SIV program. In all operations the military depends on robust and trustworthy relationships with local partners. If the United States wishes to achieve success in current and future operations overseas, it must protect those who help en-

able that success. Local partners in other potential conflict zones are watching how the United States treats its networks in Afghanistan; the policies and practices used there will influence confidence and loyalties elsewhere when supporters are needed. As the United States continues to protect its interests around the world, it will need the assistance of willing partners. Ensuring the SIV program is effectively managed and resourced is one way to communicate America's steadfast commitment to our partners.

Afghanistan Security Forces Fund (sec. 1223)

The Senate amendment contained a provision (sec. 1211) that would extend the authority to continue certain established provisions applicable to the Afghanistan Security Forces Fund (ASFF), including the use of funds, transfer authority, and acceptance of contributions to provide assistance to the security forces of the Ministry of Defense and Ministry of Interior of Afghanistan, including the provision of equipment, supplies, services, training, and funds to develop the capacity of Afghanistan's security ministries.

The House bill contained a similar provision (sec. 1521).

The House recedes with an amendment that requires the Secretary of Defense to provide an assessment of the Government of Afghanistan's ability to manage, employ, and sustain equipment divested under the ASFF.

The conferees note the emphasis in this provision placed on the resources allocated to integrate women into the security forces of Afghanistan. The conferees, however, do not encourage the Department of Defense to allocate funding for women and girls programming simply for the sake of meeting a goal. The conferees are aware that previous funding has not always been applied in the most effective and judicious manner and encourage the Department to ensure going forward that any funds spent on such efforts are valid and verifiable.

Additionally, the conferees are disappointed by recent public decisions regarding a lack of transparency on basic information such as kinetic strike data, ANDSF development, retention, and casualty rates, and progress on achieving the central tenants of the bilateral U.S.-Afghanistan Compact. The restriction of information in this manner undermines public confidence, hinders necessary congressional oversight, and raises legitimate questions about the efficacy of current U.S. efforts in Afghanistan.

Extension and modification of Commanders' Emergency Response Program (sec. 1224)

The House bill contained a provision (sec. 1213) that would extend the Commanders' Emergency Response Program through 2020 and would modify the countries in which ex gratia payments are authorized to include Somalia, Yemen, and Libya.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would extend the Commanders' Emergency Response Program through 2019 and would modify the countries in which ex gratia payments are authorized to include Somalia, Yemen, and Libya.

Extension and modification of authority for reimbursement of certain coalition nations for support provided to United States military operations (sec. 1225)

The House bill contained a provision (sec. 1212) that would extend through December 31, 2019, the authority to make Coalition Support Fund (CSF) payments under section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110–181).

The Senate amendment contained a similar provision (sec. 1212) that would extend the authority to make CSF payments and authorize up to $350.0 million. It would also prohibit Pakistan from receiving CSF reimbursements except under the authority of a separate border security provision (sec. 1204).

The House recedes.

The conferees recognize that stability in the South Asia region cannot be achieved without cooperation with the Government of Pakistan. The conferees also recognize that there are a number of areas in which U.S. and Pakistani national security interests converge. Pakistan has long been an important security partner and that has not changed. It is important, however, to seek new opportunities for coordination and cooperation that is transparent and mutually beneficial.

Subtitle C—Matters Relating to Syria, Iraq, and Iran

Extension and modification of authority to provide assistance to the vetted Syrian opposition (sec. 1231)

The House bill contained a provision (sec. 1222) that would extend the authority under section 1209 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113—291), as amended, through December 31, 2019. The provision would also limit the reprogramming of any funds until thirty days after the President submits to the congressional defense committees a plan describing the objectives, activities, and nature of the partner forces trained and equipped under this authority.

The Senate amendment contained a similar provision (sec. 1222) that would extend the authority through 2019. It would also limit the use of any funds authorized to be appropriated for fiscal 2019 under this authority until the President submits to the appropriate congressional committees the report on the United States strategy in Syria as required by section 1221 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) and a report describing the plans, processes, mechanisms, and accompanying governance and stabilization activities for training the internal security forces of the vetted Syrian opposition under this authority. Finally, the Senate provision would limit the obligation or expenditure of any funds under this authority until the Secretary of Defense submits to the congressional defense committees a written certification every 120 days after the enactment of this Act on progress toward defeating the Islamic State of Iraq and Syria (ISIS) and efforts to promote stabilization, equitable governance, and adherence to United States standards for human rights and the rule of law with respect to support under this authority.

The House recedes with an amendment that would retain the reprogramming requirement and replace the certification requirement with a requirement for a quarterly report to be submitted by the Secretary of Defense, in coordination with the Secretary of State, to the appropriate congressional committees on progress in the campaign against ISIS and in stabilization, equitable governance, and other matters in Syria.

The conferees recognize the significant progress made by coalition forces against ISIS, but remain deeply concerned by the lack of clarity and conflicting messages from administration officials on the United States' strategy in Syria. The conferees urge the administration to provide the information necessary for the Congress to adequately evaluate the requirements for this authority and how it contributes to the accomplishment of U.S. objectives in Syria.

Syrian war crimes accountability (sec. 1232)

The Senate amendment contained a provision (sec. 6203) that would require the Secretary of State to submit a report on war crimes, crimes against humanity, and genocide in Syria to the appropriate congressional committees not later than 90 days after the date of the enactment of this Act. It would also require another report not later than 180 days after the Secretary of State determines that the violence in Syria has ceased. The provision would direct the Secretary of State to conduct a study and submit a report on transitional justice in Syria and authorize technical assistance for the purposes of ensuring accountability for war crimes, crimes against humanity, and genocide perpetrated by all forces fighting on the behalf of the regime of President Bashar al-Assad and all non-state armed groups fighting in Syria from March 2011 forward. Additionally, the provision would direct the Secretary of State, through the United States Permanent Representative to the United Nations, to extend the mandate of the Independent International Commission of Inquiry on the Syrian Arab Republic until its work is complete.

The House contained no similar provision.

The House recedes with an amendment that would make several technical and clarifying changes.

Extension of authority to provide assistance to counter the Islamic State of Iraq and Syria (sec. 1233)

The House bill contained a provision (sec. 1221) that would extend the authority under section 1236 of the National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291), as most recently amended by section 1222 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), by authorizing the Secretary of Defense, in coordination with the Secretary of State, to provide $850.0 million in assistance to the military and other security forces of, or associated with, the Government of the Republic of Iraq, through December 31, 2020. Additionally, the House bill would express the sense of Congress on the contributions of the Peshmerga forces of the Kurdistan Region of Iraq in the campaign to defeat the Islamic State of Iraq and Syria (ISIS). It would also require the Secretary of Defense, in coordination with the Secretary of State, to submit to the appropriate congressional

committees and leadership of the House of Representatives and the Senate a quarterly progress report on the end-use of United States provided equipment and the extent to which any organizations associated with the Iranian Revolutionary Guard Corps have been incorporated into the Iraqi military.

The Senate amendment contained a provision (sec. 1221) that would extend the authority through the end of 2020 while limiting the obligation or expenditure of more than $450.0 million of funds authorized for fiscal year 2019 until the report on the United States strategy in Iraq required by the Joint Explanatory Statement accompanying Conference Report 115–404 and a report on the planned use of funds and the purpose, size, roles, and missions of United States forces in Iraq is submitted to the appropriate congressional committees.

The House recedes with an amendment that would retain the sense of Congress on the contributions of the Peshmerga and the quarterly progress report, along with several clarifications.

Limitation on assistance to the Government of Iraq (sec. 1234)

The House bill contained a provision (sec. 1230D) that would limit the obligation or expenditure of funds authorized to be appropriated for this Act for assistance to the Ministry of the Interior of the Government of Iraq until the Secretary of Defense and the Secretary of State jointly certify to the appropriate congressional committees that such funds will not be disbursed by the United States to any group that is or is known to be affiliated with the Iranian Revolutionary Guard Corps-Quds Force or other state sponsor of terrorism.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the reference to the Ministry of the Interior and expand the prohibition to the Government of Iraq as a whole, along with several technical and clarifying changes.

Extension and modification of authority to support operations and activities of the Office of Security Cooperation in Iraq (sec. 1235)

The House bill contained a provision (sec. 1223) that would amend section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81), as amended, by extending the authority for the Office of Security Cooperation in Iraq (OSC–I) for one year through fiscal year 2019.

The Senate amendment contained a provision (sec. 1223) that would extend the authority for OSC–I through fiscal year 2019. The provision would limit the obligation or expenditure of more than 25 percent of funds authorized for OSC–I for fiscal year 2019 until the United States strategy on Iraq required by the Joint Explanatory Statement accompanying Conference Report 115–404 and an additional report on the activities, missions, and plan for the normalization of OSC–I to conform to other offices of security cooperation are delivered to the appropriate congressional committees.

The House recedes with a clarifying amendment.

The conferees note that an earlier transition plan submitted by the Secretary of Defense pursuant to the Joint Explanatory Statement accompanying the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) and subsequent documentation related to OSC–I in the President's Budget Request for Fiscal Year 2019 failed to provide the level of detail required for Congress to adequately consider this authority under the auspices of the Department of Defense.

Modification to annual report on the military power of Iran (sec. 1236)

The House bill contained a provision (sec. 1228) that would require the President to submit a report to the appropriate congressional committees not later than 120 days after the date of enactment of this Act, and annually thereafter for five years, on cooperation between Iran and the Russian Federation and the extent to which such cooperation affects United States interests, particularly with respect to Syria. The House bill contained an additional provision (sec. 1230E) that would require the Secretary of State, in consultation with the Director of National Intelligence, to submit to Congress not later than 90 days after the date of the enactment of this Act a report describing Iranian expenditures in the previous calendar year on military and terrorist activities outside the country.

The Senate amendment contained a similar provision (sec. 1225) that would amend section 1245 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84), as amended, to require an assessment of military cooperation and collaboration on the development of nuclear, biological, chemical, and advanced conventional weapons, weapons systems, and delivery vehicles between Iran and the Russian Federation and additional information on the Government of Iran's support to the Houthis.

The House recedes.

The conferees note that the Department of Defense's congressionally mandated annual report on the military power of Iran requires extensive reporting requirements on Iranian military activity. Therefore, the conferees encourage the Secretary of Defense to include detailed information in future reports on Russian and Iranian cooperation, particularly with respect to cooperation in Syria, assistance to the Assad regime, the establishment of forward operating bases, the deployment of air defense systems, and assistance to the Syrian chemical weapons program. The conferees also encourage the Secretary to include descriptions of any Russian and Iranian cooperation on: Iran's space program, including whether such cooperation strengthens Iran's ballistic missile program; intelligence sharing; naval cooperation; nuclear cooperation; the development and employment of hybrid warfare methods; and the activities of Iranian proxy forces such as Hezbollah.

Strategy to counter destabilizing activities of Iran (sec. 1237)

The House bill contained a provision (sec. 1225) that would authorize the Secretary of Defense, with the concurrence of the Secretary of State, to develop and implement a strategy with foreign partners to counter the destabilizing activities of Iran. Further-

more, it would require the Secretary of Defense, in consultation with the Secretary of State, to submit a report to the appropriate congressional committees describing the strategy and actions to enhance multilateral coordination.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make a number of technical and clarifying changes.

The conferees note the importance of multilateral cooperation in the Middle East and encourage the Secretary of Defense to enhance cooperation and military-to-military engagement within multilateral fora when appropriate and practicable.

Subtitle D—Matters Relating to the Russian Federation

Prohibition on availability of funds relating to sovereignty of the Russian Federation over Crimea (sec. 1241)

The House amendment contained a provision (sec. 1231) that would extend by 1 year the prohibition imposed by section 1245 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92),as amended by section 1232 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91). This section would prohibit the use of fiscal year 2019 funds to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea. This section would also allow the Secretary of Defense, in concurrence with the Secretary of State, to waive the prohibition if the Secretary determines that doing so would be in the national security interest of the United States and submits a notification to the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives.

The Senate amendment contained a similar provision (sec. 1232) that would prohibit funds authorized to be appropriated or made available by this Act for fiscal year 2019 for the Department of Defense to implement any activity that recognizes the sovereignty of the Russian Federation over Crimea.

The Senate recedes with an amendment that would require the Secretary of Defense, with the concurrence with Secretary of State, to provide a justification for seeking any waiver to the prohibition.

Limitation on availability of funds relating to implementation of the Open Skies Treaty (sec. 1242)

The House bill contained a provision (sec. 1232) that would prohibit obligation or expenditure of certain funds for fiscal year 2019 to modify any U.S. aircraft for the purposes of implementing the Open Skies Treaty until the President certifies that the United States has imposed legal countermeasures on the Russian Federation for its violation of that treaty. The provision would also prohibit the obligation or expenditure of any funds for fiscal year 2019 to vote to approve any implementing decision of the Open Skies Consultative Commission (OSCC) (pursuant to Article X of the treaty) that certifies infra-red or synthetic aperture radar sensors for any state party until a series of reports and certifications are met regarding U.S. Open Skies Treaty policy and Russian aggres-

sion, malign influence, and treaty violations. The provision would allow the President to waive these requirements, without delegation, if he determines that the waiver is in the interest of the national security of the United States and that the Russian Federation has taken clear and verifiable action to return to full and complete compliance with the treaty. Finally, the provision would also require a report from the Secretary of Defense on the state of the OC–135B fleet, including a recommendation on a prospective retirement date.

The Senate amendment contained a provision (sec. 1648) that would prohibit the obligation or expenditure of any funds for fiscal year 2019 for research, development, test, and engineering, Air Force, or aircraft procurement, Air Force, for the digital visual imaging system to modify U.S. aircraft for the purpose of implementing the Open Skies Treaty until the President and the Secretary of Defense submit the two certifications described in section 1235(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

The Senate recedes with amendments that would modify the reporting requirements before a vote to approve certification of sensors in the OSCC; remove certification requirements related to Russian aggression and malign influence that are unrelated to treaty violations; modify the waiver requirements such that the President would have to certify that the Russian Federation has taken clear and verifiable action to return to compliance with the treaty; allow the President to delegate the waiver authority to the Secretary of State, in consultation with the Secretary of Defense and Director of National Intelligence; require these officials to submit a report to the appropriate congressional committees containing their views at least 30 days before exercising the waiver; and strike the reporting requirement related to the OC–135B fleet.

The conferees direct the Secretary of Defense, in consultation with the Secretary of the Air Force, to submit a report to the congressional defense committees no later than January 31, 2019, on the Department of the Air Force's RC–135, WC–135, TC–135, and OC–135 aircraft fleets. The report should address issues for each aircraft fleet regarding airworthiness, safety of flight, aircraft availability and mission capability rates, sustainment, maintenance, and reliability. The report should also include a detailed description of the Secretary's acquisition strategy for recapitalizing each platform's capabilities, as well as the forecasted service-life expectancy dates for each variant of C–135 aircraft. In determining service-life expectancy dates, the Secretary should consider separately the structural integrity of the basic aircraft and the relevance and maintainability of the onboard mission systems to meet existing and evolving intelligence, surveillance, and reconnaissance requirements.

Determination required regarding material breach of INF Treaty by the Russian Federation (sec. 1243)

The House bill contained a provision (sec. 1239) that would provide that, unless the President certifies to the specified congressional committees that the Russian Federation has returned to full and verifiable compliance with the Intermediate-Range Nuclear

Forces (INF) Treaty within 1 year of the date of the enactment of this Act, the prohibitions set forth in Article VI of the treaty would no longer be binding upon the United States as a matter of U.S. law.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would instead require the President to submit to the appropriate congressional committees no later than January 15, 2019, a determination whether the Russian Federation is in material breach of its obligations under the INF Treaty, and if the prohibitions set forth in Article VI of the INF Treaty remain binding on the United States as a matter of U.S. law.

Comprehensive response to the Russian Federation's material breach of the INF Treaty (sec. 1244)

The House bill contained a provision (sec. 1233) that would make a series of findings regarding the Russian Federation's violation of the Intermediate-Range Nuclear Forces (INF) Treaty and make a statement of policy that such violations constitute material breach of the treaty and therefore the United States is legally entitled to suspend the operation of the treaty for so long as Russia remains in material breach. The provision would also prohibit the obligation or expenditure of 25 percent of funds authorized to be appropriated or otherwise made available to the Department of Defense for fiscal year 2019 to provide support services (other than those required for senior leader communications) to the Executive Office of the President until the President certifies that each requirement of section 1290 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) has been implemented and the President has submitted the report required by section 1244(c) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would remove the findings; change the statement of policy to a sense of the Congress; make a technical amendment; and remove the limitation on funding.

Report on implementation of the New START Treaty (sec. 1245)

The House bill contained a provision (sec. 1240) that would prohibit the expenditure of funds for the Department of Defense to extend the implementation of the New Strategic Arms Reduction Treaty (New START) until the President certifies that the President has raised the issue of certain new Russian nuclear weapons systems under Article V of New START and that the Russian Federation has responded in writing to the United States as to whether it will agree to declare such nuclear weapons systems pursuant to the treaty. Under the provision, the President would be required to notify the specified congressional committees on whether the Russian position threatens the viability of New START or requires a political, economic, or military response on the part of the United States.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the limitation on funds and modify the requirement to a report on whether the President has raised the issue of the covered Russian systems with the Russian Federation under Article V of New START or otherwise, and whether the government of the Russian Federation has responded as to whether it will agree to declare the covered Russian systems pursuant to the treaty. The provision would also require the President to notify the appropriate congressional committees as to whether the Russian response threatens the viability of New START; and to submit to the congressional defense committees a report assessing the extent to which the Department of Defense and National Nuclear Security Administration have met the commitments regarding nuclear modernization and infrastructure recapitalization made in the resolution of ratification to accompany New START.

Modification and extension of Ukraine Security Assistance Initiative (sec. 1246)

The House bill contained a provision (sec. 1234) that would extend by 2 years, section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92), most recently amended by section 1234 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), to authorize the Secretary of Defense to provide security assistance and intelligence support to the Government of Ukraine. The provision would authorize $250.0 million to carry out this authority in fiscal year 2019, of which $50.0 million would be available only for lethal assistance.

The Senate amendment contained a similar provision (sec. 1233) that would extend through December 31, 2021 the authority under section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) as amended by section 1234 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) for the Secretary of Defense, in coordination with the Secretary of State, to provide security assistance, including defensive lethal assistance, and intelligence support to military and other security forces of the Government of Ukraine. The provision would authorize the use of up to $200.0 million in fiscal year 2019 to provide security assistance to Ukraine.

The Senate recedes with an amendment that would broaden the authority to provide training required to maintain and employ systems and capabilities provided through the Ukraine Security Assistance Initiative. The amendment would also make certain adjustments to the certification by the Secretary of Defense related to actions of the Government of Ukraine to make substantial defense institutional reforms, including the protection of proprietary or sensitive technologies as such technologies relate to foreign military sales or transfers.

Extension of limitation on military cooperation between the United States and the Russian Federation (sec. 1247)

The House bill contained a provision (sec. 1237) that would limit the use of fiscal year 2019 funds for bilateral military-to-military cooperation between the Government of the United States and

the Russian Federation until the Secretary of Defense, in coordination with the Secretary of State, provides a certification to appropriate congressional committees relating to certain actions by Russia. The provision would also allow the Secretary of Defense to waive the limitation under certain conditions.

The Senate amendment contained a similar provision (sec. 1231) that would also clarify that the limitation shall not be construed to limit bilateral military-to-military dialogue between the United States and the Russian Federation for the purposes of reducing the risk of conflict.

The House recedes.

Sense of Congress on enhancing deterrence against Russian aggression in Europe (sec. 1248)

The Senate amendment contained a provision (sec. 1235) that would express the sense of the Senate concerning the need for an integrated approach to strengthening the defense of allies and partners in Europe as a part of a broader strategy backed by all elements of United States power to deter and, if necessary, defeat aggression by the Russian Federation.

The House bill contained no similar provision.

The House recedes with an amendment that would state that in order to protect the security of the United States and fulfill the ironclad commitment of the United States to its obligations under the North Atlantic Treaty, it is the policy of the United States to pursue, in full coordination with the North Atlantic Treaty Organization (NATO), an integrated approach to strengthening the defense of allies and partners in Europe as part of a broader, long-term strategy backed by all elements of United States national power to deter and, if necessary, defeat Russian aggression. The amendment would also make a number of revisions related to specific actions the Secretary of Defense should take or consider in furtherance of such policy.

The conferees believe in that in order to strengthen the defense of allies and partners in Europe and deter Russian aggression, the Secretary of Defense, in coordination with the Secretary of State and in consultation with the Commander, United States European Command, should consider specific steps to improve United States combat capability and capacity in Europe, increase United States forward presence in Europe, maintain robust security assistance for allies and partners in Europe, promote reforms within NATO, and enhance multilateral security cooperation among United States allies and partners, including between NATO and the European Union.

Subtitle E—Matters Relating to the Indo-Pacific Region

Name of United States Indo-Pacific Command (sec. 1251)

The House bill contained a provision (sec. 1257) that would change the name of "United States Pacific Command" to "United States Indo-Pacific Command" beginning on January 1, 2020.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would change the name of "United States Pacific Command" to "United States Indo-Pacific Command" effective immediately.

The conferees note that changing the name of "United States Pacific Command" to "United States Indo-Pacific Command" may involve some necessary administrative expenditures. The conferees urge the Department of Defense to be prudent and minimize such costs to the extent practicable.

Redesignation, expansion, and extension of Southeast Asia Maritime Security Initiative (sec. 1252)

The House bill contained a provision (sec. 1254) that would modify the Southeast Asia Maritime Security Initiative by amending the name to the Indo-Pacific Maritime Security Initiative. The provision would include India as a covered country, and allow for the inclusion of additional countries in the Indo-Pacific region if the Secretary of Defense, in concurrence with the Secretary of State, determines and certifies to the appropriate committees of Congress that it is important for increasing maritime security and maritime domain awareness. The provision would also extend the authority by 3 years from September 30, 2020, to September 30, 2023.

The Senate amendment contained a similar provision (sec. 1241) that would amend section 1263 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) to: redesignate the Southeast Asia Maritime Security Initiative as the Indo-Pacific Maritime Security Initiative; add Bangladesh and Sri Lanka as recipient countries of assistance and training; add India as a covered country eligible for payment of certain incremental expenses; and extend the authority under the section through December 31, 2025.

The House recedes.

Redesignation and modification of sense of Congress and initiative for the Indo-Asia-Pacific region (sec. 1253)

The House bill contained a provision (sec. 1251) that would require the Secretary of Defense, in consultation with the Secretary of State, to submit a requirement and resource plan to the appropriate congressional committees by March 1, 2019. The plan would require an analysis of the challenges faced by the United States to meet the objectives and activities outlined in the Indo-Pacific Stability Initiative to include resource requirements and additional authorities needed through fiscal year 2024 to address such challenges. The provision would also require the Secretary to submit budget materials in support of the President's budget request for fiscal year 2020.

The Senate amendment contained a similar provision (sec. 1244) that would amend section 1251 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) by redesignating the "Indo-Asia-Pacific Stability Initiative" as the "Indo-Pacific Stability Initiative" and making modifications to emphasize the initiative's alignment with the National Defense Strategy and its focus on minimizing the risk of executing the contingency plans of the Department of Defense. The provision would also require the Secretary of Defense, in consultation with the Commander, United

States Pacific Command, to submit a future years plan on activities and resources of the initiative no later than March 1, 2019.

The House recedes with an amendment that would clarify that not later than March 1, 2019, the Secretary of Defense, in consultation with the Secretary of State, shall submit to the appropriate congressional committees a multi-year plan on activities and resources for the Indo-Pacific Stability Initiative. The conferees agreed that the Secretary of Defense shall include the plan and resources required in the budget materials in support of the President's budget for fiscal year 2020.

Assessment of and report on geopolitical conditions in the Indo-Pacific region (sec. 1254)

The Senate amendment contained a provision (sec. 1246) that would require, not later than 90 days after the date of the enactment of this Act, the Secretary of Defense to select and enter into an agreement with an entity independent of the Department of Defense to conduct an assessment of the geopolitical conditions in the Indo-Pacific region that are necessary for the successful implementation of the National Defense Strategy.

The House bill contained no similar provision.

The House recedes with an amendment that would require the assessment to address the geopolitical conditions in the Indo-Pacific region, including any change in economic and political relations, that are necessary to support United States military requirements for forward defense, extensive forward basing, and alliance and partnership formation and strengthening.

Sense of Congress on extended nuclear deterrence in the Indo-Pacific region (sec. 1255)

The House bill contained a provision (sec. 1650) that would express the sense of Congress concerning the nuclear weapons program of the Democratic People's Republic of Korea and U.S. extended deterrence commitments to allies and partners in the Indo-Pacific region.

The Senate amendment contained no similar provision.

The Senate recedes.

Reinstatement of reporting requirements with respect to United States-Hong Kong relations (sec. 1256)

The House bill contained a provision (sec. 1265) that would reinstate certain reporting requirements with respect to United States-Hong Kong relations.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify that the required report shall be submitted to the Committee on Foreign Relations and Committee on Armed Services of the Senate, and the Committee on Foreign Affairs and the Committee on Armed Services of the House of Representatives.

Strengthening Taiwan's force readiness (sec. 1257)

The House bill contained a provision (sec. 1253) that would direct the Secretary of Defense to conduct a comprehensive assessment, in consultation with appropriate counterparts of Taiwan, on

ways to enhance and reform Taiwan's military forces, particularly Taiwan's reserve forces. The provision would also require that the assessment include recommendations to strengthen bilateral cooperation and improve Taiwan's self-defense capabilities. The provision would require the Secretary of Defense, in consultation with the Secretary of State, to submit a report on the assessment and a list of recommendations and planned actions to the appropriate congressional committees not later than 1 year after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes.

Sense of Congress on Taiwan (sec. 1258)

The Senate amendment contained a provision (sec. 1243) that would express the sense of the Senate on the importance of a strong U.S. defense relationship with Taiwan.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the provision expresses the sense of the Congress. The amendment would also clarify that the Secretary of Defense should promote Department of Defense policies concerning exchanges that enhance the security of Taiwan, including opportunities for practical training and military exercises with Taiwan.

Prohibition on participation of the People's Republic of China in Rim of the Pacific (RIMPAC) naval exercises (sec. 1259)

The Senate amendment contained a provision (sec. 1245) that would prohibit the Secretary of Defense from enabling or facilitating the participation of the People's Republic of China in any Rim of the Pacific (RIMPAC) naval exercise unless the Secretary certifies to the congressional defense committees that China has ceased all land reclamation activities in the South China Sea, removed all weapons from its land reclamation sites, and established a consistent 4–year track record of taking actions toward stabilizing the region.

The House bill contained no similar provision.

The House recedes with an amendment that would add a national security waiver to the certification requirements and a detailed justification for such waiver.

Modification of annual report on military and security developments involving the People's Republic of China (sec. 1260)

The House bill contained a provision (sec. 1298) that would amend paragraph (22) of section 1202(b) of the National Defense Authorization Act for Fiscal Year 2000 (Public Law 106–65; 10 U.S.C. 113 note), to include activities in the South China Sea, the East China Sea, including in the vicinity of the Senkaku islands, and the Indian Ocean region.

The Senate amendment contained a provision (sec. 1242) that would amend section 1202(b) of the National Defense Authorization Act for Fiscal Year 2000 (Public Law 106–65), and modify the annual report on military and security developments involving the People's Republic of China.

The House recedes with an amendment that would require the annual report to include an element regarding efforts by the People's Republic of China related to espionage and technology transfer. The amendment would also require an element regarding efforts by the Government of the People's Republic of China to use nonmilitary tools in other countries, including diplomacy and political coercion, information operations, and economic pressure, including predatory lending practices, to support its security and military objectives. The amendment would also strike an element.

United States strategy on China (sec. 1261)

The House bill contained a provision (sec. 1252) that would require the President to issue a strategy on the United States' whole-of-government approach to safeguard U.S. interests against Chinese industrial acquisitions, political influence, and regional and global military capabilities and presence that have defense and security implications for the United States and its allies and partners. The provision would require the strategy and recommendations for implementation to be submitted to the appropriate congressional committees as a written report not later than March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would strike certain elements of the required strategy.

Report on military and coercive activities of the People's Republic of China in South China Sea (sec. 1262)

The House bill contained a provision (sec. 1261) that would require Secretary of Defense, in consultation with the Director of National Intelligence and the Secretary of State, to submit a report to appropriate congressional committees on a quarterly basis describing China's activities in the Indo-Pacific region, and to disseminate the report to regional allies and partners and provide public notification, as appropriate. The provision would require that the dissemination and availability of the report and public notification be made in a manner consistent with national security and the protection of classified national security information.

The Senate amendment contained a similar provision (sec. 1251) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit to the congressional defense committees and release to the public, a report on the military and coercive activities of China in the South China Sea in connection with such activity immediately after the commencement of any significant reclamation or militarization activity by the People's Republic of China in the South China Sea, including any significant military deployment or operation or infrastructure construction.

The House recedes with an amendment that would clarify that the required report shall be submitted to the congressional defense committees immediately after the commencement of any significant reclamation, assertion of an excessive territorial claim, or military activity by the People's Republic of China in the South China Sea.

The conferees are concerned that sufficient information has not been made publicly available in a timely fashion regarding China's reclamation and militarization activities in the South China Sea.

Moreover, the conferees recognize that China has engaged in provocative military activities elsewhere throughout the Indo-Pacific Region, including the East China Sea, the Taiwan Strait, and the Indian Ocean. The conferees urge the Secretary of Defense to give full consideration to the strategic and public interest in selective declassification of China's activities in the South China Sea and elsewhere in the Indo-Pacific region.

Requirement for critical languages and expertise in Chinese, Korean, Russian, Farsi, and Arabic (sec. 1263)

The House bill contained a provision (sec. 1258) that would require the Secretary of Defense to submit to the congressional defense committees, not later than 180 days after the date of the enactment of this Act, a plan to address shortfalls in Chinese, Korean, and Russian language and expertise across the Department of Defense. The provision would require the Secretary of Defense to provide a near-term and long-term plan for how the Department is building competency in these critical areas.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Department of Defense to address Arabic and Farsi language and expertise in the required plan.

Limitation on use of funds to reduce the total number of members of the Armed Forces serving on active duty who are deployed to the Republic of Korea (sec. 1264)

The House amendment contained a provision (sec. 1263) that would limit the use of funds authorized to be appropriated by this Act to reduce the number of members of the Armed Forces serving on Active Duty in the Republic of Korea below 22,000 unless the Secretary of Defense provides a specified certification.

The Senate amendment contained a similar provision (sec. 1249) that would express the sense of the Senate regarding the alliance between the United States and the Republic of Korea, the importance of United States military forces on the Korean Peninsula for safeguarding peace and stability in the Indo-Pacific region, and other matters.

The Senate recedes with an amendment that would limit the use of funds authorized to be appropriated by this Act to reduce the number of members of the Armed Forces serving on Active Duty in the Republic of Korea below 22,000 unless the Secretary of Defense first provides certifies that (1) such a reduction is in the national security interest of the United States and will not significantly undermine the security of United States allies in the region; and (2) the Secretary has appropriately consulted with allies of the United States, including the Republic of Korea and Japan, regarding such a reduction.

The conferees recognize that United States military forces deployed on the Korean Peninsula remain vital to deterring, and if necessary, defeating aggression by the Democratic People's Republic of Korea, which continues to threaten the national security interests of the United States and the peace and stability of the Indo-Pacific region through both its conventional forces and weapons of mass destruction. While the conferees support diplomatic efforts to

achieve the complete, verifiable, and irreversible denuclearization of the Democratic People's Republic of Korea, the conferees believe the significant removal of United States military forces from the Korean Peninsula is a non-negotiable item in such negotiations.

Reports on nuclear capabilities of the Democratic People's Republic of Korea (sec. 1265)

The Senate amendment contained the provision (sec. 1255) that would require, not later than 60 days after the enactment of this Act, the Secretary of Defense, in coordination with the Director of National Intelligence, to submit to the appropriate committees a report on the status of the nuclear program of the Democratic People's Republic of Korea (DPRK) to establish a baseline of progress for negotiations with respect to denuclearization. The provision would require, in the case of an agreement between the United States and the Democratic People's Republic of Korea, the Secretary of Defense to submit written updates and verification assessments to the required report.

The House bill contained no similar provision.

The House recedes with an amendment would require that the Secretary of Defense also coordinate with the Secretary of State and Secretary of Energy on the required reports. The amendment would clarify that the updates to the baseline report and the verification assessment shall only be required in the event of an interim or final agreement between the United States and the DPRK with respect to the denuclearization of the DPRK that includes a commitment by the DPRK to (1) reduce the nuclear arsenal of the DPRK or (2) to otherwise discontinue, reduce, or suspend the nuclear program of the DPRK. The amendment would also add a reporting requirement related to other weapons of mass destruction, including chemical and biological weapons, of the DPRK.

Modification of report required under enhancing defense and security cooperation with India (sec. 1266)

The House bill contained a provision (sec. 1259) that would amend subsection (a)(2) of section 1292 of the National Defense Authorization Act for Fiscal Year 2017 (114–328) by adding an additional reporting requirement. The new reporting requirement would include a description of the progress on enabling agreements between the United States and the Republic of India, any limitations that hinder or slow progress, measures to improve interoperability, and actions India is taking, or the Secretary of Defense or the Secretary of State believe India should take, to advance the relationship with the United States. The House bill also contained a provision (sec. 1264) that would amend section 1292 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) by including a reporting requirement to develop closer defense cooperation with India on matters relating to missile defense.

The Senate amendment contained a provision (sec. 1247) that would express the sense of the Senate that the United States should strengthen and enhance its major defense partnership with India and work toward mutual security objectives.

The Senate recedes with amendment that would amend section 1259 of the House bill to require the Secretary of Defense and Sec-

retary of State to include a forward-looking strategy and specific benchmarks for measurable progress toward enhancing United States defense cooperation with India and India's status as a major defense partner. The provision would also strike section 1264 of the House bill and section 1247 of the Senate amendment.

The conferees believe that the United States should strengthen and enhance its major defense partnership with India and such a partnership should enable strategic, operational, and tactical coordination between our militaries and be jointly developed between the countries. The conferees also believe that the United States should work toward mutual security objectives by: (1) expanding engagement in multilateral frameworks, including the Quadrilateral Dialogue between the United States, India, Japan, and Australia, to promote regional security and defend shared values and common interests in the rules-based order; (2) exploring additional steps to implement the "major defense partner" designation to better facilitate military interoperability, information sharing, and appropriate technology transfers; (3) pursuing strategic initiatives to help develop India's defense capabilities, including maritime security capabilities; (4) improving cooperation on and coordination of humanitarian and disaster relief responses; (5) conducting additional joint exercises with India in the Persian Gulf, the Indian Ocean region, and the Western Pacific; and (6) furthering cooperative efforts to promote security and stability in Afghanistan.

Subtitle F—Reports and Other Matters

Modification of authorities related to acquisition and cross-servicing agreements (sec. 1271)

The House bill contained a provision (sec. 1281) that would require the Secretary of Defense to submit to the congressional defense committees a report 30 days after entering into a cross-servicing agreement under section 2342 of title 10, United States Code, with a country or organization described in subsection (a)(1) of such section, and every 180 days thereafter for such period of time as the agreement remains in effect. The reports would include a detailed description of rationale, terms, and execution of such agreements.

The Senate amendment contained a similar provision (sec. 1261) that would prohibit the Secretary of Defense from facilitating the transfer of logistic support, supplies, and services to any country or organization with which the Secretary has not signed an acquisition or cross-servicing agreement. Additionally, the provision would require the Secretary to submit a detailed report on acquisition and cross-servicing agreements to the congressional defense committees not later than January 15 of each year.

The House recedes.

United States-Israel countering unmanned aerial systems cooperation (sec. 1272)

The House bill contained a provision (sec. 1276) that would modify section 1279 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) to authorize establishment of a cooperative research and development program with the State

of Israel to develop capabilities for countering unmanned aerial systems through modification of the existing memorandum of agreement between the United States and Israel for anti-tunneling defense capabilities or through a new memorandum of agreement.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would provide that none of the funds authorized to be appropriated or otherwise made available by this Act to carry out the authority granted may be obligated or expended until the date that is 15 days after the date on which the Secretary of Defense submits a report describing the cooperation of the United States with Israel with respect to countering unmanned aerial systems pursuant to the authority granted that includes the following: (1) an identification of specific capability gaps of the United States and Israel with respect to countering unmanned aerial systems; (2) an identification of cooperative projects that would address those capability gaps and mutually benefit and strengthen the security of the United States and Israel; (3) an assessment of the projected cost for research and development efforts for such cooperative projects, including an identification of those to be conducted in the United States, and the timeline for the completion of each such project; (4) the extent to which the capability gaps of the United States identified are not likely to be addressed through the cooperative projects identified; and (5) an assessment of the projected costs for procurement and fielding of any capabilities developed jointly pursuant to the authority granted. The amendment would require that the report be submitted to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives.

Enhancement of U.S.-Israel defense cooperation (sec. 1273)

The Senate amendment contained a provision (sec. 1265) that would amend section 12001(d) of the Department of Defense Appropriations Act, 2005 (Public Law 108–287) to extend the authority for the War Reserves Stockpile Ammunition-Israel through September 30, 2023. The provision would also authorize the President, acting through the Secretary of State and the Secretary of Defense, to conduct a joint assessment of the quantity of precision guided munitions necessary for Israel to counter regional threats. The provision would also amend the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314) to require the Secretary of Defense to prescribe procedures for the rapid acquisition and deployment of supplies and associated support services urgently needed to support production of precision guided munitions.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify the matters to be described in the joint assessment concerning precision guided munitions, including requiring a description of the current United States inventory of the precision guided munitions assessed and whether such inventory meets the United States total munitions requirement. The amendment would also strike the modified requirement for the establishment and prescription of procedures related to rapid acquisition of precision guided munitions.

Review to determine whether the Armed Forces or coalition partners of the United States violated Federal law or Department of Defense policy while conducting operations in Yemen (sec. 1274)

The House bill contained a provision (sec. 1299K) that would direct the Secretary of Defense to conduct an investigation to determine if coalition partners of the United States or members of the Armed Forces or intelligence personnel violated Federal law, the laws of armed conflict, or Department of Defense policy while conducting operations in Yemen.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require a review of the United States Armed Forces and coalition partners conducting operations in Yemen along with a report on the Department of Defense's policies related to the detention operations of allies and partners whose military operations the United States supports.

Report on United States Government security cooperation and assistance programs with Mexico (sec. 1275)

The House bill contained a provision (sec. 1273) that would require the President to submit to the appropriate congressional committees not later than July 1, 2019, a report on United States police training and equipping programs with the Government of Mexico.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the report to focus on the broader United States security cooperation and security assistance enterprise in Mexico, including programs related to the Mexican Armed Forces, and would require the Secretary of Defense and Secretary of State to deliver the report, among other technical, clarifying changes.

Report on Department of Defense missions, operations, and activities in Niger (sec. 1276)

The House bill contained a provision (sec. 1299F) that would require, not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation as appropriate with the Secretary of State, to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report on the missions, operations, and activities of the Department in Niger and the broader region.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require, not later than 180 days after the date of enactment of this Act, the Secretary of Defense, in consultation as appropriate with the Secretary of State, to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report on the missions, operations, and activities of the Department in Niger.

Report on the security relationship between the United States and the Republic of Cyprus (sec. 1277)

The Senate amendment contained a provision (sec. 6206) that would require a report on the current impact of the United States arms embargo on the Republic of Cyprus.

The House bill contained no similar provision.

The House recedes with an amendment that would broaden the required report to address the security relationship between the United States and the Republic of Cyprus.

Sense of Congress detention of United States citizens by the Government of the Republic of Turkey (sec. 1278)

The Senate amendment contained a provision (sec. 1269) that would make a series of findings, including concerning the Government of the Republic of Turkey's unlawful and wrongful detention of Andrew Brunson, a United States citizen. The provision would also prohibit the transfer of title for any F–35 aircraft to the Government of the Republic of Turkey until such time as the Secretary of Defense submits to the appropriate congressional committees a plan to remove the Government of the Republic of Turkey from participation in the F–35 program, to include industrial and military aspects of the program.

The Senate amendment also contained a related provision (sec. 6204) that would clarify that the limitation on the transfer of F–35 aircraft to Turkey in section 1269 of the Senate amendment shall apply to the transfer or delivery of that aircraft to Turkey rather than to the transfer of title for that aircraft to Turkey.

The House bill contained no similar provision.

The House recedes with an amendment that would strike section 6204 of the Senate amendment, strike elements of the section 1269 of the Senate amendment related to the F–35 program, and express the sense of the Congress that (1) the Government of the Republic of Turkey continues to unlawfully and wrongfully detain United States citizens, including Andrew Brunson and Serkan Golge, as well as staff of United States missions in Turkey; and (2) consistent with its obligations under the North Atlantic Treaty, which commits NATO allies to safeguard "the principles of democracy, individual liberty and the rule of law," the Government of the Republic of Turkey should immediately release all United States citizens that have been wrongfully detained and resolve such cases in a timely, fair, and transparent manner.

The conferees note that an assessment of a significant change in Turkish participation in the F–35 program, including a reduction or elimination of such participation, as well as a limitation on the delivery of F–35 aircraft to the Republic of Turkey, are addressed elsewhere in this report.

Technical amendments related to NATO Support and Procurement Organization and related NATO agreements (sec. 1279)

The House bill contained a provision (sec. 1278) that would amend section 2350d of title 10, United States Code, to update the statutory reference to reflect a reorganization of the North Atlantic Treaty Organization (NATO) with respect to the elimination of the NATO Support Organization and the establishment of the NATO

Support and Procurement Organization. The provision would also amend section 2350d to reflect that NATO supply and logistics support activities may extend to NATO operations outside of Europe.

The Senate amendment contained a similar provision (sec. 1236).

The House recedes.

Report on permanent stationing of United States forces in the Republic of Poland (sec. 1280)

The Senate amendment contained a provision (sec. 1254) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit to the congressional defense committees a report on the feasibility and advisability of permanently stationing United States forces in the Republic of Poland. Specifically, the provision would require an assessment of the types of permanently stationed United States forces in Poland required to deter aggression by the Russian Federation and execute Department of Defense contingency plans, including combat enabler units. The provision would also require a detailed assessment of the feasibility and advisability of permanently stationing a United States Army brigade combat team in Poland.

The House bill contained no similar provision.

The House recedes.

Report on strengthening NATO cyber defense (sec. 1281)

The Senate amendment contained a provision (sec. 6603) that would express the sense of the Senate regarding Department of Defense cyber cooperation with the North Atlantic Treaty Organization (NATO) and would require the Secretary of Defense to submit to the congressional defense committees a report detailing the Department's efforts to enhance the United States' leadership in and collaboration with NATO in the development of a comprehensive, cross-domain strategy to build cyber-defense capacity and deter cyber attacks among member countries.

The House bill contained no similar provision.

The House recedes with an amendment that would strike the sense of the Senate.

The conferees believe that the Department of Defense should continue to cooperate with NATO and key NATO allies in order to promote the common defense in the cyberspace domain as well as to deter cyberattacks.

Report on status of the United States relationship with the Republic of Turkey (sec. 1282)

The House bill contained a provision (sec. 1271) that would require the Secretary of Defense, in consultation with the Secretary of State, to submit a report on the U.S.-Turkish relationship to the congressional defense committees, the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives, not later than 60 days after the date of the enactment of this Act. The provision would also prohibit any action to execute delivery of a foreign military sale for major defense equipment under section 36 of the Arms Export Control Act

(22 U.S.C. 2761) to the Republic of Turkey until the required report is delivered to the specified congressional committees.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the report on the U.S.-Turkish relationship to be delivered not later than 90 days after the enactment of this Act. The amendment would add to the matters to be included in the required report an assessment of the operational and counterintelligence risks posed by the deployment of the S–400 air and missile defense system in the Republic of Turkey to the F–35 Lightning II Joint Strike aircraft and the steps required to mitigate those risks, if possible. The amendment would also add an assessment of the Republic of Turkey's participation in the F–35 program, including a description of industrial participation of Turkish industry in the manufacturing and assembly of the F–35 program; an assessment of tooling and other manufacturing materials held by Turkish industry; and an assessment of the impacts of a significant change in participation by the Republic of Turkey in the F–35 program and the steps that would be required to mitigate negative impacts of such a change on the United States and other international program partners. The amendment would prohibit the Department of Defense from delivering any F–35 aircraft to the Republic of Turkey until such time as the required report has been submitted.

The conferees recognize Turkey is an important international partner in the F–35 program, and that any significant change in Turkish participation could have substantial impacts on the program. However, Turkey's expressed intention to purchase the S–400 air and missile defense system from Russia raises serious concerns regarding Turkey's participation in the F–35 program. Moreover, such a purchase would have significant ramifications for the broader U.S.-Turkey relationship and defense cooperation, including the possibility of sanctions. Therefore, the conferees believe the Department of Defense should be prepared for all potential outcomes that would result if Turkey completes a purchase of the S–400 by conducting the assessment required of a significant change in Turkish participation in the F–35 program, including a reduction or elimination of such participation.

Sense of the Congress concerning military-to-military dialogues (sec. 1283)

The House bill contained a provision (sec. 1279) that would express the sense of Congress regarding the parameters that lead to successful military-to-military dialogues.

The Senate amendment contained no similar provision.

The Senate recedes.

Modifications to Global Engagement Center (sec. 1284)

The House bill contained a provision (sec. 1280) that would modify section 1287 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) relating to the Global Engagement Center (GEC).

The Senate amendment contained a provision (sec. 1262) that would extend for one year the transfer authority contained in section 1287(e)(1) of the National Defense Authorization Act for Fiscal

Year 2017 relating to the GEC, and clarify the role, responsibilities and authorities of the GEC.

The Senate recedes with a clarifying amendment.

The conferees strongly support the mission of the GEC to counter false and misleading messaging by both state and non-state adversaries and note the importance of integrating military and nonmilitary tools of statecraft to address these challenges. The conferees believe continuation of the transfer authority provided by this provision helps to facilitate such a whole-of-government approach.

The conferees note that the Department of Defense (DOD) and the Department of State (DOS) signed a memorandum of understanding on February 26, 2018, to facilitate the transfer of $40.0 million for the purposes of countering propaganda and disinformation from foreign nations, more than a year after such transfers were authorized by the National Defense Authorization Act for Fiscal Year 2017 and after the Intelligence Community publicly reported Russian efforts to influence the 2016 elections. The conferees have significant concern about delayed action on these issues in the face of a significant and growing threat from Russia. The conferees strongly encourage DOD and DOS to fully utilize the authorities that have been provided to more aggressively counter propaganda by Russia and other state and non-state actors, and urge the Department to be more expeditious in the transfer of funds to the GEC for future projects.

Sense of Congress on countering hybrid threats and malign influence (sec. 1285)

The House bill contained a provision (sec. 1297) that would express the sense of the Congress that the United States should work with its partners and allies to build resilience against Russian malign influence operations.

The Senate amendment contained a similar provision (sec. 1238) that would request the Secretaries of the Defense and State Departments to urgently complete a strategy to counter Russian malign influence.

The Senate recedes with an amendment that would call on the Secretary of Defense and the Secretary of State to urgently prioritize submission of the report required by section 1239A(d) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1671) on a comprehensive strategy to counter malign activities of Russia.

Initiative to support protection of national security academic researchers from undue influence and other security threats (sec. 1286)

The House bill contained a provision (sec. 1283) that would require the Secretary of Defense to implement an application certification requirement for researchers seeking funding to ensure that funds not be made available to any individual who has participated in or is currently participating in a foreign talent program.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would replace the certification requirement with a directive to the Secretary of De-

fense to establish an initiative to support the protection of national security academic researchers from undue influence, including through foreign talent programs, and other security threats, by developing policies, training, and regulations and procedures with academic organizations to support the goals of this initiative.

The conferees believe that such an initiative will help support the protection of intellectual property, controlled information, key personnel, and information about critical technologies relevant to national security; protect academic freedom and global scientific collaboration; limit undue influences by countries seeking to exploit United States technology within the Department of Defense research; and support efforts toward the development of domestic talent in relevant scientific and engineering fields.

Report on Honduras, Guatemala, and El Salvador (sec. 1287)

The House bill contained a provision (sec. 1299H) that would direct the Secretary of Defense, in coordination with the Director of National Intelligence, to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report regarding narcotics trafficking corruption and illicit campaign finance in Honduras, Guatemala, and El Salvador not later than 180 days after the enactment of this Act.

The Senate amendment contained an identical provision (sec. 6205).

The House recedes with an amendment that would direct the Secretary of State, in coordination with the Secretary of Defense and other appropriate officials, to submit the report, rather than the Secretary of Defense and the Director of National Intelligence.

Modification of freedom of navigation reporting requirements (sec. 1288)

The House bill contained a provision (sec. 1289) that would amend section 1275 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), as amended by section 1262(a)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), to add the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives as recipients of the annual report setting forth an update of the most current Department of Defense Freedom of Navigation Report under the Freedom of Navigation Operations (FONOPS) program.

The Senate amendment contained no similar provision.

The Senate recedes.

Coordination of efforts to negotiate free trade agreements with certain sub-Saharan African countries (sec. 1289)

The Senate amendment contained a provision (sec. 6201) that would require the Chief Executive Officer of the Millennium Challenge Corporation to consult and coordinate with the United States Trade Representative and the Administrator of the United States Agency for International Development for the purpose of developing and carrying out the plan required by section 116(b) of the African

Growth and Opportunity Act under section 3723(b) of title 19, United States Code.

The House bill contained no similar provision.

The House recedes with an amendment that would modify section 1293 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 19 U.S.C. 3723 note) to require the United States Trade Representative to consult and coordinate with the Millennium Challenge Corporation and the United States Agency for International Development in specified circumstances.

Certifications regarding actions by Saudi Arabia and the United Arab Emirates in Yemen (sec. 1290)

The Senate amendment included a provision (sec. 1266) that would prohibit the expenditure of funds to provide authorized in-flight refueling to Saudi or Saudi-led coalition non-United States aircraft conducting missions in Yemen, pending certifications by the Secretary of State that the Government of Saudi Arabia is taking certain actions related to the civil war in Yemen. The provision would include several exceptions and a national security waiver that may be exercised by the Secretary of State.

The House bill contained no such provision.

The House recedes with an amendment that would require the certification on actions undertaken by the United Arab Emirates in addition to Saudi Arabia.

Treatment of Rwandan Patriotic Front and Rwandan Patriotic Army under Immigration and Nationality Act (sec. 1291)

The Senate amendment contained a provision (sec. 6202) that would exclude the Rwandan Patriotic Front and the Rwandan Patriotic Army from the definition of terrorist organization under specified sections of the Immigration and Nationality Act (8 U.S.C. 1182(a)(3)(B)(vi)(III))) for any period before August 1, 1994.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

Limitation on availability of funds to implement the Arms Trade Treaty (sec. 1292)

The House bill contained a provision (sec. 1299M) that would prohibit the availability of funds for fiscal year 2019 for the Department of Defense to obligate or expend to fund a Secretariat or any other international organization established to support the implementation of the Arms Trade Treaty, to sustain domestic prosecutions based on any charge related to the Treaty, or to implement the Treaty until the Senate approves a resolution of ratification for the Treaty and implementing legislation for the Treaty has been enacted into law.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would prohibit the use of any funds authorized to be appropriated by this act or otherwise made available for fiscal year 2019 for the Department of Defense to implement the Arms Trade Treaty, or to make any change to existing programs, projects, or activities as approved by Congress in furtherance of, pursuant to, or otherwise to implement such Treaty, unless the Treaty has received the advice and consent

of the Senate and has been the subject of implementing legislation, as required by Congress.

Prohibition on provision of weapons and other forms of support to certain organizations (sec. 1293)

The House bill contained a provision (sec. 1282) that would prohibit the use of funds authorized to be appropriated by this Act to the Department of Defense for fiscal year 2019 to provide weapons to a number of specified terrorist organizations and any other entity that the Secretary of Defense determines may trade or sell arms to terrorist organizations.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Modified waiver authority for certain sanctionable transactions under section 231 of the Countering America's Adversaries Through Sanctions Act (sec. 1294)

The House bill contained a provision (sec. 1236) that would require reports with regard to Russian violations of the INF Treaty and the supply chains for Russian arms sales program. The provision would also require the imposition of sanctions against specific persons, with a focus on persons providing support to the Russian defense industrial supply chain. The provision would also amend section 231 of the Countering America's Adversaries Through Sanctions Act (CAATSA) (Public Law 115–44) by providing an authority to suspend the imposition of sanctions under that Act for 180-day periods if the President provides certain certifications.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would provide a modified procedure by which the President may use the existing authority under section 236(b) of CAATSA, without regard to the expedited review procedures in section 216 of CAATSA, to waive the application of sanctions if the President provides a certification to the appropriate congressional committees not less than 30 days in advance of the waiver taking effect. The amendment would preclude the President from using the waiver with respect to a significant transaction with specified entities of the Russian defense or intelligence sectors, including the Main Intelligence Agency of the General Staff of the Armed Forces of the Russian Federation (GRU), which the United States intelligence community assessed on January 6, 2017, played a direct role in Russian interference in the 2016 United States presidential election. The President would be required to certify that the waiver is in the national security interests of the United States. The President would also be required to certify that the significant transaction for which the waiver is being used would not: (1) endanger the integrity of any multilateral alliance of which the United States is a part; (2) adversely affect ongoing operations of the Armed Forces of the United States, including coalition operations in which the such forces participate; (3) result in a significant negative impact to defense cooperation between the United States and the country whose government has primary jurisdiction over the person; and (4) significantly increase the risk of compromising United States defense systems and operational capabilities, including through the diversion of United

States sensitive technology. The President would be further required to certify that the government with primary jurisdiction over the person who engages in the significant transaction is: (1) taking or will take steps to reduce its inventory of major defense equipment and advanced conventional weapons produced by the defense sector of the Russian Federation as a share of its total inventory of major defense equipment and advanced conventional weapons over a specified period; or cooperating with the United States Government on other matters that are critical to United States strategic national security interests.

Not later than 120 days after the date on which the President submits the specified certification, and annually thereafter for two years, the amendment would require the Secretary of State and the Secretary of Defense to jointly submit a report on such waiver, including: (1) the extent to which the waiver under section 236(b) has or has not resulted in the compromise of United States systems and operational capabilities, including through the diversion of United States sensitive technology to a person that is part of, or operates for or on behalf of, the intelligence sectors of the Government of the Russian Federation; and (2) the extent to which the government with primary jurisdiction over the person is taking specific enforcement actions.

Not later than 90 days after the date of the enactment of this Act, the amendment would require the President to submit an initial report that describes those persons that the President has determined under section 231 of CAATSA have knowingly engaged in a significant transaction with a person that is part of, or operates for or on behalf of, the defense or intelligence sectors of the Government of the Russian Federation. The amendment would also require updates every 90 days thereafter for a period of 5 years.

The amendment would clarify that nothing in its contents would modify, waive, or terminate any existing sanctions in effect on the date of enactment of this Act.

Rule of construction relating to the use of force (sec. 1295)

The House bill contained three provisions (sec. 1230A, sec. 1267, and sec. 1288) providing a rule of construction that nothing in this Act may be construed as authorizing the use of force against Iran or North Korea.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

LEGISLATIVE PROVISIONS NOT ADOPTED

NATO Strategic Communications Center of Excellence

The House bill contained a provision (sec. 1203) that would authorize the Secretary of Defense to provide funds for fiscal year 2019 for the purposes of supporting the NATO Strategic Communications Center of Excellence, and would direct the Secretary of Defense to assign executive agent responsibilities to an appropriate organization within the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

NATO Cooperative Cyber Defense Center of Excellence

The House bill contained a provision (sec. 1204) that would authorize the Secretary of Defense to provide funds for fiscal year 2019 for the purposes of supporting the NATO Cooperative Cyber Defense Center of Excellence, and would direct the Secretary of Defense to assign executive agent responsibilities to an appropriate organization within the Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

Report on security cooperation with Haiti

The House bill contained a provision (sec. 1207) that would require the Secretary of Defense to submit to the appropriate congressional committees not later than 90 days after the date of the enactment of this Act, and every 180 days thereafter for three years, a report on cooperation between the Department of Defense and the Government of Haiti.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense and the Secretary of State to provide a briefing not later than 120 days after the date of the enactment of this Act to the congressional defense committees, the House Committee on Foreign Affairs, and the Senate Committee on Foreign Relations on security cooperation programs between the United States and Government of Haiti. The briefing should include the following elements:

(1) An overview of all United States security cooperation and assistance programs in Haiti, including descriptions of the purpose, objectives, and type of training, equipment, or assistance provided, the lead agency with responsibility for each such program, and how such programs advance the nationals security interests of the United States;

(2) A description of the cost, scope, size, and components of such programs for fiscal years 2017 and 2018, including for each such program the following:

(a) The purpose and objectives of the program;

(b) The authority or authorities under which the program is conducted;

(c) The types of units receiving assistance, including components of the Armed Forces of Haiti;

(d) The funding and personnel levels for the program in each such fiscal year, future year costs, including sustainment costs, over the next five fiscal years, and any required increases of capacity to support the program, as appropriate; and

(3) Any other matters determined appropriate by the Secretary of Defense and Secretary of State.

Report on allied contributions to the common defense

The House bill contained a provision (sec. 1209) that would require the Secretary of Defense to submit a report to certain congressional committees on annual defense spending by United States allies and partners.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that contributions to common security by United States allies and partners are addressed elsewhere in this report.

Enhanced military activities

The House bill contained a provision (sec. 1210) that would require the Secretary of Defense to seek opportunities to conduct certain North Atlantic Treaty Organization (NATO) naval exercises. The provision would also authorize the Secretary of Defense, in coordination with the Secretary of State, to conduct joint research projects with NATO allies for certain purposes.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that enhanced military activities of the United States with NATO allies are addressed elsewhere in this report.

Report on security cooperation programs and activities of the Department of Defense in certain foreign countries

The House bill contained a provision (sec. 1210A) that would require a report on security cooperation programs and activities of the Department of Defense in Afghanistan, Iraq, Yemen, Nigeria, Mali, Chad, Somalia, and the Philippines, that were carried out at any time during the period beginning on September 11, 2001, and ending on the date of enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that elsewhere in this Act is a provision that addresses the importance of a rigorous assessment, monitoring, and evaluation regime of the Department's security cooperation programs and activities and the importance of incorporating lessons learned to increase the effectiveness of future security cooperation programs.

Report on assistance to Pakistan

The House bill contained a provision (sec. 1214) that would require the Secretary of Defense to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act describing the manner in which the Department provides assistance to the Government of Pakistan.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Department to provide a report to the congressional defense committees on the assistance provided to Pakistan no later than January 1, 2019. Topics to be covered in the report shall include, but are not limited to, the fiscal authorities used to provide assistance to Pakistan as well as the amounts provided under each authority for fiscal years 2016, 2017, and 2018, a detailed description of the main lines of effort as well as the measures of effectiveness and measures of performance associated with each line of effort, and an articulation of the desired outcomes associated with any assistance provided. It is expected that the Department's report will be made at the unclassified level and may include a classified annex.

Sense of Congress relating to Dr. Shakil Afridi

The House bill contained a provision (sec. 1215) that would state that it is the sense of Congress that Dr. Shakil Afridi is an international hero and that the Government of Pakistan should release him immediately from prison.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the contributions of Dr. Afridi to efforts to locate Osama bin Laden, remain concerned about Dr. Afridi's continuing incarceration, and urge the Government of Pakistan to release him immediately.

Sense of Congress on ballistic missile cooperation to counter Iran

The House bill contained a provision (sec. 1224) that would offer a number of findings concerning the importance of ballistic missile defense cooperation to counter Iran and express the sense of Congress that member countries of the Gulf Cooperation Council (GCC) should engage in such cooperation with the support of the United States.

The Senate amendment contained no similar provision.

The House recedes.

The conferees recognize the importance of ballistic missile defense cooperation in the Middle East, particularly among the member countries of the GCC given Iran's ballistic missile program and its broader destabilizing actions in the region. The conferees encourage the countries of the GCC to take meaningful steps to develop and implement an interoperable ballistic missile defense architecture to defend against the Iranian ballistic missile threat that emphasizes information sharing and includes early warning and tracking data. Furthermore, the conferees support continued bilateral and multilateral missile defense exercises between the United States and its partners in the region and encourage increasing the capacity of those partners through foreign military sales as appropriate and practicable.

Syria Study Group

The Senate amendment contained a provision (sec. 1224) that would establish a Syria Study Group tasked with providing a report with findings and recommendations on the military and diplomatic strategy of the United States with respect to the conflict in Syria.

The House bill contained no such provision.

The Senate recedes.

Report on compliance of Iran under the Chemical Weapons Convention

The House bill contained a provision (sec. 1226) that would require the Secretary of State and Secretary of Defense to submit a report to the appropriate committees of Congress on the extent to which Iran is complying with its obligations under the Chemical Weapons Convention.

The Senate amendment contained no such provision.

The House recedes.

The conferees direct the Secretary of Defense and Secretary of State to submit a report not later than February 1, 2019, to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House on the extent to which Iran is complying with its obligations under the Chemical Weapons Convention that includes the following elements:

(1) A description, assessment, and verification, to the extent practicable, of any credible information that Iran has assisted the Government of Syria in committing actions that violate the convention;

(2) A description of any dual-use technologies sought by Iran that could advance Iran's capability to produce chemical weapons for offensive use;

(3) The implications of any activities or technologies described in the elements above for Iran's compliance with international obligations relating to nonproliferation; and

(4) Any other matters the Secretaries determine to be relevant.

The report shall be submitted in unclassified form, but may include a classified annex.

Report on potential release of chemical weapons or chemical weapons precursors from Barzeh Research and Development Center and Him Shinshar chemical weapons storage and bunker facilities in Homs province of Syria

The House bill contained a provision (sec. 1227) that would require the Secretary of Defense to submit a report to the congressional defense committees not later than 30 days after the date of the enactment of this Act that contains a review and analysis of the potential for the release of chemical weapons or chemical weapons precursors from two facilities in Syria that were targets of strikes by the United States and partner forces on April 13, 2018.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense to provide a briefing to the congressional defense committees not later than 90 days after the date of the enactment of this Act on the potential for release of chemical weapons or chemical weapons precursors from the two facilities in question, the Barzeh Research and Development Center and the Him Shinshar chemical weapons storage and bunker facilities in Homs province of Syria that were targets of strikes by the United States and partner forces on April 13, 2018. The briefing should include an assessment of the methodology the Secretary of Defense used prior to such strikes to determine the potential of the release of chemical agents or chemical weapons precursors affecting local residents and the potential for chemical agents to enter into the aquifer, air, soil, or other aspects of the environment.

Report on Iranian support of proxy forces in Syria and Lebanon

The House bill contained a provision (sec. 1229) that would require the President to submit to Congress not later than 180 days after the date of the enactment of this Act a report that describes the Government of Iran's support of proxy forces in Syria and Leb-

anon and assesses the resulting threat posed to Israel, other regional allies of the United States, and the interests of the United States.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the Department of Defense's congressionally mandated annual report on the military power of Iran already requires information on support from Iran to groups designated by the United States as foreign terrorist organizations and regional militant groups, including forces that are willing to carry out operations on behalf of Iran. The conferees encourage the Secretary of Defense to include detailed information in future reports regarding: the regional threats posed by arms or related material transferred by Iran to Hezbollah; the means by which such arms transfers are made; and the impacts of Iranian and Iranian-controlled personnel, including Hezbollah, Shiite militias, and Iran's Revolutionary Guard Corps forces, operating within Syria. The conferees also note that, elsewhere in this report, the conferees direct the Secretary of Defense, in consultation with the Secretary of State and other appropriate officials, to submit to the appropriate congressional committees a report specific to Hezbollah.

Sense of Congress on the lack of authorization for the use of the Armed Forces against Iran

The House bill contained a provision (sec. 1230) that would express the sense of Congress that the use of the Armed Forces against Iran is not authorized by this Act or any other Act.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that nothing in this Act may be construed to authorize the use of the Armed Forces of the United States against Iran. At the time of the signing of this report, the conferees are not aware of any information that would justify the use of military force against Iran under any other statutory authority.

Afghanistan security

The House bill contained a provision (sec. 1230B) that would require the Secretary of Defense, in coordination with the Secretary of State, to submit a report on the progress made by the Government of Afghanistan in achieving the security-sector benchmarks as outlined by the United States-Afghan Compact.

The Senate amendment contained no similar provision.

The House recedes.

The conferees welcome the introduction of the bilateral U.S.-Afghanistan Compact, and the focus on the four pillars of governance, economics, peace and reconciliation, and security.

However, the conferees are disappointed by the lack of transparency provided by the Department of Defense and the Department of State on the central tenants of the Compact and the associated benchmarks. The conferees note that further detail on the Compact and its security-sector benchmarks is required elsewhere in this report.

Sense of Congress on ballistic missile program of Iran

The House bill contained a provision (sec. 1230C) that would express the sense of Congress that the ballistic missile program of Iran represents a serious threat to the allies of the United States in the Middle East and Europe, members of the Armed Forces deployed in those regions, and ultimately the United States. It would also express the sense of Congress that the Government of the United States should impose tough primary and secondary sanctions against institutions and persons that directly or indirectly support the program.

The Senate amendment contained no similar provision.

The House recedes.

The conferees remain deeply concerned by Iran's ballistic missile program, which poses a significant threat to regional stability and United States interests. Iran's testing and production of ballistic missiles capable of delivering nuclear weapons violates multiple unanimously adopted United Nations Security Council resolutions. To address this threat, the conferees believe existing unilateral and multilateral sanctions should be fully utilized to help deny support to the Iranian ballistic missile program and that the United States should continue to engage with partners and allies to address the Iranian ballistic missile threat.

Imposition of sanctions

The House bill contained a provision (sec. 1230F) that would require the President to impose specified sanctions on As-Saib Ahl al-Haq, Harakat Hezbollah al-Nujaba, and foreign persons with certain associations with the former two organizations.

The Senate amendment contained no such provision.

The House recedes.

The conferees encourage the Secretary of State to continuously review whether groups that are affiliated with Iran meet the criteria for designation as a foreign terrorist organization or the application of sanctions pursuant to Executive Order 13224.

Report on United States strikes against Syria

The House bill contained a provision (sec. 1230G) that would require the Secretary of Defense to submit not later than 30 days after the date of the enactment of this Act to the congressional defense committees a report providing a detailed explanation of the legal basis under both domestic and international law for the strikes conducted by the United States in Syria on April 6, 2017 and April 13, 2018. The House bill also included a provision (sec. 1230H) that would require the Secretary of Defense to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives on the United States military strikes on Syria on April 13, 2018.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense to submit, not later than 30 days after the enactment of this Act, a report on the United States strikes on Syria on April 6, 2017 and April 13, 2018, to the congressional defense committees and the Committee on For-

eign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives. The report, which shall be unclassified but may include a classified annex, shall include the following elements:

(1) A legal analysis of the relevant domestic and international authorities and precedents justifying the strikes;

(2) A description of the objectives of the strikes and assessment of whether such objectives were achieved by the strikes; and

(3) An assessment of the extent to which the operations of the Syrian military or other pro-regime forces were affected by such strikes, including whether the strikes had any lasting impact on such operations.

Report on evolving financing mechanisms leveraged by the Islamic State and affiliate entities

The House bill contained a provision (sec. 1230I) that would require the Secretary of Defense, the Secretary of the Treasury, and the Secretary of State to submit to Congress a report that contains an assessment on current and projected funding mechanisms used by the Islamic State of Iraq and Syria (ISIS) and its affiliates, as well as efforts by the United States to deny access to such mechanisms.

The Senate amendment contained no similar provision.

The House recedes.

The conferees acknowledge the importance and complexity of counter-terrorist financing efforts led by the Department of the Treasury, the Department of State, the Department of Defense, and other departments and agencies in targeting an array of terrorist organizations, including ISIS, which maintain diversified revenue streams. Therefore, the conferees direct the Secretary of State, the Secretary of Treasury, and Secretary of Defense, in coordination with other relevant Federal officials, to provide a briefing to the congressional defense committees not later than 90 days after the enactment of this Act, on ISIS and its affiliates' finances, trends in their revenue streams and means of financial support, and United States' efforts to deny them access to funding mechanisms.

Sense of Senate on relocation of Joint Intelligence Analysis Complex

The Senate amendment contained a provision (sec. 1234) that would express the sense of the Senate concerning the relocation of the Joint Intelligence Analysis Complex (JIAC).

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the House bill and Senate amendment contained provisions, which require that military construction related to the relocation of the JIAC shall take place within the United Kingdom. These provisions are addressed elsewhere in this report. In addition, the conferees believe that in consideration of any future plans, including the conduct of any analysis of alternatives, regarding the relocation of the JIAC, the Secretary of Defense should maintain its collocation with the North Atlantic Treaty Organization (NATO) Intelligence Fusion Center.

Statement of policy on United States military investment in Europe

The House bill contained a provision (sec. 1235) that would state that it is the policy of the United States to sustain credible deterrence against aggression by the Government of the Russian Federation, including through investments to enhance U.S. force posture in Europe.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that sustaining credible deterrence against Russian aggression and enhancing U.S. force posture in Europe are addressed elsewhere in this report.

Report on security cooperation between the Russian Federation and Cuba, Nicaragua, and Venezuela

The Senate amendment contained a provision (sec. 1237) that would require the Director of the Defense Intelligence Agency to submit not later than 180 days after the date of enactment of this Act to the appropriate committees of Congress a report on security cooperation between the Russian Federation and Cuba, Nicaragua, and Venezuela.

The House bill contained no similar provision.

The Senate recedes.

The conferees continue to be concerned by Russian military and intelligence activity in the Western Hemisphere and urge the Department of Defense to engage in dialogue and cooperation on security with U.S. partners and allies in the region. Furthermore, conferees direct the Director of the Defense Intelligence Agency not later than 180 days after the date of enactment of this Act to submit to the Committee on Armed Services, Committee on Foreign Relations, and Committee on Appropriations of the Senate and the Committee on Armed Services, the Committee on Foreign Affairs, and the Committee on Appropriations of the House of Representatives a report on security cooperation between the Russian Federation and Cuba, Nicaragua, and Venezuela with the following elements:

(1) An assessment of bilateral security cooperation between the Russian Federation and Cuba, Nicaragua, and Venezuela, respectively, that includes each of the following:

(a) A list of Russian weapon systems or other military hardware or technology valued at not less than $1.0 million provided to or purchased by such country since January 1, 2007;

(b) A description of the participation of the security forces of such country in training or exercises with the security forces of the Russian Federation since January 1, 2007;

(c) A description of any security cooperation agreement between the Russian Federation and such country;

(d) A description of any military or intelligence infrastructure, facilities, and assets developed by the Russian Federation in each such country and any associated agreements or understandings between the Russian Federation and such country; and

(2) An assessment of security cooperation, specifically in an advisory role, among Cuba, Nicaragua, and Venezuela.

The report shall be submitted in unclassified form, but may include a classified annex.

Sense of Congress regarding Russia's violations of the Chemical Weapons Convention

The House bill contained a provision (sec. 1238) that would express the sense of Congress that the Russian Federation is in violation of the Chemical Weapons Convention.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that Russia's stock pile of chemical weapons has been implicated and involved in several assassinations and through their actions of inhibiting the Organization for the Prohibition of Chemical Weapons' work in Syria, Russia has disregarded the obligations imposed by the Chemical Weapons Convention and is in contravention of that agreement.

Report on Kremlin-linked corruption

The House bill contained a provision (sec. 1241) that would require a report from the Secretary of Treasury, in coordination with the Secretary of State and in consultation with the Director of National Intelligence, regarding certain assets owned by Vladimir Putin, Russian oligarchs, and senior officials of the Russian government not later than 60 days after the enactment of this Act. The provision would also require the report to be published 60 days after it was submitted to Congress.

The Senate bill contained no similar provision.

The House recedes.

The conferees direct the Secretary of Treasury, in coordination with the Secretary of State and in consultation with the Director of National Intelligence, to provide the appropriate congressional committees, including the Committees on Armed Services of the Senate and House of Representatives, with a briefing on the assets owned by Vladimir Putin, the Russian oligarchs mentioned in the report provided to Congress under Sec 241 of Public Law 115–44 (CAATSA), and senior officials of the Russian government. The briefing shall include the location, value, size and contents of bank accounts, real estate holdings, and all other financial assets, as well as the use of shell companies employed to hide assets, that belong to the aforementioned individuals and their immediate family members and proxies.

Report on Russia's support for the Taliban and other destabilizing activities in Afghanistan

The House bill contained a provision (sec. 1242) that would require the Secretary of Defense and Secretary of State to jointly submit to the congressional defense and foreign affairs committees a report on Russia's support for the Taliban and other destabilizing activities in Afghanistan.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note with deep concern Russia's destabilizing activities in Afghanistan. By misrepresenting the danger that Islamic State of Iraq and the Levant—Khorasan Province (ISIS-K) presents in Afghanistan and providing material support to the Taliban, Russia has consistently undermined the international effort to establish peace and stability in Afghanistan and the Central and South

Asian region. To better understand the nature of these activities, the conferees direct the appropriate agency within the Department of Defense, in conjunction with the Intelligence Community, to provide a report to the congressional defense and foreign relations committees no later than January 31st, 2019. The required report should be made at the classified level with an unclassified summary and should address Russian destabilizing activities in the region over the past 10 years, an articulation of Russian goals in executing such activities and an assessment of their abilities and potential to affect future operations that run counter to U.S. and Afghan goals in the region.

Sense of Senate on strategic importance of maintaining commitments under Compacts of Free Association

The Senate amendment contained a provision (sec. 1248) that would express the sense of the Senate concerning the strategic importance of maintaining commitments under Compacts of Free Association.

The House bill contained no similar provision.

The Senate recedes.

The conferees believe that maintaining the commitments of the United States under the Compacts of Free Association is of vital strategic importance to the national security interests of the United States. Furthermore, the conferees note that under compacts with the Freely Associated States (FAS), the Federated States of Micronesia, Republic of the Marshall Islands, and Palau, the United States has exclusive military use rights in these countries in exchange for the defense of the FAS. The Compacts of Free Association (COFA) have enabled the United States to maintain critical access in the Indo-Pacific region and are important to strengthening partnerships and maintaining commitments in the Indo-Pacific region.

Report on terrorists use of human shields

The Senate amendment contained a provision (sec. 1252) that would require the Secretary of Defense, in consultation with the Secretary of State, to provide a report on the use of human shields by terrorist groups to protect otherwise lawful targets from attack.

The House bill contained no similar provision.

The Senate recedes.

The conferees remain concerned about the use of human shields by terrorists and the challenge such tactics pose for military operations. Therefore, the conferees direct the Secretary of Defense, in consultation with the Secretary of State, to provide a briefing to the congressional defense committees, the Senate Committee on Foreign Relations, and the House Committee on Foreign Affairs no later than March 31, 2019, on the use of human shields by terrorists. The briefing should include a discussion of lessons learned by the United States and its allies and partners and actions taken by the Department of Defense (DOD) to address the use of human shields by terrorist groups. The briefing should also include a description of any plans and actions being taken by DOD to incorporate lessons learned into DOD operating guidance, capa-

bilities, and tactics, techniques, and procedures to counter and address the challenge posed by the use of human shields.

Missile defense exercises in the Indo-Pacific region with United States regional allies and partners

The House bill contained a provision (sec. 1255) that would express the sense of the Congress on supporting the continued development and deployment of a robust missile defense in the Indo-Pacific region, including by increasing the capacity of interceptors, sensors and operational concepts; planning for operationally realistic bilateral and multilateral missile defense exercises with regional allies and partners along with exercises that are specifically focused on interoperability; and increasing foreign military sales and areas of co-production for components of missile defense systems among appropriate allies and partners.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct that, not later than 120 days after the date of enactment of this Act, the Secretary of Defense provide a briefing to the congressional defense committees on the plans for missile defense exercises in the Indo-Pacific region with allies and partners to improve interoperability.

Quadrilateral cooperation and exercise

The House bill contained a provision (sec. 1256) that would express the sense of the Congress on supporting quadrilateral cooperation among the United States, Japan, Australia, and India, and others as appropriate.

The Senate amendment contained no similar provision.

The House recedes.

The conferees believe that the United States in cooperation with Japan, India, Australia, and other allies and partners should work together to uphold the values of a free and open Indo-Pacific region and promote regional security and stability through appropriate cooperation regarding the rule of law, peaceful resolution of disputes, maritime security, nonproliferation, and counterterrorism.

Therefore, the conferees direct that, not later than 120 days after the date of enactment of this Act, the Secretary of Defense provide to the congressional defense committees a briefing on the plans to enhance security cooperation among the United States, Japan, Australia, India, and other countries, as appropriate, including through appropriate military activities and exercises, capacity building efforts among other countries in the Indo-Pacific region, and joint regional infrastructure initiatives.

Report on United States military training opportunities with allies and partners in the Indo-Pacific region

The Senate amendment contained a provision (sec. 1256) that would express the sense of the Senate and require a report concerning United States military training opportunities with allies and partners in the Indo-Pacific region.

The House bill contained no similar provision.

The Senate recedes.

The conferees believe that the Secretary of Defense should continue to place emphasis on United States military training exercises with allies in the Indo-Pacific region. Therefore, the conferees direct that, not later than 180 days after the date of the enactment of this Act, the Secretary of Defense submit to the congressional defense committees a report on future United States military training opportunities with allied partner countries in the Indo-Pacific region. The report shall include the following: (1) a detailed description of current United States military exercises involving United States partners and allies in the Indo-Pacific region, the manner in which such exercises are intended to improve the capability and capacity of such partners and allies, and the interoperability of such partners and allies with the United States Armed Forces; (2) an analysis of the potential to expand the size, scope, or makeup of such exercises to include additional forces and units of current participants, additional capabilities or training, and other allies and partners in the Indo-Pacific region and other regions; (3) an identification of new United States military exercises that may be initiated with allies and partners, including through multilateral frameworks such as the Association of Southeast Asian Nations (ASEAN), in the Indo-Pacific region, allies and partners outside the Indo-Pacific region, and potential new allies or partners.

Statement of policy on naval vessel transfers to Japan

The House bill contained a provision (sec. 1260) that it shall be the policy of the United States to support maritime defense cooperation with Japan, including through the transfer of excess United States naval vessels to the Japanese Maritime Self-Defense Force, and that such transfers should include capabilities such as those represented by the Tarawa class amphibious assault ship, the Austin class amphibious transport dock, and the Charleston class amphibious cargo ship.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense and the Secretary of State jointly to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives, not later than 120 days after the date of the enactment of this Act, on the potential for the transfer of excess United States naval vessels to Japan, including those represented by the Tarawa class amphibious assault ship, the Austin class amphibious transport dock, and the Charleston class amphibious cargo ship, and opportunities to collaborate with Japan on the transfer of excess United States naval vessels to other countries, particularly in Southeast Asia.

Senior defense engagement with Taiwan

The House bill contained a provision (sec. 1262) that would express the sense of Congress that, pursuant to the Taiwan Travel Act (Public Law 115–135), a service secretary or member of the joint chiefs should visit Taiwan for a senior-level defense engagement.

The Senate amendment contained no similar provision.

The House recedes.

Not later than 60 days after the date of the enactment of this Act, the conferees direct the Secretary of Defense, in consultation with the Secretary of State, to provide a briefing to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives on any plans of the Department to carry out senior-level defense engagement.

Sense of Senate on purchase by Turkey of S–400 air defense system

The Senate amendment contained a provision (sec. 1263) that would express the sense of the Senate that the President should impose and apply sanctions under the Countering America's Adversaries through Sanctions Act (Public Law 115–44) against the Republic of Turkey if it purchases the S–400 air defense system from the Russian Federation.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that concerns about the ramifications of the Republic of Turkey's expressed intention to purchase the S–400 air and missile defense system from Russia, including the possibility of sanctions, are addressed elsewhere in this report.

Department of Defense support for stabilization activities in national security interest of the United States

The Senate amendment contained a provision (sec. 1264) that would authorize the Secretary of Defense, with the concurrence of the Secretary of State and in consultation with the Administrator of the United States Agency for International Development and the Director of the Office of Management and Budget, to provide certain support for the stabilization activities of other Federal agencies.

The House bill amendment contained no similar provision.

The Senate recedes.

Report on North Korea

The House bill contained a provision (sec. 1266) that would require a report concerning certain efforts of the Department of State with respect to North Korea.

The Senate amendment contained no similar provision.

The House recedes.

Not later than 120 days after the date of the enactment of this Act, the conferees direct the Secretary of State, in consultation with the heads of other relevant federal departments and agencies, to submit a report that includes a description of any ongoing or planned efforts of the Department of State with respect to each of the following: (1) resuming the repatriation from North Korea of members of the United States Armed Forces missing or unaccounted for during the Korean War; (2) reuniting Korean Americans with their relatives in North Korea; and (3) assessing the security risks posed by travel to North Korea for United States citizens. The report shall be submitted in an unclassified form to the following committees: the congressional defense committees, the

Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives.

Sense of Senate on support for G5 Sahel Joint Force countries

The Senate amendment contained a provision (sec. 1267) that would express the sense of the Senate on support for the G5 Sahel Joint Force countries.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the G5 Sahel Joint Force is addressed elsewhere in this report.

Review of controlled items with respect to China

The House bill contained a provision (sec. 1268) that would require the Secretary of Defense to submit to Congress a list of technologies listed on the Commerce Control List and exempted from export to China, and a list of such items removed from the list over the previous 15 years.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that export control and technology protection are subjects of great interest for Congress, as demonstrated by other provisions on both topics elsewhere in this bill. The conferees are aware of ongoing efforts to protect U.S. technologies from aggressive attempts by China and other countries to obtain those technologies using both legal and illicit means. The conferees expect that interagency deliberations on these issues will appropriately consider and balance the Department of Defense's national security concerns with other factors.

Sense of Congress on broadening and expanding strategic partnerships and allies

The Senate amendment contained a provision (sec. 1268) that it is the sense of Congress that the United States manages multiple strategic challenges through the enduring strength of its alliances and that it remains resolved to forge new alliances and partnerships in order to address shared challenges in Europe, the Indo-Pacific, and throughout the world.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the importance of maintaining and strengthening United States alliances and partnerships to meet strategic challenges throughout the world is addressed elsewhere in this report.

Humanitarian assistance and disaster relief exercises conducted by the Department of Defense in the Indo-Pacific region

The House bill contained a provision (sec. 1269) that would express the sense of Congress and require a briefing on humanitarian assistance and disaster relief exercises conducted by the Department of Defense in the Indo-Pacific region.

The Senate amendment contained no similar provision.

The House recedes.

Not later than the end of the first fiscal year beginning after the date of enactment of this Act, the conferees direct the Secretary of Defense to provide a briefing on the following: (1) a description of humanitarian assistance and disaster relief exercises conducted by the Department of Defense in the Indo-Pacific region in the previous year that also identifies the partner countries and militaries involved in any such operations and exercises; (2) a description of any planned humanitarian assistance and disaster relief exercises for the following fiscal year in the Indo-Pacific region; (3) a description of any constraints on the ability of the Department of Defense to conduct humanitarian assistance and disaster relief exercises, including in resources; and (4) a description of any efforts undertaken by the Secretary of Defense to ease operational burdens on the Armed Forces of the United States to participate in humanitarian assistance or disaster relief exercises, such as the pre-positioning of equipment, inclusion of additional partners, and inclusion of exercises that may ordinarily be conducted independently of any humanitarian assistance operation or exercise. The briefing shall be provided to the Committee on Armed Services and the Committee on Foreign Relations of the Senate and the Committee on Armed Services and the Committee on Foreign Affairs of the House of Representatives.

Increase in minimum amount of obligations from the Special Defense Acquisition Fund for precision guided munitions

The Senate amendment contained a provision (sec. 1270) that would increase the amount of annual obligations from the Special Defense Acquisition Fund for the procurement and stocking of precision guided munitions from 20 percent to 25 percent.

The House bill contained no similar provision.

The Senate recedes.

Sense of Congress on unity of Gulf Cooperation Council member countries

The House bill contained a provision (sec. 1272) that would express the sense of Congress on the importance of unity among Gulf Cooperation Council (GCC) member countries.

The Senate amendment contained no such provision.

The House recedes.

The conferees note that the member countries of the GCC are important security cooperation partners of the United States and that their unity is critical given growing threats from Iran in the region. The conferees further note that the timely normalization of diplomatic, security, and economic relationships among GCC member countries is in the best interest of the United States and encourage the Secretary of Defense and Secretary of State to facilitate such normalization as soon as possible.

Authority to increase engagement and military-to-military cooperation with Western Balkans countries

The House bill contained a provision (sec. 1274) that would authorize the Secretary of Defense to increase engagement and military-to-military cooperation utilizing authorized programs and activities under chapter 16 of title 10, United States Code, with the

nations of the Western Balkans, including Serbia, Bosnia and Herzegovina, Kosovo, and Macedonia.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the United States engagement and military-to-military cooperation in the Western Balkans is addressed elsewhere in this report.

Three-year extension of authorization of non-conventional assisted recovery capabilities

The House bill contained a provision (sec. 1277) that would extend the authority contained in Section 943 of the National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417), as most recently amended by section 1051 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) by three years.

The Senate amendment contained no similar provision.

The House recedes.

Sense of Congress on support for Georgia

The House bill contained a provision (sec. 1284) that would express the sense of Congress regarding United States support for Georgia's sovereignty and territorial integrity as well as support for continued cooperation between the United States and Georgia.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that United States support for cooperation with Georgia is addressed elsewhere in this report.

Sense of Congress on support for Estonia, Latvia, and Lithuania

The House bill contained a provision (sec. 1285) that would express the sense of Congress regarding United States support for the Republic of Estonia, the Republic of Latvia, and the Republic of Lithuania.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that United States support for the Republic of Estonia, the Republic of Latvia, and the Republic of Lithuania is addressed elsewhere in this report.

Report on United States strategy in Yemen

The House bill contained a provision (sec. 1286) that would require the Secretary of Defense to submit to the congressional defense committees a strategy of the United States Forces with respect to Yemen not later than February 1, 2019.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense to submit to the congressional defense committees a report on the United States' strategy and activities in Yemen not later than February 1, 2019. At a minimum, the report shall include the following elements: (1) The diplomatic and security objectives of the United States in Yemen; (2) Indicators for the effectiveness of United States military efforts to achieve such interests, objectives, goals, or end-states; (3)

The costs associated with the involvement of the United States Armed Forces in Yemen, including costs relating to counterterrorism activities, refueling missions, or other military activities; and (4) The estimated annual resources required through fiscal year 2022 for the United States Armed Forces to achieve such objectives.

Report on Hezbollah

The House bill contained a provision (sec. 1287) that would require the President to submit to the appropriate congressional committees a report on Hezbollah's activities and objectives not later than 90 days after the enactment of this Act.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense, in consultation with Secretary of State and other appropriate officials, to submit a report on Hezbollah's activities to the appropriate congressional committees not later than 120 days after the enactment of this Act. At a minimum, the report shall include the following elements:

(1) A description of Hezbollah's strategic objectives in the Middle East;

(2) A description of Hezbollah's activities throughout the Middle East, including its involvement in and effects upon conflicts throughout the region;

(3) A description of Hezbollah's conventional and unconventional military capabilities, including an estimate of its known rocket and missile arsenal;

(4) A description of Hezbollah's finances, including its sources of financial support and a description of how it utilizes its financial resources in Lebanon;

(5) A description of the supply routes used in Hezbollah's procurement of illegal weapons and other illicit materiel; and

(6) An evaluation of the progress of the United Nations Interim Force in Lebanon in enforcing its mandate to assist the Government of Lebanon in ensuring the return of its effective authority in southern Lebanon, along with a description of any factors inhibiting the achievement of that objective.

The report shall be submitted to the congressional defense committees, the Committee on Foreign Relations of the Senate, the Committee on Foreign Affairs of the House of Representatives, the Select Committee on Intelligence of the Senate, and the Permanent Select Committee on Intelligence of the House of Representatives. It shall be submitted in unclassified form, but may include a classified annex.

Sense of Congress regarding the role of the United States in the North Atlantic Treaty Organization

The House bill contained a provision (sec. 1290) that would express the sense of Congress that continued United States leadership in the North Atlantic Treaty Organization is critical to the national security of the United States.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that support for the North Atlantic Treaty Organization is addressed elsewhere in this report.

Sense of Congress and reaffirming the commitment of the United States to the North Atlantic Treaty Organization (NATO)

The House bill contained a provision (sec. 1291) that would express the sense of Congress regarding the commitment of the United States to the North Atlantic Treaty Organization.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that support for the North Atlantic Treaty Organization is addressed elsewhere in this report.

Sense of Congress relating to increases in defense capabilities of United States allies

The House bill contained a provision (sec. 1292) that would express the sense of Congress that the President should encourage members of the North Atlantic Treaty Organization (NATO) to fulfill their commitments to levels and composition of defense expenditures as agreed upon at the NATO 2014 Wales Summit and NATO 2016 Warsaw Summit.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the role of NATO and support for U.S. allies and partners in Europe are addressed elsewhere in this report.

Report on threats by the Muslim Brotherhood

The House bill contained a provision (sec. 1293) that would express the sense of Congress that the Muslim Brotherhood is a threat to the United States. Additionally, it would require the President and the Secretary of Defense, in coordination with the Secretary of State, to submit to the appropriate congressional committees a report that contains an assessment of the Muslim Brotherhood's origins, aims, organization, and activities.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of State, in coordination with the Director of National Intelligence and other relevant officials, to provide to the congressional defense committees, the Committee on Foreign Relations, the Committee of Appropriations of the Senate, and the Select Committee on Intelligence of the Senate and the Committee on Foreign Affairs, the Committee on Appropriations, and the Permanent Select Committee on Intelligence of the House of Representatives, a report on the Muslim Brotherhood and its affiliated branches in Middle Eastern and North African countries not later than one year after the enactment of this Act. The report shall contain the following elements:

(1) A description of the origins of the Muslim Brotherhood;

(2) A description of the strategic and political objectives of the Muslim Brotherhood as a movement;

(3) A description of the activities of the Muslim Brotherhood in the Middle East and North Africa;

(4) A list of Muslim Brotherhood branches and affiliations by country in the Middle East and North Africa;

(5) A description of the extent to which the objectives and activities of the Muslim Brotherhood and affiliated organizations differ across the various countries in which they have a presence in the Middle East and North Africa;

(6) A description of the funding sources of each Muslim Brotherhood branch in the Middle East and North Africa;

(7) A description of the organization and leadership structures of the Muslim Brotherhood in the Middle East and North Africa; and

(8) Any other matters the Secretary of State considers appropriate.

The report shall be submitted in unclassified form, but may include a classified annex.

Report by Defense Intelligence Agency on certain military capabilities of China and Russia

The House bill contained a provision (sec. 1294) that would require the Director of the Defense Intelligence Agency to submit to the Secretary of Defense and certain congressional committees a report on the military capabilities of the People's Republic of China and the Russian Federation.

The Senate amendment contained no similar provision.

The House recedes.

Report on efforts to combat Boko Haram in Nigeria and the Lake Chad Basin

The House bill contained a provision (sec. 1295) that would require the Secretary of Defense, Secretary of State, and the Attorney General to jointly submit to Congress a report on efforts to combat Boko Haram in Nigeria and the Lake Chad Basin.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the threat posed by Boko Haram and the Islamic State in Iraq and Syria-West Africa (ISIS–WA), and the destabilizing impact these groups have on the countries in the Lake Chad Basin and the security interests of the United States. The United States should continue to work with partners and allies in the region to disrupt violent extremist organizations, including Nigeria and the countries that compose the G5 Sahel Force. To this end, the conferees support ongoing efforts to work with Nigeria and the G5 Sahel Force countries to improve security along the respective borders of each country; to address underlying sources of instability in each country through a whole-of-government approach; and to build and sustain effective, accountable governments as well as capable and professional militaries in each country. The conferees expect the Secretary of Defense to keep the congressional defense committees regularly informed of related Department of Defense efforts.

Lastly, the conferees note that section 1279A of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) required a comprehensive strategy to support improvements in defense institutions and security sector forces in Nigeria in order

to more effectively combat the threat posed by regional terrorist groups.

Report on interference in Libya by military and security forces of other foreign nations

The House bill contained a provision (sec. 1296) that would require the Secretary of Defense and the Secretary of State to jointly submit to the appropriate congressional committees a report on the military activities of external actors in Libya, including Russia, Egypt, and the United Arab Emirates.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct not later than 180 days after the date of enactment of this Act the Secretary of Defense and the Secretary of State to jointly submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives a report on the military activities of external actors in Libya. The report shall be submitted in unclassified form but may contain a classified annex. The report should include an assessment of military, security, and influence activities by foreign countries in Libya, including Russia, Egypt, and the United Arab Emirates. The report shall address, at a minimum, the following:

(1) A description of actions that violate or seek to violate the United Nations arms embargo on Libya imposed pursuant to United Nations Security Council Resolution 1970 (2011);

(2) A description of actions outside the scope of such Resolution that seek to increase the relative strength of either the eastern or western coalition in Libya, including through financing, policy coordination, or political support;

(3) An assessment of whether these actions have undermined the United Nations-led and United States-supported negotiations or the objective of political reconciliation and stabilization in Libya;

(4) An assessment of Russian influence in Libya and Egypt, including any efforts to provide logistical, material or political assistance to Libyan parties, establish a military presence, and expand political influence in Libya, and any facilitation by Egyptian officers or officials for such activities;

(5) An assessment of whether the presence and activities of Russian personnel and equipment in Libya and Egypt, and Russian requests to establish bases in Egypt, pose or could pose a future challenge to the United States' ability to operate in Egypt, Libya, or the southern Mediterranean broadly, including overflight privileges;

(6) An assessment of whether Egypt is facilitating Russian influence and materiel-provision in Libya and the extent to which such facilitation undermines United States policy, involves United States-origin equipment, and violates contractual conditions of acceptable use of such equipment; and

(7) Any other matters the Secretary of Defense and the Secretary of State determine to be relevant.

United States security and humanitarian support strategy for Yemen

The House bill contained a provision (sec. 1299) that would require the Secretary of State and the Secretary of Defense, in coordination with the Administrator of the United States Agency for International Development, to jointly submit to Congress a comprehensive report on United States security and humanitarian interests in Yemen.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that a provision elsewhere in this Act related to Yemen requires the Secretaries and the Administrator to submit to the appropriate congressional committees an unclassified report on United States objectives in Yemen and a strategy to accomplish those objectives. The conferees expect this report to describe United States efforts to coordinate civilian and military efforts in Yemen, the diplomatic strategy with respect to regional partners seeking to end the civil war, and the role that humanitarian support to civilian populations plays in the United States strategy in Yemen.

Report on Bangladesh

The House bill contained a provision (sec. 1299A) that would require a report on cooperation between the United States and Bangladesh regarding humanitarian assistance and disaster relief.

The Senate amendment contained no similar provision.

The House recedes.

Not later than 180 days after the enactment of this Act, the conferees direct Secretary of State, in coordination with the Administrator of the United States Agency for International Development (USAID) and the Secretary of Defense, to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives, a report containing (1) an assessment of Bangladesh's ability to respond to humanitarian crises and natural disasters and (2) recommendations for enhancing humanitarian assistance and disaster relief cooperation between the United States and Bangladesh relating to improving Bangladesh's ability to respond to humanitarian crises and natural disasters, including through humanitarian consultations, training, and exercises.

United States cybersecurity cooperation with Ukraine

The House bill contained a provision (sec. 1299B) that would make a series of findings about, state the policy of the United States surrounding, and require the Secretary of State to submit a report on cybersecurity cooperation with and assistance to Ukraine.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that it is the policy of the United States to: (1) Reaffirm the United States-Ukraine Charter on Strategic Partnership, which highlights the importance of the bilateral relationship and outlines enhanced cooperation in the areas of defense, security, economics and trade, energy security, democracy, and cul-

tural exchanges; (2) Support continued cooperation between NATO and Ukraine; (3) Support Ukraine's political and economic reforms; (4) Reaffirm the commitment of the United States to the Budapest Memorandum on Security Assurances; (5) Assist Ukraine's efforts to enhance its cybersecurity capabilities; and (6) Improve Ukraine's ability to respond to Russia-supported disinformation and propaganda efforts in cyberspace, including through social media and other outlets.

The conferees also urge the Secretary of State to take the following actions, commensurate with United States interests, to assist Ukraine to improve its cybersecurity: (1) Provide Ukraine such support as may be necessary to secure government computer networks from malicious cyber intrusions, particularly such networks used in the operation of the critical infrastructure of Ukraine; (2) Provide Ukraine support in reducing reliance on Russian information and communications technology; and (3) Assist Ukraine in building its capacity, expand cybersecurity information sharing, and cooperate on international cyberspace efforts.

Not later than 180 days after the date of the enactment of this Act, the Secretary of State shall submit to the congressional defense committees and the Committee on Foreign Affairs of the House of Representatives and the Committee on Foreign Relations of the Senate a report on United States cybersecurity cooperation with Ukraine. Such report shall also include information relating to the following: (1) United States efforts to strengthen Ukraine's ability to prevent, mitigate, and respond to cyber incidents, including through training, education, technical assistance, capacity building, and implementation of cybersecurity risk management strategies; (2) The potential for new areas of collaboration and mutual assistance between the United States and Ukraine in addressing shared cyber challenges, including cybercrime, critical infrastructure protection, and resilience against botnets and other automated, distributed threats; and (3) NATO's efforts to help Ukraine develop technical capabilities to counter cyber threats.

Briefing on China's military installation in the Republic of Djibouti

The House bill contained a provision (sec. 1299C) that would require a briefing from the Secretary of Defense and Secretary of State on an assessment of Chinese military operations in Djibouti and its compliance with international treaty obligations related to laser weapons and landmines.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct not later than 90 days after the date of enactment of this Act the Secretary of Defense, in coordination with the Secretary of State, to provide a briefing to the Armed Services Committees of the Senate and House of Representatives and the Foreign Relations Committee of the Senate and Foreign Affairs Committee of the House of Representatives on China's military installation in the Republic of Djibouti. The briefing shall include the following:

(1) An assessment of the impact of the People's Republic of China's first overseas military installation in the Republic of

Djibouti on the ability of the United States forces to operate in the region.

(2) An assessment of China's ability to obtain sensitive information and impact operations conducted from Camp Lemonier in Djibouti, the largest United States military installation on the African continent.

(3) An assessment of the ability of the President of Djibouti to terminate by all methods, including by simple decree, the Department of Defense's lease agreement governing operation of Camp Lemonier.

(4) An assessment of the impact of the Chinese base in Djibouti on security and safety of United States personnel in Djibouti.

(5) An assessment of the status of China's compliance with the 'Protocol on Blinding Laser Weapons' that forbids employment of laser weapons for the purposes of blinding.

(6) An assessment of the laser attack in Djibouti that injured United States airmen.

Sense of Congress with respect to the Three Seas Initiative

The House bill contained a provision (sec. 1299D) that would express the sense of Congress with respect to the "Three Seas Initiative."

The Senate amendment contained no similar provision.

The House recedes.

The conferees believe the "Three Seas Initiative" could serve as a valuable counterweight to the efforts of the Russian Government to divide Europe and to the regional expansionism of the Chinese Government, particularly in the context of energy and infrastructure. Therefore, the conferees believe the United States should fully support the efforts of the Three Seas Initiative, including by sending a high level delegation to future summits convened by the Initiative, encouraging United States business leaders to participate in the Initiative, and supporting the establishment of a network of Central European chambers of commerce.

Report on violence and cartel activity in Mexico

The House bill contained a provision (sec. 1299E) that would direct the Secretary of Defense to submit to the congressional defense committees a report on violence and cartel activity in Mexico and their impact on the national security of the United States.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that a provision elsewhere in this Act requires a report on security cooperation between the United States and Mexico, with a reporting element on the security environment and national security challenges in Mexico, including those posed by violence related to narcotics trafficking and cartel activity.

Briefing on Department of Defense Program to Protect United States Students Against Foreign Agents

The House bill contained a provision (sec. 1299G) that would require the Secretary of Defense to provide a briefing to the congressional defense committees on the program described in section

1277 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115—91), including an assessment on whether the program is beneficial to students interning, working part time, or in a program that will result in employment post-graduation with Department of Defense components and contractors.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct that not later than 240 days after the date of enactment of this Act the Secretary of Defense shall provide a briefing to the congressional defense committees on the program described in section 1277 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), including an assessment on whether the program is beneficial to students interning, working part time, or in a program that will result in employment post-graduation with Department of Defense components and contractors.

Report on countries and enemy groups against which the United States has taken military action

The House bill included a provision (sec. 1299I) that would require the Secretary of Defense to submit to specified committees of Congress a report that identifies the nations, organizations, and persons against which the United States has taken military action pursuant to the Authorization for the Use of Military Force.

The Senate amendment included no similar provision.

The House recedes.

The conferees direct the Secretary of Defense to submit to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives not later than 180 days after the date of the enactment of this Act a report that identifies the nations, organizations, and persons against which the United States has taken military action pursuant to the Authorization for Use of Military Force (Public Law 107–40; 50 U.S.C. 1541 note).

Importance of exchanges between the Department of State and the Department of Defense

The House bill contained a provision (sec. 1299J) that would express the sense of Congress of the importance of exchanges between Department of State and Department of Defense.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that United States Government personnel must be able to collaborate across departments and agencies to meet complex national security challenges. The conferees believe that exchange programs between the Department of State and Department of Defense are critical for strengthening the capacity of such Departments to promote regional stability around the world while protecting and promoting United States interests. Foreign Service officers serving as political advisors within the Department of Defense provide deep understanding of diplomatic dynamics and issues and can enable, through such exchange programs, the Department of Defense to make effective and sustained contributions to protecting and promoting United States interests. The conferees

believe that Foreign Service officers should be embedded forward with Department of Defense personnel to the fullest extent practicable.

Inclusion of influence operations in annual military reports to Congress

The House bill contained a provision (sec. 1299L) that would modify the Department of Defense's respective annual reports to Congress on the People's Republic of China, the Russian Federation, and Iran to include influence operations as a matter to be included in such reports.

The Senate amendment contained no similar provision.

The House recedes.

Security cooperation with Eritrea

The House bill contained a provision (sec. 1299N) that would require the Secretary of Defense, in consultation with the Secretary of State, to submit to the congressional defense committees a report on the potential strategic benefits and risks of conducting security cooperation with the Government of Eritrea.

The Senate amendment contained no similar provision.

The House recedes.

Matters relating to the Government of Burma

The House bill contained five provisions (sec. 1299O–1, sec. 1299O–2, sec. 1299O–3, sec. 1299O–4, and sec. 1299O–5) concerning matters related to the Government of Burma. The provisions would: prohibit the provision security assistance or engagement in security cooperation with the military and security forces of Burma for an eight-year period; require the President to impose sanctions on certain persons and entities involved in serious human rights abuses or impeding the investigation and prosecution of such abuses; require the Secretary of State to submit a report to the appropriate congressional committees on the mining sector in Burma's adherence to certain standards related to transparency; and require the Secretary of State to make a determination as to whether the events that took place in the state of Rakhine in Burma, starting on August 25, 2017, constitute ethnic cleansing, crimes against humanity, or genocide.

The Senate amendment contained no similar provision.

The House recedes.

TITLE XIII—COOPERATIVE THREAT REDUCTION

Funding allocations (sec. 1301)

The House bill contained a provision (sec. 1301) that would allocate specific funding amounts for each program under the Department of Defense Cooperative Threat Reduction Program at the levels of the President's budget request.

The Senate amendment contained a similar provision (sec. 1302).

The Senate recedes.

Specification of cooperative threat reduction funds (sec. 1302)

The House bill contained a provision (sec. 1302) that would specify that funds authorized to be appropriated to the Department of Defense for the Cooperative Threat Reduction Program would be available for obligation in fiscal years 2019, 2020, and 2021.

The Senate amendment contained a similar provision (sec. 1301).

The Senate recedes.

TITLE XIV—OTHER AUTHORIZATIONS

Subtitle A—Military Programs

Working capital funds (sec. 1401)

The House bill contained a provision (sec. 1401) that would authorize appropriations for Defense Working Capital Funds at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1401).

The House recedes.

Chemical agents and munitions destruction, defense (sec. 1402)

The House bill contained a provision (sec. 1402) that would authorize appropriations for Chemical Agents and Munitions Destruction, Defense at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1402).

The House recedes.

Drug interdiction and counter-drug activities, defense-wide (sec. 1403)

The House bill contained a provision (sec. 1403) that would authorize appropriations for Drug Interdiction and Counter-Drug Activities, Defense-wide at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1403).

The House recedes.

Defense inspector general (sec. 1404)

The House bill contained a provision (sec. 1404) that would authorize appropriations for the Office of the Inspector General at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1404).

The House recedes.

Defense health program (sec. 1405)

The House bill contained a provision (sec. 1405) that would authorize appropriations for the Defense Health Program at the levels identified in section 4501 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1405).

The Senate recedes with a technical amendment.

Subtitle B—Armed Forces Retirement Home

Authorization of appropriations for Armed Forces Retirement Home (sec. 1411)

The House bill contained a provision (sec. 1412) that would authorize an appropriation of $64.3 million from the Armed Forces Retirement Home Trust Fund for fiscal year 2019 for the operation of the Armed Forces Retirement Home.

The Senate amendment contained an identical provision (sec. 1421).

The conference agreement includes this provision.

Expansion of eligibility for residence at the Armed Forces Retirement Home (sec. 1412)

The Senate amendment contained a provision (sec. 1422) that would amend section 1512 of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 412) to include as authorized residents of the Armed Forces Retirement Home (AFRH): (1) Persons with a service-connected disability incurred in the line of duty in the Armed Forces; and (2) Certain spouses of residents. The provision would also delineate persons ineligible to be residents of the AFRH: (1) Persons discharged or released from military service under other-than- honorable conditions; and (2) Persons with substance abuse or mental health problems, with a limited exception.

The House bill contained no similar provision.

The House recedes.

Oversight of health care provided to residents of the Armed Forces Retirement Home (sec. 1413)

The Senate amendment contained a provision (sec. 1423) that would amend section 1513A(c) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 413a(c)) to revise the duties of the senior medical advisor to the Armed Forces Retirement Home (AFRH) to require the senior medical advisor to facilitate and monitor the timely availability to residents of the AFRH such medical, mental health, and dental care services as such residents may require at locations other than the AFRH and to monitor compliance by the facilities of the AFRH with applicable accreditation and health care standards and requirements.

The House bill contained no similar provision.

The House recedes.

Modification of authority on acceptance of gifts for the Armed Forces Retirement Home (sec. 1414)

The Senate amendment contained a provision (sec. 1424) that would amend paragraph (1) of section 1515(f) of the Armed Forces Retirement Home Act of 1991 (24 U.S.C. 415(f)) to authorize the Chief Operating Officer of the Armed Forces Retirement Home (AFRH) to accept, receive, solicit, hold, administer, and use any gift, devise, or bequest, either absolutely or in trust, of real or personal property, or any income therefrom or other interest therein, for the benefit of the AFRH.

The House bill contained no similar provision.

The House recedes.

Relief for residents of the Armed Forces Retirement Home impacted by increase in fees (sec. 1415)

The Senate amendment contained a provision (sec. 1425) that would prohibit the removal or release of a resident of the Armed Forces Retirement Home (AFRH) as of September 30, 2018, after that date based solely on the inability of the resident to pay the amount of any increase in fees applicable to residents that take effect on October 1, 2018. The provision would require the Chief Operating Officer of the AFRH to accommodate residents impacted by the fee structure that takes effect on October 1, 2018, through hardship relief, additional deductions from gross income, and other appropriate actions.

The House bill contained no similar provision.

The House recedes.

Limitation on applicability of fee increase for residents of the Armed Forces Retirement Home (sec. 1416)

The Senate amendment contained a provision (sec. 1426) that would limit the amount of the fee increase for a resident of the Armed Forces Retirement Home as of April 9, 2018, of those fees scheduled to increase on October 1, 2018, to 50 percent of the fees payable by such resident.

The House bill contained no similar provision.

The House recedes with an amendment that would require incremental fee increases over a 3-year period such that the total fee for residents of the Home at the end of that period would cover the cost of care of such residents. The amendment would prohibit any future increases in fees after October 1, 2018, until 90 days after the date on which a report on the increase is submitted to the Committees on Armed Services of the Senate and the House of Representatives.

Subtitle C—Other Matters

Authority for transfer of funds to joint Department of Defense-Department of Veterans Affairs medical facility demonstration fund for Captain James A. Lovell Health Care Center, Illinois (sec. 1421)

The House bill contained a provision (sec. 1411) that would authorize the Secretary of Defense to transfer $113.0 million from the Defense Health Program to the joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund, created by section 1704 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84) for the operations of the Captain James A. Lovell Federal Health Care Center.

The Senate amendment contained an identical provision (sec. 1431).

The conference agreement includes this provision.

Economical and efficient operation of working capital fund activities (sec. 1422)

The Senate amendment contained a provision (sec. 1432) that would direct the Department of Defense to implement workload plans that optimize the efficiency of the workforce operating within a working capital fund activity and reduce the rate structure.

The House bill contained no similar provision.

The House recedes with an amendment that would add a requirement to optimize the rate structure.

Consolidation of reporting requirements under the Strategic and Critical Materials Stock Piling Act (sec. 1423)

The Senate amendment contained a provision (sec. 1411) that would amend section 11 of the Strategic and Critical Materials Stock Piling Act (50 U.S.C. 98h–2) to consolidate reporting requirements.

The House bill contained no similar provision.

The House recedes.

Quarterly briefing on progress of chemical demilitarization program (sec. 1424)

The House bill contained a provision (sec. 1413) that would require the Secretary of Defense to provide quarterly briefings to the congressional defense committees on the progress of the chemical demilitarization program. Additionally, this section would eliminate certain semiannual written reports.

The Senate amendment contained no similar provision.

The Senate recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

National Defense Sealift Fund

The House bill contained a provision (sec. 1406) that would authorize appropriations for the National Defense Sealift Fund.

The Senate amendment contained no similar provision.

The House recedes.

Findings

The House bill contained a provision (sec. 5001) that would express the findings of Congress regarding strategic and critical minerals production.

The Senate amendment contained no similar provision.

The House recedes.

Definitions

The House bill contained a provision (sec. 5002) that would define certain terms pertaining to strategic and critical minerals production.

The Senate amendment contained no similar provision.

The House recedes.

Improving development of strategic and critical materials

The House bill contained a provision (sec. 5003) that would require that a domestic mine that provides strategic and critical min-

erals be considered an infrastructure project, as described in Executive Order No. 13807.

The Senate amendment contained no similar provision.

The House recedes.

Responsibilities of the lead agency

The House bill contained a provision (sec. 5004) that would establish the responsibilities of the lead government entity during the permitting process.

The Senate amendment contained no similar provision.

The House recedes.

Federal Register process for mineral exploration and mining projects

The House bill contained a provision (sec. 5005) that would require the Secretary of the Interior or the Secretary of Agriculture, as applicable, to ensure that the Federal Register notice associated with the issuance of a mineral exploration or mine permit includes the required information.

The Senate amendment contained no similar provision.

The House recedes.

Secretarial Order not affected

The House bill contained a provision (sec. 5006) that would exclude any mineral describe in Secretarial Order 3324 from this division.

The Senate amendment contained no similar provision.

The House recedes.

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

Subtitle A—Authorization of Additional Appropriations

Purpose (sec. 1501)

The House bill contained a provision (sec. 1501) that would establish the purpose of this title and make authorization of appropriations available upon enactment of this Act for the Department of Defense, in addition to amounts otherwise authorized in this Act, to provide for additional authorization of funds due to overseas contingency operations and other additional funding requirements.

The Senate amendment contained a similar provision (sec. 1501).

The Senate recedes.

Procurement (sec. 1502)

The House bill contained a provision (sec. 1502) that would authorize additional appropriations for procurement at the levels identified in section 4102 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1503).

The House recedes.

Research, development, test, and evaluation (sec. 1503)

The House bill contained a provision (sec. 1503) that would authorize additional appropriations for research, development, test, and evaluation at the levels identified in section 4202 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1504).

The House recedes.

Operation and maintenance (sec. 1504)

The House bill contained a provision (sec. 1504) that would authorize additional appropriations for operation and maintenance programs at the levels identified in section 4302 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1505).

The House recedes.

Military personnel (sec. 1505)

The House bill contained a provision (sec. 1505) that would authorize additional appropriations for military personnel at the levels identified in section 4402 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1506).

The House recedes.

Working capital funds (sec. 1506)

The House bill contained a provision (sec. 1506) that would authorize additional appropriations for Defense Working Capital Funds at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1507).

The House recedes.

Drug interdiction and counter-drug activities, defense-wide (sec. 1507)

The House bill contained a provision (sec. 1507) that would authorize additional appropriations for Drug Interdiction and Counter-Drug Activities, Defense-Wide, at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1508).

The House recedes.

Defense inspector general (sec. 1508)

The House bill contained a provision (sec. 1508) that would authorize additional appropriations for the Office of the Inspector General at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1509).

The House recedes.

Defense health program (sec. 1509)

The House bill contained a provision (sec. 1509) that would authorize additional appropriations for the Defense Health Program at the levels identified in section 4502 of division D of this Act.

The Senate amendment contained a similar provision (sec. 1510).

The House recedes.

Subtitle B—Financial Matters

Treatment as additional authorizations (sec. 1511)

The House bill contained a provision (sec. 1511) that would state that amounts authorized to be appropriated by this title are in addition to amounts otherwise authorized to be appropriated by this Act.

The Senate amendment contained an identical provision (sec. 1521).

The conference agreement includes this provision.

Special transfer authority (sec. 1512)

The House bill contained a provision (sec. 1512) that would authorize the transfer of up to $4.5 billion of additional war-related funding authorizations in this title among the accounts in this title.

The Senate amendment contained a similar provision (sec. 1522) that would allow the Secretary of Defense to transfer up to $3.5 billion.

The House recedes.

Overseas contingency operations (sec. 1513)

The Senate amendment contained a provision (sec. 1502) that would designate authorization of appropriations in this section as Overseas Contingency Operations.

The House bill contained no similar provision.

The House recedes.

Subtitle C—Other Matters

Joint Improvised-Threat Defeat Organization (sec. 1521)

The Senate bill contained a provision (sec. 1531) that would reauthorize the Joint Improvised-Threat Defeat Organization (JIDO) to reflect the expiration of the Joint Improvised-Threat Defeat Fund.

The House bill contained a similar provision (sec. 1522).

The House recedes with an amendment that would require the Secretary of Defense to submit a transition plan for JIDO with respect to transition from overseas contingency operations funding to base funding. This plan is to be submitted to the congressional defense committees no later than March 1, 2019.

Enduring costs funded through overseas contingency operations (sec. 1522)

The House bill contained a provision (sec. 1524) that would direct the Secretary of Defense to submit with the annual President's budget request an estimate for the costs of operations currently

supported in part or in whole by overseas contingency operations (OCO) funds that are likely to continue beyond such contingency.

The Senate amendment contained a similar provision (sec. 1003) that would require the Under Secretary of Defense (Comptroller) to submit a report that outlines the changes to the Office of Management and Budget OCO criteria and lists the exact figure amounts by project or activity that are shifted from OCO to base funding for the fiscal year 2020 budget request.

The Senate recedes with an amendment to combine both provisions. The provision requires the Under Secretary of Defense (Comptroller) to submit a report to the congressional defense committees, two weeks after the submission of the President's budget request, an estimate of any enduring costs which are funded through OCO funds, and a detailed description of any costs that have been transferred from OCO to base funds.

Comptroller General report on use of funds provided by overseas contingency operations (sec. 1523)

The House bill contained a provision (sec. 1525) that would direct the Comptroller General of the United States to submit to the congressional defense committees a report on how funds authorized to be appropriated for fiscal year 2018 for overseas contingency operations were obligated.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

LEGISLATIVE PROVISIONS NOT ADOPTED

Separate account lines for overseas contingency operations funds

The House bill contained a provision (sec. 1523) that would direct the Secretary of Defense and the Director of Management and Budget to establish separate accounts for overseas contingency operations funds.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that section 1524 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) required the Department of Defense to provide updated guidelines regarding the budget items that may be covered by overseas contingency operations funds. The conferees await the results of this report due in August 2018. Furthermore, the conferees anticipate that the results of the first full financial audit will contain a recommendation for the Department of Defense to identify receipt of base appropriations separately from overseas contingency operations appropriations. The conferees recommend the Department of Defense begin work to implement these controls.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

Subtitle A—Space Activities

Improvements to acquisition system, personnel, and organization of space forces (sec. 1601)

The House bill contained a provision (sec. 1601) that would direct the Deputy Secretary of Defense to develop a plan to establish an alternative acquisition system for defense space acquisitions, including with respect to space vehicles, ground segments, and terminals. The provision would also require the Secretary of the Air Force to develop and implement a plan to increase the number and improve the quality of the civilian and military space cadre within the Air Force and establish a new numbered Air Force responsible for space warfighting operations. Finally, the provision would establish a subordinate unified command for space under U.S. Strategic Command that would be responsible for joint space warfighting operations.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would remove the requirement for a numbered Air Force and remove the requirement to implement the plan for cadre development.

Modifications to Space Rapid Capabilities Office (sec. 1602)

The Senate amendment contained a provision (sec. 1601) that would clarify and update the structure of the Space Rapid Capabilities Office.

The House bill contained no similar provision.

The House recedes with technical and clarifying amendments.

Rapid, responsive, and reliable space launch (sec. 1603)

The House bill contained a provision (sec. 1602) that would amend section 2273(b) of title 10, United States Code, to include consideration of rapid, responsive, and reliable space launches for national security space programs and re-name the Evolved Expendable Launch Vehicle program the National Security Space Launch program. It would also require the Secretary of Defense to consider both reusable and expendable launch vehicles for any solicitations on or after March 1, 2019, and require the Secretary to notify the appropriate congressional committees 60 days before issuing any solicitation for which reusable launch vehicles are not deemed eligible. Finally, the provision would require the Secretary to conduct a risk and cost impact analysis for launch vehicles for national security payloads, and submit such analysis to the appropriate congressional committees no later than 180 days from the date of enactment of this Act.

The Senate amendment contained a provision (sec. 1605) that would require the Secretary of Defense to pursue a strategy that includes fully or partially reusable launch systems as part of ensuring assured access for national security payloads to space. It would make the same change in name as the House provision and require the Secretary to submit a report to Congress no less than 60 days before any solicitation for procurement of launch services is issued.

The Senate recedes with several technical amendments and an amendment that would require the Secretary to notify the appropriate congressional committees not later than 10 days after issuing a solicitation for a contract for space launch services for which reusable launch vehicles are not eligible, rather than 60 days before.

The conferees encourage the Secretary to continue to develop a process to evaluate and certify launch vehicles using previously flown components or systems for national security space launch.

Provision of space situational awareness services and information (sec. 1604)

The House bill contained a provision (sec. 1603) that would terminate on January 1, 2024, the authority of the Department of Defense (DOD) to provide space situational awareness data to commercial and foreign entities. The provision would further require the Secretary of Defense to enter into a contract with a federally funded research and development center (FFRDC) to assess which department or departments should assume these authorities. This provision would also direct the Secretary of Defense to develop and submit to Congress a plan to ensure that one or more departments may provide space situational awareness services to non-U.S. Government entities.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would strike the requirement for a contract with an FFRDC and instead require the President to submit to the appropriate congressional committees no later than 180 days from the date of enactment of this Act a plan for a department or agency other than the DOD to provide space situational awareness services and information to commercial and foreign entities.

Budget assessments for national security space programs (sec. 1605)

The House bill contained a provision (sec. 1604) that would extend the requirement for an annual report on the budget for national security space programs to fiscal year 2021 and allow the Secretary of Defense to submit the report up to 30 days after the date on which the President submits the budget request to Congress.

The Senate amendment contained no similar provision.

The Senate recedes.

Improvements to commercial space launch operations (sec. 1606)

The Senate amendment contained a provision (sec. 1604) that would prohibit the imposition by the Secretary of Defense of requirements duplicative of those imposed by the Secretary of Transportation under chapter 509 of title 10, United States Code. The provision would allow the Secretary of Defense to waive this prohibition if he determines that imposing a requirement is necessary to avoid negative consequences for the national security space program.

The House bill contained no similar provision.

The House recedes with a technical amendment and an amendment that would grant the above waiver authority to the Secretary

of the Air Force, with a requirement to notify the Secretary of Transportation first.

Space warfighting policy, review of space capabilities, and plan on space warfighting readiness (sec. 1607)

The House bill contained a provision (sec. 1612) that would require the Secretary of Defense to develop and commence implementation of a plan that identifies joint mission-essential tasks for space as a warfighting domain.

The Senate amendment contained a provision (sec. 1602) that would require the Secretary of Defense to develop a space warfighting policy not later than March 29, 2019. The provision would also direct the Secretary of Defense to conduct a review relating to the national security space enterprise, including resiliency, attribution challenges, deterrence, acquisition cycles, organizational structures, and emerging threats.

The House recedes with amendments that would incorporate the plan required by the House provision into the Senate provision, both due not later than March 29, 2019, and modify several of the specific requirements of the review required by the Senate provision. The conferees also encourage coordination with the Director of National Intelligence as the review is conducted and this policy is developed.

The conferees note that national security satellites face growing threats from potential adversary attacks, such as anti-satellite weapons or jamming, and from environmental hazards, such as orbital debris. A single launch failure, on-orbit problem, or attack on a single satellite could result, in some cases, in the loss of billions of dollars of investment and a significant loss of capability. Protecting space assets has therefore become a priority for the Department, and funding for space protection has increased in recent years.

Accordingly, the conferees direct the Comptroller General of the United States to conduct a review of space protection programs of the Department of Defense, including a review of the status of the primary space protection acquisition efforts underway or planned by the Department. The conferees are also interested in the extent to which these efforts and plans are coordinated across the Department and among other government, commercial, and international entities.

The conferees direct the Comptroller General to provide a briefing to the congressional defense committees no later than March 15, 2019, with a report to follow by a date agreed at the time of the briefing.

Use of small- and medium-size buses for strategic and tactical satellite payloads (sec. 1608)

The House bill contained a provision (sec. 1606) that would require the Secretary of Defense to provide a briefing on the risks, benefits, and cost savings associated with using small- and medium-size buses for strategic and tactical satellite payloads for protected satellite communications programs and next-generation overhead persistent infrared systems. The provision would also require the Director of Cost Assessment and Program Evaluation

(CAPE) to certify that future analyses of alternatives include materiel solutions for using small- and medium-size buses. Finally, this provision would require the Secretary of Defense, Secretary of the Air Force, and the Chairman of the Joint Chiefs of Staff to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives, not later than 240 days after the date of the enactment of this Act, on alternative space-based architectures using small-, medium-, and large-size buses.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would specify that the CAPE assessments should be submitted at completion of each relevant analysis of alternatives, and that the briefing provided by the Secretary of Defense should also take into account requirements for radiation hardening of critical components.

Enhancement of positioning, navigation, and timing capacity (sec. 1609)

The House bill contained a provision (sec. 1605) that would require the Secretary of the Air Force to ensure that military Global Positioning System user equipment terminals have the capability to receive trusted signals from the Galileo and QZSS satellite constellations, starting with increment 2. This provision would also require the terminals to have the capability to receive non-allied positioning, navigation, and timing signals if the Secretary of Defense determines that the benefits outweigh the risks or the risks can be appropriately mitigated.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would allow the Secretary of Defense to waive the requirement for increment 2 terminals to receive signals from Galileo and QZSS satellites if he determines it necessary for national security. The Secretary would not be able to delegate such waiver authority below the level of the Deputy Secretary of Defense and would be required to submit a report with the waiver providing rationale for why the capability was not incorporated into increment 2, and providing a plan and timeline for incorporation of the capability in future increments.

Designation of component of Department of Defense responsible for coordination of modernization efforts relating to military-code capable GPS receiver cards (sec. 1610)

The House bill contained a provision (sec. 1607) that would require the Secretary of Defense to designate a component of the Office of the Secretary of Defense to be responsible for coordinating common solutions for the military-code modernization efforts among the military departments, Defense Agencies, and other appropriate elements of the Department of Defense not later than 30 days after the date of enactment of this Act. The provision would also require the Secretary to submit a report no later than March 15, 2019, and annually through 2021, on these efforts.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees appreciate the efforts of the Council on Oversight of the Department of Defense Position, Navigation, and Timing Enterprise to support military-code modernization efforts thus

far and encourage the Secretary to draw on the expertise of the Council.

Designation of component of Department of Defense responsible for coordination of hosted payload information (sec. 1611)

The House bill contained a provision (sec. 1608) that would make a series of findings and require the Secretary of Defense to designate a component of the Department of Defense to be responsible for coordinating information, processes, and lessons learned relating to use of commercially hosted payloads across the military departments, Defense Agencies, and other appropriate elements of the Department of Defense not later than 30 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would strike the findings.

Limitation on availability of funds for Joint Space Operations Center mission system (sec. 1612)

The House bill contained a provision (sec. 1609) that would prohibit the obligation or expenditure of any funds for fiscal year 2019 for the Joint Space Operations Center Mission System (JMS) and limit obligation or expenditure of 25 percent of funds for fiscal year 2019 for the Enterprise Space Battle Management Command and Control program until the Deputy Secretary of Defense provides to the congressional defense committees a certification that the Secretary of the Air Force has entered into a contract to operationalize commercial space situational awareness processing software to address warfighter requirements and fill gaps in current space situational awareness capabilities.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the limitation on funds for JMS to 50 percent and require the Secretary of the Air Force to submit the certification, rather than the Deputy Secretary of Defense.

Evaluation and enhanced security of supply chain for protected satellite communications programs and overhead persistent infrared systems (sec. 1613)

The House bill contained a provision (sec. 1610) that would require the Secretary of Defense to develop a plan for and conduct evaluations of supply chain vulnerabilities for protected satellite communications and next-generation overhead persistent infrared (OPIR) systems, and develop risk mitigation strategies for the identified vulnerabilities. The provision would also require the Secretary to establish requirements to carry out the supply chain vulnerability evaluation and submit such requirements to the congressional defense committees not later than 120 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

The conferees note that the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) contained a similar provision, section 1659, that required the Secretary of Defense to

evaluate supply chain vulnerabilities for programs related to nuclear weapons, nuclear command, control, and communications, continuity of government, and ballistic missile defense. The conferees encourage the Secretary to leverage work done in support of that requirement where appropriate, and do not intend for this provision to supersede section 1659.

The conferees note that the Air Force is currently planning to use an accelerated acquisition process to rapidly develop a block of next generation OPIR satellites, with fielding to begin in fiscal year 2025, and a follow-on block in fiscal year 2030. While this program is mainly intended to focus on core survivable strategic missile warning requirements, it is unclear whether and how it will satisfy other requirements, including those addressed by the legacy Space Based Infrared System (SBIRS). It is also unclear how technology development over the past decade will help inform the next generation program.

Accordingly, the conferees direct the Comptroller General of the United States to review the early planning for the next generation OPIR system and associated ground capabilities. The review should assess: 1) What challenges and risks, if any, does the next generation OPIR acquisition effort face, and what, if anything, is being planned to address these challenges and risks? 2) To what extent will the next generation OPIR system continue to fulfill existing key SBIRS capabilities? 3) To what extent is the Air Force coordinating with other agencies inside and outside the Department of Defense, such as the Missile Defense Agency, to help ensure sustainment of current capabilities and limit the potential for duplicative acquisition efforts? 4) To what extent is the Air Force leveraging commercial space industry advances and technology development initiatives to develop a lower cost system sooner?

The Comptroller General shall provide an initial briefing to the congressional defense committees no later than March 15, 2019, with a report to follow at a date to be agreed upon at the time of the briefing.

Report on protected satellite communications (sec. 1614)

The House bill contained a provision (sec. 1611) that would require the Secretary of Defense to submit a report to the congressional defense committees no later than December 31, 2018, on how specific protected satellite communications programs meet the requirements for resilience, mission assurance, and the nuclear command, control, and communication mission of the Department of Defense.

The Senate amendment contained no similar provision.

The Senate recedes.

Report on enhancements to the Global Positioning System Operational Control Segment (sec. 1615)

The Senate amendment contained a provision (sec. 1603) that would require the Secretary of the Air Force to submit a report to the congressional defense committees no later than 1 year after date of the enactment of this Act on potential further enhancements to the Operational Control Segment for the Global Positioning System to achieve capabilities similar to the Next Genera-

tion Operational Control Segment, including cybersecurity enhancements and other incremental capabilities. The report would also include the cost and schedule for such additional capabilities and enhancements.

The House bill contained no similar provision.

The House recedes with clarifying amendments.

Report on persistent weather imagery for United States Central Command (sec. 1616)

The House bill contained a provision (sec. 1614) that would require the Secretary of the Air Force to develop a plan to provide persistent weather imagery of the U.S. Central Command area of operations to the Command after 2025. The Secretary would be required to submit such plan to the congressional defense committees by March 1, 2019.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would instead require the Secretary to submit a report with options to provide such imagery.

Study on space-based radio frequency mapping (sec. 1617)

The House bill contained a provision (sec. 1613) that would require the Secretary of Defense and the Director of National Intelligence to jointly conduct a study on the capabilities of the private sector with respect to radio frequency mapping and associated services for space-based electromagnetic collections.

The Senate amendment contained no similar provision.

The Senate recedes with clarifying amendments.

Independent study on space launch locations (sec. 1618)

The House bill contained a provision (sec. 1615) that would require the Secretary of Defense to enter into a contract with a federally funded research and development center (FFRDC) to conduct a study on space launch locations, including with respect to the development and capacity of existing and new locations, and the vulnerabilities of the use of existing and new locations.

The Senate amendment contained no similar provision.

The Senate recedes with several amendments that would clarify the areas of focus of the study and remove the prohibition on entering into a contract with an FFRDC for which the Air Force Space Command or the Launch Center of the National Aeronautical and Space Administration is a sponsor.

The conferees continue to recognize the unique importance of U.S. Federal Aviation Administration-licensed spaceports and, when appropriate, encourage the use of such spaceports and complexes for certain orbits in support of national security space priorities. The conferees note that a variety of spaceports are already operational or in development, including in Georgia, New Mexico, Alaska, Oklahoma, Virginia, Texas, and Arizona; the conferees support this diversification of launch options available to the Department of Defense.

Briefing on commercial satellite servicing capabilities (sec. 1619)

The House bill contained a provision (sec. 1617) that would require the Secretary of Defense, in consultation with the Director of National Intelligence, to jointly provide to the congressional defense committees and to other appropriate committees upon request a briefing detailing the costs, risks, and operational benefits of leveraging commercial satellite servicing capabilities for national security satellite systems.

The Senate amendment contained no similar provision.

The Senate recedes.

Subtitle B—Defense Intelligence and Intelligence-Related Activities

Role of Under Secretary of Defense for Intelligence (sec. 1621)

The House bill contained a provision (sec. 1621) that would amend section 137 of title 10, United States Code, to clarify the responsibilities of the Under Secretary of Defense for Intelligence.

The Senate amendment contained no similar provision.

The Senate recedes with a clarifying amendment.

Security vetting for foreign nationals (sec. 1622)

The House bill contained a provision (sec. 1622) that would authorize the Secretary of Defense to apply additional security reviews to dual citizens seeking positions that require access to highly classified information.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would broaden the provision to vetting, instead of solely clearances, and would involve the Security Executive Agent.

Department of Defense Counterintelligence polygraph program (sec. 1623)

The House bill contained a provision (sec. 1623) that would amend section 1564a of title 10, United States Code, by authorizing the Secretary of Defense to add dual citizens to the Department of Defense counterintelligence polygraph program, for the purposes of assessing risk.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that specifies that this addition will only apply in the case of an authorized investigation.

Defense intelligence business management systems (sec. 1624)

The House bill contained a provision (sec. 1624) that would direct the Chief Management Officer of the Department of Defense to develop and implement standardized business process rules for the planning, programming, budgeting, and execution process for the Military Intelligence Program.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note that insufficient insight into the Military Intelligence Program budget inhibits the congressional oversight of the Military Intelligence Program.

Modification to annual briefing on the intelligence, surveillance, and reconnaissance requirements of the combatant commands (sec. 1625)

The House bill contained a provision (sec. 1625) that would require the Department of Defense to incorporate into the existing report required by section 1626 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) data related to the number of requests for intelligence, surveillance, and reconnaissance capability and capacity submitted to the Chairman of the Joint Chiefs of Staff (CJCS) by the combatant commanders, the number of requests formally validated by the CJCS, the quantity of validated requests tasked to the Services to fulfill, and the amount of validated requests actually fulfilled by the Services.

The Senate amendment contained no similar provision.

The Senate recedes.

Framework on governance, mission management, resourcing, and effective oversight of combat support agencies that are also elements of the intelligence community (sec. 1626)

The Senate amendment contained a provision (sec. 1611) that would require the Secretary of Defense to develop and codify in policy a framework and supporting processes within the Department of Defense to ensure that the missions, roles, and functions of the combat support agencies of the Department of Defense that are also elements of the intelligence community, and other intelligence components of the Department, are appropriately balanced and resourced.

The House bill contained no similar provision.

The House recedes with a clarifying amendment.

Subtitle C—Cyberspace-Related Matters

Reorganization and consolidation of certain cyber provisions (sec. 1631)

The Senate amendment contained a provision (sec. 1624) that would amend part I of subtitle A of title 10, United States Code, by transferring sections 130g, 130j, and 130k, currently of chapter 3, to chapter 19, reorganizing this law under "Cyber Matters" rather than "General Powers and Functions."

The House bill contained no similar provision.

The House recedes.

Affirming the authority of the Secretary of Defense to conduct military activities and operations in cyberspace (sec. 1632)

The Senate amendment contained a provision (sec. 1622) that would affirm the authority of the Secretary of Defense to conduct military activities and operations in cyberspace, including clandestine military activities and operations, to defend the United States, its allies, and its interests, in anticipation of and in response to malicious cyber activities carried out against the United States or a United States person by a foreign power and would clarify that clandestine military activities or operations in cyberspace are tradi-

tional military activities for the purposes of section 503(e)(2) of the National Security Act of 1947 (Public Law 80–253).

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the affirmation does not itself authorize any specific military activities or operations and should not be treated as an authorization for use of military force.

The conferees note that the Department of Defense faces difficulties within the interagency in obtaining mission approval. One of the challenges routinely confronted by the Department is the perceived ambiguity as to whether clandestine military activities and operations, even those short of cyber attacks, qualify as traditional military activities as distinct from covert actions requiring a Presidential Finding. As a result, with respect to actions that produce effects on information systems outside of areas of active hostilities, the Department of Defense has been limited to proposing actions that could be conducted overtly on attributable infrastructure without deniability—an operational space that is far too narrow to defend national interests. The conferees see no logical, legal, or practical reason for allowing extensive clandestine traditional military activities in all other operational domains (air, sea, ground, and space) but not in cyberspace. It is unfortunate that the executive branch has squandered years in interagency deliberations that failed to recognize this basic fact and that this legislative action has proven necessary.

The conferees, in this affirmation, specify that military activities and operations, or associated preparatory actions, conducted in cyberspace, marked by, held in, or conducted with secrecy, and carried out, (1) as part of a military operation plan approved by the President or the Secretary in anticipation of hostilities or as directed by the President or the Secretary, (2) to deter, safeguard, or defend against attacks or malicious cyber activities against the United States or Department of Defense information, networks, systems, installations, facilities, or other assets, or (3) in support of information related capabilities, indeed qualify as traditional military activities. Such activities include those conducted for the purpose of preparation of the environment, force protection, deterrence of hostilities, advancing counterterrorism operations, and in support of information operations or information-related capabilities. Information-related capabilities may include, when appropriate and approved, military deception and psychological operations.

The conferees do not intend or expect that this provision will result in the Department's unnecessarily or routinely conducting clandestine cyber attacks, especially those outside of areas in which hostilities are occurring, but nonetheless recognize that it is important that the Department have the ability to respond to and prepare for hostilities in cyberspace. The conferees urge the Department to pursue more active engagement with and deterrence of adversaries in cyberspace. The conferees also urge the administration to reconfigure its interagency processes as necessary to ensure that the Department's operations are approved in an appropriately efficient and effective manner.

The conferees intend to conduct rigorous oversight of Department of Defense clandestine operations in cyberspace and expect the Department to keep the congressional defense committees apprised of activities and operations and informed regarding operational authorities and associated execute orders.

Finally, the conferees recognize that information operations are particularly contested and controversial. While the conferees agree that the Department should conduct aggressive information operations to deter adversaries, as is recommended by the Defense Science Board's Task Force on Cyber Deterrence in its February 2017 report, the conferees do not intend this affirmation as an authorization of clandestine activities against the American people or of activities that could result in any significant exposure of the American people and media to U.S. government-created information.

Department of Defense Cyber Scholarship Program scholarships and grants (sec. 1633)

The House bill contained a provision (sec. 1640) that would amend section 2200c of title 10, United States Code, to require consideration, in the scholarship granting process authorized in section 2200a of the same title, of whether the candidates in question are pursuing education at historically Black colleges and universities or other minority-serving institutions.

The Senate amendment contained an identical (sec. 6101) provision.

The conference agreement includes this provision.

Amendments to pilot program regarding cyber vulnerabilities of Department of Defense critical infrastructure (sec. 1634)

The House bill contained a provision (sec. 1631) that would modify section 1650 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) to incorporate the Defense Digital Service into pilot program authorities for identifying innovative methodologies and engineering approaches to evaluate vulnerabilities of Department of Defense critical infrastructure. The provision would also extend deadlines associated with the program.

The Senate amendment contained no similar provision.

The Senate recedes.

Modification of acquisition authority of the Commander of the United States Cyber Command (sec. 1635)

The Senate amendment contained a provision (sec. 1627) that would amend section 807 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) by extending the acquisition authority established in that section for the Commander, U.S. Cyber Command, through fiscal year 2025 and raising the limit on obligation and expenditure pursuant to that authority to $250.0 million.

The House bill contained no similar provision.

The House recedes with an amendment that would eliminate the increase of the limit on obligation and expenditure. The conferees direct the Commander, U.S. Cyber Command, to provide, not

later than 180 days after the enactment of this Act, to the congressional defense committees a report detailing the use of this authority to date.

The report shall include an assessment of any impacts of the expenditure limit set on the exercise of this authority on planned Cyber Command acquisition activities, as well as a juxtaposition of the types of cyber-peculiar products, services, and technologies procured using this authority and those cyber capabilities procured by the Services using their acquisition authorities. The report shall also include the definition of cyber-peculiar capabilities and cyber-peculiar services, a description of memoranda of agreements with the Services for acquisition of cyber capabilities, and details regarding the acquisition expertise at U.S. Cyber Command, including the number of senior acquisition executives and contracting officials authorized to be hired at the headquarters.

Policy of the United States on cyberspace, cybersecurity, cyber warfare, and cyber deterrence (sec. 1636)

The Senate amendment contained a provision (sec. 1621) that would establish the policy of the United States with respect to cyberspace, cybersecurity, and cyber warfare.

The Senate amendment contained another provision (sec. 6601) that would amend section 1621 to narrow the policy's prescriptions to only apply to cyber attacks and malicious cyber activities by a foreign power.

The House bill contained no similar provision.

The House recedes with an amendment that would integrate both provisions and would make minor changes to the statement of policy, striking the priorities of the United States in carrying out the policy and the policy on sovereignty in cyberspace. The amendment would also require an update on the Presidential Policy submitted to the Congress pursuant to section 1633 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

The conferees note that the policy submitted to the Congress was incomplete. The 6–page memorandum, written in response to the reporting requirement of the National Defense Authorization Act, introduced a 63-page report written in response to Executive Order 13800. The conferees were disappointed with the former's brevity and the latter's significant number of items to be resolved. The report in sum evinced little consideration of the difficult choices intrinsic to the policy-making process, instead recommending further working groups, task forces, and deliberation for the creation and implementation of a national strategy in cyberspace.

The conferees therefore seek an update on the progress of the core initiatives recommended by report: the establishment of a policy for cost imposition, a menu for consequences, policy-planning guidance, and the Cyber Deterrence Initiative.

In reporting the status of these initiatives, the conferees urge the President to include, to the extent possible and protected by classification, as necessary: (1) the administration's plans, including specific planned actions, regulations, and legislative action required for their development; (2) steps taken to date to prepare for

the imposition of consequences against the Russian Federation, People's Republic of China, Democratic People's Republic of Korea, and the Islamic Republic of Iran in cyberspace (e.g., zero-day discovery, tool-development, and preposition of malware) and through other instruments of national power; and (3) criteria for use of particular consequences, including criteria as to when responsive cyber attacks are likely to be particularly escalatory, as to when, and specifically against which adversaries, responsive cyber attacks are likely to be particularly effective as means of deterrence, and as to when the risk and consequences of escalation due to responsive action outweigh the risk and cost of non-action or action by financial, law enforcement, and diplomatic means alone.

The conferees also urge the President to include the administration's considerations and determinations surrounding: (1) whether all cyber attacks of significant consequence below the threshold of war demand response; (2) whether significant attacks on private sector companies outside of critical infrastructure demand response, including examples of attacks on companies that might beget response; (3) whether, in certain circumstances, the United States should privilege immediacy in response to achieving full technical attribution; (4) under what circumstances the United States should attempt to blunt, render useless, or defeat detected attacks through offensive cyber action in real-time, including examples of such circumstances; (5) how the United States can balance the establishment of stable norms in cyberspace and responsive offensive action, including through diplomatic means; (6) how the United States balances the sovereignty and equities of third-party countries whose infrastructure hosts or accommodates transit of adversary malware, including examples of feasible and infeasible actions; and (7) how the United States balances privacy, freedom of action, and values implicit to a market economy in imposing cybersecurity and disclosure requirements on the private sector, including an assessment of the adequacy of current law and regulations.

Budget display for cyber vulnerability evaluations and mitigation activities for major weapon systems of the Department of Defense (sec. 1637)

The House bill contained a provision (sec. 1632) that would require that the justification materials submitted to the Congress by the Secretary of Defense in support of the President's annual budget request for the Department of Defense include a consolidated display for cyber vulnerability evaluations and mitigation activities for each major weapon system beginning in fiscal year 2021.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would clarify the classification procedures governing this requirement.

The conferees are concerned that the Department has yet to integrate cyber vulnerability evaluations and mitigation activities into the acquisition and budgeting timelines of its major programs. The conferees hope that this provision will encourage the notion that cyber vulnerability evaluations and mitigation activities are standard operation and maintenance. The conferees do not, however, intend this provision to in any way reveal the nature, content,

or severity of discovered vulnerabilities and thus encourage the Department to protect through classification any material that could serve to aid adversaries' discovery of cyber vulnerabilities.

Determination of responsibility for the Department of Defense Information Networks (sec. 1638)

The House bill contained a provision (sec. 1633) that would mandate that the Secretary of Defense transfer all roles, missions, and responsibilities of the Commander, Joint Force Headquarters-Department of Defense Information Networks (JHFQ–DODIN) from the Defense Information Support Agency (DISA) to the Commander, United States Cyber Command, by September 30, 2019, subject to a certification that such transfer would not result in mission degradation.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would eliminate the mandate and would instead require the Secretary of Defense to submit to the congressional defense committees a report assessing the current JFHQ–DODIN command and control structure, the adequacy of DISA's institutional support to the JFHQ–DODIN mission, and JFHQ–DODIN's resource requirements and mission effectiveness. The report would also specify a determination and justification regarding the transfer of all or some of the roles, missions, and responsibilities of JFHQ–DODIN to the Commander, United States Cyber Command, along with a timeline and strategy for mitigating the risk of any such transfer.

Procedures and reporting requirement on cybersecurity breaches and loss of personally identifiable information and controlled unclassified information (sec. 1639)

The House bill contained a provision (sec. 1636) that would require the Secretary of Defense to promptly notify, and establish procedures for notification of, the congressional defense committees in the event of a significant loss of personally identifiable information of at least 250 civilian or uniformed members of the Armed Forces.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would insert an additional notification requirement for the theft, loss, or disclosure of controlled information of significant volume or national security concern.

The conferees are concerned by the recent theft of controlled information from a contractor for the Navy. Similarly troubling, the congressional defense committees were only alerted to this significant breach months after the initial loss. While the conferees understand that extenuating circumstances dictated that senior members of Navy leadership were similarly late to notification of the theft and that the investigation is on-going, this communication delay, both within the Department of Defense and across the branches of government, is unacceptable for a loss of this magnitude. The conferees thus expect the congressional defense committees to be notified, through the procedures established under this provision, of future losses of controlled information and will

continue to exercise their oversight and legislative responsibilities to correct the failures evinced in this incident.

Program to establish cyber institutes at institutions of higher learning (sec. 1640)

The House bill contained a provision (sec. 1637) that would authorize the Secretary of Defense to establish a Cyber Institute at each of the senior military colleges.

The Senate amendment contained a similar provision (sec. 1635) that would authorize the Secretary of Defense to establish a Cyber Institute at any college or university that hosts a Reserve Officers' Training Corps program, with special consideration for the Senior Military Colleges.

The House recedes.

Matters pertaining to the SharkSeer cybersecurity program (sec. 1641)

The House bill contained a provision (sec. 1640A) that would require the Secretary of Defense to submit to the congressional defense committees a report that assesses the transition of the SharkSeer program from the National Security Agency (NSA) to the Defense Information Systems Agency (DISA).

The Senate amendment contained a provision (sec. 1629) that would require the Secretary of Defense to transfer the SharkSeer cybersecurity program from the NSA to the DISA. In executing this transfer, the Secretary would be required to also transfer all funding and, as needed, personnel for the program. The provision would also: fence 10 percent of the funding available for obligation in fiscal year 2019 and subsequent years for NSA's Information Systems Security Program, PE 33140G, until the Principal Cyber Advisor certifies that the operations and maintenance funding for the SharkSeer program for fiscal year 2019 and the subsequent fiscal years of the current future years defense program are available or programmed; require the Secretary of Defense to adopt the SharkSeer "break and inspect" decryption capability as the Department's enterprise solution for endpoint decryption; and authorize an increase of $20.0 million to the $790.2 million requested for the DISA in Procurement, Defense-wide, to increase the bandwidth of the SharkSeer system.

The House recedes with an amendment that would: require the transfer of the operations and maintenance for the SharkSeer cybersecurity program from the NSA to the DISA, including any associated funding and, as necessary, personnel; require the Chief Information Officer to submit a report on such transfer, including a plan for continued partnership with the NSA in capability development; and strike the funding authorization.

Active defense against the Russian Federation, People's Republic of China, Democratic People's Republic of Korea, and Islamic Republic of Iran attacks in cyberspace (sec. 1642)

The Senate amendment contained a provision (sec. 1623) that would authorize the National Command Authority to direct the Commander, U.S. Cyber Command, to take appropriate and proportional action through cyberspace to disrupt, defeat, and deter

systematic and ongoing attacks by the Russian Federation in cyberspace. The provision would direct the Secretary of Defense, using the results of the surveillance conducted through CYBERCOM, also authorized in the provision, to work with social media companies on a voluntary basis to assist those companies in identifying accounts created by personnel and organizations engaged at the behest of or in support of the Russian Federation and that violate the companies' terms of service.

The Senate amendment contained another provision (sec. 6601) that would amend section 1623 to narrow the authorization to only apply to foreign cyberspace.

The House bill contained no similar provision.

The House recedes with an amendment that would synthesize the two provisions, add authorizations for action against the People's Republic of China, the Democratic People's Republic of Korea, and the Islamic Republic of Iran, strike the explicit authorization of surveillance, and add a rule of construction governing the authorization.

The conferees have been disappointed with the past responses of the executive branch to adversary cyberattacks and urge the President to respond to the continuous aggression that we see, for example, in Russia's information operations against the United States and European allies in an attempt to undermine democracy. The administration's passivity in combatting this campaign, as documented repeatedly in hearings before the congressional defense committees in the past 2 years, in the judgment of numerous executive branch officials, will encourage rather than dissuade additional aggression. The Congress has worked diligently to ensure that the Department possesses the necessary capabilities and authorities to combat, in particular, these Russian information operations, and this authorization represents further progress toward that objective. The conferees strongly encourage the President to defend the American people and institutions of government from foreign intervention.

The conferees are also cognizant of the significant cyber threats posed by the People's Republic of China, the Democratic Republic of Korea, and the Islamic Republic of Iran and urge the President to take action to disrupt, defeat, and deter the systematic cyber attacks.

Designation of official for matters relating to integrating cybersecurity and industrial control systems within the Department of Defense (sec. 1643)

The Senate amendment contained a provision (sec. 1625) that would require the Secretary of Defense to designate one official as responsible for the integration of cybersecurity and industrial control systems within the Department of Defense, to include the development of Department-wide standards for integration of industrial control systems and the potential applicability of frameworks set forth by the National Institute of Standards and Technology and similar organizations.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the official would only be responsible for industrial control systems

owned by the Department of Defense or operated on behalf of the Department of Defense.

Assistance for small manufacturers in the defense industrial supply chain and universities on matters relating to cybersecurity (sec. 1644)

The Senate amendment contained a provision (sec. 1626) that would require the Secretary of Defense, acting through the Chief Information Officer and Under Secretary of Defense for Research and Engineering, to improve awareness of cybersecurity threats among small- and medium-sized manufacturers in the defense industrial supply chain, including via: the development of cybersecurity self-assessments to enhance firms' understanding of network vulnerabilities and the Department's cybersecurity standards; the transfer of appropriate cybersecurity technology and techniques developed in the Department of Defense to these businesses; and the establishment of a cyber counseling certification program.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of Defense, acting through the Chief Information Officer and Under Secretary of Defense for Research and Engineering, to improve awareness of cybersecurity threats among universities, in addition to small- and medium-sized manufacturers, in the defense industrial supply chain and to establish a broader cybersecurity activity for the defense industrial base as needed.

Email and Internet website security and authentication (sec. 1645)

The Senate amendment contained a provision (sec. 1628) that would require the Secretary of Defense to implement the requirements of the Binding Operational Directive 18–01, issued by the Secretary of the Department of Homeland Security on October 16, 2017, unless the Secretary certifies that existing or planned security measures exceed the requirements of the directive.

The House bill contained no similar provision.

The House recedes with an amendment that would eliminate the specification of actions to be undertaken as part of the implementation of Binding Operational Directive 18–01 and would add the governmental affairs committees of the Senate and House of Representatives as recipients of the certification.

The conferees note that Binding Operational Directive 18–01 required the following actions, all accepted practices across the private and public sectors: (1) The adoption of the START Transport Layer Security protocol for encryption; (2) Enforcement of Sender Policy Framework, Domain Keys Identified Mail, and Domain-based Message Authentication, Reporting & Conformance for email authentication; and (3) Implementation of Hypertext Transfer Protocol Strict Transport Security.

Security product integration framework (sec. 1646)

The Senate amendment contained a provision (sec. 1631) that would require the Assistant Secretary of Defense for Homeland Defense and Global Security, the Chief Information Officer, and the Commander, U.S. Cyber Command, to select a network or network segment and associated computer network defense service provider

to conduct a demonstration and evaluation of one or more existing security product integration frameworks, including through modification of network security systems to enable such systems to ingest, publish, subscribe, tip and cue, and request information or services from each other.

The House bill contained no similar provision.

The House recedes with an amendment that would strike the findings.

The conferees note that: (1) The Department of Defense requires a standard, enterprise-wide, security product integration framework that provides a machine-to-machine data exchange architecture and protocol to achieve interoperability and automated orchestration and coordinated action between and among cybersecurity services, devices, appliances, agents, applications, tools, and command and control centers; (2) Information security products and services need to be engineered to consume and act on information, direction, and cues from other security elements on a network through this framework; (3) A security product integration framework should ideally be non-proprietary or designed as a modular open system; and (4) A security integration framework is essential to achieve the speed, scale, and agility of response required for cyber warfare and to reduce the cost and time needed to integrate new products and services into the existing security environment.

Information security continuous monitoring and cybersecurity scorecard (sec. 1647)

The Senate amendment contained a provision (sec. 1633) that would prohibit the obligation or expenditure of funds for the Cybersecurity Scorecard after October 1, 2019, unless the Department of Defense is implementing by that date a funded program pursuant to section 1653 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) to fulfill the requirements established by the Chief Information Officer and the Commander, U.S. Cyber Command, in the Information Security Continuous Monitoring Strategy, Comply-to-Connect Strategy, Enterprise Patch Management Service Strategy and Concept of Operations, and User Activity Monitoring Strategy. The provision would also require the Director of Cost and Program Evaluation to submit to the congressional defense committees a report comparing the Department's requirements for information security continuous monitoring and the comply-to-connect capabilities deployed by the Department of Homeland Security and the General Services Administration.

The House bill contained no similar provision.

The House recedes with an amendment that would add a requirement for a review and validation of the Department of Defense's current information security continuous monitoring requirements and policies to the report.

Tier 1 exercise of support to civil authorities for a cyber incident (sec. 1648)

The Senate amendment contained a provision (sec. 6602) that would require the Commander, U.S. Cyber Command, the Commander, U.S. Northern Command, and other commanders or components of the Department of Defense as the Secretary of Defense

considers appropriate to conduct a tier 1 exercise of support to civil authorities for a cyber incident.

The House bill contained no similar provision.

The House recedes.

Pilot program on modeling and simulation in support of military homeland defense operations in connection with cyber attacks on critical infrastructure (sec. 1649)

The Senate amendment contained a provision (sec. 1630) that would require the Assistant Secretary of Defense for Homeland Defense and Global Security to carry out a pilot program on modeling and simulation in support of military homeland defense operations through U.S. Northern Command and U.S. Cyber Command. The pilot program would be based on the results and lessons learned from ongoing research exercises involving local government, industry, and military responses to combined natural disasters and cyber attacks on critical infrastructure. The provision would authorize $10.0 million for this pilot.

The House bill contained no similar provision.

The House recedes with an amendment that would generalize the program through adjustment to its scope, would eliminate its required execution through the combatant commands, and would eliminate the authorization.

Pilot program authority to enhance cybersecurity and resiliency of critical infrastructure (sec. 1650)

The House bill contained a provision (sec. 1634) that would authorize the Secretary of Defense, in coordination with the Secretary of Homeland Security, to provide technical cyber personnel to the Department of Homeland Security (DHS) to enhance cooperation, collaboration, and unity in government efforts in support of the protection of critical infrastructure.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note the Department of Defense's (DOD) ongoing efforts to coordinate with the DHS and expect to see such collaboration continue in the future. In particular, the conferees fully support cooperative strategy development and policy-making to ensure that the DOD and the DHS maintain complementary roles and responsibilities and pursue mutually beneficial policies in the realm of cybersecurity. Therefore, the conferees urge the DOD to place the personnel as part of this pilot program in: DHS's Office of Strategy, Policy, and Plans; the office of the Director, Strategy, Policy, and Plans in the National Protection and Programs Directorate (NPPD); and the NPPD's National Cybersecurity and Communications Integration Center.

Pilot program on regional cybersecurity training center for the Army National Guard (sec. 1651)

The House bill contained a provision (sec. 1635) that would authorize the Secretary of the Army to carry out a pilot program to establish a National Guard cyber security training center for members of the Army National Guard for interagency and cross-society cyber education.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment that establishes a sunset for the authorization.

Cyberspace Solarium Commission (sec. 1652)

The Senate amendment contained a provision (sec. 1634) that would establish the Cyberspace Solarium Commission, tasked with developing a strategic approach to protecting and advancing the United States' advantages in cyberspace. The Commission would weigh the benefits and costs of various strategic frameworks (e.g., deterrence, norms-based regimes, and cyber persistence), evaluate the sufficiency of the current allocation of resources in cyberspace, and consider potential realignments in governmental structure and authorities.

The House bill contained no similar provision.

The House recedes with an amendment that would adjust the scope of the Commission, tasking it with developing consensus on a strategic approach to defending the Nation in cyberspace against cyber attacks of significant consequences and making a series of technical changes regarding the structure, authorities, and limitations of the Commission.

Study and report on reserve component cyber civil support teams (sec. 1653)

The House bill contained a provision (sec. 1638) that would require the Secretary of Defense and the Secretary of Homeland Security to conduct a study on the feasibility and advisability of establishing cyber civil support teams comprising Reserve Component members, primarily operating under the command and control of the Governor of each State, to prepare for and respond to cyber incidents, cyber emergencies, and cyber attacks.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require additional considerations in the study.

The conferees note that establishment of cyber civil support teams may have significant impacts on, or conflict with, current roles, responsibilities, policies, and resources of agencies and entities in cyberspace and seek greater clarity on these impacts.

Identification of countries of concern regarding cybersecurity (sec. 1654)

The Senate amendment contained a provision (sec. 1638) that would require the Secretary of Defense to create a prioritized list of countries of concern related to cybersecurity based on their governments' hostility, intelligence activity, criminal activity, and willingness and ability to disrupt the U.S. government's supply chain.

The House bill contained no similar provision.

The House recedes with an amendment that would adjust the criteria for inclusion on the list.

Mitigation of risks to national security posed by providers of information technology products and services who have obligations to foreign governments (sec. 1655)

The Senate amendment contained a provision (sec. 1637) that would establish definitions for subsequent provisions relating to the establishment of a program to mitigate the risks derivative of foreign governments' code review of information technology products used by the Department of Defense.

The Senate amendment contained another provision (sec. 1639) that would prohibit the Department of Defense's use of any information technology, cybersecurity, industrial control system, weapons system, or computer antivirus system unless the provider discloses to the Secretary of Defense: (1) whether it has allowed a foreign government to review or access a product custom-developed for the Department of Defense or is under any obligation to provide a foreign person or government with access or review of such a product; (2) whether it has allowed a government listed in the report required by section 1638 of the Senate amendment to review or access the source code of a product, system, or service that the Department is using or intends to use or is under any obligation to do so; and (3) whether it holds or has sought a license pursuant to the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations, or successor regulations, for information technology products, components, software, or services.

The Senate amendment contained another provision (sec. 1640) that would require the Secretary of Defense to establish a registry containing the information on foreign governments required by section 1638 of the Senate amendment and on providers of information technology products and services required by section 1639 of the Senate amendment, to be made available to any agency conducting a procurement pursuant to the Federal Acquisition Regulations and Defense Federal Acquisition Regulations.

The House bill contained no similar provision.

The House recedes with an amendment that would: integrate the three provisions (sec. 1637, 1639, and 1640), make a series of technical changes surrounding the use of "non-commercial" vice "custom-developed"; limit the disclosure requirements to code-sharing or code-sharing agreements that occurred within 5 years prior to enactment; exempt products, services, and systems procured or acquired prior to enactment from the non-use requirement; exempt open-source software; and require the Secretary of Defense to issue regulations governing the implementation of this non-use.

While the conferees believe that this provision is a necessary step toward minimizing the supply chain risk posed by companies like Kaspersky, the conferees urge the Secretary to take actions to minimize the potential injury of the non-use requirement, to both the Department and industry.

The conferees recognize that, absent the required regulations, the non-use requirement is all-encompassing and thus encourage the Secretary to exempt from this requirement any product, system, or service if: (1) Its source code has been exported pursuant

to a license or license exception granted under the Export Administration Regulations (15 C.F.R. §§ 730–774); (2) It is not itself, and is not a component of, a National Security System; (3) It is not a cybersecurity tool, system, or application or does not have a built-in cybersecurity tool, system, or application; or (4) It is subjected only to a de minimis disclosure under restricted access conditions, as defined by the Secretary. The conferees also urge the Secretary to exempt any further products, systems, and services and implement this provision so as to minimize supply chain risk and advance national security.

The conferees also note that the information required to be disclosed to the Department in the provision is: (1) generally considered commercial information; (2) obtained from a person; and (3) most likely confidential. Therefore, the conferees expect that exemption 4 of section 552(b) of title 5 will likely apply to information obtained under this provision.

Report on Cybersecurity Apprentice Program (sec. 1656)

The House bill contained a provision (sec. 1640B) that would require the Secretary of Defense to submit to the congressional defense committees a report on the feasibility of establishing a Cybersecurity Apprentice Program to support on-the-job training for certain cybersecurity positions and to facilitate the acquisition of cybersecurity certifications.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note the Department's experimental use of recruitment, retention, and training techniques particular to cyber personnel, both civilians and servicemembers. The conferees, however, are also interested in the possibility of applying traditional on-the-job training, such as those that already exist in the Services' "apprentice and journeymen" programs, throughout the Department for cyber jobs. The conferees see potential for apprentice programs for enlisted and civilian members of the Armed Forces as a means to improve operational capability.

Report on enhancement of software security for critical systems (sec. 1657)

The Senate amendment contained a provision (sec. 1632) that would require the Assistant Secretary of Defense for Homeland Defense and Global Security and the Chief Information Officer to conduct a technical and cost-benefit study of the merits of applying in the vulnerability assessments and remediation of critical systems fuzzing technology, formal programming, and the binary analysis and symbolic execution software security tools developed under the Cyber Grand Challenge program of the Defense Advanced Research Projects Agency.

The House bill contained no similar provision.

The House recedes with an amendment that would expand the scope of the study to include other advanced or immature technologies.

Subtitle D—Nuclear Forces

Under Secretary of Defense for Research and Engineering and the Nuclear Weapons Council (sec. 1661)

The House bill contained a provision (sec. 1641) that would add the Under Secretary of Defense for Research and Engineering as a member of the Nuclear Weapons Council and make a technical correction elsewhere in section 179 of title 10, United States Code.

The Senate amendment contained no similar provision.

The Senate recedes.

Long-range standoff weapon requirements (sec. 1662)

The House bill contained a provision (sec. 1642) that would allow the Secretary of the Air Force to retire the conventionally-armed AGM–86C and require the Secretary to ensure that a conventionally-armed long-range standoff weapon (LRSO) achieves initial operating capability (IOC) not later than 4 years after the nuclear-armed LRSO achieves IOC.

The Senate amendment contained a provision (sec. 1642) that would allow the Secretary to retire the conventionally-armed AGM–86C and require the Secretary to begin procurement and fielding of a conventionally-armed LRSO not more than 5 years after the nuclear LRSO completes initial operational test and evaluation.

The Senate recedes with an amendment that would change the deadline from 4 years to 5 years after the nuclear-armed LRSO achieves IOC.

Acceleration of ground-based strategic deterrent program and long-range standoff weapon program (sec. 1663)

The House bill contained a provision (sec. 1643) that would require the Under Secretary of Defense for Acquisition and Sustainment, in consultation with the Secretary of the Air Force, to develop and implement plans to accelerate the development, procurement, and fielding of the Ground Based Strategic Deterrent (GBSD) program and the Long-Range Standoff cruise missile program. For the GBSD, the provision would require the plans, when executed, to recapitalize the full intercontinental ballistic missile system without phasing or splitting the program. For both programs, the provision would require the plans to assess the benefits, risks, feasibility, costs, and cost savings of various options for accelerating the programs.

The Senate amendment contained no similar provision.

The Senate recedes.

Procurement authority for certain parts of intercontinental ballistic missile fuzes (sec. 1664)

The House bill contained a provision (sec. 1644) that would give the Department of Defense the authority to buy certain intercontinental ballistic missile fuze parts.

The Senate amendment contained a similar provision (sec. 1644).

The House recedes.

Prohibition on reduction of the intercontinental ballistic missiles of the United States (sec. 1665)

The House bill contained a provision (sec. 1645) that would prohibit the obligation or expenditure of fiscal year 2019 funds to reduce the responsiveness, alert level, or quantity of deployed U.S. intercontinental ballistic missiles to fewer than 400. The provision would provide an exception to this prohibition for activities related to maintenance and sustainment and activities to ensure safety, security, or reliability.

The Senate amendment contained no similar provision.

The Senate recedes.

Extension of prohibition on availability of funds for mobile variant of ground-based strategic deterrent missile (sec. 1666)

The House bill contained a provision (sec. 1646) that would extend through fiscal year 2020 the prohibition on the obligation or expenditure of funds to retain the option for, or to develop, a mobile variant of the Ground-Based Strategic Deterrent missile.

The Senate amendment contained no similar provision.

The Senate recedes.

Exchange program for nuclear weapons program employees (sec. 1667)

The Senate amendment contained a provision (sec. 1643) that would require the Chairman of the Nuclear Weapons Council and the Administrator of the National Nuclear Security Administration (NNSA) to jointly establish a program to exchange civilian and military personnel on a temporary basis between the offices of the Department of Defense working on nuclear weapons policy, production, and force structure issues and the Office of the Deputy Administrator for Defense Programs at the NNSA.

The House bill contained no similar provision.

The House recedes.

The conferees note that the provision requires the Chairman and the Administrator to provide interim guidance to the congressional defense committees on the implementation of this program not later than 90 days from the date of enactment of this Act, and to implement such guidance not later than 180 days from the date of enactment. The conferees note that a similar initiative could also benefit nuclear nonproliferation efforts across the NNSA and the Department of Defense. Therefore, the conferees direct the Chairman and the Administrator to provide not later than 90 days from the date of enactment a plan to establish a similar program focused on nonproliferation programs in the future.

Plan to train officers in nuclear command, control, and communications (sec. 1668)

The Senate amendment contained a provision (sec. 1645) that would require the Secretary of Defense, in consultation with the Secretary of the Air Force, the Secretary of the Navy, and the Chairman of the Joint Chiefs of Staff, to develop a plan to train, educate, manage, and track field-grade military officers in nuclear command, control, and communications. The provision would require the Secretary to submit the plan to the congressional defense

committees no later than 180 days from the date of enactment of this Act.

The House bill contained no similar provision.

The House recedes with an amendment that would require to the Secretary to develop the plan in consultation with the Commander, U.S. Strategic Command, in addition to the other officials described above.

Independent study on options to increase Presidential decision-time regarding nuclear weapons employment (sec. 1669)

The House bill contained a provision (sec. 1647) that would require the Secretary of Defense to enter into a contract with a federally funded research and development center to conduct a study on the potential benefits and risks of reducing the role of the launch-under-attack option in U.S. nuclear weapons planning.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would strike the findings and modify the requirement to a report on options to increase presidential decision-time related to employment of each leg of the nuclear triad.

Extension of annual report on plan for the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system (sec. 1670)

The House bill contained a provision (sec. 1648) that would amend section 1043 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81) to extend the requirement by 3 years, through fiscal year 2022, for the annual report on the nuclear weapons stockpile, nuclear weapons complex, nuclear weapons delivery systems, and nuclear weapons command and control system.

The Senate amendment contained a provision (sec. 1647) that would extend the same reporting requirement by 5 years, through fiscal year 2024.

The House recedes with an amendment that would extend the requirement by 4 years, through fiscal year 2023.

Plan for alignment of acquisition of warhead life extension programs and delivery vehicles for such warheads (sec. 1671)

The Senate amendment contained a provision (sec. 1646) that would require the Chairman of the Nuclear Weapons Council to provide a proposal to better align acquisition of National Nuclear Security Administration (NNSA) warhead life extension programs with Department of Defense nuclear weapons delivery vehicle programs, and submit that plan to the congressional defense committees no later than February 15, 2019.

The House bill contained no similar provision.

The House recedes.

The conferees encourage the Chairman of the Nuclear Weapons Council to review work underway by the Government Accountability Office on alignment between the NNSA and the Air Force for the Long-Range Standoff Weapon to help inform implementation of this provision.

Annual report on development of long-range stand-off weapon (sec. 1672)

The Senate amendment contained a provision (sec. 6605) that would require the Secretary of the Air Force, in coordination with the Administrator for Nuclear Security, to submit on a semi-yearly basis through December 2024 to the congressional defense committees a report describing the joint development of the long-range stand-off weapon, including the missile developed by the Air Force and the W80–4 warhead life extension program conducted by the National Nuclear Security Administration.

The House bill contained no similar provision.

The House recedes with amendments that would modify the deadlines such that the first report would be due not later than February 1, 2019, and annually thereafter until Milestone B approval is achieved. The amendments would also require the Secretary to coordinate with the Under Secretary of Defense for Acquisition and Sustainment in addition to the Administrator and to include the most recent estimated program acquisition cost when available.

Sense of Congress on nuclear posture of the United States (sec. 1673)

The House bill contained a provision (sec. 1649) that would express the sense of Congress regarding the nuclear posture of the United States.

The Senate amendment contained a provision (sec. 1649) that would make a series of findings and express the sense of the Senate on the 2018 Nuclear Posture Review.

The Senate recedes with amendments that would include elements of both provisions.

Subtitle E—Missile Defense Programs

Development of persistent space-based sensor architecture (sec. 1675)

The House bill contained a provision (sec. 1661) that would direct the Director of the Missile Defense Agency (MDA), in coordination with the Director of National Intelligence, the Commander of Air Force Space Command, and the Commander of U.S. Strategic Command, to complete a plan and initiate development in fiscal year 2019 for a space-based missile defense sensor architecture. This provision would limit obligation or expenditure of funds to initiate the space-based missile defense layer program until the plan is submitted to Congress.

The Senate amendment contained a provision (sec. 1660C) that would require the Director of the MDA to commence development of a persistent space-based sensor architecture capable of supporting the ballistic missile defense system, notwithstanding the outcome of the Missile Defense Review. The provision would also require that the Secretary of Defense submit a report, no later than 90 days after the date of enactment of this Act, to the congressional defense committees on the progress of and coordination between MDA, the Defense Advanced Research Projects Agency (DARPA), and Air Force efforts in this area.

The Senate recedes with an amendment that would require MDA's efforts to develop a space-based sensor architecture for missile defense to be compatible with ongoing efforts within DARPA. Additionally, the amendment would reduce the funding limitation to 15 percent and would require such authorization to be subject to the availability of appropriations.

Boost phase ballistic missile defense (sec. 1676)

The House bill contained a provision (sec. 1662) that would require the Director of the Missile Defense Agency to begin a program in fiscal year 2019 to develop boost phase intercept capabilities that are either air-launched or ship-based, are cost-effective, and include a kinetic interceptor.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require such authorization to be subject to the availability of appropriations and remove subsections of the provision that would transfer responsibility from the Under Secretary of Defense for Research and Engineering to the Director of the Missile Defense Agency.

Extension of requirement for reports on unfunded priorities of Missile Defense Agency (sec. 1677)

The House bill contained a provision (sec. 1670) that would require the Director of the Missile Defense Agency to submit a report to the Secretary of Defense, the Chairman of the Joint Chiefs of Staff, and the congressional defense committees on the unfunded priorities of the Missile Defense Agency for fiscal years 2020 and 2021, within 10 days of the submission of the budget requests to Congress for those fiscal years.

The Senate amendment contained a provision (sec. 1653) that would amend section 1696 of the National Defense Authorization Act of Fiscal Year 2017 (Public Law 114–328), removing the sunset requirement for the unfunded priorities list of the Missile Defense Agency.

The House recedes.

Extension of prohibition relating to missile defense information and systems (sec. 1678)

The Senate amendment contained a provision (sec. 1651) that would amend section 130h(e) of title 10, United States Code, by striking "January 1, 2019," and inserting "January 1, 2021," to extend the limitations on providing certain sensitive missile defense information to the Russian Federation and on integrating missile defense systems of the Russian Federation and the People's Republic of China into U.S. missile defense systems.

The House bill contained no similar provision.

The House recedes.

Modification of requirement relating to transition of ballistic missile defense programs to military departments (sec. 1679)

The Senate amendment contained a provision (sec. 1656) that would amend section 1676(b)(2) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to clarify the equivalent of Milestone C approval for the Missile Defense Agency.

The House bill contained no similar provision.

The House recedes.

Modification of requirement to develop a space-based ballistic missile intercept layer (sec. 1680)

The Senate amendment contained a provision (sec. 1660D) that would modify section 1688 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to require the Director of the Missile Defense Agency to commence development of a space-based ballistic missile intercept layer notwithstanding the outcome of the Ballistic Missile Defense Review.

The House bill contained no similar provision.

The House recedes with an amendment that would require that such development be subject to the availability of appropriations.

Improvements to acquisition processes of Missile Defense Agency (sec. 1681)

The House bill contained a provision (sec. 1663) that would require the Under Secretary of Defense for Research and Engineering (USD (R&E)) to transfer all research and development efforts and programs that have not yet reached milestone B to the Missile Defense Agency (MDA) if they are planned to be incorporated into the ballistic missile defense system or have explicit application for ballistic missile or hypersonic defense. Further, the provision would require the Secretary of Defense to notify the congressional defense committees before any changes were implemented to MDA's unique acquisition authorities and/or missile defense requirements generation processes managed by U.S. Strategic Command. This provision would also require that MDA make the quarter and fiscal year for execution of planned flight tests unclassified, and would clarify roles of the Under Secretary of Defense for Acquisition and Sustainment with regards to missile defense decisions on acquisition and production milestone approvals.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the requirement to transfer authority and total obligation authority for research and development programs that have not yet received milestone B approval. The amendment would also change the notification period on changes to non-standard acquisition processes and responsibilities from 180 days to 90 days.

The conferees note multiple efforts across the USD (R&E) portfolio that would likely result in Missile Defense Agency (MDA) programs of record to be integrated within the ballistic missile defense system, including directed energy and hypersonic defense. The conferees direct the Under Secretary to provide a report to the Committees on Armed Services of the House of Representatives and Senate not later than six months after enactment of this act detailing current efforts that will be transitioned from other USD(R&E) organizations to MDA for development through 2023. The report shall include a summary of the efforts and funding required for such programs during the period covered by the future-years defense program as of the date of the plan, and how the transition

will be accomplished and milestones that must be met prior to transfer.

Layered defense of the United States homeland (sec. 1682)

The House bill contained a provision (sec. 1664) that would express the sense of Congress in support of the Department of Defense's efforts to provide layered defense of the homeland and would require the Director of the Missile Defense Agency, in coordination with the Under Secretary of Defense for Policy, the Commander of U.S. Northern Command, and the Commander of U.S. Pacific Command, to provide a briefing to the congressional defense committees by January 31, 2019, on options to increase layered protection of the U.S. homeland, to include the continental United States, Hawaii, and Alaska, from the Democratic People's Republic of Korea and the Islamic Republic of Iran.

The Senate amendment contained a provision (sec. 1658) that would express the sense of the Senate that the United States should pursue regional missile defense assets to counter and deter cruise, short-to-medium-range ballistic, and hypersonic missile threats as well as continue to focus resources on developing an interoperable and integrated air-and-missile defense architecture. The provision would also require the Secretary of Defense to submit to the congressional defense committees, no later than 90 days after the enactment of this Act, a report on the Department of Defense's plan for the creation of a fully interoperable and integrated air and missile defense architecture, if consistent with the recommendations of the Missile Defense Review that commenced in 2017.

The Senate recedes with an amendment that would remove the findings and briefing in the House provision.

Testing of redesigned kill vehicle prior to production and ground-based midcourse defense acceleration options (sec. 1683)

The House bill contained a provision (sec. 1665) that would prohibit, subject to the provided waiver, a lot production decision for the redesigned kill vehicle (RKV) until after a successful flight intercept test.

The Senate amendment contained a provision (sec. 1657) that would express the sense of the Senate that the Missile Defense Agency (MDA) should accelerate the fielding, if technically feasible, of the planned additional 20 ground-based interceptors with RKVs at Fort Greely, Alaska, and ensure that the RKV has demonstrated the ability to accomplish its intended mission through a successful, operationally realistic flight test. The provision would also require the Director of the MDA to submit a report to the congressional defense committees no later than 180 days after the enactment of this Act on the ways that the MDA could accelerate such construction and deployment at Fort Greely.

The Senate recedes with an amendment that would require a report to assess the risks and benefits of accelerating deployment of RKVs at Fort Greely, Alaska.

Requirements for ballistic missile defense capable ships (sec. 1684)

The House bill contained a provision (sec. 1666) that would require the Secretary of the Navy to include ballistic missile defense ship requirements in all future force structure assessments.

The Senate amendment contained no similar provision.

The Senate recedes.

Multiyear procurement authority for standard missile-3 IB guided missiles (sec. 1685)

The House bill contained a provision (sec. 1667) that would authorize the Department of Defense to enter into a multiyear contract for the procurement of Standard Missile-3 Block IB missiles.

The Senate amendment contained a provision (sec. 1652) that would provide authority for the Secretary of Defense to enter into a multiyear contract for the procurement of up to 204 Standard Missile-3 Block IB guided missiles for the fiscal year 2019 through fiscal year 2023 program years, with advance procurement for economic order quantities also beginning in fiscal year 2019, pending the Director of Cost Assessment and Program Evaluation's confirmation of the Secretary of the Navy's preliminary findings as required by section 2306b of title 10, United States Code.

The House recedes with an amendment that would remove the cost analysis requirement.

Limitation on availability of funds for Army lower tier air and missile defense sensor (sec. 1686)

The House bill contained a provision (sec. 1668) that would limit the obligation or expenditure of funds for the Lower Tier Air and Missile Defense Sensor until the Secretary of the Army provides a report detailing the rationale for any delay, should the acquisition strategy propose an initial operating capability later than 2023. The provision would also require the Secretary of the Army to ensure that the performance specifications for the sensor identify certain requirements.

The Senate amendment contained no similar provision.

The Senate recedes.

Missile defense radar in Hawaii (sec. 1687)

The House bill contained a provision (sec. 1669) that would express the sense of Congress on accelerating the deployment of the homeland defense radar in Hawaii and would require alignment of the In-Flight Interceptor Communications System Data Terminal (IDT) with the homeland defense radar in Hawaii by requiring the Director of the Missile Defense Agency to provide a certification that the Department is on schedule to award the contract for the homeland defense radar in Hawaii by December 31, 2018, and that the radar and the IDT will reach initial operating capability not later than fiscal year 2023.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require monthly updates if the Director of the Missile Defense Agency is unable to award the contract for the radar by December 31, 2018.

Iron Dome short-range rocket defense system and Israeli cooperative missile defense program co-development and co-production (sec. 1688)

The House bill contained a provision (sec. 1672) that would express the sense of Congress in support of the 10-year memorandum of understanding, commencing in fiscal year 2019, between the United States and Israel on missile defense cooperation.

The Senate amendment contained a provision (sec. 1654) that would authorize not more than $70.0 million for the Missile Defense Agency to provide to the Government of Israel to procure components for the Iron Dome short-range rocket defense system through co-production of such components in the United States. The provision would also authorize not more than $50.0 million for the Missile Defense Agency to provide to the Government of Israel for the procurement of the David's Sling Weapon System and not more than $80.0 million for the Arrow 3 Upper Tier Interceptor Program, including for co-production of parts and components in the United States by U.S. industry. The provision would allow for the disbursement of these monies following the submission of their respective accompanying certifications.

The House recedes with an amendment that would express the sense of Congress in support of the 10-year memorandum of understanding, commencing in fiscal year 2019, between the United States and Israel on missile defense cooperation.

Acceleration of hypersonic missile defense program (sec. 1689)

The Senate amendment contained a provision (sec. 1659) that would require the Director of the Missile Defense Agency to accelerate the hypersonic missile defense program and deploy that program in conjunction with a persistent space-based missile defense sensor program.

The House bill contained no similar provision.

The House recedes with an amendment that would require such acceleration be subject to the availability of appropriations.

Report on ballistic missile defense (sec. 1690)

The House bill contained a provision (sec. 1671) that would require the Secretary of Defense to submit a report on ballistic missile defense that addresses the implications for planned programs of record, costs and resource prioritization, and strategic stability to the congressional defense committees not later than 30 days after the date of enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the findings and require the report to address new policies that are recommended by the Ballistic Missile Defense Review (BMDR) within 180 days of the completion of the BMDR.

Sense of Congress on allied partnerships for missile defense (sec. 1691)

The Senate amendment contained a provision (sec. 1660) that would express the sense of the Senate that the United States should seek additional opportunities to provide missile defense capabilities to allies and trusted partners and seek to expedite for-

eign military sales in delivering such missile defenses to those partners.

The House bill contained no similar provision.

The House recedes with a technical amendment.

Sense of Congress on testing by Missile Defense Agency (sec. 1692)

The Senate amendment contained a provision (sec. 1660A) that would express the sense of the Senate that tests carried out by the Missile Defense Agency (MDA) that do not achieve their main intended objectives should not be considered failures and that the MDA should recognize the learning value of individual advancements made in all testing events. The provision would also express the sense of the Senate that the MDA should continue to build independently accredited modeling and simulation elements and pursue an increasingly rigorous testing regime in coordination with the Office of the Director, Operational Test and Evaluation to more rapidly deliver capabilities to the warfighter.

The House bill contained no similar provision.

The House recedes with an amendment that would change the sense of Senate to the sense of Congress and remove sections (1) and (2).

Subtitle F—Other Matters

Extension of Commission to Assess the Threat to the United States from Electromagnetic Pulse Attacks and Similar Events (sec. 1695)

The House bill contained a provision (sec. 1681) that would extend several deadlines associated with the Commission to Assess the Threat to the United States from Electromagnetic Pulse Attacks and Similar Events.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would extend all the deadlines associated with the Commission by 1 year.

Procurement of ammonium perchlorate and other chemicals for use in solid rocket motors (sec. 1696)

The House bill contained a provision (sec. 1682) that would require the Secretary of the Army and the Deputy Assistant Secretary of Defense for Manufacturing and Industrial Base Policy to jointly conduct a business case analysis of a government-owned, contractor-operated model for specialty chemicals, including ammonium perchlorate, for use in solid rocket motors, and submit this analysis to the congressional defense committees by March 1, 2019. This provision would also require the Secretary of Defense to use full and open competition in awarding a contract for the sale of ammonium perchlorate from retired solid rocket motors, and to notify the congressional defense committees no later than 30 days after the date of any such award that does not use full and open competition.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove the requirement for full and open competition for the sale of ammonium perchlorate, and instead require the Secretary of Defense to

submit to the congressional defense committees an annual report on rockets or missiles provided to the Department that use a solid rocket motor that was, in whole or in part, recovered or recycled from a rocket motor previously owned by the Department. The report would include an identification of which missiles or rockets use recycled ammonium perchlorate, the quantity of that material, and whether any of the solid rocket propellant or precursor is imported from a foreign country.

The conferees direct the Under Secretary of Defense for Acquisition & Sustainment to provide a briefing to the Armed Services Committees of the Senate and House of Representatives on contracts of the Department for disposal of solid rocket motors, including the value of the ammonium perchlorate contained in these motors and whether, and, if so, how, that value affects the value of the contracts. The briefing should accompany the first report that would be required by this provision.

Budget exhibit on support provided to entities outside Department of Defense (sec. 1697)

The committee recommends a provision that would require the Under Secretary of Defense (Comptroller) to include in the budget justification materials accompanying the President's budget request each year a budget exhibit containing all relevant details on Department of Defense support to the programs at the Executive Office of the President related to senior leader communications and continuity of government programs.

The House bill contained no similar provision.

The House recedes.

Conventional prompt global strike hypersonic capabilities (sec. 1698)

The House bill contained a provision (sec. 1683) that would require the Secretary of Defense to submit to the congressional defense committees a validated requirement for ground-, sea-, or air-launched (or a combination thereof) conventional prompt global strike (CPGS) capabilities by November 20, 2018. The provision would further require the Under Secretary of Defense for Acquisition and Sustainment to submit a report to the congressional defense committees by January 31, 2019, on the plan to deliver a CPGS capability in accordance with section 1693 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would change the deadline for the Secretary of Defense to 180 days from the date of enactment of this Act and make several other technical changes.

Report regarding industrial base for large solid rocket motors (sec. 1699)

The House bill contained a provision (sec. 1684) that would require the Under Secretary of Defense for Acquisition and Sustainment to submit a report to the appropriate congressional committees by April 15, 2019, on whether, and, if so, how, the Federal Government will sustain more than one supplier for large solid

rocket motors. The report would include an assessment of several matters, including risks, costs, and options for sustaining more than one supplier by leveraging various programs of the Department of Defense and the Federal Government.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would remove an interim briefing requirement in the House provision.

The conferees expect the Under Secretary to leverage analysis done in support of the requirement contained in section 1695 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91), which was due on March 1, 2018, and submit both reports promptly. The conferees also expect the Secretary of the Air Force to take into account the anticipated difference in life cycle cost for the ground-based strategic deterrent program when considering options for sustaining more than one supplier for large solid rocket motors, and inform the Congress of that cost difference appropriately.

LEGISLATIVE PROVISIONS NOT ADOPTED

Report on space debris

The House bill contained a provision (sec. 1616) that would require the Secretary of Defense, not later than 240 days after the date of the enactment of this Act, to submit to the Committee on Armed Services and the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Armed Services and Committee on Commerce, Science, and Transportation of the Senate a report on the risks posed by man-made space debris in low-earth orbit.

The Senate amendment contained no similar provision.

The House recedes.

The conferees take seriously the risks posed by man-made space debris in low-earth orbit. Accordingly, the conferees direct the Secretary of Defense to provide a briefing not later than 180 days after the date of enactment of this Act to the Committees on Armed Services of the House of Representatives and the Senate, and upon request to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate. The briefing shall cover the risks posed by man-made space debris in low-earth orbit and plans to remediate such risks in the future.

Prohibition on the availability of funds for Department of Defense assuming background investigation mission for the Federal Government

The House bill contained a provision (sec. 1626) that would prohibit the Department of Defense from assuming the background investigation mission for the entire Federal Government before December 31, 2019.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the administration decision to transfer the background investigation mission for the entire Federal Government introduces significantly increased risk for the Department

of Defense. However, the conferees agree that for the sake of efficiency across the government, this decision is logical. The conferees expect that the Department will continue to pursue its focus on modernizing the background investigation function instead of taking over an existing and outdated process. The conferees are committed to continuing to monitor the Department's progress in taking over this new mission over the coming years.

Establishment of Cybersecurity for Defense Industrial Base Manufacturing Activity

The Senate amendment contained a provision (sec. 1636) that would authorize the Secretary of Defense to, in consultation with the National Institute of Standards and Technology, establish an activity to assess and strengthen the cybersecurity resiliency of the defense industrial base in the United States, including the development of cybersecurity test capabilities, development of training regimes, integration of defense industrial base cybersecurity into research and development roadmaps and threat assessments, and the dissemination of relevant capabilities to address threats to the defense industrial base.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the activity in question is authorized in another provision in this Act.

Inclusion of computer programming and cybersecurity in curriculum of Junior Reserve Officers' Training Corps

The House bill contained a provision (sec. 1639) that would amend section 2200c of title 10, United States Code, to include computer programming and cybersecurity in the curriculum of Junior Reserve Officers' Training Corps program.

The Senate amendment contained no similar provision.

The House recedes.

Metrics for evaluating effectiveness of integrated Ballistic Missile Defense System against operationally realistic ballistic missile attacks

The Senate amendment contained a provision (sec. 1655) that would prohibit the Director of the Missile Defense Agency (MDA) from obligating 50 percent of funds available for the Command and Control, Battle Management and Communications program until the Director of the Missile Defense Agency establishes metrics for evaluating the effectiveness of the integrated Ballistic Missile Defense System and its components and elements against operationally realistic ballistic missile attacks on areas defended by U.S. combatant commands.

The House bill contained no similar provision.

The Senate recedes.

The conferees agree that more insight is needed on the composition of certain missile defense capabilities as they change over time and associated cost and schedule changes. Therefore, the conferees direct the Under Secretary of Defense for Research and Engineering, in coordination with United States Strategic Command, to submit a report to the congressional defense committees, within

90 days of enactment of this Act, on how Government Accountability Office (GAO) report recommendations from GAO–18–324 will be addressed and incorporated into future MDA policy documents to improve technical capability declaration (TCD) and operational capability baseline (OCB) processes to communicate capabilities and limitations when delivering integrated Ballistic Missile Defense spirals. The GAO recommendations to be addressed are as follows: (1) The Under Secretary of Defense for Research and Engineering should ensure that the Director of MDA clarifies, in written policy, the exact requirements process, and key milestones necessary to issue a TCD, including a requirement that the Assessment Requirements Review be held in such a time frame that it can provide meaningful input to MDA's test plans; and (2) The Under Secretary of Defense for Research and Engineering should ensure that the Director of MDA includes in capability delivery packages, such as the TCD memos and OCB change packages, the following: a. The verification, validation, and accreditation status of the models used in operational ground tests; and b. Modeling and simulation limitations that affect operational ground test results.

Sense of the Senate on discrimination for missile defense

The Senate amendment contained a provision (sec. 1660B) that would express the sense of the Senate that prioritizing discrimination capabilities to improve missile defense effectiveness against current and future threats is critically important. The provision would also require the Director of the Missile Defense Agency (MDA) to submit a report no later than 90 days after the date of enactment of this Act describing improvements to discrimination required within the missile defense architecture, MDA's plan to rapidly field advanced discrimination capabilities, and an analysis of efforts to address the discrimination challenges of emerging adversary threats.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Director of MDA to deliver a report to the congressional defense committees, no later than 90 days after the enactment of this Act, to include: (1) Any needed discrimination improvements within the missile defense architecture; (2) MDA's plan to rapidly field advanced discrimination capabilities; and (3) An analysis of efforts to address discrimination challenges against emerging adversary threats, including hypersonic and cruise missiles.

Assessment of electronic warfare capabilities of Russia and China

The Senate amendment contained a provision (sec. 1661) that would require the Director of the Defense Intelligence Agency to conduct a comprehensive assessment of the electronic warfare capabilities of the Russian Federation and People's Republic of China.

The House bill contained no similar provision.

The Senate recedes.

The conferees note this assessment is required elsewhere in this Act.

Development of Electromagnetic Battle Management capability for joint electromagnetic operations

The Senate amendment contained a provision (sec. 1663) that would direct the Electronic Warfare Executive Committee to designate a military Service with the responsibility for acting as executive agent for the development of an Electromagnetic Battle Management capability for joint electromagnetic operations.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Secretary of Defense to provide a report to the Senate and House Committees on Armed Services no later than February 5, 2019, that explains to the committees whether or not a military service within the Department should be designated as executive agent for activities and programs that would enable proper and expedient implementation of Electronic Warfare Battle-Management, and Command and Control (EW BMC2) strategy and policy. If the Secretary determines that a military service should be designated as executive agent for EW BMC2, the Secretary should include which Service should be designated as such and the rationale supporting that recommendation. If the Secretary determines that no military service should be designated as executive agent for EW BMC2, the conferees expect the Secretary to explain in the report how strategy, policy and governance for EW BMC2 will be implemented across the Department and Combatant Commands and which entity will be responsible for its effective implementation.

Report on countermeasures test program

The House bill contained a provision (sec. 1673) that would require the Director of the Missile Defense Agency (MDA) to submit, not later than 60 days after the date of the enactment of this Act, to the congressional defense committees a report on the status of the countermeasures test program.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Director of the MDA to deliver a report to the congressional defense committees on the status of the countermeasures test program no later than 60 days after the enactment of this Act. The report shall include an evaluation and response to the 2010 report by the JASON Defense Advisory Panel titled "MDA Discrimination," numbered JSR–10.620, with regard to the recommendations of that report on forming a countermeasures test program through an independent agency to: (1) Challenge the countermeasure efforts of the MDA; (2) Design countermeasures for the MDA; (3) Simulate such countermeasures against the national missile defense; and (4) As appropriate, in cooperation with the Director, build and test countermeasures in intercept flight tests.

National Intelligence Estimate with respect to Russian and Chinese interference in democratic countries

The House bill contained a provision (sec. 1685) that would direct the Director of National Intelligence to produce a National Intelligence Estimate on Russian and Chinese interference in democratic countries around the world.

The Senate amendment contained no similar provision.

The House recedes.

Briefing on cyber education and training

The Senate amendment contained a provision (sec. 6604) that would require the Secretary of Defense to brief the congressional defense committees on how the Department of Defense can leverage and partner with universities and industry in cyber education and training.

The House bill contained no similar provision.

The Senate recedes.

The conferees direct the Secretary of Defense to brief the congressional defense committees no later than 270 days after the date of the enactment of this Act on how the Department of Defense can partner with and leverage universities and industry in cyber education and training, to include: (1) Current partnerships and the Department's ability to expand and leverage such partnerships to improve cyber education and training; (2) Existing curricula relating to cyber education and training and recommendations for changes to ensure relevance of such education and training to future threats; (3) Joint development of curricula, courseware, and research projects; (4) Joint use of instructors and of facilities; and (5) Recommendations for legislative or administrative action to improve cyber education and training partnerships.

Review of and report on activities of International Space Station

The Senate amendment contained a provision (sec. 1606) that would require the Secretary of Defense, in coordination with the Administrator of the National Aeronautics and Space Administration, to complete a review of each program, activity, and future technology research project of the Department of Defense being carried out on the International Space Station and submit that review to the appropriate congressional committees.

The House bill contained no similar provision.

The Senate recedes.

The conferees appreciate the importance of work conducted on the International Space Station in support of defense priorities and encourage the Secretary to continue to support these programs.

Oversight and management of the command, control, and communications system for the national leadership of the United States

The Senate amendment contained a provision (sec. 1641) that would centralize and clarify responsibility for nuclear command, control, and communications (NC3) by requiring the Secretary of Defense to designate a single individual responsible for strategic portfolio management of these and related programs. The provision would also modify the structure of the Council on Oversight of the National Leadership Command, Control, and Communications System to streamline its functions and make the single individual designated by the Secretary the sole Chair.

The House bill contained no similar provision.

The Senate recedes.

The conferees note that the Chairman of the Joint Chiefs of Staff has recently concluded a review of the governance of NC3 at the Department of Defense. As the recommendations made by the Chairman are implemented by the Commander of U.S. Strategic Command and others, the conferees expect to see clear improvements in lines of authority and decision-making that result in significant, rather than incremental, improvements over the status quo.

TITLE XVII—REVIEW OF FOREIGN INVESTMENT AND EXPORT CONTROLS

Subtitle A—Committee on Foreign Investment in the United States

Short title: Foreign Investment Risk Review Modernization Act of 2018 (sec. 1701)

The Senate amendment contained a provision (sec. 1701) that would establish the short title of this section as "The Foreign Investment Risk Review Modernization Act of 2018."

The House bill contained no similar provision.

The House recedes with an amendment that would establish "The Foreign Investment Risk Review Modernization Act of 2018," the "Export Controls Act of 2018," and the "Anti-Boycott Act of 2018" in sections 1701–1793 of this Act.

"The Foreign Investment Risk Review Modernization Act of 2018" would make updates to terms in the current Committee on Foreign Investment in the United States (CFIUS) statute and add several new terms. Notably, it would expand the purview of CFIUS by explicitly adding four new types of "covered transactions," including: (1) Any non-passive investment by a foreign person in any U.S. business involved in critical infrastructure, the production of critical technologies, or that maintains sensitive personal data that, if exploited, could threaten national security; (2) Any change in a foreign investor's rights regarding a U.S. business; (3) Any other transaction, transfer, agreement or arrangement designed to circumvent or evade CFIUS; and (4) The purchase, lease, or concession by or to a foreign person of certain real estate in close proximity to military or other sensitive national security facilities.

It would also require CFIUS to provide comments on or accept complete written notices within 10 business days of submission in cases where parties stipulate that a transaction is a covered transaction and allow CFIUS to require a written notice and include copies of all related agreements. Further, it would create the concept of declarations and allow the parties to a transaction to stipulate that it is a covered transaction or foreign government-controlled transaction.

This Act would also confirm the circumstances under which CFIUS may unilaterally initiate a review, as well as how a transaction attains "safe harbor" status; give CFIUS extra time to review each transaction by extending the overall review period from 30 days to 45 days with a 15–day period extension for extraordinary circumstances; require CFIUS to establish a mechanism to identify any covered transactions for which a notice or declaration has not been filed and on which information is reasonably avail-

able; provide for greater flexibility regarding the required signatures on certifications regarding transactions; require the Director of National Intelligence, for each National Security Threat Assessment (NSTA), to identify any recognized intelligence collection gaps, update the NSTA upon request by a lead agency for any past cleared transaction involving a mitigation agreement, and submit the NSTA to the Senate Select Committee on Intelligence and House Permanent Select Committee on Intelligence after conclusion of action by CFIUS; enhance collaboration and coordination with U.S. allies and partners by allowing the disclosure of information to any domestic or foreign governmental entity; clarify the 15 day requirement for the President to announce a decision to not later than 15 days after the earlier of the date on which the investigation is completed, or the date on which the Committee otherwise refers the transaction to the President; provide that civil action challenges against CFIUS actions and findings may only be brought in the United States Court of Appeals for the District of Columbia Circuit; instruct CFIUS regulations to provide that any review of a covered transaction should consider the national security factors enumerated in statute, and as appropriate, require parties to provide information necessary to consider such factors; and require each CFIUS member to designate an Assistant Secretary, appointed by the President by and with the advice and consent of the Senate, or the equivalent thereof, to carry out Committee duties. To address national security risks, it would grant CFIUS the authority to suspend a transaction during a review or investigation; use mitigation agreements and conditions to address situations where the parties have chosen to abandon a transaction without a presidential order; and impose interim mitigation agreements and conditions for national security risks posed by completed transactions while they are undergoing CFIUS review. A modification of the annual report and other reporting requirements is also included along with a requirement for implementation plans within 180 days of enactment of this act with a determination by the President as to whether additional resources are required for CFIUS under the expansion of CFIUS' responsibilities in this Act. Finally, a CFIUS Fund would be established and $20.0 million would be authorized for fiscal years 2019 through 2023.

The "Export Controls Act of 2019" would repeal the Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) (as continued in effect pursuant to the International Emergency Economic Powers Act (IEEPA, 50 U.S.C. 1701 et seq.)) other than sections 11A, 11B, and 11C of such Export Administration Act of 1979 (EAA), and would provide transition provisions to preserve the export control rules and regulations until changed or revoked under the new authority established by this title. It would also require the President to establish controls over the export of certain "dual-use" and military items in order to advance the foreign policy and national security of the United States, including a new category of "emerging and foundational technologies". The administration of those controls would be delegated to the Secretary of Commerce, Secretary of Defense, Secretary of State, the Director of National Intelligence, and other appropriate Federal agencies. Subject to inter-agency review, the Department of Commerce would be delegated with au-

thority to issue licenses and other authorization for exports. Consistent with existing law, this export control reform would provide the authority to impose criminal and civil penalties for export control violations. It also would provide robust authority to enforce such controls, including the ability to stop unapproved transfers. Congressional oversight would also be strengthened over these controls. The repeal of the EAA would include transition provisions to ensure that all rules, regulations, orders, determinations, licenses, or other administrative measures established under the EAA, or otherwise enforced through Presidential emergency declaration under IEEPA, would remain in effect unless changed or revoked under the new authority established by this title.

The "Anti-Boycott Act of 2018" would incorporate longstanding current law anti-boycott provisions from the expired Export Administration Act of 1979 (50 U.S.C. 4601 et seq.) continued in effect under IEEPA. It would discourage, and in some circumstances, prohibit U.S. companies from furthering or supporting the boycott of Israel sponsored by the Arab League, or certain other countries, including complying with certain requests for information designed to verify compliance with the boycott.

LEGISLATIVE PROVISIONS NOT ADOPTED

Sense of Congress

The Senate amendment contained a provision (sec. 1702) that would express the sense of the Congress regarding the benefits of foreign investment in the United States and continuing the United States' commitment to open and fair investment policy, the shifting threats to national security and the need to modernize the Committee on Foreign Investment in the United States (CFIUS) and export controls to address those threats, the critical role of CFIUS in protecting national security and need for adequate resources and for more robust international outreach to allies to help them establish their own foreign investment screening regimes, the need to collaborate with allies to develop stronger multilateral export controls, and additional factors CFIUS may consider in reviewing transactions.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Definitions

The Senate amendment contained a provision (sec. 1703) that would amend section 721(a) of the Defense Production Act of 1950 (Public Law 81–774) to update terms pertaining to the Committee on Foreign Investment in the United States (CFIUS) statute and add several new terms. This provision would expand the purview of CFIUS by explicitly adding four new types of covered transactions, including: (1) Any non-passive investment by a foreign person in any U.S. critical technology or critical infrastructure company; (2) Any change in a foreign investor's rights regarding a U.S. business; (3) Any other transaction, transfer, agreement or arrangement designed to circumvent/evade CFIUS; and (4) The pur-

chase, lease, or concession by or to a foreign person of certain real estate in close proximity to military or other sensitive national security facilities. This provision would also allow CFIUS to exempt investments from countries meeting certain criteria from the new covered transactions.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Acceptance of written notices

The Senate amendment contained a provision (sec. 1704) that would amend section 721(b)(1)(c)(i) of the Defense Production Act of 1950 (Public Law 81–774) to update the rules governing the acceptance of written notices.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Inclusion of partnership and side agreements in notice

The Senate amendment contained a provision (sec. 1705) that would amend section 721(b)(1)(C) of the Defense Production Act of 1950 (Public Law 81–774) to require that any written notice or filing to include copies of all related partnership agreements, integration agreements, or other side agreements relating to transactions, including any related to the transfer of intellectual property.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Declarations for certain covered transactions

The Senate amendment contained a provision (sec. 1706) that would amend section 721(b)(1)(C) of the Defense Production Act of 1950 (Public Law 81–774) to create declarations that would serve as light filings, limited to five pages in length, that must be filed in advance of completing the transaction. This provision would allow any party to voluntarily file a declaration as an alternative to submitting a notice and would also require parties to file a declaration for certain investments where a foreign government has a substantial interest.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Stipulations regarding transactions

The Senate amendment contained a provision (sec. 1707) that would amend section 721(b)(1)(C) of the Defense Production Act (Public Law 81–774) to allow all parties to a transaction to stipulate, in a notice or a declaration, that is a covered transaction and, if so, that it is also a foreign government-controlled transaction.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Authority for unilateral initiation of reviews

The Senate amendment contained a provision (sec. 1708) that would amend section 721(b)(1) of the Defense Production Act of 1950 (Public Law 81–774) to confirm the circumstances under which the Committee on Foreign Investment in the United States (CFIUS) may unilaterally initiate a review, as well as how a transaction attains safe harbor status.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Timing for reviews and investigations

The Senate amendment contained a provision (sec. 1709) that would amend section 721(b) of the Defense Production Act of 1950 (Public Law 81–774) to give the Committee on Foreign Investment in the United States (CFIUS) extra time to review each transaction by extending the overall review period from 30 days to 45 days and would authorize CFIUS to extend any investigation for one 30-day period in extraordinary circumstances, at the request of the head of a lead agency.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Monitoring of non-notified and non-declared transactions

The Senate amendment contained a provision (sec. 1710) that would amend section 721(b)(1) of the Defense Production Act of 1950 (Public Law 81–774) to require the Committee on Foreign Investment in the United States to establish a mechanism to identify any covered transactions for which a notice or declaration has not been filed and on which information is reasonably available.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Submission of certifications to Congress

The Senate amendment contained a provision (sec. 1711) that would amend section 721(b)(3)(C) of the Defense Production Act of 1950 (Public Law 81–774) to enhance congressional oversight by requiring the Committee on Foreign Investment in the United States (CFIUS) to submit its certifications regarding transactions to both the Senate Select Committee on Intelligence and House Permanent Select Committee on Intelligence.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Analysis by Director of National Intelligence

The Senate amendment contained a provision (sec. 1712) that would amend section 721(b)(4) of the Defense Production Act of 1950 (Public Law 81–774) to require the Director of National Intelligence, for each National Security Threat Assessment (NSTA), to identify any recognized intelligence collection gaps, update the NSTA upon requirement by a lead agency for any past cleared transaction involving a mitigation agreement, and submit the NSTA to the Senate Select Committee on Intelligence and House Permanent Select Committee on Intelligence after conclusion of action by the Committee on Foreign Investment in the United States.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Information sharing

The Senate amendment contained a provision (sec. 1713) that would amend section 721(c) of the Defense Production Act of 1950 (Public Law 81–774) to enhance collaboration and coordination with United States allies and partners by allowing the disclosure of information to any domestic or foreign governmental entity, under the direction of the chairperson, if necessary for national security and pursuant to appropriate confidentiality and classification arrangements, or when the parties have consented for information to be disclosed to third parties.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Action by the President

The Senate amendment contained a provision (sec. 1714) that would amend section 721(d) of the Defense Production Act of 1950 (Public Law 81–774) to confirm the authority of the President to suspend or prohibit a transition or require divestment when necessary to protect national security.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Judicial review

The Senate amendment contained a provision (sec. 1715) that would amend section 721(e) of the Defense Production Act of 1950 (Public Law 81–774) to clarify that civil action challenges against Committee on Foreign Investment in the United States actions and findings may only be brought in the United States Court of Appeals for the District of Columbia Circuit.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Membership and staff of Committee

The Senate amendment contained a provision (sec. 1716) that would amend section 721(k) of the Defense Production Act of 1950 (Public Law 81–774) to clarify the rules that apply to the appointment and hiring of members and staff of the Committee on Foreign Investment in the United States.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Actions by the Committee to address national security risks

The Senate amendment contained a provision (sec. 1717) that would amend section 721(1) of the Defense Production Act of 1950 (Public Law 81–774) to grant the Committee on Foreign Investment in the United States (CFIUS) the authority to suspend a transaction during a review or investigation, use mitigation agreements and conditions to address situations where the parties have chosen to abandon a transaction without a presidential order, and impose interim mitigation agreements and conditions for national security risks posed by completed transactions while they are undergoing CFIUS review.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Modification of annual report and other reporting requirements

The Senate amendment contained a provision (sec. 1718) that would amend section 721(m) of the Defense Production Act of 1950 (Public Law 81–774) to require the Committee on Foreign Investment in the United States (CFIUS) to include in its annual report a description of the outcomes of any reviews and investigations that year, including whether a mitigation agreement was entered into or condition imposed and whether the President took any action.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Certification of notices and information

The Senate amendment contained a provision (sec. 1719) that would amend section 721(n) of the Defense Production Act of 1950 (Public Law 81–774) to require that each notice submitted to the Committee on Foreign Investment in the United States be accompanied by a written statement from the parties certifying that the notice or information is accurate, complete, and compliant with the rules.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Implementation plans

The Senate amendment contained a provision (sec. 1720) that would require the Secretary of the Treasury and the Secretary of Commerce to develop implementation plans for carrying out relevant sections of this Title and to submit them to Congress within 180 days of enactment of this Act.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Assessment of need for additional resources for Committee

The Senate amendment contained a provision (sec. 1721) that would require the President to determine whether and to what extent the expansion of the Committee on Foreign Investment in the United States' (CFIUS) responsibilities would necessitate additional resources for CFIUS and its members to perform their functions, and include the request for any such additional resources for each member agency in the annual budget requests to Congress.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Funding

The Senate amendment contained a provision (sec. 1722) that would amend section 721 of the Defense Production Act of 1950 (Public Law 81–774) to establish a fund for the Committee on Foreign Investment in the United States.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Centralization of certain Committee functions

The Senate amendment contained a provision (sec. 1723) that would amend section 721 of the Defense Production Act of 1950 (Public Law 81–774) to authorize the Secretary of the Treasury to centralize certain functions of the Committee on Foreign Investment of the United States (CFIUS) to include monitoring non-notified and non-declared transactions, within the Department of Treasury to enhance CFIUS interagency coordination and collaboration.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Conforming amendments

The Senate amendment contained a provision (sec. 1724) that would amend section 721 of the Defense Production Act of 1950 (Public Law 81–774) to make technical and conforming changes to the statute.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Requirements to identify and control the export of emerging and foundational technologies

The Senate amendment contained a provision (sec. 1725) that would establish an interagency process led by the President to identify emerging and foundational technologies that are not currently subject to export controls and would establish an interagency process to control such technologies.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Export control enforcement authority

The Senate amendment contained a provision (sec. 1726) that would enhance and harmonize the Department of Commerce's Bureau of Industry and Security (BIS) export control enforcement authorities with those authorities granted special agents in other law enforcement and investigative agencies by allowing BIS to engage in overseas investigations and undercover penetration activities and also appropriately protects confidentiality of information.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Prohibition on modification of civil penalties under export control and sanctions laws

The Senate amendment contained a provision (sec. 1727) that would amend section 721 of the Defense Production Act of 1950 (Public Law 81–774) that would prohibit the President from modifying any civil penalty implemented by the Government of the United States with respect to a Chinese telecommunications company pursuant to a determination that the company has violated an export control or sanctions law of the United States until the date that is 30 days after the President makes a certification to the appropriate congressional committees.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision elsewhere in this Act.

Under Secretary of Commerce for Industry and Security

The Senate amendment contained a provision (sec. 1728) that would rename the position of the Under Secretary of Commerce for Export Administration to the Under Secretary of Commerce for Industry and Security to more properly align the position title with the organization and role.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Limitation on cancellation of designation of Secretary of the Air Force as Department of Defense Executive Agent for a certain Defense Production Act program

The Senate amendment contained a provision (sec. 1729) that would bar the Department of Defense from making any change to the Secretary of the Air Force acting as the program manager or executive agent under Title III of the Defense Production Act of 1950 (Public Law 81–774) until Congress explicitly authorizes such a change.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Review of and report on certain defense technologies critical to the United States maintaining superior military capabilities

The Senate amendment contained a provision (sec. 1730) that would require a report to Congress, no later than 180 days after the date of the enactment of this Act, from the Secretary of Defense and the Director of National Intelligence on key United States industries and research and development activities critical to maintaining a national security technology capability, where over the next five years it is anticipated a domestic industrial base shortfall will exist and domestic industry cannot or will not provide the needed capacity in a timely manner without assistance authorized in existing statutory authorities enacted for such purposes.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Briefing on information from transactions reviewed by Committee on Foreign Investment in the United States relating to foreign efforts to influence democratic institutions and processes

The Senate amendment contained a provision (sec. 1731) that would require the Secretary of the Treasury, no later than 60 days after the date of enactment of this Act, to provide a briefing to the Committee on Banking, Housing, and Urban Affairs of the Senate and the Committee on Financial Service of the House of Representatives.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Effective date

The Senate amendment contained a provision (sec. 1732) that would establish the date of applicability of the provision contained within this title.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

Severability

The Senate amendment contained a provision (sec. 1733) that would clarify that any provision of this title is held to be invalid, the remaining provisions and the application of that provision to other persons shall not be affected.

The House bill contained no similar provision.

The Senate recedes.

The conferees have addressed this provision in title 17 of this Act.

DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

Summary and explanation of funding tables

Division B of this Act authorizes funding for military construction projects of the Department of Defense. It includes funding authorizations for the construction and operation of military family housing as well as military construction for the reserve components, the defense agencies, and the North Atlantic Treaty Organization Security Investment Program. It also provides authorization for the base closure accounts that fund military construction, environmental cleanup, and other activities required to implement the decisions in base closure rounds. The tables contained in this Act provide the project-level authorizations for the military construction funding authorized in Division B of this Act and summarize that funding by account.

The conferees continue to believe in the value and appropriateness of providing a full authorization but incremental authorization of appropriations for certain military construction projects. The conferees believe incremental funding of large and complex military construction projects enables the Department to execute additional infrastructure projects in a fiscal year, enables continuous congressional oversight, and provides opportunities to adjust the authorization of appropriations level for projects should issues arise or requirements change over the course of construction. In instances where the conference agreement provides full authorization but incremental authorization of appropriations for certain military construction projects, the committee expects the Department to award these projects in the year of authorization and not defer award until the full appropriation amount is received.

Short title (sec. 2001)

The House bill contained a provision (sec. 2001) that would cite division B of this Act as the "Military Construction Authorization Act for Fiscal Year 2019".

The Senate amendment contained an identical provision (sec. 2001).

The conference agreement includes this provision.

Expiration of authorizations and amounts required to be specified by law (sec. 2002)

The House bill contained a provision (sec. 2002) that would designate the authorizations provided in titles XXI through XXVII and title XXIX of this Act to expire on October 1, 2023, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

The Senate amendment contained a similar provision (sec. 2002).

The Senate recedes.

Effective date (sec. 2003)

The House bill contained a provision (sec. 2003) that would provide that titles XXI through XXVII and title XXIX of this Act would take effect on October 1, 2018, or the date of the enactment of this Act, whichever is later.

The Senate amendment contained an identical provision (sec. 2003).

The conference agreement includes this provision.

TITLE XXI—ARMY MILITARY CONSTRUCTION

Summary

The budget request included $1,011,768,000 for Army military construction and $707,169,000 for family housing for fiscal year 2019.

The conference agreement includes authorization of appropriations of $1,170,868,000 for military construction and $707,169,000 for family housing for the Army in fiscal year 2019.

The agreement includes authorization of 4 military construction projects that were not included in the budget request but submitted to the congressional defense committees as part of the Army's unfunded requirements list. These projects include: $50.0 million for a Rotary Wing Parking Apron at Wheeler Army Airfield, Hawaii; $18.0 million for a Microgrid and Power Plant at Fort Campbell, Kentucky; $16.5 million for Cantonment Area Roads at Fort Meade, Maryland; and $9.6 million for a Supply Support Activity at Fort Hood, Texas.

The agreement also includes authorization of $35.0 million for the Secretary of the Army to carry out projects, with prior notification to the congressional defense committees, to enhance force protection and safety. The conferees recommend the Secretary use this authority to alleviate deficiencies in access control points, air traffic control towers, fire stations, and anti-terrorism and force protection.

Finally, the agreement includes $30.0 million for Arlington National Cemetery.

Authorized Army construction and land acquisition projects (sec. 2101)

The House bill contained a provision (sec. 2101) that would contain the list of authorized Army construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended

to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2101).

The House recedes with an amendment.

Family housing (sec. 2102)

The House bill contained a provision (sec. 2102) that would authorize new construction and planning and design of family housing units for the Army for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2102).

The House recedes.

Authorization of appropriations, Army (sec. 2103)

The House bill contained a provision (sec. 2103) that would authorize appropriations for Army military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2103).

The House recedes.

Extension of authorizations of certain fiscal year 2015 projects (sec. 2104)

The House bill contained a provision (sec. 2104) that would extend the authorization of a certain project originally authorized by section 2101 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291) until October 1, 2019, or the date of the enactment of an act authorizing funds for military construction for fiscal year 2020, whichever is later.

The Senate amendment contained an identical provision (sec. 2104).

The conference agreement includes this provision.

Extension of authorizations of certain fiscal year 2016 project (sec. 2105)

The Senate amendment contained a provision (sec. 2105) that would extend the authorization of a project authorized by section 2101 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92) until October 1, 2023, or the date of enactment of an Act authorizing funds for military construction for fiscal year 2024, whichever is later.

The House bill contained no similar provision.

The House recedes with a clarifying amendment that would correct the name of the project to "Arlington National Cemetery (DAR)".

TITLE XXII—NAVY MILITARY CONSTRUCTION

Summary

The budget request included $2,543,189,000 for Navy and Marine Corps military construction and $419,117,000 for family housing for fiscal year 2019.

The conference agreement includes authorization of appropriations of $2,412,859,000 for military construction and $419,117,000 for family housing for the Navy and Marine Corps in fiscal year 2019.

The agreement includes authorization of 13 military construction projects that were not included in the budget request but submitted to the congressional defense committees as part of the Navy and Marine Corps' unfunded requirements list. These projects include: $75.6 million for X-Ray Wharf Improvements (Berth 2) at Naval Base Guam, Guam; $51.3 million for a 2nd Radio BN Complex, Phase 2 at Camp Lejeune, North Carolina; $31.9 million for a Welding and Body Repair Shop Facility at Marine Corps Base Albany, Georgia; $22.3 million for Expeditionary Combat Skills Student Berthing at Naval Construction Battalion Center, Mississippi; $21.8 million for Missile Magazines at Naval Weapons Station Seal Beach, California; $19.7 million for a Consolidated Fire Station at Naval Station Guantanamo Bay, Cuba; $19.5 million for LCS Mission Module Readiness Center at Naval Base San Diego, California; $16.6 million for a Supply Warehouse SOI-West at Camp Pendleton, California; $14.9 million for a Communications Line Ops to Admin at Naval Air Station Lemoore, California; $14.8 million for Missile Motor Magazines and U&SI at Camp Navajo, Arizona; $13.1 million for an Ammunition Supply Point Upgrade, Phase 2 at Marine Corps Base Quantico, Virginia; $10.0 million for an Air Traffic Control Tower (North Field) at Naval Air Station Whiting Field, Florida; and $6.3 million for a Cryogenics Facility at Marine Corps Air Station Beaufort, South Carolina.

The agreement provides for full authorization and incremental authorization of appropriations in an amount equal to the Department's ability to execute in the year of the authorization of appropriations for the following projects: Pier 8 Replacement at Naval Base San Diego, California; Causeway Boat Channel & Turning Basing at Naval Weapons Station Seal Beach, California; Master Time Clock & Operations Facility at the Naval Observatory, District of Columbia; Machine Gun Range at Joint Region Marianas, Guam; Dry Dock #1 Superflood Basin at Portsmouth Naval Yard, Maine; Aircraft Maintenance Hangar at Marine Corps Air Station Cherry Point, North Carolina; Flightline Utility Modernization at Marine Corps Air Station Cherry Point, North Carolina; and the D5 Missile Motor Receipt/Storage Facility at Hill Air Force Base, Utah.

The agreement also includes authorization of $35.0 million for the Secretary of the Navy to carry out projects, with prior notification to the congressional defense committees, to enhance force protection and safety. The conferees recommend the Secretary use this authority to alleviate deficiencies at Navy and Marine Corps installations in access control points, air traffic control towers, fire stations, and anti-terrorism and force protection.

Finally, the agreement does not include authorization of $21.98 million included in the budget request for a TBS Fire Station at Marine Corps Base Quantico, Virginia. The conferees note that this project was authorized in the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) and a subsequent appropriation was included in the Consolidated Appropriations Act, 2018

(Public Law 115–141). The conferees do not believe an additional authorization of appropriation for fiscal year 2019 is required for this project.

Authorized Navy construction and land acquisition projects (sec. 2201)

The House bill contained a provision (sec. 2201) that would contain the list of authorized Navy construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2201).

The House recedes with an amendment.

Family housing (sec. 2202)

The House bill contained a provision (sec. 2202) that would authorize new construction and planning and design of family housing units for the Department of the Navy for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2202).

The House recedes.

Improvements to military family housing units (sec. 2203)

The House bill contained a provision (sec. 2203) that would authorize the Secretary of the Navy to make improvements to existing units of family housing for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2203).

The House recedes.

Authorization of appropriations, Navy (sec. 2204)

The House bill contained a provision (sec. 2204) that would authorize appropriations for Navy military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2204).

The House recedes.

TITLE XXIII—AIR FORCE MILITARY CONSTRUCTION

Summary

The budget request included $1,725,707,000 for Air Force military construction and $395,720,000 for family housing for fiscal year 2019.

The conference agreement includes authorization of appropriations of $1,608,773,000 for military construction and $395,720,000 for family housing for the Air Force in fiscal year 2019.

The agreement includes authorization of 9 military construction projects that were not included in the budget request, but submitted to the congressional defense committees as part of the Air Force's unfunded requirements list. These projects include: $26.0 million for a Composite Aircraft Antenna Calibration Facility at

Hill Air Force Base, Utah; $15.0 million for an AGE Facility at Davis-Monthan Air Force Base, Arizona; $14.2 million for Anti-Terrorism Perimeter Security/Entry Control Point at Rome Lab, New York; $14.0 million for ADAL JPRA C2 Mission Support Facility at Fairchild Air Force Base, Washington; $13.0 million for a Child Development Center at Joint Base Andrews, Maryland; $12.25 million for an Entrance Road and Gate Complex at Barksdale Air Force Base, Louisiana; $9.0 million for a Main Gate at Patrick Air Force Base, Florida; $8.0 million for a MWD Facility at Joint Base Andrews, Maryland; and $7.0 million for Wyoming Gate Upgrade for Anti-Terrorism Compliance at Kirtland Air Force Base, New Mexico.

The agreement provides for full authorization and incremental authorization of appropriations in an amount equal to the Department's ability to execute in the year of the authorization of appropriations for MIT-Lincoln Laboratory (West Lab CSL/MIF) at Hanscom Air Force Base, Massachusetts. In addition, the committee provides full authorization for phase 1 and phase 2 of the ADAL Intelligence Production Complex (NASIC) as a single $182.0 million project at Wright Patterson Air Force Base. The agreement provides incremental authorization of appropriations for the combined project in an amount equal to the Department's ability to execute in the year of the authorization of appropriations.

The agreement also includes authorization of $35.0 million for the Secretary of the Air Force to carry out projects, with prior notification to the congressional defense committees, to enhance force protection and safety. The conferees recommend the Secretary use this authority to alleviate deficiencies in access control points, air traffic control towers, fire stations, and anti-terrorism and force protection.

The agreement transfers the following two military construction projects from the base budget request to Title XXIX, Overseas Contingency Operations Military Construction: Flightline Support Facilities at Al Udeid, Qatar and Personnel Deployment Processing Facility at Al Udeid, Qatar.

Finally, the agreement includes an authorization of appropriation of $129.116 million for the Presidential Aircraft Recap Complex, Increment 2, a reduction of $24.884 million from the budget request for fiscal year 2019. This reflects the additional $24.884 that was provided for this project in the Consolidated Appropriations Act, 2018 (Public Law 115–141), which was signed in to law after the budget request for fiscal year 2019 was submitted.

Authorized Air Force construction and land acquisition projects (sec. 2301)

The House bill contained a provision (sec. 2301) that would contain the list of authorized Air Force construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2301).

The House recedes with an amendment.

Family housing (sec. 2302)

The House bill contained a provision (sec. 2302) that would authorize new construction and planning and design of family housing units for the Air Force for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2302).

The House recedes.

Improvements to military family housing units (sec. 2303)

The House bill contained a provision (sec. 2303) that would authorize the Secretary of the Air Force to make improvements to existing units of family housing for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2303).

The House recedes.

Authorization of appropriations, Air Force (sec. 2304)

The House bill contained a provision (sec. 2304) that would authorize appropriations for Air Force military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2304).

The House recedes.

Modification of authority to carry out certain phased project authorized in fiscal years 2015, 2016, and 2017 (sec. 2305)

The House bill contained a provision (sec. 2305) that would modify the authority provided by section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291), the authority provided by section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92), and the authority provided by section 2301(b) of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328) to authorize the Secretary of the Air Force to modify the location of three previously authorized construction phases of the project.

The Senate amendment contained an identical provision (sec. 2305).

The conference agreement includes this provision.

Modification of authority to carry out certain fiscal year 2017 project (sec. 2306)

The House bill contained a provision (sec. 2306) that would modify the authority provided by section 2301 of the Military Construction Authorization Act for Fiscal Year 2017 (division B of Public Law 114–328) and authorize the Secretary of the Air Force to make certain modifications to the scope and authorized cost of a previously authorized construction project.

The Senate amendment contained an identical provision (sec. 2306).

The conference agreement includes this provision.

Modification of authority to carry out certain fiscal year 2018 project (sec. 2307)

The House bill contained a provision (sec. 2307) that would modify the authority provided by section 2301 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91) and authorize the Secretary of the Air Force to make certain modifications to the scope of a previously authorized construction project.

The Senate amendment contained a similar provision (sec. 2307).

The House recedes.

Additional authority to carry out certain fiscal year 2019 projects (sec. 2308)

The House bill contained a provision (sec. 2308) that would provide the Secretary of the Air Force additional authority to carry out certain fiscal year 2019 projects pursuant to the Defense Laboratory Modernization Pilot Program established by section 2803 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92).

The Senate amendment contained a similar provision (sec. 2308).

The House recedes.

Additional authority to carry out project at Travis Air Force Base, California, in fiscal year 2019 (sec. 2309)

The House bill contained a provision (sec. 2309) that would provide specific authorization for a construction project at Travis Air Force Base.

The Senate amendment contained no similar provision.

The Senate recedes.

TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION

Summary

The budget request included $2,693,324,000 for Air Force military construction and $58,373,000 for family housing for fiscal year 2019.

The conference agreement includes authorization of appropriations of $2,506,728,000 for military construction and $58,373,000 for family housing for the Air Force in fiscal year 2019.

The agreement includes authorization of 6 Energy Resiliency Conservation Investment Program (ERCIP) projects that were not included in the budget request but submitted to the congressional defense committees as part of the Department's unfunded requirements list. These projects include: $20.0 million to Install Microgrid at Anniston Army Depot, Alabama; $6.53 million for a SNI Energy Storage System at Naval Base Ventura, California; $5.5 million to Install Microgrid at Camp Mabry, Texas; $5.34 million for Distribution Switchgear at Joint Reserve Base Naval Air Station New Orleans, Louisiana; $3.5 million for PV/Water Conservation & Energy Resilience at Salina Training Center, Kansas; and $2.52 million for a Super Flight Line Electrical Distribution System (FLEDS) at Naval Air Station Oceana, Virginia.

The agreement provides for full authorization and incremental authorization of appropriations in an amount equal to the Department's ability to execute in the year of the authorization of appropriations for the following projects: Long Range Discrimination Radar System Complex, Phase 2 at Clear Air Force Station, Alaska and Kinnick High School at Yokosuka, Japan.

The agreement provides an authorization of appropriation of $181.0 million for Next NGA West (N2W) Complex Phase 1 Inc. 2, a reduction of $32.6 million from the budget request for fiscal year 2019. This reflects the additional $24.884 that was provided for this project in the Consolidated Appropriations Act, 2018 (Public Law 115–141), which was signed in to law after the budget request for fiscal year 2019 was submitted. In addition, the conferees note that the Office of Management and Budget directed the National Geospatial-Intelligence Agency to hold on awarding this project until receiving full appropriations for both increments, resulting in a self-created cost increase of $7.6 million due to the delay in award. The conferees direct the Department to take all necessary and appropriate actions to award the construction contract to avoid the self-create cost increase.

Finally, the agreement does not include an authorization or authorization of appropriations for the Ambulatory Care Center Addition/Alteration at RAF Croughton, United Kingdom. The conferees note the facility is early-to-need based on an ongoing analysis of alternatives related to a separate military construction requirement. In addition, the agreement does not include an authorization of appropriations for Contingency Construction at Unspecified Worldwide Locations, noting that unobligated balances remain available in the military construction account and other authorities exist to construct projects that are in keeping with a national security interest.

Authorized defense agencies construction and land acquisition projects (sec. 2401)

The House bill contained a provision (sec. 2401) that would contain the list of authorized defense agencies' construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The state list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2401).

The Senate recedes with an amendment.

Authorized energy conservation projects (sec. 2402)

The House bill contained a provision (sec. 2402) that would authorize the Secretary of Defense to carry out energy resilience and conservation projects.

The Senate amendment contained a similar provision (sec. 2402).

The House recedes with an amendment.

The conferees note that in addition to the budget request of $150.0 million, this Act authorizes an additional $43.4 million in

specific projects and an additional $5.0 million in planning and design for a total of $48.4 million.

The specific projects receiving additional authorization are:

1. Anniston Army Depot, AL ($20.0 million);
2. Naval Base Ventura County, CA ($6.5 million);
3. Salina Training Center, KS ($3.5 million);
4. Joint Reserve Base Naval Air Station New Orleans, LA ($5.3 million);
5. Camp Mabry, TX ($5.5 million); and
6. Naval Air Station Oceana, VA ($2.5 million).

Authorization of appropriations, defense agencies (sec. 2403)

The House bill contained a provision (sec. 2403) that would authorize appropriations for defense agencies' military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2403).

The House recedes.

Extension of authorizations of certain fiscal year 2015 projects (sec. 2404)

The House bill contained a provision (sec. 2404) that would extend the authorization of certain projects originally authorized by section 2401 of the Military Construction Authorization Act for Fiscal Year 2015 (division B of Public Law 113–291) until October 1, 2019, or the date of the enactment of an Act authorizing funds for military construction for fiscal year 2020, whichever is later.

The Senate amendment contained a similar provision (sec. 2404).

The Senate recedes.

Authorization of certain fiscal year 2018 project (sec. 2405)

The Senate amendment contained a provision (sec. 2405) that would amend section 2401(a) of the National Defense Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91) by authorizing the Fort Bliss Blood Processing Center for $8,300,000.

The House bill contained no similar provision.

The House recedes.

TITLE XXV—INTERNATIONAL PROGRAMS

Subtitle A—North Atlantic Treaty Organization Security Investment Program

Summary

The budget request included $171,064,000 for military construction in fiscal year 2019 for the North Atlantic Treaty Organization Security Investment Program. In addition, pursuant to agreement with the Republic of Korea, the budget request included a list of military construction projects to be funded as in-kind contributions by the Republic of Korea.

The conference agreement includes this amount for the North Atlantic Treaty Organization Security Investment Program projects

and the authorization to accept the military construction projects funded by the Republic of Korea.

Authorized NATO construction and land acquisition projects (sec. 2501)

The House bill contained a provision (sec. 2501) that would authorize the Secretary of Defense to make contributions to the North Atlantic Treaty Organization Security Investment Program in an amount not to exceed the sum of the amount specifically authorized in section 2502 of this Act and the amount collected from the North Atlantic Treaty Organization as a result of construction previously financed by the United States.

The Senate amendment contained an identical provision (sec. 2501).

The conference agreement contains this provision.

Authorization of appropriations, NATO (sec. 2502)

The House bill contained a provision (sec. 2502) that would authorize appropriations for the North Atlantic Treaty Organization Security Investment Program at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2502).

The House recedes with a technical amendment.

Subtitle B—Host Country In-Kind Contributions

Republic of Korea funded construction projects (sec. 2511)

The House bill contained a provision (sec. 2511) that would authorize the Secretary of Defense to accept 16 military construction projects totaling $518.6 million pursuant to agreement with the Republic of Korea for required in-kind contributions.

The Senate amendment contained an identical provision (sec. 2511).

The conference agreement contains this provision.

TITLE XXVI—GUARD AND RESERVE FORCES FACILITIES

Summary

The budget request included $467,395,000 for military construction of National Guard and Reserve facilities for fiscal year 2019.

The conference agreement includes authorization of appropriations of $647,095,000 for military construction of National Guard and Reserve facilities in fiscal year 2019.

The conference agreement includes authorization of 12 military construction projects that were not included in the budget request but submitted to the congressional defense committees as part of the services unfunded requirements list. These projects include: $42.6 million for a Regional ISO Mx Hangar at Westover Air Reserve Base, Massachusetts; $24.0 million for NORTHCOM—Construct Alert Facilities at Naval Air Station Joint Reserve Base, Louisiana; $24.0 million for HC–130J Mx Hangar at Patrick Air Force Base, Florida; $23.0 million for an ECS Modified TEMF at

Yakima Training Center Washington; $13.0 million for Replace Fire Station at Mansfield Lahm Airport, Ohio; $11.0 million for a Tactical Unmanned Aerial Vehicle Hangar at Boardman, Oregon; $11.0 million for an Aircraft Vehicle Storage Building at Lexington, Oklahoma; $9.4 million for an Aerial Port Facility at Grissom Air Reserve Base, Indiana; $9.0 million to Construct Aircraft Apron at Great Falls International Airport, Montana; $8.8 million for Relocation Main Gate at Youngstown Air Reserve Station, Ohio; $8.0 million to Construct Small Arms Range at Rickenbacker International Airport, Ohio; and $8.0 million to Construct Small Arms Range at Duluth International Airport, Minnesota.

The agreement does not include an authorization of appropriation for a Small Arms Range at Minneapolis-St. Paul International Airport, Minnesota or a Munitions Training/Admin Facility at Naval Air Station Joint Reserve Base Fort Worth, Texas. The conferees note that an authorization and authorization of appropriation were provided for both of these facilities in fiscal year 2018. The conferees do not believe an additional authorization of appropriation for fiscal year 2019 is required for these projects.

Subtitle A—Project Authorizations and Authorization of Appropriations

Authorized Army National Guard construction and land acquisition projects (sec. 2601)

The House bill contained a provision (sec. 2601) that would contain the list of authorized Army National Guard construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2601).

The House recedes with an amendment.

Authorized Army Reserve construction and land acquisition projects (sec. 2602)

The House bill contained a provision (sec. 2602) that would contain the list of authorized Army Reserve construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2602).

The House recedes with an amendment.

Authorized Navy Reserve and Marine Corps Reserve construction and land acquisition projects (sec. 2603)

The House bill contained a provision (sec. 2603) that would contain the list of authorized Navy Reserve and Marine Corps Reserve construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The

State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2603).

The Senate recedes with an amendment.

Authorized Air National Guard construction and land acquisition projects (sec. 2604)

The House bill contained a provision (sec. 2604) that would contain the list of authorized Air National Guard construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2604).

The House recedes with an amendment.

Authorized Air Force Reserve construction and land acquisition projects (sec. 2605)

The House bill contained a provision (sec. 2605) that would contain the list of authorized Air Force Reserve construction projects for fiscal year 2019. The authorized amounts are listed on an installation-by-installation basis. The State list contained in this Act is intended to be the binding list of the specific projects authorized at each location.

The Senate amendment contained a similar provision (sec. 2605).

The House recedes with an amendment.

Authorization of appropriations, National Guard and Reserve (sec. 2606)

The House bill contained a provision (sec. 2606) that would authorize appropriations for the National Guard and Reserve military construction at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2606).

The House recedes.

Subtitle B—Other Matters

Modification of authority to carry out certain fiscal year 2016 project (sec. 2611)

The House bill contained a provision (sec. 2611) that would modify the authority provided by section 2603 of the Military Construction Authorization Act for Fiscal Year 2016 (division B of Public Law 114–92) to authorize the Secretary of the Navy to modify the location of a previously authorized construction project.

The Senate amendment contained an identical provision (sec. 2611).

The conference agreement contains this provision.

Modification of authority to carry out certain fiscal year 2018 project (sec. 2612)

The House bill contained a provision (sec. 2612) that would modify the authority provided by section 2601 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91) to authorize the Secretary of the Army to make certain modifications to the scope of a previously authorized construction project.

The Senate amendment contained a similar provision (sec. 2612).

The Senate recedes.

Additional authority to carry out certain fiscal year 2019 project (sec. 2613)

The House bill contained a provision (sec. 2613) that would authorize the Secretary of the Navy to carry out a military construction project and acquire land at Pittsburgh, Pennsylvania, for the construction of a reserve training center. The Secretary may use available, unobligated Navy military construction reserve funds for the project.

The Senate amendment contained a similar provision (sec. 2613).

The Senate recedes.

TITLE XXVII—BASE REALIGNMENT AND CLOSURE ACTIVITIES

Summary

The budget request included $267,538,000 for Base Realignment and Closure (BRAC) activities related to previous BRAC rounds.

The conference agreement includes authorization of appropriations of $322,868,000 for Base Realignment and Closure (BRAC) activities related to previous BRAC rounds in fiscal year 2019.

Authorization of appropriations for base realignment and closure activities funded through Department of Defense Base Closure Account (sec. 2701)

The House bill contained a provision (sec. 2701) that would authorize appropriations for ongoing activities that are required to implement the base realignment and closure activities authorized by the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101—510), at the levels identified in section 4601 of division D of this Act.

The Senate amendment contained a similar provision (sec. 2701).

The House recedes.

Additional authority to realign or close certain military installations (sec. 2702)

The House bill contained a provision (sec. 2702) that would provide the Secretary of Defense with authority to close or realign a military installation if the Secretary receives notification from the Governor of a State or territory that recommends the realign-

ment or closure of a military installation within the Governor's State or territory.

The Senate amendment contained no similar provision.

The Senate recedes.

Prohibition on conducting additional base realignment and closure (BRAC) round (sec. 2703)

The House bill contained a provision (sec. 2703) that would affirm that nothing in this Act shall be construed to authorize an additional Base Realignment and Closure round.

The Senate amendment contained an identical provision (sec. 2702).

The conference agreement includes this provision.

TITLE XXVIII—MILITARY CONSTRUCTION AND GENERAL PROVISIONS

Subtitle A—Military Construction Program and Military Family Housing

Modification of contract authority for acquisition, construction, or furnishing of test facilities and equipment (sec. 2801)

The Senate amendment contained a provision (sec. 2802) that would amend section 2353(a) of title 10, United States Code, to clarify the authority for the contract of a military department to provide for the acquisition or construction of facilities and equipment, by either the government or the contractor, that the secretary of the military department concerned determines to be necessary for the performance of a contract for research, development, or both.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify that the Secretary of Defense and the secretaries of the military departments shall promulgate regulations necessary to give full force and effect to this section.

Commercial construction standards for facilities on leased property (sec. 2802)

The House bill contained a provision (sec. 2801) that would amend section 2667 of title 10, United States Code, to allow the use of commercial construction standards when a private developer is constructing facilities on military land for commercial use under an enhanced use lease agreement.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would sunset the authority after 5 years.

Congressional oversight of projects carried out pursuant to laws other than Military Construction Authorization Acts (sec. 2803)

The Senate amendment contained a provision (sec. 2805) that would amend section 2802(e)(1) of title 10, United States Code, to include all congressional defense committees in any notification requirements set forth by any law other than a Military Construction Authorization Act.

The House bill contained no similar provision.

The House recedes.

Small business set-aside for contracts for architectural and engineering services and construction design (sec. 2804)

The House bill contained a provision (sec. 2803) that would amend contract thresholds for small business set-asides for architectural and engineering services and construction design.

The Senate amendment contained no similar provision.

The Senate recedes.

Updates and modifications to Department of Defense Form 1391, Unified Facilities Criteria, and military installation master plans (sec. 2805)

The House bill contained a provision (sec. 311) that would amend section 2864 of title 10, United States Code, to require energy and climate resiliency efforts to be considered in installation master plans to ensure the ability to sustain mission-critical operations.

The Senate amendment contained a similar provision (sec. 2811) that would require the Department of Defense Form 1391 to include a disclosure of whether or not a proposed project falls within or partially within a 100-year floodplain and, if so, a specific risk mitigation plan. The provision would also require a process for risk analysis and a report on planned mitigation measures for buildings, require disclosure as to whether a project was included in the prior year's future years defense program, require an energy study or life cycle analysis, amend the United Facilities Criteria to ensure building risk data are incorporated into planned designs and modifications, require consideration of energy and climate resiliency efforts in major military installation master plans, amend the definition of military installation resilience, and include threats to military installation resilience for adjustment and diversification assistance.

The House recedes.

Work in Process Curve charts and outlay tables for military construction projects (sec. 2806)

The Senate amendment contained a provision (sec. 2812) that would require the Secretary of Defense and the service secretaries to include as an addendum to the 1391 forms submitted with the budget request for each fiscal year a Work in Process Curve chart and monthly outlay table for funding, obligations, and outlay figures for any military construction project over $35,000,000.

The House bill contained no similar provision.

The House recedes with a technical amendment that changes the required project threshold from $35,000,000 to $90,000,000.

Extension of temporary, limited authority to use operation and maintenance funds for construction projects outside the United States (sec. 2807)

The House bill contained a provision (sec. 2802) that would provide continued authority for the Secretary of Defense to use funds appropriated for operation and maintenance for military construction to meet temporary operational requirements during a

time of declared war, national emergency, or contingency operation through the end of fiscal year 2019.

The Senate amendment contained a similar provision (sec. 2803) that would extend subsection (h) of section 2808 of the Military Construction Authorization Act for Fiscal Year 2004 from 2019 to 2020 and limit the funding authority to $50.0 million.

The House recedes with a clarifying amendment that limits the total amount allowed to be obligated to $50 million per year for fiscal years 2019 and 2020 limiting the total authority to $100 million.

Authority to obtain architectural and engineering services and construction design for defense laboratory modernization program (sec. 2808)

The House bill contained a provision (sec. 2804) that would amend section 2803 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) to clarify that the Secretary of the military department concerned may use amounts available for research, development, testing, and evaluation funding to obtain architectural and engineering services to carry out a construction project under this authority. This section would also extend the period of the Defense Laboratory Modernization Pilot Program until October 1, 2023.

The Senate amendment contained a similar provision (sec. 2801) that would extend the pilot program for the use of Research, Development, Test, and Evaluation (RDT&E) funds for military construction projects until 2025 and clarify that RDT&E funds may be used to obtain architectural and engineering services and carry out construction design.

The Senate recedes with a technical amendment that would extend the authority until 2025.

Repeal of limitation on certain Guam project (sec. 2809)

The House bill contained a provision (sec. 2805) that would amend section 2879 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) by repealing the requirement that the Secretary of the Navy award five military construction projects prior to awarding the "Replace Andersen Housing Phase II" project.

The Senate amendment contained no similar provision.

The Senate recedes.

Enhancing force protection and safety on military installations (sec. 2810)

The House bill contained a provision (sec. 2806) that would authorize the secretaries of the military departments to carry out military construction projects to enhance force protection and safety on military installations. This section would require a notification to the congressional defense committees prior to obligating or expending funds to carry out a project under this authority.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment.

Limitation on use of funds for acquisition of furnished energy for new medical center in Germany (sec. 2811)

The House bill contained a provision (sec. 2807) that would prohibit the Secretary of Defense or the secretary of any military department from using funds to enter into a contract for the acquisition of energy for the proposed Rhine Ordnance Barracks Army Medical Center until the Secretary of Defense submits certain certifications regarding the source of energy supply and the design of the medical center.

The Senate amendment contained no similar provision.

The Senate recedes.

Subtitle B—Real Property and Facilities Administration

Force structure plans and infrastructure capabilities necessary to support the force structure (sec. 2821)

The House bill contained a provision (sec. 2812) that would require the Secretary of Defense to submit a force structure plan for each military service not later than February 3, 2021, accompanied by a categorical model of installation capabilities required to support force structure and an assessment of the adequacy of the Department of Defense's existing infrastructure inventory to support force structure plans.

The Senate amendment contained no similar provision.

The Senate recedes.

Exemption of Department of Defense off-site use and off-site removal only non-mobile properties from certain excess property disposal requirements (sec. 2822)

The House bill contained a provision (sec. 2811) that would amend section 11411 of title 42, United States Code, to provide the Department of Defense discretion on the reporting of surplus facilities for possible assistance for the homeless.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment that includes a consultation requirement with the Executive Director of the United States Interagency Council on Homelessness prior to any determinations.

Retrofitting existing windows in military family housing units to be equipped with fall prevention devices (sec. 2823)

The House bill contained a provision (sec. 2813) that would amend section 2879 of title 10, United States Code, to authorize the secretaries of the military departments to create a grant program from which privatized housing entities and military installations may request funds to retrofit or install window fall prevention devices in privatized and military-owned housing.

The Senate amendment contained no similar provision.

The Senate recedes.

Updating prohibition on use of certain assessment of public schools on Department of Defense installations to supersede funding of certain projects (sec. 2824)

The House bill contained a provision (sec. 2814) that would freeze a portion of the Public Schools on Military Installations List required in the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328) to ensure that the original top 38 schools do not lose priority due to any reassessment.

The Senate amendment contained no similar provision.

The Senate recedes.

Study of feasibility of using 20-year intergovernmental support agreements for installation-support services (sec. 2825)

The House bill contained a provision (sec. 2815) that would direct each Secretary concerned to conduct a study on the feasibility and desirability of using 20-year intergovernmental support agreements for installation-support services. This section would also require each Secretary to submit a report to the congressional defense committees on the study.

The Senate amendment contained no similar provision.

The Senate recedes.

Representation of installation interests in negotiations and proceedings with carriers and other public utilities (sec. 2826)

The Senate amendment contained a provision (sec. 2835) that would amend section 501(c) of title 40, United States Code, by requiring that any representative of the General Services Administration that will represent a military installation in any negotiation must first notify the senior mission commander of the installation and solicit and represent the interest of the installation as determined by the installation's senior mission commander.

The House bill contained no similar provision.

The House recedes.

Clarification to include National Guard installations in Readiness and Environmental Protection Integration program (sec. 2827)

The Senate amendment contained a provision (sec. 6801) that would clarify that State-owned National Guard installations qualify as military installations under section 2684a of title 10, United States Code.

The House bill contained no similar provision.

The House recedes.

Subtitle C—Land Conveyances

Land exchange, Air Force Plant 44, Tucson, Arizona (sec. 2841)

The House bill contained a provision (sec. 2821) that would grant the Secretary of the Air Force permissive authority to convey 58 acres on Air Force Plant 44, Arizona to Tucson International Airport and the ability to construct new explosives storage facilities to replace the existing facility that would be conveyed with this provision while ensuring that the new explosives storage facilities is within the end-of-runway clear zone.

The Senate amendment contained an identical provision (sec. 2821).

The conference agreement contains this provision.

Authority for transfer of administrative jurisdiction over certain lands, Marine Corps Air Ground Combat Center Twentynine Palms, California, and Marine Corps Air Station Yuma, Arizona (sec. 2842)

The House bill contained a provision (sec. 2822) that would authorize the Secretary of the Navy to transfer acquired State and privately owned lands to the Secretary of the Interior for inclusion as public lands withdrawn and reserved by section 2941 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113–66). This section would also allow the Secretary of the Interior to transfer certain parcels of land at Marine Corps Air Station Yuma to the Secretary of the Navy.

The Senate amendment contained no similar provision.

The Senate recedes.

Environmental restoration and future conveyance of portion of former Mare Island Firing Range, Vallejo, California (sec. 2843)

The House bill contained a provision (sec. 2823) that would require the Secretary of the Navy to restore the former Mare Island firing range.

The Senate bill contained no similar provision.

The Senate recedes.

The conferees note that the restoration of Mare Island does not set a precedence for future land conveyances.

Release of restrictions, University of California, San Diego (sec. 2844)

The Senate amendment contained a provision (sec. 6802) that would allow the Secretary of the Navy to release a parcel of real property consisting of approximately 495 acres to the San Diego campus of the University of California.

The House bill contained no similar provision.

The House recedes with a technical amendment that drops the reversionary clause, as the conveyance requires fair market value to be paid for the property.

Land exchange, Naval support activity, Washington Navy Yard, District of Columbia (sec. 2845)

The House bill contained a provision (sec. 2824) that would authorize the Secretary of the Navy to convey one or more parcels of real property, as determined appropriate by the Secretary to protect the interests of the United States.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Land conveyance, Eglin Air Force Base, Florida (sec. 2846)

The Senate amendment contained a provision (sec. 2822) that would grant the Secretary of the Air Force permissive authority to

convey 80 acres of land adjacent to Eglin Air Force Base to the Air Force Enlisted Village.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Air Force Enlisted Village to pay a fair market value for the specified land.

Public inventory of Guam land parcels for transfer to Government of Guam (sec. 2847)

The House bill contained a provision (sec. 2827) that would require the Secretary of the Navy to establish, maintain, and regularly update an inventory of real property located on Guam owned by the U.S. Government and administered by the Department of the Navy, which the Secretary of the Navy expects to transfer to the Government of Guam. Such inventory shall be available online and accessible to the public and include specific information about each parcel of land included in the inventory. This section would also establish a formal process for the Governor of Guam to petition the Secretary of the Navy to add parcels to the inventory.

The Senate amendment contained no similar provision.

The Senate recedes.

Modification of conditions on land conveyance, Joliet Army Ammunition Plant, Illinois (sec. 2848)

The House bill contained a provision (sec. 2828) that would amend section 2922(c) of the Military Construction Authorization Act for Fiscal Year 1996 (division B of Public Law 104–106) as amended by section 2842 of the Military Construction Authorization Act for Fiscal Year 2000 (Public Law 106–55) to remove the restrictions on the origin of the waste contained in the landfill and to remove the date of closure of the landfill.

The Senate amendment contained no similar provision.

The Senate recedes.

Land conveyance, Naval Academy dairy farm, Gambrills, Maryland (sec. 2849)

The House bill contained a provision (sec. 2829) that would authorize conveyance of 40 acres of land from the United States Naval Academy Dairy Farm to Anne Arundel County, Maryland, contingent on certain conditions and considerations.

The Senate amendment contained no similar provision.

The Senate recedes.

Technical correction of description of Limestone Hills Training Area Land Withdrawal and Reservation, Montana (sec. 2850)

The House bill contained a provision (sec. 2830) that would amend section 2931 of the Military Construction Authorization Act for Fiscal Year 2014 (division B of Public Law 113–66) to adjust the acreage of withdrawn public land in Broadwater County, Montana.

The Senate amendment contained no similar provision.

The Senate recedes.

Land conveyance, Wasatch-Cache National Forest, Rich County, Utah (sec. 2851)

The House bill contained a provision (sec. 2830A) that would direct the Secretary of Agriculture to transfer ownership of 80 acres of public land to the Utah State University Research Foundation, a 501(c)(3) non-profit.

The Senate amendment contained no similar provision.

The Senate recedes.

Commemoration of Freedman's Village (sec. 2852)

The House bill contained a provision (sec. 2830B) that would allow an easement of approximately 0.1 acre of land outside Arlington National Cemetery for the purpose of recognizing Freedman's Village.

The Senate amendment contained a similar provision (sec. 2831) that would allow an easement of no less than 0.1 acre of land outside Arlington National Cemetery and would name the gate for the purpose of recognizing Freedman's Village.

The House recedes.

Subtitle D—Other Matters

Defense community infrastructure pilot program (sec. 2861)

The House bill contained a provision (sec. 2841) that would amend section 2391 of title 10, United States Code, to authorize the Secretary of Defense to make grants, conclude cooperative agreements, and supplement funds available under other Federal programs to assist States and local governments in addressing deficiencies in community infrastructure projects or facilities which are located outside of military installations but which support military installations.

The Senate amendment contained a similar provision (sec. 2834) that would amend section 2391 of title 10, United States Code, by granting the Secretary of Defense permissive authority to make grants, conclude cooperative agreements, and supplement funds to assist State and local governments in addressing deficiencies in community infrastructure. The provision would require that the State or local government contribute not less than 30 percent of the funding for the community infrastructure project. The authority set forth in this provision would expire on September 30, 2023.

The House recedes with a technical amendment that would include a 10–year sunset on the program and amend the reference population of "rural area" in the provision to be consistent with the number of inhabitants below an "urbanized area" as defined by the United States Census Bureau.

The conferees note the importance of the communities that surround and support U.S. military installations and believe that this program can be of tremendous benefit to both the surrounding community and respective installations.

Strategic plan to improve capabilities of Department of Defense training ranges and installations (sec. 2862)

The Senate amendment contained a provision (sec. 2832) that would require the Secretary of Defense, working through the Under Secretary of Defense for Acquisition and Sustainment, to develop a comprehensive strategic plan for using existing authorities to address training constraints to improve operations training capabilities requiring training enablers available in and outside the United States.

The House bill contained no similar provision.

The House recedes with a clarifying amendment that requires the strategic plan to include infrastructure requirements.

Restrictions on use of funds for development of public infrastructure in Commonwealth of Northern Mariana Islands (sec. 2863)

The House bill contained a provision (sec. 2842) that would require the Secretary of Defense to convene an Economic Adjustment Committee meeting and describe assistance necessary to support changes in Department of Defense activities in the Commonwealth of the Northern Mariana Islands in a report to the congressional defense committees. This section would also prohibit the Department of Defense from carrying out any grant, transfer, cooperative agreement, or supplemental funding that will result in the development of public infrastructure unless such project is included in the Economic Adjustment Committee report and specifically authorized by law.

The Senate amendment contained no similar provision.

The Senate recedes.

Study and report on inclusion of Coleman Bridge, York River, Virginia in Strategic Highway Network (sec. 2864)

The House bill contained a provision (sec. 2843) that would require the Commander, U.S. Transportation Command, to review the feasibility of including the George P. Coleman Memorial Bridge near Naval Weapons Station, Yorktown, Virginia, in the Strategic Highways Network and to report his findings to the congressional defense committees not later than 180 days after the date of the enactment of this Act.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment that would strike the findings.

Defense access roads relating to closures due to sea level fluctuation and flooding (sec. 2865)

The House bill contained a provision (sec. 2848) that would amend section 210(a)(1) of title 23, United States Code to include closures due to sea level rise and flooding and would authorize the use of defense access roads funds to pay the cost of repairs as a result of or mitigations to prevent closure due to sea level rise or flooding.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Authority to transfer funds for construction of Indian River Bridge (sec. 2866)

The Senate amendment contained a provision (sec. 2835) that would grant the Secretary of Defense permissive authority to transfer up to 50 percent of the shared costs for the construction of the Indian River Bridge to the Administrator of the National Aeronautics and Space Administration.

The House bill contained no similar provision.

The House recedes.

Plan to allow increased public access to the National Naval Aviation Museum and Barrancas National Cemetery, Naval Air Station Pensacola (sec. 2867)

The Senate amendment contained a provision (sec. 6803) that required the Secretary of the Navy to submit a plan to the congressional defense committees on allowing increased public access to the National Naval Aviation Museum and Barrancas National Cemetery.

The House bill contained no similar provision.

The House recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

Treatment of leases of non-excess property entered into with insured depository institutions

The House bill contained a provision (sec. 2808) that would direct the Secretary concerned to accept financial services provided by an insured depository institution to servicemembers and employees of the Department of Defense as sufficient in-kind consideration to cover all lease, services, and utilities costs assessed with regard to the leased property.

The Senate amendment contained no similar provision.

The House recedes.

Promoting responsible leasing of property

The House bill contained a provision (sec. 2816) that would require the service secretaries to certify that property already owned by the United States that would suit the purpose of the lease is not available before entering into a lease of real property.

The Senate amendment contained no similar provision.

The House recedes.

Reports on buildings and facilities subject to exceptions to accessibility standards

The House bill contained a provision (sec. 2817) that would require each concerned Secretary to submit an annual report for new construction that contains a list of each building or facility that is subject to certain exceptions to accessibility standards.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Secretary of Defense not later than February 1, 2019 to deliver a report to the congressional defense committees listing each building or facility constructed or leased by the Secretary during fiscal years 2014 through 2018 which is sub-

ject to one of the accessibility standard exceptions as follows: (1) The building or facility is leased by the Secretary concerned on a temporary, emergency basis for the use of officials providing disaster assistance; (2) The building or facility is located in a foreign country and is constructed in whole or in part with funds provided by the United States, but the Secretary concerned does not control the design criteria and the building or facility is not required to comply with standards under the Architectural Barriers Act of 1968 (42 U.S.C. 4151 et seq.); (3) The building or facility is located in a foreign country and is leased by the Secretary concerned; (4) The building or facility is subject to a waiver granted by the Principal Deputy Under Secretary of Defense who represents the Department of Defense on the United States Access Board.

Authority for leasing real property at the Naval Air Station Key West, Florida

The House bill contained a provision (sec. 2825) that would authorize the Secretary of the Navy to lease approximately 19 acres at the Naval Air Station Key West, Florida, for the purpose of constructing, operating, improving, and maintaining housing units under such terms as the Secretary considers appropriate.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note the Department already has authority to lease real property that has not been determined excess under title 10 section 2667, United States Code, to include authority to accept types of in-kind consideration. However, the property in question remains in a hopelessly dilapidated and unusable state. The conferees assess that the Department has not managed this particular property in responsible manner, and urges the Department to leverage its entire inventory of surplus but not excess properties in support of sailors, marines, and their families around the world.

Sense of Congress regarding land conveyance, Mountain View, California

The House bill contained a provision (sec. 2826) that would express the sense of Congress that the Secretary of the Army should explore all possible alternatives to a conveyance of Shenandoah Square, including subleasing the property.

The Senate amendment contained no similar provision.

The House recedes.

The conferees note that the Secretary of the Army should explore alternatives to the conveyance of Shenandoah Square, including subleasing the property to an entity that can better develop affordable housing on the property.

Indefinite duration of certain military land withdrawals and reservations and improved management of withdrawn and reserved lands

The House bill contained a provision (sec. 2831) that would amend statutory authority for several military land withdrawals to extend the withdrawals indefinitely. This section would also amend section 670a of title 16, United States Code, to require the Secretary of the Interior and the concerned secretary of a military de-

partment to continuously review such withdrawals and would establish a public comment process regarding the resource management plans and military use of such lands.

The Senate amendment contained no similar provision.

The House recedes.

Designation of potential wilderness area

The House bill contained a provision (sec. 2832) that would allow the Secretary of the Interior to permit a microwave communications site on one acre of land within a federally protected wilderness area.

The Senate amendment contained no similar provision.

The House recedes.

Native American Indian lands environmental mitigation program

The Senate amendment contained a provision (sec. 2833) that would amend section 160 of title 10, United States Code, to authorize the Secretary of Defense to participate in a program to mitigate the environmental effects of defense activities on Indian lands and culturally connected locations.

The House bill contained no similar provision.

The Senate recedes.

Battleship preservation grant program

The House bill contained a provision (sec. 2845) that would establish a grant program within the Department of the Interior for the preservation of historic battleships through fiscal year 2025.

The Senate amendment contained no similar provision.

The House recedes.

Restrictions on rehabilitation of Over-the-Horizon Backscatter Radar Station

The House bill contained a provision (sec. 2846) that would restrict the use of funds or resources to rehabilitate the Over-the-Horizon Backscatter Radar Station, unless those funds or resources are used to remove the perimeter fence surrounding it, until the date of the enactment of the National Defense Authorization Act for Fiscal Year 2020.

The Senate amendment contained no similar provision.

The House recedes.

Modification to First Division Monument

The House bill contained a provision (sec. 2847) that would allow the Society of the First Infantry Division to make modifications to the First Division Monument located on Federal land in Presidential Park in District of Columbia.

The Senate amendment contained no similar provision.

The House recedes.

Modification of boundaries of White Sands National Monument and White Sands Missile Range

The House bill contained a provision (sec. 3549) that would modify the boundaries of the White Sands National Monument. This provision would convey 3,737 acres of land from the Secretary

of the Interior to the Secretary of the Army. This provision would also convey 8,592 acres of land from the Secretary of the Army to the Secretary of the Interior.

The Senate amendment contained a similar provision (sec. 2836) that would establish White Sands National Park and abolish White Sands National Monument. The establishment of a national park would increase the public recognition of the significant resources of White Sands. This provision would modify the boundary of White Sands National Park and convey 3,737 acres of land from the Secretary of the Interior to the Secretary of the Army. This provision would also convey 8,592 acres of land from the Secretary of the Army to the Secretary of the Interior.

The conference agreement does not include either provision.

Fees for medical services

The House bill contained a provision (sec. 6101) that would authorize the Secretary of the Interior to collect fees for medical services provided by National Park Service.

The Senate amendment contained no similar provision.

The House recedes.

Superior National Forest Land Exchange

The Senate amendment contained a provision (sec. 7518) that would allow the Secretary of Agriculture to transfer of approximately 6,650 acres of the National Forest System land within the Superior National Forest to PolyMet Mining, Inc.

The House bill contained no similar provision.

The Senate recedes.

TITLE XXIX—OVERSEAS CONTINGENCY OPERATIONS MILITARY CONSTRUCTION

Summary

The budget request included $921,420,000 for Overseas Contingency Operations military construction for fiscal year 2019.

The conference agreement includes this amount for Overseas Contingency Operations military construction for fiscal year 2019.

The conference agreement does not include an authorization or an authorization of appropriation for a High-Value Detainee Facility at Guantanamo Bay, Cuba. The conferees believe the Department of Defense did not provide sufficient justification for the need to construct a new, permanent facility with increased capacity and capabilities. In addition, the conferees note that while the current facility may not be ideally configured, it is still capable of meeting current and foreseeable detention requirements.

As noted earlier in this report, the agreement transferred the following two military construction projects from the base budget request to Title XXIX, Overseas Contingency Operations Military Construction: Flightline Support Facilities at Al Udeid, Qatar and Personnel Deployment Processing Facility at Al Udeid, Qatar.

Authorized Army construction and land acquisition projects (sec. 2901)

The House bill contained a provision (sec. 2901) that would contain the list of certain authorized Army construction projects for fiscal year 2019. These projects represent a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2901).

The House recedes.

Authorized Navy construction and land acquisition projects (sec. 2902)

The House bill contained a provision (sec. 2902) that would contain the list of authorized Navy construction projects for fiscal year 2019. These projects represent a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2902).

The House recedes.

Authorized Air Force construction and land acquisition projects (sec. 2903)

The House bill contained a provision (sec. 2903) that would contain the list of certain authorized Air Force construction projects for fiscal year 2019. These projects represent a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2903).

The House recedes with an amendment.

Authorized defense agencies construction and land acquisition projects (sec. 2904)

The House bill contained a provision (sec. 2904) that would contain the list of authorized defense agencies' construction projects for fiscal year 2019. These projects represent a binding list of the specific projects authorized at these locations.

The Senate amendment contained a similar provision (sec. 2904).

The House recedes.

Authorization of appropriations (sec. 2905)

The House bill contained a provision (sec. 2905) that would authorize appropriations for Overseas Contingency Operations military construction at the levels identified in section 4602 of division D.

The Senate amendment contained a similar provision (sec. 2905).

The House recedes.

Restrictions on use of funds for planning and design costs of European Deterrence Initiative projects (sec. 2906)

The House bill contained a provision (sec. 2906) that would limit the ability of the secretaries concerned from using any of the amounts authorized to be appropriated for planning and design of

military construction projects requested under the European Deterrence Initiative until the Secretary of Defense submits a list of the military construction projects to support the European Deterrence Initiative that are anticipated during fiscal year 2019 and at least the four succeeding fiscal years.

The Senate amendment contained no similar provision.

The Senate recedes.

DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY AUTHORIZATIONS AND OTHER AUTHORIZATIONS

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

Subtitle A—National Security Programs Authorizations

National Nuclear Security Administration (sec. 3101)

The House bill contained a provision (sec. 3101) that would authorize appropriations for the National Nuclear Security Administration for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 3101).

The House recedes with technical amendments.

Defense environmental cleanup (sec. 3102)

The House bill contained a provision (sec. 3102) that would authorize the appropriation of funds for the Department of Energy's defense environmental clean-up activities.

The Senate amendment contained a similar provision (sec. 3102).

The House recedes.

Other defense activities (sec. 3103)

The House bill contained a provision (sec. 3103) that would authorize appropriations for other defense activities of the Department of Energy for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 3103).

The House recedes.

Nuclear energy (sec. 3104)

The House bill contained a provision (sec. 3104) that would authorize appropriations for certain nuclear energy programs for the Department of Energy for fiscal year 2019.

The Senate amendment contained a similar provision (sec. 3104).

The House recedes.

Subtitle B—Program Authorizations, Restrictions, and Limitations

Development of low-yield nuclear weapons (sec. 3111)

The House bill contained a provision (sec. 3114) that would repeal section 3116 of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136), which prohibited the Secretary of Energy from commencing the engineering development

phase, or any subsequent phase, of a low-yield nuclear weapon unless specifically authorized by Congress. The provision would also authorize the Secretary, acting through the Administrator for Nuclear Security, to carry out the engineering development phase, and any subsequent phase, to modify or develop a low-yield nuclear warhead for submarine-launched ballistic missiles.

The Senate amendment contained a provision (sec. 3117) that would make a series of findings and modify section 3116 of the National Defense Authorization Act for Fiscal Year 2004 such that the Secretary would be required to specifically request funds for a low-yield nuclear weapon before commencing the engineering development phase, or any subsequent phase, on that weapon.

The House recedes with amendments that would strike the findings and include the specific authorization contained in the House provision. The amendments would also modify section 4209(a)(1) of the Atomic Energy Defense Act (50 U.S.C. 2529) to require that the Secretary only carry out nuclear weapon development or modification programs, regardless of yield, if funds have been authorized to be appropriated for such programs by an act of Congress.

Department of Energy counterintelligence polygraph program (sec. 3112)

The House bill contained a provision (sec. 3112) that would amend section 4504b of the Atomic Energy Defense Act (Public Law 95–238; 50 U.S.C 2654b) by authorizing the Secretary of Energy to add dual citizens to the Department of Energy counterintelligence polygraph program, for the purposes of assessing risk.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that specifies that this addition would only apply in the case of an authorized investigation.

Inclusion of capital assets acquisition projects in activities by Director for Cost Estimating and Program Evaluation (sec. 3113)

The House bill contained a provision (sec. 3131) that would amend the responsibility of the Director for Cost Estimating and Program Evaluation at the National Nuclear Security Administration (NNSA) to include cost estimation and program evaluation of acquisition of capital assets for atomic energy defense activities.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would: clarify that nothing in this section shall be construed to require duplicate reviews or cost estimates by the NNSA or other elements of the Department of Energy; defer the effective date of this provision until 18 months from the date of enactment of this Act; and require a briefing by the Administrator for Nuclear Security and the Secretary of Energy not later than 1 year after the date of enactment on a plan for implementing this provision in a manner that avoids duplication of effort.

Modification of authority for acceptance of contributions for acceleration of removal or security of fissile materials, radiological materials, and related equipment at vulnerable sites worldwide (sec. 3114)

The Senate amendment contained a provision (sec. 3116) that would amend section 3132(f)(7) of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108–375) to extend the Secretary of Energy's authority to accept, retain, and use contributions for the accelerated removal of and security for fissile materials, radiological materials, and related equipment at vulnerable sites worldwide through 2023.

The House bill contained no similar provision.

The House recedes with an amendment that would remove 30–day notifications to Congress for foreign contributions.

Notification regarding air release of radioactive or hazardous material at Hanford Nuclear Reservation (sec. 3115)

The House bill contained a provision (sec. 3121) that would require the Assistant Secretary of Energy for Environmental Management to promptly notify and provide a briefing to the congressional defense committees after a release of contamination resulting from defense waste at the Hanford Site.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the notification requirement to air releases of radioactive material or hazardous material released above statutory or regulatory limits and would clarify the notification timelines.

Amendments to the Atomic Energy Act of 1954 (sec. 3116)

The Senate amendment contained a provision (sec. 3113) that would permit the delegation of review under section 57b of the Atomic Energy Act of 1954 (Public Law 83–703), as amended (42 U.S.C. 2077(b)(2)), on a case-by-case basis as consistent with the national security interests of the United States. The provision would also require that, during a review under section 57b of title 42, United States Code, if such a request is denied, the Department of Energy be told the reasons for denial during interagency review or, if the review period is extended, the reason for this extension, to be reported to the congressional defense committees on an annual basis.

The House bill contained no similar provision.

The House recedes with an amendment that would strike the subsection related to interagency consultations and clarify that authority regarding approval of technology transfers may not be delegated for technologies related to enrichment and reprocessing of special nuclear material nor for transfers of any technologies to any covered foreign country. The amendment would also clarify the reporting requirement relating to such delegations, remove the sense of the Senate on civil penalties for violations, and remove the requirement for the Secretary of Energy to revise regulations.

The conferees agree that the Secretary of Energy has the authority to impose civil penalties for violations of section 57 b. (2) of the Atomic Energy Act of 1954 (42. U.S.C. 2077 (b(2)).

Extension of enhanced procurement authority to manage supply chain risk (sec. 3117)

The House bill contained a provision (sec. 3113) that would extend the authority provided by section 2786 of title 50, United States Code, the authority for the Secretary of Energy to take certain actions with regard to the protection of the supply chain of the Department of Energy, for an additional 5 years, to June 30, 2023.

The Senate amendment contained a provision (sec. 3114) that would extend the same authority for an additional 6 years.

The Senate recedes.

Hanford waste tank cleanup program (sec. 3118)

The House bill contained a provision (sec. 3120B) that would extend the Office of River Protection until 2024.

The Senate amendment contained no similar provision.

The Senate recedes.

Use of funds for construction and project support activities relating to MOX facility (sec. 3119)

The House bill contained a provision (sec. 3115) that would require the Secretary of Energy to carry out construction and project support activities relating to the Mixed Oxide Fuel Fabrication Facility with any funds authorized to be appropriated by this Act or otherwise made available for such purposes for fiscal year 2019. The provision would allow the Secretary to waive this requirement if the Secretary submits to the congressional defense committees the matters described under section 3121(b)(1) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

The Senate amendment contained a provision (sec. 3118) that would prohibit the Department of Energy from obligating or expending any funds for fiscal year 2019 or prior fiscal years to terminate construction and project support activities at the Mixed Oxide Fuel Fabrication Facility or to convert such facility to be used for any purpose other than its original mission.

The Senate recedes.

Plutonium pit production (sec. 3120)

The House bill contained a provision (sec. 3120A) that would require the Secretary of Defense to enter into a contract with a federally funded research and development center (FFRDC) to conduct an assessment of the plutonium strategy of the National Nuclear Security Administration (NNSA). In addition, the provision would require the Secretary of Energy to submit to the congressional defense committees not later than 180 days from the date of enactment of this Act a report on the plan for producing plutonium pits 31–80 at Los Alamos National Laboratory, in case the MOX facility is not operational and producing pits by 2030. The provision would also require the Secretary of Energy to submit an updated Statement of Mission Need by September 2020. Finally, the provision would require the Chairman of the Nuclear Weapons Council to submit annually to the Secretary of Defense, the Administrator for Nuclear Security, and the congressional defense committees a written certification that the plutonium pit production plan of the NNSA is on track to meet the military requirement of 80 pits per

year by 2030, the statutory requirements for pit production timelines under section 4219 of the Atomic Energy Defense Act (50 U.S.C. 2538a), and milestones for implementation of the NNSA's plutonium strategy.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would require the Secretary of Defense to consult with the Administrator for Nuclear Security in entering into the contract with the FFRDC and would modify the elements of the assessment. The amendments would also require that the FFRDC have full and direct access to all information related to pit production from the NNSA and from its management and operating contractors. The amendments would further modify the report regarding plutonium pit production at Los Alamos to require the Administrator for Nuclear Security to write the report and to require additional details on the plan to produce 30 pits per year by 2026. Finally, the amendments would strike the requirement to submit an updated Statement of Mission Need and add a requirement that the NNSA Director for Cost Estimation and Program Evaluation submit to the congressional defense committees an assessment of the NNSA report on pit production at Los Alamos, including an assessment of the impact of increased ARIES activity in support of the dilute and dispose program on the plutonium pit production mission.

The conferees note that the Senate report accompanying S. 2987 (S. Rept. 115–262) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 required a similar FFRDC assessment. The conferees intend for the requirement in this provision to replace the requirement in the Senate report rather than create a new requirement for another assessment.

Finally, the conferees direct the Comptroller General of the United States to review the report required by subsection (c)(2) of this provision, specifically the assessment of the effect of increased ARIES activity on the plutonium pit production mission. The Comptroller General shall provide a briefing on this assessment to the House and Senate Armed Services Committees, with the scope of the assessment and the date of the briefing to be determined in consultation with the committees.

Pilot program on conduct by Department of Energy of background reviews for access by certain individuals to national security laboratories (sec. 3121)

The Senate amendment contained a provision (sec. 3115) that would establish a pilot program for 2 years at the Department of Energy to independently conduct background reviews prior to admitting to national security laboratories citizens of nations on the current sensitive countries list. The provision would require the Federal Bureau of Investigation and the Director of National Intelligence to continue to conduct background reviews under section 4502(a) of the Atomic Energy Defense Act (50 U.S.C. 2652(a)) for the duration of the pilot program.

The House bill contained no similar provision.

The House recedes.

Prohibition on availability of funds for programs in Russian Federation (sec. 3122)

The House bill contained a provision (sec. 3116) that would prohibit obligation or expenditure of any funds for fiscal year 2019 for atomic energy defense activities to enter into a contract with, or otherwise provide assistance to, the Russian Federation. The provision would also provide for a waiver and would not apply to up to $3.0 million that the Secretary of Energy may make available for the Department of Energy's Russian Health Studies Program.

The Senate amendment contained no similar provision.

The Senate recedes.

Prohibition on availability of funds for research and development of advanced naval nuclear fuel system based on low-enriched uranium (sec. 3123)

The House bill contained a provision (sec. 3117) that would prohibit the authorization or expenditure of any funds for fiscal year 2019 for the Department of Energy or the Department of Defense for research and development of an advanced naval nuclear fuel system based on low-enriched uranium (LEU). The provision contains an exception that would authorize, from within amounts made available for fiscal year 2019 for defense nuclear nonproliferation, $10.0 million to be made available to the Deputy Administrator for Naval Reactors for LEU activities.

The Senate amendment contained no similar provision.

The Senate recedes.

The conferees note that both Departments' expertise in naval fuel requirements and design resides within the Naval Nuclear Propulsion Program. The conferees believe that funds authorized and appropriated for the purposes of research and design into the use of LEU in naval reactors are best spent in support of Naval Reactors' activities at the Naval Nuclear Laboratory.

Limitation on availability of funds relating to submission of annual reports on unfunded priorities (sec. 3124)

The House bill contained a provision (sec. 3118) that would prohibit the obligation or expenditure of funds authorized to be appropriated from the National Nuclear Security Administration's Federal Salaries and Expenses account for travel and transportation of persons until the Administrator for Nuclear Security submits a report that contains at least one unfunded priority under section 4716 of the Atomic Energy Defense Act (50 U.S.C. 2756). This provision would apply to each year from fiscal years 2020 through 2024.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would modify the prohibition such that not more than 65 percent of funds may be obligated or expended from this account until the report described above is submitted.

Subtitle C—Plans and Reports

Modifications to cost-benefit analyses for competition of management and operating contracts (sec. 3131)

The Senate amendment contained a provision (sec. 3121) that would modify the requirement for the Administrator of the National Nuclear Security Administration (NNSA) to provide a report to the congressional defense committees containing a cost-benefit analysis of competition of management and operating contracts for NNSA laboratories and production plants following each award of such a contract such that the report would be due 30 days after the transition to a new contract is complete.

The House bill contained no similar provision.

The House recedes with amendments that would extend the requirement through 2022 and add a requirement for the Administrator to provide a briefing no later than 7 days after the release of a request for proposal for any contract to manage and operate an NNSA facility. This briefing would provide a preliminary estimate of the costs and benefits of competing such contract. The amendment would also make a technical change that would transfer the entire requirement from the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239) into title 50 of United States Code.

Nuclear forensics analyses (sec. 3132)

The House bill contained a provision (sec. 3120) that would require the Secretary of Energy, in consultation with the Secretary of Defense and the Secretary of Homeland Security, to seek to enter into an agreement with the National Academy of Sciences for an independent assessment of nuclear forensic analyses conducted by the Federal Government.

The Senate amendment contained no similar provision.

The Senate recedes with a technical amendment.

Review of defense environmental cleanup activities (sec. 3133)

The Senate amendment contained a provision (sec. 3122) that would require the Secretary of Energy to coordinate with the National Academies of Sciences, Engineering, and Medicine on a review of the cleanup activities in the Office of Environmental Management.

The House bill contained no similar provision.

The House recedes with an amendment to include recommendations in the assessment that would enhance effectiveness and efficiency within the program.

Whistleblower protections (sec. 3134)

The House bill contained a provision (sec. 3132) that would contain findings and express the sense of Congress regarding nuclear safety and require the Secretary of Energy to impose civil penalties on contractors, subcontractors, and suppliers for violations of Department of Energy rules, regulations, and orders relating to nuclear safety and radiation protection. The provision would also require the Secretary to define, within 120 days of enactment of this Act, what constitutes evidence of a chilled work environ-

ment with respect to employees and contractors making a whistleblower complaint and would require an annual congressional notification on the imposition of any penalties related to violations of rules, regulations, and orders by contractors, subcontractors, and suppliers.

The Senate amendment contained no similar provision.

The Senate recedes with amendments that would strike the findings, strike the requirement to impose civil penalties as the Secretary or the Administrator determines appropriate and instead add it to the sense of Congress, and clarify the reporting requirement related to a chilled work environment.

Implementation of Nuclear Posture Review by National Nuclear Security Administration (sec. 3135)

The Senate amendment contained a provision (sec. 3125) that would require the Administrator of the National Nuclear Security Administration (NNSA) to submit to the congressional defense committees a report on the implementation of the 2018 Nuclear Posture Review (NPR) by the NNSA. The report would identify specific actions associated with the NPR, including the office of primary responsibility for each action and key milestones associated with it.

The House bill contained no similar provision.

The House recedes with an amendment that would require the report to include the estimated cost of an action when available.

Survey of workforce of national security laboratories and nuclear weapons production facilities (sec. 3136)

The Senate amendment contained a provision (sec. 3123) that would require the Administrator of the National Nuclear Security Administration (NNSA) to submit to the congressional defense committees a proposal to conduct a survey, similar to the Federal Employee Viewpoint Survey, of the employees of the NNSA laboratories and production plants.

The House bill contained no similar provision.

The House recedes with an amendment that would add a requirement for the Administrator to consider in her report the value of the survey in light of other tools for gathering similar data on workforce issues in order to avoid unnecessary duplication.

Elimination of certain reports (sec. 3137)

The Senate amendment contained a provision (sec. 3124) that would eliminate certain reporting requirements for the Department of Energy's Environmental Management Office.

The House bill contained no similar provision.

The House recedes with an amendment to preserve the future-years defense environmental management plan and to keep the certification requirements for waste shipments to the Waste Isolation Pilot Plant until fiscal year 2019.

Subtitle D—Other Matters

Acceleration of replacement of cesium blood irradiation sources (sec. 3141)

The House bill contained a provision (sec. 3119) that would require the Administrator for the National Nuclear Security Administration (NNSA) to ensure that the goal of the Cesium Irradiator Replacement Program and the Offsite Source Recovery Program is the elimination of the use in the United States of blood irradiation devices that rely on cesium chloride by December 31, 2027.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would require the Administrator for NNSA to identify in a reporting requirement the disposal pathway for cesium chloride sources.

Sense of Congress regarding compensation of individuals relating to uranium mining and nuclear testing (sec. 3142)

The House bill contained a provision (sec. 3122) that would state the sense of Congress that the United States should compensate and recognize all of the miners, workers, downwinders, and others suffering from the effects of uranium mining and nuclear testing carried out during the Cold War.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment that would make a series of related findings regarding the Radiation Exposure Compensation Act (Public Law 101–426) and the Energy Employees Occupational Illness Compensation Program Act of 2000 (Public Law 106–398). The amendment would also acknowledge that, as of the date of enactment of this Act, more than 150,231 claims have been paid out for a total of $17.4 billion in lump sum compensation and medical expenses under these two Acts.

LEGISLATIVE PROVISIONS NOT ADOPTED

Security clearance for dual nationals employed by National Nuclear Security Agency

The House bill contained a provision (sec. 3111) that would authorize the Secretary of Energy to apply additional security reviews to dual citizens seeking positions that require access to highly classified information.

The Senate amendment contained no similar provision.

The House recedes.

The conferees expect an appropriate level of vetting of all personnel with access to classified information, and encourage the Secretary to pay particular attention to the vetting of dual nationals.

Manufacturing Trades Education Grant Program

The House bill contained a provision (sec. 3120C) that would authorize the Secretary of Energy to establish the Manufacturing Trades Education Grant Program.

The Senate amendment contained no similar provision.

The House recedes.

The conferees recognize the importance of technical skills-based training, including apprenticeship and pre-apprenticeship

programs, and supports efforts to strengthen these programs. The conferees encourage further work with the Secretary of Energy on these efforts, and encourage the Secretary to continue to use such programs to further the missions of the Department of Energy and National Nuclear Security Administration.

Clarification of roles and authorities of National Nuclear Security Administration

The Senate amendment contained a provision (sec. 3111) that would clarify the roles and authorities of the National Nuclear Security Administration (NNSA) through a series of amendments to the National Nuclear Security Administration Act (50 U.S.C. Ch. 41) and the Atomic Energy Defense Act (50 U.S.C. Ch. 42). The provision would also make several technical corrections to the Atomic Energy Defense Act and remove the cap imposed on the number of full-time equivalent federal employees at the NNSA by section 3241A of the NNSA Act (50 U.S.C. 2441a).

The House bill contained no similar provision.

The Senate recedes.

The conferees note that similar legislation was considered in the course of the drafting of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239). The statement of managers accompanying that Act noted that there was "widespread recognition that the current system for governance, management, and oversight of the nuclear security enterprise is broken." The same statement noted similar conclusions made by the 2009 Congressional Commission on the Strategic Posture of the United States and several other bipartisan or nonpartisan organizations. Additional studies and commissions have agreed in the years since.

The National Defense Authorization Act for Fiscal Year 2013 also created a bipartisan advisory commission to provide "actionable recommendations that directly address the host of systemic problems identified by previous studies and by the conferees," later known as the Augustine-Mies Panel. In 2014, this panel recommended a sweeping series of major changes at NNSA and the Department of Energy more broadly, including renaming the Department to be the "Department of Energy and Nuclear Security," more fully integrating the NNSA into the Department, elevating the NNSA Administrator to the level of Deputy Secretary, and other actions to address deep-rooted cultural problems. The conferees note that a lack of consensus among the Department and the many congressional committees of jurisdiction prevented most of the major recommendations from being implemented, while others have languished in the bureaucracy or have been implemented without sufficient efforts to measure success. The conferees appreciate the work of the ongoing joint National Academies of Sciences, Engineering, and Medicine (NAS) and National Academy of Public Administration (NAPA) panel created by the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) to assess the NNSA's and the Department's progress in implementing prior recommendations, and note that the panel's most recent interim report concludes that activities to implement prior reform recommendations have not been "rooted in an adequate foundation of strategic thinking."

The conferees note that the Augustine-Mies Panel concluded that, if "significant progress [was] not made within the next two years," the "only remaining course of action—and a clearly inferior one—is to remove [NNSA] from what is now the Department of Energy and establish it as an autonomous, independent organization."

The conferees note that almost 4 years have elapsed since the Augustine-Mies Panel made its recommendations, and almost 6 years have elapsed since the 2013 statement of managers described the nuclear security enterprise as "broken." While disagreement remains with some of the specific conclusions of the panel, the conferees have not witnessed significant progress—only "changes on the margins," as anticipated by the 2013 conferees. Continued cost overruns on major projects, critical capital acquisition decisions mired in dispute, ongoing safety and security concerns, and delayed infrastructure modernization projects indicate that significant progress has not been made.

The conferees expect that the joint NAS/NAPA panel will conclude its work in 2020. Rather than allowing the panel's reports and recommendations to languish along with over two decades of studies and commissions on this subject, the conferees believe that, at that time, the appropriate committees must work with the Department and the NNSA to consider major reforms to the governance of the nuclear security enterprise, but stress that a return to previous, failed models of organization and management are unlikely to be an acceptable option.

Finally, the conferees also note that a significant recommendation of the Augustine-Mies Panel was to "solidify Cabinet Secretary ownership of the mission" of the NNSA. As long as the NNSA remains part of the Department of Energy under the current construct of the NNSA Act, the conferees expect appropriate levels of engagement by the Secretary of Energy, the Deputy Secretary of Energy, and the Administrator for Nuclear Security with the committees of jurisdiction on priority atomic energy defense programs to ensure that the NNSA meets the military requirements set by the Department of Defense while making efficient and responsible use of taxpayer dollars.

National Nuclear Security Administration Personnel System

The Senate amendment contained a provision (sec. 3112) that would make permanent the personnel demonstration project carried out by the National Nuclear Security Administration since 2008.

The House bill contained no similar provision.

The Senate recedes.

Assessment regarding eligibility for compensation for compensable diseases under Radiation Exposure Compensation Act

The House bill contained a provision (sec. 1087) that would require the National Cancer Institute and the Centers for Disease Control and Prevention to assess the application of probability of causation/assigned share (PC/AS) to determine eligibility for compensation for compensable diseases under the Radiation Exposure Compensation Act.

The Senate amendment contained no similar provision.

The House recedes.

The conferees direct the Attorney General, not later than 120 days after the enactment of this Act, to submit a report to Congress on the feasibility and advisability of the application of PC/AS to determine eligibility for compensation for compensable diseases under the Radiation Exposure Compensation Act.

Additional amounts for inertial confinement fusion and high yield program

The Senate amendment contained a provision (sec. 7101) that would authorize $100.0 million in additional funds for the Department of Energy's initial confinement fusion and high yield program.

The House bill contained no similar provision.

The Senate recedes.

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

Authorization (sec. 3201)

The House bill contained a provision (sec. 3201) that would authorize funding for the Defense Nuclear Facilities Safety Board at $31.2 million, consistent with the budget request.

The Senate amendment contained an identical provision (sec. 3201).

The conference agreement includes this provision.

TITLE XXXIV—NAVAL PETROLEUM RESERVES

Authorization of appropriations (sec. 3401)

The House bill contained a provision (sec. 3401) that would authorize funds for the purpose of carrying out activities under chapter 641 of title 10, United States Code, relating to the naval petroleum reserves.

The Senate amendment contained no similar provision.

The Senate recedes.

TITLE XXXV—MARITIME MATTERS

Subtitle A—Maritime Administration

Authorization of the Maritime Administration (sec. 3501)

The House bill contained a provision (sec. 3501) that would authorize appropriations of the Department of Transportation for fiscal year 2019 for programs associated with maintaining the United States merchant marine, including authorizations for: the United States Merchant Marine Academy (USMMA); State maritime academies; National Security Multi-Mission Vessel; Maritime Administration (MARAD) operations and programs; disposal of vessels in the National Defense Reserve Fleet (NDRF); Title XI loan program; and Small Shipyards Grant program.

The Senate amendment contained similar provisions (sec. 3501, 7501, and 7502) that would authorize appropriations for most of the same programs at, generally, different authorization levels. The Senate amendment would also include a set-aside for port infrastructure development within MARAD operations and programs.

The Senate amendment would also require a report on the status of unexpended appropriations for capital asset management at the USMMA, and the plan for expending such appropriations.

The House recedes with an amendment that would adopt Senate authorization levels for: State maritime academies, the National Security Multi-Mission Vessel program; and MARAD operations and programs. It would adopt the Senate provisions on port infrastructure development and the capital assessment management program report. It would adopt House authorization levels on the USMMA, and it would reiterate the authorization of the Small Shipyards Grant program in a manner similar to the House bill. It would set a compromise authorization level on disposal of vessels in the NDRF.

Compliance by Ready Reserve Fleet vessels with SOLAS lifeboats and fire suppression requirements (sec. 3502)

The House bill contained a provision (sec. 3502) that would require the Secretary of Defense to incorporate lifeboat and fire suppression standards associated with the International Convention for the Safety of Life at Sea for Ready Reserve Fleet vessels that are planned to be retained by the Secretary beyond October 1, 2026.

The Senate amendment contained no similar provision.

The Senate recedes.

Maritime Administration National Security Multi-Mission Vessel Program (sec. 3503)

The House bill contained a provision (sec. 3503) that would limit the Maritime Administration from procuring used training vessels for the National Security Multi-Mission Vessel Program. Nothing in this provision would apply to the procurement of a used vessel, including a used vessel intended for State maritime academy training, that is not a national security multi-mission vessel under section 3505 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

The Senate amendment contained no similar provision.

The Senate recedes.

Permanent authority of Secretary of Transportation to issue vessel war risk insurance (sec. 3504)

The House bill contained a provision (sec. 3504) that would amend chapter 539 of title 46, United States Code, to make permanent the authority of the Secretary of Transportation to provide vessel war risk insurance.

The Senate amendment contained an identical provision (sec. 7515).

The conference agreement includes this provision.

Use of State maritime academy training vessels (sec. 3505)

The House bill contained a provision (sec. 3505) that would require the Secretary, acting through the Maritime Administrator and in consultation with the State maritime academies (SMAs), to implement a program of vessel capacity sharing among the SMAs

as necessary to ensure that training needs of each academy are met.

The Senate amendment contained a similar provision, which would, among other differences with the House bill, clarify that the program shall be implemented upon consultation with the maritime academies and to the extent feasible with the consent of the maritime academies.

The House recedes with an amendment that would, subject to the availability of appropriations, authorize the Maritime Administrator to provide additional funding to the SMAs during periods of limited training vessel capacity, for costs associated with training vessel sharing.

Concurrent jurisdiction (sec. 3506)

The Senate amendment contained a provision (sec. 7503) that would allow the Secretary of Transportation to relinquish, at the Secretary's discretion, certain jurisdiction over the United States Merchant Marine Academy to local law enforcement, as necessary, to enable concurrent jurisdiction with the State of New York.

The House bill contained no similar provision.

The House recedes.

United States Merchant Marine Academy policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking (sec. 3507)

The Senate amendment contained a provision (sec. 7504) that would amend section 51318 of title 46, United States Code, to update the United States Merchant Marine Academy policy on sexual harassment, dating violence, domestic violence, sexual assault, and stalking.

The House bill contained no similar provision.

The House recedes.

Report on implementation of recommendations for the United States Merchant Marine Academy Sexual Assault Prevention and Response Program (sec. 3508)

The Senate amendment contained a provision (sec. 7505) that would require the Maritime Administrator to submit to Congress a report describing the progress of the Maritime Administration in implementing and completing each of the recommendations made in the Department of Transportation Office of Inspector General's report identifying gaps in the United States Merchant Marine Academy's Sexual Assault Prevention and Response Program.

The House bill contained no similar provision.

The House recedes.

Report on the application of the Uniform Code of Military Justice to the United States Merchant Marine Academy (sec. 3509)

The Senate amendment contained a provision (sec. 7506) that would require a report on impediments to the application of the Uniform Code of Military Justice at the United States Merchant Marine Academy.

The House bill contained no similar provision.

The House recedes.

Electronic records on mariner availability to meet national security needs (sec. 3510)

The Senate amendment contained a provision (sec. 7507) that would require the Secretary of Homeland Security to coordinate with the Secretary of Transportation to ensure that electronic records provide information on mariner availability to meet national security needs for credentialed mariners crewing strategic sealift vessels.

The House bill contained no similar provision.

The House recedes with an amendment that would require the Secretary of the Department in which the Coast Guard is operating to ensure that these records are able to be used by the Secretary of Transportation to: (1) Determine the potential availability of mariners to meet national security sealift needs; and (2) Receive information on the qualification of such mariners.

Small shipyard grants (sec. 3511)

The Senate amendment contained a provision (sec. 7508) that would require the Maritime Administrator to post a notice of funding opportunity regarding assistance for small shipyards under section 54101 of title 46, United States Code, not more than 15 days after the date of enactment of the relevant appropriations Act for the fiscal year.

The House bill contained no similar provision.

The House recedes.

Sea year on contracted vessels (sec. 3512)

The Senate amendment contained a provision (sec. 7510) that would allow the Secretary of Transportation to meet United States Merchant Marine Academy (USMMA) cadet Sea Year training needs by requiring two USMMA cadets, if available, to be placed on each Maritime Security Program (MSP) and Military Sealift Command (MSC) vessel. The provision would allow the Commander of the MSC to waive the MSC-related requirements at any time if the Commander determines such placement would create an undue burden on the vessel. This provision would not affect the discretion of the Secretary to determine whether to place a USMMA cadet on a vessel; the Secretary would retain discretion to determine whether a cadet is available to be placed on an MSP or MSC vessel. The provision also would not affect the authority of the Coast Guard regarding a vessel security plan approved under section 70103 of title 46, United States Code. Finally, the provision would not affect the discretion of the master of the vessel to ensure the safety of all crew members.

The House bill contained no similar provision.

The House recedes.

GAO report on national maritime strategy (sec. 3513)

The Senate amendment contained a provision (sec. 7511) that would require the Comptroller General to submit to Congress a report on national maritime strategy, including the following: (1) Key challenges, if any, to ensuring that the U.S. marine transportation system and merchant marine are sufficient to support U.S. economic and defense needs; (2) The extent to which a national mari-

time strategy incorporates desirable characteristics of successful national strategies; and (3) The extent to which Federal efforts to establish national maritime strategy are duplicative or fragmented.

The House bill contained no similar provision.

The House recedes with an amendment that would: (1) Require the due date for the Government Accountability Office report to be 12 months after the date of enactment of this Act, and (2) Update the due date for the national maritime strategy required under section 603 of the Howard Coble Coast Guard and Maritime Transportation Act of 2014 (Public Law 113–281) to be 18 months after enactment of this Act.

Multi-year contracts (sec. 3514)

The Senate amendment contained a provision (sec. 7513) that would clarify that nothing in the existing contracting authority for the National Security Multi-Mission Vessel Program, as codified in the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), may be construed to prohibit the Maritime Administration (MARAD) from entering into a multi-year contract for the procurement of up to five new vessels within the National Security Multi-Mission Vessel Program.

The House bill contained no similar provision.

The House recedes with an amendment that would clarify nothing in that existing authority may be construed to prohibit the entity responsible for contracting from entering into a multiple year or block contract for the procurement of up to six new vessels and associated government furnished equipment, subject to the availability of appropriations.

Miscellaneous (sec. 3515)

The House bill contained a provision (sec. 3533) that would amend multiple sections of title 14, United States Code, with various technical changes.

The Senate amendment contained no similar provision.

The Senate recedes.

Department of Transportation Inspector General report on Title XI program (sec. 3516)

The Senate amendment contained a provision (sec. 7512) that would require the Department of Transportation (DOT) Office of Inspector General to submit to Congress a report on the financial controls and protections included in the policies and procedures of the DOT for approving loan applications for the Title XI Program.

The House bill contained no similar provision.

The House recedes.

Subtitle B—Coast Guard

Alignment with Department of Defense and sea services authorities (sec. 3521)

The House bill contained a provision (sec. 3521) that would require the Coast Guard to notify Congress if there is not in effect any general order or regulation prohibiting sexual harassment by members of the Coast Guard and that the violation of such order

or regulation is punishable in accordance with the Uniform Code of Military Justice. The notification is required to include the status of the drafting of such a regulation, the projected implementation timeline, and an explanation of any barriers to implementation. The provision also would add sexual harassment as part of the Coast Guard's annual report on sexual assault, and it also would add a requirement for the Coast Guard to submit to Congress an annual update on Coast Guard mission performance during the previous year.

The Senate amendment contained no similar provision.

The Senate recedes.

Preliminary development and demonstration (sec. 3522)

The House bill contained a provision (sec. 3522) that would amend section 573 of title 14, United States Code, to clarify the process to report safety concerns found either by an independent third party or a Government employee for acquisition programs or projects or a capability or asset or any subsystem of a capability or asset not previously identified during operational test and evaluation of a capability or asset already in low, initial or full-rate production.

The Senate amendment contained no similar provision.

The Senate recedes.

Contract termination (sec. 3523)

The House bill contained a provision (sec. 3523) that would amend chapter 17 of title 14, United States Code, by inserting a new section 657 to establish a process for contract cancellation, including requiring the Coast Guard to notify each vendor when it terminates a procurement or acquisition contact with a total value of more than $1.0 million and that such vendors are required to maintain all work product related to the contract for at least one year. Additionally, the Coast Guard shall provide an annual report to Congress on terminated contracts.

The Senate amendment contained no similar provision.

The Senate recedes with an amendment.

Reimbursement for travel expenses (sec. 3524)

The House bill contained a provision (sec. 3524) that would amend section 518 of title 14, United States Code, to state that a covered beneficiary and their dependents residing on an island located in the 48 contiguous States and the District of Columbia that lacks public access roads to the mainland, shall be reimbursed for reasonable travel expenses for medical services when referred by a primary care physician to a physician on the mainland or the Coast Guard medical regional manager for the area determines medical services cannot be provided on the island.

The Senate amendment contained no similar provision.

The Senate recedes.

Capital investment plan (sec. 3525)

The House bill contained a provision (sec. 3525) that would amend section 2902(a) of title 14, United States Code, to change the date when the Capital Investment shall be reported to Con-

gress to require reporting on projected commissioning and decommissioning dates for each asset.

The Senate amendment contained no similar provision.

The Senate recedes.

Major acquisition program risk assessment (sec. 3526)

The House amendment contained a provision (sec. 3526) that would amend chapter 29 of title 14, United States Code, to add a section on major acquisition program risk assessment stating that twice a year the Coast Guard shall provide to Congress a briefing regarding a current assessment of risks associated with all current major acquisition programs, including breach of program schedule or costs.

The Senate bill contained no similar provision.

The Senate recedes.

Marine safety implementation status (sec. 3527)

The House bill contained a provision (sec. 3527) that would state that the Coast Guard shall submit a report to Congress on the date on which the President submits to Congress a budget for fiscal year 2020 and for the following two years on the implementation of each action outlined in the Commandant's final action memo from December 19, 2017.

The Senate amendment contained no similar provision.

The Senate recedes.

Retirement of Vice Commandant (sec. 3528)

The House bill contained a provision (sec. 3528) that would amend section 46 of title 14, United States Code, to state that a Vice Commandant who is not reappointed or appointed Commandant shall retire with the grade of admiral.

The Senate amendment contained no similar provision.

The Senate recedes.

Large recreational vessel regulations (sec. 3529)

The House bill contained a provision (sec. 3529) that would require the Secretary of the department in which the Coast Guard is operating through the Commandant of the Coast Guard to establish a code for certification of certain large recreational vessels.

The Senate amendment contained no similar provision.

The Senate recedes with amendment that would provide an interim process for large recreational vessels while the Coast Guard is developing the new certification process. It would also clarify that those vessels must be used exclusively for private use, not carry any cargo or passengers for hire, and limit application of the provision to U.S.-owned vessels.

Subtitle C—Coast Guard and Shipping Technical Corrections

Chapter 1—Coast Guard

Commandant defined (sec. 3531)

The House bill contained a provision (sec. 3531) that would amend chapter 1 of title 14, United States Code, to add a section

with the definition of the Commandant as the "Commandant of the Coast Guard". Throughout title 14, "Commandant of the Coast Guard" is replaced with "Commandant".

The Senate amendment contained no similar provision.

The Senate recedes.

Training course on workings of Congress (sec. 3532)

The House bill contained a provision (sec. 3532) that would amend section 60(d) of title 14, United States Code, by striking an outdated training requirement and stating that a Coast Guard flag officer or Coast Guard Senior Executive Service employee working in the National Capital Region shall complete a training course on the workings of Congress not later than 60 days after reporting for duty.

The Senate amendment contained no similar provision.

The Senate recedes.

Miscellaneous (sec. 3533)

The Senate amendment contained a provision (sec. 7517) that would clarify the definition of commercial vessel for the purposes of United States Merchant Marine Academy (USMMA) training requirements and that would streamline sexual assault training recordkeeping. The provision also would allow the Secretary of Commerce to waive bond requirements for certain vessel repairs, similar to authority already granted the Secretary of Transportation. Finally, the provision would remove certain funding limitations for State Maritime Academies, in a manner consistent with overall appropriation levels, as long as such academies meet certain admissions requirements.

The House bill contained no similar provision.

The House recedes.

Department of Defense consultation (sec. 3534)

The House bill contained a provision (sec. 3534) that would amend section 566 of title 14, United States Code, to change "enter into" to "maintain" the memorandum of understanding with the Navy for technical assistance. This section would also amend section 566 of title 14, United States Code, to remove language for an already delivered one-time report on Coast Guard acquisitions.

The Senate amendment contained no similar provision.

The Senate recedes.

Repeal (sec. 3535)

The House bill contained a provision (sec. 3535) that would strike section 568 of title 14, United States Code, to remove guidance on excessive pass-through charges related to the long-defunct Deepwater acquisition program.

The Senate amendment contained no similar provision.

The Senate recedes.

Mission need statement (sec. 3536)

The House bill contained a provision (sec. 3536) that would amend section 569 of title 14, United States Code, to appear after section 2904 and renumber this section. This section would also

amend subsection (a) in section 2904 of title 14, United States Code, as so redesignated, to strike ", on the date on which the President submits to Congress a budget for fiscal year 2019 under such section," and replace "for fiscal year 2016" with "for fiscal year 2019".

The Senate amendment contained no similar provision.

The Senate recedes.

Continuation on active duty (sec. 3537)

The House bill contained a provision (sec. 3537) that would amend section 290(a) of title 14, United States Code, to change "Officers, other than the Commandant, serving" to "Officers serving" in or above the grade of vice admiral are not subject to consideration for continuation under this subsection.

The Senate amendment contained no similar provision.

The Senate recedes.

System acquisition authorization (sec. 3538)

The House bill contained a provision (sec. 3538) that would amend section 2701(2) of title 14, United States Code, to change "and aircraft" to "aircraft, and systems" for the requirement for prior authorization of appropriations. This section would also amend section 2702(2) of title 14, United States Code, to change "and aircraft" to "aircraft, and systems" for the appropriations.

The Senate amendment contained no similar provision.

The Senate recedes.

Inventory of real property (sec. 3539)

The House bill contained a provision (sec. 3539) that would amend section 679(a) of title 14, United States Code, to change "not later than September 30, 2015, the Commandant shall establish" to "The Commandant shall maintain" the inventory of real property. This section would also amend section 679(b) of title 14, United States Code, to state that the Commandant shall update inventory of real property not later than 30 days after any change to control of such property.

The Senate amendment contained no similar provision.

The Senate recedes.

Chapter 2—Maritime Transportation

Definitions (sec. 3541)

The House bill contained a provision (sec. 3541) that would amend section 2101 of title 46, United States Code, to add the definition of the Commandant as the "Commandant of the Coast Guard", re-designate existing definitions, and update all cross-references to the definitions in section 2101 of title 46, United States Code, throughout the code.

The Senate amendment contained no similar provision.

The Senate recedes.

Authority to exempt vessels (sec. 3542)

The House bill contained a provision (sec. 3542) that would amend section 2113 of title 46, United States Code, to strike sub-

sections (4) and (5) and replace with a new subsection (4) to state that the Secretary may maintain different structural fire protection, manning, operating, and equipment requirements for vessels.

The Senate amendment contained no similar provision.

The Senate recedes.

Passenger vessels (sec. 3543)

The House bill contained a provision (sec. 3543) that would amend section 3507 of title 46, United States Code, to strike subsection (a)(3) pertaining to an expired effective date, clarify subsection (e)(2) by changing "services confidential" to "services as confidential", and, in subsection (i), replace "Within 6 months after the date of enactment of the Cruise Vessel Security and Safety Act of 2010, the Secretary shall issue" with "The Secretary shall maintain" for procedures related to passenger vessel security and safety requirements. This section would also amend section 3508 of title 46, United States Code, to strike subsection (d) and removes outdated requirements in subsections (a), (c), and (e), as redesignated by the section.

The Senate amendment contained no similar provision.

The Senate recedes.

Tank vessels (sec. 3544)

The House bill contained a provision (sec. 3544) that would amend section 3703a, 3705 and 3706 of title 46, United States Code, to remove outdated requirements. It would also amend section 1001(32)(A) of the Oil Pollution Act of 1990 (33 U.S.C. 2701(32)(a)) to remove an outdated cross-reference.

The Senate amendment contained no similar provision.

The Senate recedes.

Grounds for denial or revocation (sec. 3545)

The House bill contained a provision (sec. 3545) that would amend section 7503a and 7704 of title 46, United States Code, to renumber the subsections after striking previously repealed subsection (a) in each section.

The Senate amendment contained no similar provision.

The Senate recedes.

Miscellaneous corrections to title 46, U.S.C. (sec. 3546)

The House bill contained a provision (sec. 3546) that would amend miscellaneous sections of title 46, United States Code, to remove outdated requirements, re-designate subsections, and update cross-references.

The Senate amendment contained no similar provision.

The Senate recedes.

Miscellaneous corrections to Oil Pollution Act of 1990 (sec. 3547)

The House bill contained a provision (sec. 3547) that would amend the Oil Pollution Act of 1990 (33 U.S.C. 2701) to remove outdated requirements, re-designate subsections, and update cross-references.

The Senate amendment contained no similar provision.

The Senate recedes.

Miscellaneous corrections (sec. 3548)

The House bill contained a provision (sec. 3548) that would amend: section 1 of the Act of June 15, 1917 (chapter 30; 50 U.S.C. 191) to replace the "Secretary of Transportation" with the "Secretary of the department in which the Coast Guard is operating."; section 5(b) of the Act entitled "An Act to regulate the construction of bridges over navigable waters", approved March 23, 1906 (chapter 1130; 33 U.S.C. 495(b)) to remove outdated requirements; and section 5(f) of the Act to Prevent Pollution from Ships (33 U.S.C. 1904(f)) to remove outdated cross-references.

The Senate amendment contained no similar provision.

The Senate recedes.

LEGISLATIVE PROVISIONS NOT ADOPTED

Domestic ship recycling facilities

The Senate amendment contained a provision (sec. 7509) that would establish a streamlined process for obtaining consent from the Environmental Protection Agency to import vessels containing regulated levels of polychlorinated biphenyl into the United States for recycling.

The House bill contained no similar provision.

The Senate recedes.

Navigation system study and report

The Senate amendment contained a provision (sec. 7516) that would require the Government Accountability Office to conduct a comprehensive study of the Great Lakes—Saint Lawrence Seaway navigation system that examines the current state of the system and makes recommendations for improvements.

The House bill contained no similar provision.

The Senate recedes.

Coast Guard Authorization Act of 2018

The House bill contained a division (Division D) that would authorize certain aspects of the Coast Guard.

The Senate amendment contained no similar provisions.

The House recedes.

DIVISION D—FUNDING TABLES

Authorization of amounts in funding tables (sec. 4001)

The House bill contained a provision (sec. 7001) that would provide for the allocation of funds among programs, projects, and activities in accordance with the tables in division D of this Act, subject to reprogramming guidance in accordance with established procedures.

Consistent with the previously expressed views of the committee, the provision would also require that decisions by an agency head to commit, obligate, or expend funds to a specific entity on the basis of such funding tables be based on authorized, transparent, statutory criteria, or merit-based selection procedures in accordance with the requirements of sections 2304(k) and 2374 of title 10, United States Code, and other applicable provisions of law.

The Senate amendment contained a similar provision (sec. 4001).

The House recedes.

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
DISCRETIONARY AUTHORIZATIONS WITHIN THE JURISDICTION OF THE ARMED SERVICES COMMITTEE			
National Defense Funding, Base Budget Request			
Function 051, Department of Defense-Military			
Division A: Department of Defense Authorizations			
Title I—Procurement			
Aircraft Procurement, Army	3,782,558	337,000	4,119,558
Missile Procurement, Army	3,355,777	–128,100	3,227,677
Weapons & Tracked Combat Vehicles, Army	4,489,118	–17,848	4,471,270
Procurement of Ammunition, Army	2,234,761	25,000	2,259,761
Other Procurement, Army	7,999,529	–329,665	7,669,864
Aircraft Procurement, Navy	19,041,799	–220,963	18,820,836
Weapons Procurement, Navy	3,702,393	73,836	3,776,229
Procurement of Ammunition, Navy & Marine Corps	1,006,209	–7,750	998,459
Shipbuilding & Conversion, Navy	21,871,437	2,180,261	24,051,698
Other Procurement, Navy	9,414,355	–101,292	9,313,063
Procurement, Marine Corps	2,860,410	–73,181	2,787,229
Aircraft Procurement, Air Force	16,206,937	310,857	16,517,794
Missile Procurement, Air Force	2,669,454	–21,520	2,647,934
Space Procurement, Air Force	2,527,542		2,527,542
Procurement of Ammunition, Air Force	1,587,304		1,587,304
Other Procurement, Air Force	20,890,164	–149,336	20,740,828
Procurement, Defense-Wide	6,786,271	–24,940	6,761,331
Joint Urgent Operational Needs Fund	100,025	–100,025	0
Subtotal, Title I—Procurement	**130,526,043**	**1,752,334**	**132,278,377**
Title II—Research, Development, Test and Evaluation			
Research, Development, Test & Evaluation, Army	10,159,379	–197,829	9,961,550
Research, Development, Test & Evaluation, Navy	18,481,666	–97,133	18,384,533
Research, Development, Test & Evaluation, Air Force	40,178,343	499,594	40,677,937
Research, Development, Test & Evaluation, Defense-Wide	22,016,553	454,921	22,471,474
Operational Test & Evaluation, Defense	221,009	10,900	231,909
Subtotal, Title II—Research, Development, Test and Evaluation	**91,056,950**	**670,453**	**91,727,403**
Title III—Operation and Maintenance			
Operation & Maintenance, Army	42,009,317	–931,223	41,078,094
Operation & Maintenance, Army Reserve	2,916,909	14,000	2,930,909
Operation & Maintenance, Army National Guard	7,399,295	35,000	7,434,295
Operation & Maintenance, Navy	49,003,633	10,611	49,014,244
Operation & Maintenance, Marine Corps	6,832,510	35,205	6,867,715

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Operation & Maintenance, Navy Reserve	1,027,006	7,960	1,034,966
Operation & Maintenance, Marine Corps Reserve	271,570	10,000	281,570
Operation & Maintenance, Air Force	42,060,568	38,031	42,098,599
Operation & Maintenance, Air Force Reserve	3,260,234	57,700	3,317,934
Operation & Maintenance, Air National Guard	6,427,622	–3,500	6,424,122
Operation & Maintenance, Defense-Wide	36,352,625	–292,752	36,059,873
US Court of Appeals for the Armed Forces, Defense	14,662		14,662
DoD Acquisition Workforce Development Fund	400,000		400,000
Overseas Humanitarian, Disaster and Civic Aid	107,663		107,663
Cooperative Threat Reduction	335,240		335,240
Environmental Restoration, Army	203,449	10,000	213,449
Environmental Restoration, Navy	329,253	10,000	339,253
Environmental Restoration, Air Force	296,808	39,000	335,808
Environmental Restoration, Defense	8,926		8,926
Environmental Restoration, Formerly Used Sites	212,346		212,346
Subtotal, Title III—Operation and Maintenance	**199,469,636**	**–959,968**	**198,509,668**
Title IV—Military Personnel			
Military Personnel Appropriations	140,689,301	–1,165,280	139,524,021
Medicare-Eligible Retiree Health Fund Contributions	7,533,090		7,533,090
Subtotal, Title IV—Military Personnel	**148,222,391**	**–1,165,280**	**147,057,111**
Title XIV—Other Authorizations			
Working Capital Fund, Army	158,765		158,765
Working Capital Fund, Air Force	69,054		69,054
Working Capital Fund, DECA	48,096		48,096
Working Capital Fund, Defense-Wide	1,266,200		1,266,200
National Defense Sealift Fund	0		0
Chemical Agents & Munitions Destruction	993,816		993,816
Drug Interdiction and Counter Drug Activities	787,525	20,000	807,525
Office of the Inspector General	329,273		329,273
Defense Health Program	33,729,192	–393,000	33,336,192
Subtotal, Title XIV—Other Authorizations	**37,381,921**	**–373,000**	**37,008,921**
Total, Division A: Department of Defense Authorizations	**606,656,941**	**–75,461**	**606,581,480**
Division B: Military Construction Authorizations			
Military Construction			
Army	1,011,768	159,100	1,170,868
Navy	2,543,189	–130,330	2,412,859
Air Force	1,725,707	–116,934	1,608,773
Defense-Wide	2,693,324	–186,596	2,506,728
NATO Security Investment Program	171,064		171,064
Army National Guard	180,122	22,000	202,122
Army Reserve	64,919	23,000	87,919
Navy and Marine Corps Reserve	43,065		43,065
Air National Guard	129,126	62,000	191,126

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Air Force Reserve	50,163	72,700	122,863
Unaccompanied Housing Improvement Fund	600		600
Subtotal, Military Construction	**8,613,047**	**–95,060**	**8,517,987**
Family Housing			
Construction, Army	330,660		330,660
Operation & Maintenance, Army	376,509		376,509
Construction, Navy and Marine Corps	104,581		104,581
Operation & Maintenance, Navy and Marine Corps	314,536		314,536
Construction, Air Force	78,446		78,446
Operation & Maintenance, Air Force	317,274		317,274
Operation & Maintenance, Defense-Wide	58,373		58,373
Improvement Fund	1,653		1,653
Subtotal, Family Housing	**1,582,032**	**0**	**1,582,032**
Base Realignment and Closure			
Base Realignment and Closure—Army	62,796	18,110	80,906
Base Realignment and Closure—Navy	151,839	19,110	170,949
Base Realignment and Closure—Air Force	52,903	18,110	71,013
Subtotal, Base Realignment and Closure	**267,538**	**55,330**	**322,868**
Prior Year Savings	0	–83,296	–83,296
Total, Division B: Military Construction Authorizations	**10,462,617**	**–123,026**	**10,339,591**
Total, 051, Department of Defense-Military	**617,119,558**	**–198,487**	**616,921,071**
Division C: Department of Energy National Security Authorization and Other Authorizations			
Function 053, Atomic Energy Defense Activities			
Environmental and Other Defense Activities			
Nuclear Energy	136,090		136,090
Weapons Activities	11,017,078	175,586	11,192,664
Defense Nuclear Nonproliferation	1,862,825	–15,396	1,847,429
Naval Reactors	1,788,618		1,788,618
Federal Salaries and Expenses	422,529	–18,000	404,529
Defense Environmental Cleanup	5,630,217	–3,581	5,626,636
Other Defense Activities	853,300		853,300
Defense Nuclear Waste Disposal	30,000	–30,000	0
Subtotal, Environmental and Other Defense Activities	**21,740,657**	**108,609**	**21,849,266**
Independent Federal Agency Authorization			
Defense Nuclear Facilities Safety Board	31,243		31,243
Subtotal, Independent Federal Agency Authorization	**31,243**	**0**	**31,243**
Subtotal, 053, Atomic Energy Defense Activities	**21,771,900**	**108,609**	**21,880,509**

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Function 054, Defense-Related Activities			
Other Agency Authorizations			
Maritime Security Program	214,000	86,000	300,000
Subtotal, Independent Federal Agency Authorization	**214,000**	**86,000**	**300,000**
Subtotal, 054, Defense-Related Activities	**214,000**	**86,000**	**300,000**
Subtotal, Division C: Department of Energy National Security Authorization and Other Authorizations	**21,985,900**	**194,609**	**22,180,509**
Total, National Defense Funding, Base Budget Request	**639,105,458**	**–3,878**	**639,101,580**
National Defense Funding, Overseas Contingency Operations			
Function 051, Department of Defense-Military			
Procurement			
Aircraft Procurement, Army	363,363		363,363
Missile Procurement, Army	1,802,351		1,802,351
Weapons & Tracked Combat Vehicles, Army	1,107,183		1,107,183
Procurement of Ammunition, Army	309,525		309,525
Other Procurement, Army	1,382,047		1,382,047
Aircraft Procurement, Navy	80,119		80,119
Weapons Procurement, Navy	14,134		14,134
Procurement of Ammunition, Navy & Marine Corps	246,541	–2,000	244,541
Other Procurement, Navy	187,173	–3,000	184,173
Procurement, Marine Corps	58,023		58,023
Aircraft Procurement, Air Force	1,018,888	–74,040	944,848
Missile Procurement, Air Force	493,526		493,526
Procurement of Ammunition, Air Force	1,421,516		1,421,516
Other Procurement, Air Force	3,725,944	–20,900	3,705,044
Procurement, Defense-Wide	572,135		572,135
National Guard & Reserve Equipment	0	225,000	225,000
Subtotal, Procurement	**12,782,468**	**125,060**	**12,907,528**
Research, Development, Test and Evaluation			
Research, Development, Test & Evaluation, Army	325,104		325,104
Research, Development, Test & Evaluation, Navy	167,812		167,812
Research, Development, Test & Evaluation, Air Force	314,271		314,271
Research, Development, Test & Evaluation, Defense-Wide	500,544	–84,161	416,383
Subtotal, Research, Development, Test and Evaluation	**1,307,731**	**–84,161**	**1,223,570**
Operation and Maintenance			
Operation & Maintenance, Army	18,210,500	456,700	18,667,200

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Operation & Maintenance, Army Reserve	41,887		41,887
Operation & Maintenance, Army National Guard	110,729		110,729
Afghanistan Security Forces Fund	5,199,450		5,199,450
Counter-ISIS Train & Equip Fund	1,400,000		1,400,000
Operation & Maintenance, Navy	4,757,155		4,757,155
Operation & Maintenance, Marine Corps	1,121,900		1,121,900
Operation & Maintenance, Navy Reserve	25,637		25,637
Operation & Maintenance, Marine Corps Reserve	3,345		3,345
Operation & Maintenance, Air Force	9,285,789		9,285,789
Operation & Maintenance, Air Force Reserve	60,500		60,500
Operation & Maintenance, Air National Guard	15,870		15,870
Operation & Maintenance, Defense-Wide	8,549,908	–750,000	7,799,908
Ukraine Security Assistance	0	250,000	250,000
Subtotal, Operation and Maintenance	**48,782,670**	**–43,300**	**48,739,370**
Military Personnel			
Military Personnel Appropriations	4,660,661		4,660,661
Subtotal, Military Personnel	**4,660,661**	**0**	**4,660,661**
Other Authorizations			
Working Capital Fund, Army	6,600		6,600
Working Capital Fund, Air Force	8,590		8,590
Drug Interdiction and Counter Drug Activities	153,100		153,100
Office of the Inspector General	24,692		24,692
Defense Health Program	352,068		352,068
Subtotal, Other Authorizations	**545,050**	**0**	**545,050**
Military Construction			
Army	261,250	–69,000	192,250
Navy	227,320		227,320
Air Force	345,800	69,000	414,800
Defense-Wide	87,050		87,050
Subtotal, Military Construction	**921,420**	**0**	**921,420**
Total, National Defense Funding, Overseas Contingency Operations	**69,000,000**	**–2,401**	**68,997,599**
Total, National Defense	**708,105,458**	**–6,279**	**708,099,179**
MEMORANDUM: NON-DEFENSE AUTHORIZATIONS			
Title XIV—Armed Forces Retirement Home (Function 600)	64,300		64,300
Title XVII—Review of Foreign Investment and Export Controls (Function 800)		20,000	20,000
Title XXXIV—Naval Petroleum and Oil Shale Reserves (Function 270)	10,000		10,000
MEMORANDUM: TRANSFER AUTHORITIES (NON-ADD)			
Title X—General Transfer Authority	[5,000,000]	[–500,000]	[4,500,000]

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2019—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Title XV—Special Transfer Authority	[4,500,000]	[–1,000,000]	[3,500,000]
MEMORANDUM: DEFENSE AUTHORIZATIONS NOT UNDER THE JURISDICTION OF THE ARMED SERVICES COMMITTEE (NON-ADD)			
Defense Production Act	[38,578]		[38,578]

NATIONAL DEFENSE BUDGET AUTHORITY IMPLICATION

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Summary, Discretionary Authorizations Within the Jurisdiction of the Armed Services Committee			
SUBTOTAL, DEPARTMENT OF DEFENSE (051)	**617,119,558**	**–198,487**	**616,921,071**
SUBTOTAL, ATOMIC ENERGY DEFENSE PROGRAMS (053)	**21,771,900**	**108,609**	**21,880,509**
SUBTOTAL, DEFENSE-RELATED ACTIVITIES (054)	**214,000**	**86,000**	**300,000**
TOTAL, NATIONAL DEFENSE (050)—BASE BILL	**639,105,458**	**–3,878**	**639,101,580**
TOTAL, OVERSEAS CONTINGENCY OPERATIONS	**69,000,000**	**–2,401**	**68,997,599**
GRAND TOTAL, NATIONAL DEFENSE	**708,105,458**	**–6,279**	**708,099,179**
Scoring adjustments to account for transfers out already credited to 050 by OMB			
Transfers to non-Defense budget functions	–128,000		–128,000
Subtotal, Budget Sub-Function 051	**–128,000**		**–128,000**
Base National Defense Discretionary Programs that are Not In the Jurisdiction of the Armed Services Committee or Do Not Require Additional Authorization (CBO Estimates)			
Defense Production Act Purchases	39,000		39,000
Indefinite Account: Disposal Of DOD Real Property	8,000		8,000
Indefinite Account: Lease Of DOD Real Property	36,000		36,000
Subtotal, Budget Sub-Function 051	**83,000**		**83,000**
Formerly Utilized Sites Remedial Action Program	120,000		120,000
Subtotal, Budget Sub-Function 053	**120,000**		**120,000**
Other Discretionary Programs	7,819,542		7,819,542
Subtotal, Budget Sub-Function 054	**7,819,542**		**7,819,542**
Total Defense Discretionary Adjustments (050)	**8,022,542**		**8,022,542**
Budget Authority Implication, National Defense Discretionary			
Department of Defense--Military (051)	686,074,558	–200,888	685,873,670
Atomic Energy Defense Activities (053)	21,891,900	108,609	22,000,509
Defense-Related Activities (054)	8,033,542	86,000	8,119,542
Total BA Implication, National Defense Discretionary	**716,000,000**	**–6,279**	**715,993,721**
National Defense Mandatory Programs, Current Law (CBO Baseline)			
Concurrent receipt accrual payments to the Military Retirement Fund	7,720,000		7,720,000

NATIONAL DEFENSE BUDGET AUTHORITY IMPLICATION—Continued

(In Thousands of Dollars)

	FY 2019 Request	Conference Change	Conference Authorized
Revolving, trust and other DOD Mandatory	1,794,000		1,794,000
Offsetting receipts	–1,855,000		–1,855,000
Subtotal, Budget Sub-Function 051	**7,659,000**		**7,659,000**
Energy employees occupational illness compensation programs and other	1,277,000		1,277,000
Subtotal, Budget Sub-Function 053	**1,277,000**		**1,277,000**
Radiation exposure compensation trust fund	50,000		50,000
Payment to CIA retirement fund and other	514,000		514,000
Subtotal, Budget Sub-Function 054	**564,000**		**564,000**
Total National Defense Mandatory (050)	**9,500,000**		**9,500,000**
Budget Authority Implication, National Defense Discretionary and Mandatory			
Department of Defense--Military (051)	693,733,558	–200,888	693,532,670
Atomic Energy Defense Activities (053)	23,168,900	108,609	23,277,509
Defense-Related Activities (054)	8,597,542	86,000	8,683,542
Total BA Implication, National Defense Discretionary and Mandatory	**725,500,000**	**–6,279**	**725,493,721**

TITLE XLI—PROCUREMENT

SEC. 4101. PROCUREMENT.

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	AIRCRAFT PROCUREMENT, ARMY										
	FIXED WING										
002	UTILITY F/W AIRCRAFT		744		744		744				744
003	MQ–1 UAV		43,326		103,326		43,326		60,000		103,326
	MQ–1 Gray Eagle Service Life Extension Program				[60,000]				[60,000]		
004	RQ–11 (RAVEN)		46,416		46,416		46,416				46,416
	ROTARY										
007	AH–64 APACHE BLOCK IIIA REMAN	48	753,248	48	753,248	48	753,248			48	753,248
008	ADVANCE PROCUREMENT (CY)		174,550		174,550		174,550				174,550
009	AH–64 APACHE BLOCK IIIB NEW BUILD	12	284,687	12	284,687	12	284,687	6	168,000	18	452,687
	Additional AH–64Es to address ARNG shortfalls			[6]	[192,000]			[6]	[168,000]		
	Realignment to cover ARNG shortfalls			[–6]	[–192,000]						
010	ADVANCE PROCUREMENT (CY)		58,600		58,600		58,600				58,600
011	UH–60 BLACKHAWK M MODEL (MYP)	49	988,810	54	1,073,810	49	988,810	5	85,000	54	1,073,810
	Additional UH–60Ms for ARNG			[5]	[85,000]			[5]	[85,000]		
012	ADVANCE PROCUREMENT (CY)		106,150		106,150		106,150				106,150
013	UH–60 BLACK HAWK A AND L MODELS	18	146,138	18	146,138	18	146,138			18	146,138
014	CH–47 HELICOPTER	6	99,278	6	99,278	6	99,278			6	99,278
015	ADVANCE PROCUREMENT (CY)		24,235		24,235		24,235				24,235
	MODIFICATION OF AIRCRAFT										
018	UNIVERSAL GROUND CONTROL EQUIPMENT (UAS)		27,114		27,114		27,114				27,114
019	GRAY EAGLE MODS2		97,781		97,781		97,781				97,781
020	MULTI SENSOR ABN RECON (MIP)		52,274		66,274		52,274		14,000		66,274
	Army UFR: program increase				[14,000]				[14,000]		
021	AH–64 MODS		104,996		104,996		104,996				104,996
022	CH–47 CARGO HELICOPTER MODS (MYP)		7,807		7,807		7,807				7,807

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
023	GRCS SEMA MODS (MIP)		5,573		5,573		5,573				5,573
024	ARL SEMA MODS (MIP)		7,522		7,522		7,522				7,522
025	EMARSS SEMA MODS (MIP)		20,448		20,448		20,448				20,448
026	UTILITY/CARGO AIRPLANE MODS		17,719		17,719		17,719				17,719
027	UTILITY HELICOPTER MODS		6,443		16,443		6,443		10,000		16,443
	UH–72A Life-Cycle Sustainability				[10,000]				[10,000]		
028	NETWORK AND MISSION PLAN		123,614		123,614		123,614				123,614
029	COMMS, NAV SURVEILLANCE		161,969		161,969		161,969				161,969
030	DEGRADED VISUAL ENVIRONMENT		30,000		30,000		30,000				30,000
031	GATM ROLLUP		26,848		26,848		26,848				26,848
032	RQ–7 UAV MODS		103,246		154,114		103,246				103,246
	Realignment of EDI APS Unit Set from OCO to Base				[50,868]						
033	UAS MODS		17,644		21,046		17,644				17,644
	Realignment of EDI APS Unit Set from OCO to Base				[3,402]						
	GROUND SUPPORT AVIONICS										
034	AIRCRAFT SURVIVABILITY EQUIPMENT		57,170		57,170		57,170				57,170
035	SURVIVABILITY CM		5,853		5,853		5,853				5,853
036	CMWS		13,496		13,496		13,496				13,496
037	COMMON INFRARED COUNTERMEASURES (CIRCM)		36,839		36,839		36,839				36,839
	OTHER SUPPORT										
038	AVIONICS SUPPORT EQUIPMENT		1,778		1,778		1,778				1,778
039	COMMON GROUND EQUIPMENT		34,818		34,818		34,818				34,818
040	AIRCREW INTEGRATED SYSTEMS		27,243		27,243		27,243				27,243
041	AIR TRAFFIC CONTROL		63,872		63,872		63,872				63,872
042	INDUSTRIAL FACILITIES		1,417		1,417		1,417				1,417
043	LAUNCHER, 2.75 ROCKET		1,901		1,901		1,901				1,901
044	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2		991		991		991				991
	TOTAL AIRCRAFT PROCUREMENT, ARMY	**133**	**3,782,558**	**138**	**4,005,828**	**133**	**3,782,558**	**11**	**337,000**	**144**	**4,119,558**
	MISSILE PROCUREMENT, ARMY										
	SURFACE-TO-AIR MISSILE SYSTEM										
001	LOWER TIER AIR AND MISSILE DEFENSE (AMD)		111,395		111,395		111,395				111,395
002	MSE MISSILE	179	871,276	179	1,131,276	179	871,276			179	871,276

	Realignment of EDI APS Unit Set from OCO to Base				[260,000]					
003	INDIRECT FIRE PROTECTION CAPABILITY INC 2–I		145,636		145,636		645,636	87,000		232,636
	Interim cruise missile defense						[500,000]	[87,000]		
004	ADVANCE PROCUREMENT (CY)		31,286		31,286		31,286	–3,700		27,586
	Ahead of need							[–3,700]		
	AIR-TO-SURFACE MISSILE SYSTEM									
006	JOINT AIR-TO-GROUND MSLS (JAGM)	1,046	276,462	1,046	248,862	1,046	276,462	–27,600	1,046	248,862
	Unit cost and engineering services cost growth				[–27,600]			[–27,600]		
	ANTI-TANK/ASSAULT MISSILE SYS									
008	JAVELIN (AAWS-M) SYSTEM SUMMARY	709	303,665	709	267,465	709	303,665	–84,000	709	219,665
	Forward financed in the FY18 Omnibus for command launch units.				[–50,000]			[–84,000]		
	Realignment of EDI APS Unit Set from OCO to Base				[13,800]					
009	TOW 2 SYSTEM SUMMARY	1,472	105,014	1,472	105,014	1,472	105,014		1,472	105,014
010	ADVANCE PROCUREMENT (CY)		19,949		19,949		19,949			19,949
011	GUIDED MLRS ROCKET (GMLRS)	3,267	359,613	3,267	329,613	3,267	359,613	–30,000	3,267	329,613
	Forward financed in the FY18 Omnibus				[–30,000]			[–30,000]		
012	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	2,214	20,964	2,214	20,964	2,214	20,964		2,214	20,964
013	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS				171,138					
	Realignment of EDI APS Unit Set from OCO to Base				[171,138]					
	MODIFICATIONS									
015	PATRIOT MODS		313,228		333,228		313,228	10,000		323,228
	Increase PATRIOT Mod efforts				[20,000]			[10,000]		
016	ATACMS MODS		221,656		236,656	–82	141,656	–79,800		141,856
	Realignment of EDI APS Unit Set from OCO to Base				[80,000]					
	Requested quantity exceeds maximum				[–65,000]	[–82]	[–80,000]	[–79,800]		
017	GMLRS MOD		266		266		266			266
018	STINGER MODS		94,756		94,756		94,756			94,756
019	AVENGER MODS		48,670		48,670		48,670			48,670
020	ITAS/TOW MODS		3,173		3,173		3,173			3,173
021	MLRS MODS		383,216		505,216		383,216			383,216
	Realignment of EDI APS Unit Set from OCO to Base				[122,000]					
022	HIMARS MODIFICATIONS		10,196		10,196		10,196			10,196
	SPARES AND REPAIR PARTS									
023	SPARES AND REPAIR PARTS		27,737		27,737		27,737			27,737
	SUPPORT EQUIPMENT & FACILITIES									
024	AIR DEFENSE TARGETS		6,417		6,417		6,417			6,417
025	PRODUCTION BASE SUPPORT		1,202		1,202		1,202			1,202
	TOTAL MISSILE PROCUREMENT, ARMY	**8,887**	**3,355,777**	**8,887**	**3,850,115**	**8,805**	**3,775,777**	**–128,100**	**8,887**	**3,227,677**

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	PROCUREMENT OF W&TCV, ARMY										
	TRACKED COMBAT VEHICLES										
001	BRADLEY PROGRAM				205,000						
	Realignment of EDI APS Unit Set from OCO to Base				[205,000]						
002	ARMORED MULTI PURPOSE VEHICLE (AMPV)	131	479,801	131	710,160	131	379,801		–31,148	131	448,653
	Program decrease						[–100,000]		[–31,148]		
	Realignment of EDI APS Unit Set from OCO to Base				[230,359]						
	MODIFICATION OF TRACKED COMBAT VEHICLES										
004	STRYKER (MOD)		287,490		138,190		138,100		–149,300		138,190
	Army requested realignment to WTCV–5				[–149,300]		[–149,390]		[–149,300]		
005	STRYKER UPGRADE	3	21,900	113	360,000	3	171,290	66	203,400	69	225,300
	A1 conversions for 5th SBCT			[61]	[188,800]			[17]	[54,100]		
	Army requested realignment—A1 conversions for 5th SBCT			[49]	[149,300]		[149,390]	[49]	[149,300]		
006	BRADLEY PROGRAM (MOD)		625,424		675,424		301,424		–160,000		465,424
	Program decrease						[–324,000]		[–160,000]		
	Realignment of EDI APS Unit Set from OCO to Base				[50,000]						
007	M109 FOV MODIFICATIONS		26,482		26,482		26,482				26,482
008	PALADIN INTEGRATED MANAGEMENT (PIM)	30	351,802	30	493,802	30	461,802	9	110,000	39	461,802
	Program increase				[75,000]		[110,000]	[9]	[110,000]		
	Realignment of EDI APS Unit Set from OCO to Base				[67,000]						
009	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	26	110,500	26	152,854	26	110,500			26	110,500
	Realignment of EDI APS Unit Set from OCO to Base				[42,354]						
010	ASSAULT BRIDGE (MOD)		2,120		2,120		2,120				2,120
011	ASSAULT BREACHER VEHICLE	12	62,407	12	62,407	12	62,407			12	62,407
012	M88 FOV MODS		4,517		4,517		4,517				4,517
013	JOINT ASSAULT BRIDGE	30	142,255	30	142,255	30	142,255			30	142,255
014	M1 ABRAMS TANK (MOD)		927,600		961,600		927,600				927,600
	Realignment of EDI APS Unit Set from OCO to Base				[34,000]						
015	ABRAMS UPGRADE PROGRAM	95	1,075,999	95	1,530,999	95	1,075,999			95	1,075,999
	Realignment of EDI APS Unit Set from OCO to Base				[455,000]						
	WEAPONS & OTHER COMBAT VEHICLES										
018	M240 MEDIUM MACHINE GUN (7.62MM)		1,955		7,081		1,955		5,000		6,955
	Program Increase—M240L and M240B				[5,000]				[5,000]		

	Realignment of EDI APS Unit Set from OCO to Base				[126]						
019	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S		23,345		23,345		23,345				23,345
020	GUN AUTOMATIC 30MM M230		7,434		7,434		7,434				7,434
021	MACHINE GUN, CAL .50 M2 ROLL		22,330		22,330		22,330				22,330
022	MORTAR SYSTEMS		12,470		12,650		12,470				12,470
	Realignment of EDI APS Unit Set from OCO to Base				[180]						
023	XM320 GRENADE LAUNCHER MODULE (GLM)		697		697		697				697
024	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM		46,236		46,236		46,236				46,236
025	CARBINE		69,306		71,106		69,306				69,306
	Realignment of EDI APS Unit Set from OCO to Base				[1,800]						
026	SMALL ARMS—FIRE CONTROL		7,929		7,929		7,929				7,929
027	COMMON REMOTELY OPERATED WEAPONS STATION		35,968		39,346		35,968				35,968
	Realignment of EDI APS Unit Set from OCO to Base				[3,378]						
028	HANDGUN		48,251		48,251		48,251				48,251
	MOD OF WEAPONS AND OTHER COMBAT VEH										
029	MK–19 GRENADE MACHINE GUN MODS		1,684		1,684		1,684				1,684
030	M777 MODS		3,086		3,086		3,086				3,086
031	M4 CARBINE MODS		31,575		35,775		31,575		4,200		35,775
	Additional free-float forward extended rails				[4,200]				[4,200]		
032	M2 50 CAL MACHINE GUN MODS		21,600		26,520		21,600				21,600
	Realignment of EDI APS Unit Set from OCO to Base				[4,920]						
033	M249 SAW MACHINE GUN MODS		3,924		3,924		3,924				3,924
034	M240 MEDIUM MACHINE GUN MODS		6,940		6,947		6,940				6,940
	Realignment of EDI APS Unit Set from OCO to Base				[7]						
035	SNIPER RIFLES MODIFICATIONS		2,747		2,747		2,747				2,747
036	M119 MODIFICATIONS		5,704		5,704		5,704				5,704
037	MORTAR MODIFICATION		3,965		3,965		3,965				3,965
038	MODIFICATIONS LESS THAN $5.0M (WOCV-WTCV)		5,577		5,577		5,577				5,577
	SUPPORT EQUIPMENT & FACILITIES										
039	ITEMS LESS THAN $5.0M (WOCV-WTCV)		3,174		4,571		3,174				3,174
	Realignment of EDI APS Unit Set from OCO to Base				[1,397]						
040	PRODUCTION BASE SUPPORT (WOCV-WTCV)		3,284		3,284		3,284				3,284
041	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG)		1,640		1,640		1,640				1,640
	TOTAL PROCUREMENT OF W&TCV, ARMY	**327**	**4,489,118**	**437**	**5,857,639**	**327**	**4,175,118**	**75**	**–17,848**	**402**	**4,471,270**
	PROCUREMENT OF AMMUNITION, ARMY										
	SMALL/MEDIUM CAL AMMUNITION										
001	CTG, 5.56MM, ALL TYPES		41,848		45,240		35,148				41,848
	FY2018 Omnibus forward finance						[–6,700]				
	Realignment of EDI APS Unit Set from OCO to Base				[3,392]						

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(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
002	CTG, 7.62MM, ALL TYPES		86,199		86,239		86,199				86,199
	Realignment of EDI APS Unit Set from OCO to Base				[40]						
003	CTG, HANDGUN, ALL TYPES		20,158		20,175		20,158				20,158
	Realignment of EDI APS Unit Set from OCO to Base				[17]						
004	CTG, .50 CAL, ALL TYPES		65,573		65,762		65,573				65,573
	Realignment of EDI APS Unit Set from OCO to Base				[189]						
005	CTG, 20MM, ALL TYPES		8,198		8,198		8,198				8,198
007	CTG, 30MM, ALL TYPES		77,995		102,995		77,995				77,995
	Realignment of EDI APS Unit Set from OCO to Base				[25,000]						
008	CTG, 40MM, ALL TYPES		69,781		69,781		69,781				69,781
	MORTAR AMMUNITION										
009	60MM MORTAR, ALL TYPES		45,280		45,498		45,280				45,280
	Realignment of EDI APS Unit Set from OCO to Base				[218]						
010	81MM MORTAR, ALL TYPES		46,853		47,337		46,853				46,853
	Realignment of EDI APS Unit Set from OCO to Base				[484]						
011	120MM MORTAR, ALL TYPES		83,003		83,003		83,003				83,003
	TANK AMMUNITION										
012	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES		168,101		168,101		168,101				168,101
	ARTILLERY AMMUNITION										
013	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES		39,341		39,341		39,341				39,341
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES		211,442		290,842		211,442				211,442
	Realignment of EDI APS Unit Set from OCO to Base				[79,400]						
015	PROJ 155MM EXTENDED RANGE M982	1,189	100,906	1,189	152,606	1,189	100,906			1,189	100,906
	Realignment of EDI APS Unit Set from OCO to Base				[51,700]						
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL		236,677		268,577		136,677		–30,000		206,677
	Program decrease				[–17,000]		[–100,000]		[–30,000]		
	Realignment of EDI APS Unit Set from OCO to Base				[48,900]						
	MINES										
017	MINES & CLEARING CHARGES, ALL TYPES		15,905		15,905		15,905				15,905
	ROCKETS										
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES		4,503	1,572	31,745		4,503	1572	25,000	1,572	29,503
	Army UFR: bunker defeat munitions			[1,572]	[25,000]			[1,572]	[25,000]		
	Realignment of EDI APS Unit Set from OCO to Base				[2,242]						

019	ROCKET, HYDRA 70, ALL TYPES		211,211	20,000	241,211		211,211	20000	30,000	20,000	241,211
	Army UFR: additional HYDRA rockets			[20,000]	[30,000]			[20,000]	[30,000]		
	OTHER AMMUNITION										
020	CAD/PAD, ALL TYPES		10,428		10,428		10,428				10,428
021	DEMOLITION MUNITIONS, ALL TYPES		44,656		44,661		44,656				44,656
	Realignment of EDI APS Unit Set from OCO to Base				[5]						
022	GRENADES, ALL TYPES		19,896		19,904		19,896				19,896
	Realignment of EDI APS Unit Set from OCO to Base				[8]						
023	SIGNALS, ALL TYPES		10,121		10,121		10,121				10,121
024	SIMULATORS, ALL TYPES		11,464		11,464		11,464				11,464
	MISCELLANEOUS										
025	AMMO COMPONENTS, ALL TYPES		5,224		5,224		5,224				5,224
026	NON-LETHAL AMMUNITION, ALL TYPES		4,310		4,310		4,310				4,310
027	ITEMS LESS THAN $5 MILLION (AMMO)		11,193		11,259		11,193				11,193
	Realignment of EDI APS Unit Set from OCO to Base				[66]						
028	AMMUNITION PECULIAR EQUIPMENT		10,500		10,500		10,500				10,500
029	FIRST DESTINATION TRANSPORTATION (AMMO)		18,456		18,456		18,456				18,456
030	CLOSEOUT LIABILITIES		100		100		100				100
	PRODUCTION BASE SUPPORT										
032	INDUSTRIAL FACILITIES		394,133		394,133		394,133				394,133
033	CONVENTIONAL MUNITIONS DEMILITARIZATION		157,535		157,535		157,535				157,535
034	ARMS INITIATIVE		3,771		3,771		3,771				3,771
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	**1,189**	**2,234,761**	**22,761**	**2,484,422**	**1,189**	**2,128,061**	**21,572**	**25,000**	**22,761**	**2,259,761**
	OTHER PROCUREMENT, ARMY										
	TACTICAL VEHICLES										
001	TACTICAL TRAILERS/DOLLY SETS		16,512		16,512		16,512				16,512
002	SEMITRAILERS, FLATBED:		16,951		24,951		16,951				16,951
	Realignment of EDI APS Unit Set from OCO to Base				[8,000]						
003	AMBULANCE, 4 LITTER, 5/4 TON, 4X4		50,123		70,893		50,123				50,123
	Realignment of EDI APS Unit Set from OCO to Base				[20,770]						
004	GROUND MOBILITY VEHICLES (GMV)		46,988		36,988		46,988		–4,293		42,695
	Unobligated Balances				[–10,000]				[–4,293]		
005	ARNG HMMWV MODERNIZATION PROGRAM				25,000				25,000		25,000
	Additional HMMWVs				[25,000]				[25,000]		
006	JOINT LIGHT TACTICAL VEHICLE		1,319,436		1,319,436		1,069,436		–32,036		1,287,400
	Program reduction						[–250,000]		[–32,036]		
007	TRUCK, DUMP, 20T (CCE)		6,480		6,480		6,480				6,480
008	FAMILY OF MEDIUM TACTICAL VEH (FMTV)		132,882		132,882		132,882				132,882
009	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP		14,842		14,842		14,842				14,842

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)		138,105		253,505		138,105		–15,219		122,886
	CLS contract award delay								[–15,219]		
	Realignment of EDI APS Unit Set from OCO to Base				[115,400]						
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV		31,892		38,574		31,892		–1,514		30,378
	Realignment of EDI APS Unit Set from OCO to Base				[6,682]						
	Unit cost growth								[–1,514]		
013	TACTICAL WHEELED VEHICLE PROTECTION KITS		38,128		88,128		38,128				38,128
	Realignment of EDI APS Unit Set from OCO to Base				[50,000]						
014	MODIFICATION OF IN SVC EQUIP		78,507		78,884		78,507				78,507
	Realignment of EDI APS Unit Set from OCO to Base				[377]						
015	MINE-RESISTANT AMBUSH-PROTECTED (MRAP) MODS				27,000						
	SFAB emerging requirements				[27,000]						
	NON-TACTICAL VEHICLES										
016	HEAVY ARMORED VEHICLE		790		790		790				790
017	PASSENGER CARRYING VEHICLES		1,390		1,390		1,390				1,390
018	NONTACTICAL VEHICLES, OTHER		15,415		15,415		15,415				15,415
	COMM—JOINT COMMUNICATIONS										
020	SIGNAL MODERNIZATION PROGRAM		150,777		150,777		150,777		–60,850		89,927
	Requirement funded in fiscal year 2018								[–41,000]		
	SBU VSAT and gateway unjustified request								[–19,850]		
021	TACTICAL NETWORK TECHNOLOGY MOD IN SVC		469,117		533,117		469,117		50,250		519,367
	Additional TCN-L, NOSC-L, and next generation embedded kits for IBCTs and SBCTs.				[64,000]				[56,000]		
	Program management excess growth								[–5,750]		
022	SITUATION INFORMATION TRANSPORT		62,727		62,727		62,727				62,727
023	JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY		13,895		13,895		13,895				13,895
024	JCSE EQUIPMENT (USREDCOM)		4,866		4,866		4,866				4,866
	COMM—SATELLITE COMMUNICATIONS										
027	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS		108,133		108,133		108,133				108,133
028	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS		56,737		56,737		56,737				56,737
029	SHF TERM		13,100		13,100		13,100				13,100
030	SMART-T (SPACE)		9,160		9,160		9,160				9,160
031	GLOBAL BRDCST SVC—GBS		25,647		25,647		25,647				25,647

032	ENROUTE MISSION COMMAND (EMC)	37,401	37,401	37,401		37,401
	COMM—C3 SYSTEM					
036	COE TACTICAL SERVER INFRASTRUCTURE (TSI)	20,500	20,500	20,500		20,500
	COMM—COMBAT COMMUNICATIONS					
037	JOINT TACTICAL RADIO SYSTEM		1,560			
	Realignment of EDI APS Unit Set from OCO to Base		[1,560]			
038	HANDHELD MANPACK SMALL FORM FIT (HMS)	351,565	351,565	351,565	–51,591	299,974
	Requirement funded in fiscal year 2018				[–51,591]	
040	RADIO TERMINAL SET, MIDS LVT(2)	4,641	4,641	4,641		4,641
041	TRACTOR DESK	2,187	2,187	2,187		2,187
042	TRACTOR RIDE	9,411	22,611	9,411		9,411
	Army UFR: program increase		[13,200]			
044	SPIDER FAMILY OF NETWORKED MUNITIONS INCR	17,515	17,515	17,515		17,515
045	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM	819	819	819		819
046	UNIFIED COMMAND SUITE	17,807	17,807	17,807		17,807
047	COTS COMMUNICATIONS EQUIPMENT	191,835	208,835	191,835	–128,000	63,835
	Program decrease		[–5,000]			
	Realignment of EDI APS Unit Set from OCO to Base		[22,000]			
	Requirement funded in fiscal year 2018				[–128,000]	
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	25,177	25,177	25,177		25,177
	COMM—INTELLIGENCE COMM					
050	CI AUTOMATION ARCHITECTURE (MIP)	9,740	9,740	9,740		9,740
051	DEFENSE MILITARY DECEPTION INITIATIVE	2,667	2,667	2,667		2,667
	INFORMATION SECURITY					
053	FAMILY OF BIOMETRICS	8,319	8,319	8,319		8,319
054	INFORMATION SYSTEM SECURITY PROGRAM-ISSP	2,000	2,000	2,000		2,000
055	COMMUNICATIONS SECURITY (COMSEC)	88,337	88,340	88,337		88,337
	Realignment of EDI APS Unit Set from OCO to Base		[3]			
056	DEFENSIVE CYBER OPERATIONS	51,343	51,343	51,343		51,343
057	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO	330	330	330		330
058	PERSISTENT CYBER TRAINING ENVIRONMENT	3,000	3,000	3,000		3,000
	COMM—LONG HAUL COMMUNICATIONS					
059	BASE SUPPORT COMMUNICATIONS	34,434	34,434	34,434		34,434
	COMM—BASE COMMUNICATIONS					
060	INFORMATION SYSTEMS	95,558	95,558	95,558	–13,949	81,609
	ARCYBER funded in excess to requirement				[–13,949]	
061	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM	4,736	4,736	4,736		4,736
062	HOME STATION MISSION COMMAND CENTERS (HSMCC)	24,479	24,479	24,479		24,479
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	216,433	225,483	216,433	–20,000	196,433
	Excess hardware growth				[–20,000]	

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Realignment of EDI APS Unit Set from OCO to Base				[9,050]						
	ELECT EQUIP—TACT INT REL ACT (TIARA)										
066	JTT/CIBS-M (MIP)		10,268		10,268		10,268				10,268
068	DCGS-A (MIP)		261,863		261,863		261,863				261,863
069	JOINT TACTICAL GROUND STATION (JTAGS) (MIP)		5,434		5,434		5,434				5,434
070	TROJAN (MIP)		20,623		21,223		20,623				20,623
	Realignment of EDI APS Unit Set from OCO to Base				[600]						
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)		45,998		45,998		47,798				45,998
	SOUTHCOM SIGINT Suite COMSAT RF						[1,800]				
072	CI HUMINT AUTO REPRTING & COLL(CHARCS)(MIP)		296		296		296				296
076	ITEMS LESS THAN $5.0M (MIP)		410		410		410				410
	ELECT EQUIP—ELECTRONIC WARFARE (EW)										
077	LIGHTWEIGHT COUNTER MORTAR RADAR		9,165		9,165		9,165				9,165
078	EW PLANNING & MANAGEMENT TOOLS (EWPMT)		5,875		5,875		5,875				5,875
079	AIR VIGILANCE (AV) (MIP)		8,497		8,497		8,497				8,497
083	CI MODERNIZATION (MIP)		486		486		486				486
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)										
084	SENTINEL MODS		79,629		79,629		79,629				79,629
085	NIGHT VISION DEVICES		153,180		153,266		153,180				153,180
	Realignment of EDI APS Unit Set from OCO to Base				[86]						
086	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM				2,861						
	Realignment of EDI APS Unit Set from OCO to Base				[2,861]						
087	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF		22,882		22,882		22,882				22,882
088	RADIATION MONITORING SYSTEMS		17,393		17,404		17,393				17,393
	Realignment of EDI APS Unit Set from OCO to Base				[11]						
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS		46,740		47,002		46,740		–6,305		40,435
	C-RAM enhancements fielding unjustified request								[–6,305]		
	Realignment of EDI APS Unit Set from OCO to Base				[262]						
091	FAMILY OF WEAPON SIGHTS (FWS)		140,737		131,962		140,737		–9,300		131,437
	Realignment of EDI APS Unit Set from OCO to Base				[525]						
	Unexecutable funds				[–9,300]				[–9,300]		
093	PROFILER		171		171		171				171
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P)		405,239		431,385		405,239		–13,358		391,881

	Realignment of EDI APS Unit Set from OCO to Base		[26,146]		
	Requirement funded in fiscal year 2018			[–13,358]	
095	JOINT EFFECTS TARGETING SYSTEM (JETS)	66,574	66,574	66,574	66,574
096	MOD OF IN-SVC EQUIP (LLDR)	20,783	24,833	20,783	20,783
	Realignment of EDI APS Unit Set from OCO to Base		[4,050]		
097	COMPUTER BALLISTICS: LHMBC XM32	8,553	8,553	8,553	8,553
098	MORTAR FIRE CONTROL SYSTEM	21,489	21,489	21,489	21,489
099	COUNTERFIRE RADARS	162,121	162,121	162,121	162,121
	ELECT EQUIP—TACTICAL C2 SYSTEMS				
100	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE (	2,855	2,855	2,855	2,855
101	FIRE SUPPORT C2 FAMILY	19,153	19,153	19,153	19,153
102	AIR & MSL DEFENSE PLANNING & CONTROL SYS	33,837	33,837	33,837	33,837
103	LIFE CYCLE SOFTWARE SUPPORT (LCSS)	5,136	5,136	5,136	5,136
104	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	18,329	18,329	18,329	18,329
105	MANEUVER CONTROL SYSTEM (MCS)	38,015	38,015	38,015	38,015
106	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A)	15,164	15,164	15,164	15,164
107	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP	29,239	29,239	29,239	29,239
109	RECONNAISSANCE AND SURVEYING INSTRUMENT SET	6,823	6,823	6,823	6,823
110	MOD OF IN-SVC EQUIPMENT (ENFIRE)	1,177	1,177	1,177	1,177
	ELECT EQUIP—AUTOMATION				
111	ARMY TRAINING MODERNIZATION	12,265	12,265	12,265	12,265
112	AUTOMATED DATA PROCESSING EQUIP	201,875	201,875	186,875	201,875
	Consolidating more IT purchases			[–15,000]	
113	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM	10,976	10,976	10,976	10,976
114	HIGH PERF COMPUTING MOD PGM (HPCMP)	66,330	66,330	66,330	66,330
115	CONTRACT WRITING SYSTEM	5,927	5,927	5,927	5,927
116	RESERVE COMPONENT AUTOMATION SYS (RCAS)	27,896	27,896	27,896	27,896
	ELECT EQUIP—AUDIO VISUAL SYS (A/V)				
117	TACTICAL DIGITAL MEDIA	4,392	4,392	4,392	4,392
118	ITEMS LESS THAN $5M (SURVEYING EQUIPMENT)	1,970	1,970	1,970	1,970
	ELECT EQUIP—SUPPORT				
119	PRODUCTION BASE SUPPORT (C-E)	506	506	506	506
	CLASSIFIED PROGRAMS				
120A	CLASSIFIED PROGRAMS	4,501	4,501	4,501	4,501
	CHEMICAL DEFENSIVE EQUIPMENT				
121	PROTECTIVE SYSTEMS	2,314	2,341	2,314	2,314
	Realignment of EDI APS Unit Set from OCO to Base		[27]		
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	7,478	7,478	7,478	7,478
124	CBRN DEFENSE	173,954	174,271	173,954	173,954
	Realignment of EDI APS Unit Set from OCO to Base		[317]		

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	BRIDGING EQUIPMENT										
125	TACTICAL BRIDGING		98,229		98,229		98,229				98,229
126	TACTICAL BRIDGE, FLOAT-RIBBON		64,438		64,438		64,438				64,438
127	COMMON BRIDGE TRANSPORTER (CBT) RECAP		79,916		79,916		79,916				79,916
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT										
128	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST		8,471		8,471		8,471				8,471
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)		29,883		29,883		29,883				29,883
130	AREA MINE DETECTION SYSTEM (AMDS)		11,594		11,595		11,594				11,594
	Realignment of EDI APS Unit Set from OCO to Base				[1]						
131	HUSKY MOUNTED DETECTION SYSTEM (HMDS)		40,834		40,834		40,834				40,834
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)		4,029		4,029		4,029				4,029
133	EOD ROBOTICS SYSTEMS RECAPITALIZATION		14,208		14,208		14,208				14,208
134	ROBOTICS AND APPLIQUE SYSTEMS		31,456		31,456		31,456				31,456
136	REMOTE DEMOLITION SYSTEMS		1,748		1,749		1,748				1,748
	Realignment of EDI APS Unit Set from OCO to Base				[1]						
137	< $5M, COUNTERMINE EQUIPMENT		7,829		7,829		7,829				7,829
138	FAMILY OF BOATS AND MOTORS		5,806		5,806		5,806				5,806
	COMBAT SERVICE SUPPORT EQUIPMENT										
139	HEATERS AND ECU'S		9,852		9,852		9,852				9,852
140	SOLDIER ENHANCEMENT		1,103		1,103		1,103				1,103
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)		5,875		5,875		5,875				5,875
142	GROUND SOLDIER SYSTEM		92,487		92,487		92,487		–56,000		36,487
	Requirement funded in fiscal year 2018								[–56,000]		
143	MOBILE SOLDIER POWER		30,774		30,774		30,774				30,774
145	FIELD FEEDING EQUIPMENT		17,521		17,521		17,521				17,521
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM		44,855		44,855		44,855				44,855
147	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS		17,173		17,173		17,173				17,173
148	ITEMS LESS THAN $5M (ENG SPT)		2,000		2,000		2,000				2,000
	PETROLEUM EQUIPMENT										
149	QUALITY SURVEILLANCE EQUIPMENT		1,770		1,770		1,770				1,770
150	DISTRIBUTION SYSTEMS, PETROLEUM & WATER		39,730		39,730		39,730				39,730
	MEDICAL EQUIPMENT										
151	COMBAT SUPPORT MEDICAL		57,752		77,752		57,752				57,752

	Simulators and other technologies to reduce the use of live animal tissue for medical training.		[20,000]			
	MAINTENANCE EQUIPMENT					
152	MOBILE MAINTENANCE EQUIPMENT SYSTEMS	37,722	37,722	37,722		37,722
153	ITEMS LESS THAN $5.0M (MAINT EQ)	4,985	5,253	4,985		4,985
	Realignment of EDI APS Unit Set from OCO to Base		[268]			
	CONSTRUCTION EQUIPMENT					
155	SCRAPERS, EARTHMOVING	7,961	7,961	7,961		7,961
156	HYDRAULIC EXCAVATOR	1,355	1,355	1,355		1,355
158	ALL TERRAIN CRANES	13,031	13,031	13,031		13,031
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	46,048	46,048	46,048		46,048
160	ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP	980	8,480	980	7,500	8,480
	Program increase—additional ERACC systems		[7,500]		[7,500]	
161	CONST EQUIP ESP	37,017	37,017	37,017		37,017
162	ITEMS LESS THAN $5.0M (CONST EQUIP)	6,103	6,103	6,103		6,103
	RAIL FLOAT CONTAINERIZATION EQUIPMENT					
163	ARMY WATERCRAFT ESP	27,711	27,711	27,711		27,711
164	ITEMS LESS THAN $5.0M (FLOAT/RAIL)	8,385	8,385	8,385		8,385
	GENERATORS					
165	GENERATORS AND ASSOCIATED EQUIP	133,772	133,772	133,772		133,772
166	TACTICAL ELECTRIC POWER RECAPITALIZATION	8,333	8,333	8,333		8,333
	MATERIAL HANDLING EQUIPMENT					
167	FAMILY OF FORKLIFTS	12,901	12,901	12,901		12,901
	TRAINING EQUIPMENT					
168	COMBAT TRAINING CENTERS SUPPORT	123,228	123,228	123,228		123,228
169	TRAINING DEVICES, NONSYSTEM	228,598	228,598	228,598		228,598
170	CLOSE COMBAT TACTICAL TRAINER	33,080	33,080	33,080		33,080
171	AVIATION COMBINED ARMS TACTICAL TRAINER	32,700	32,700	32,700		32,700
172	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING	25,161	25,161	25,161		25,161
	TEST MEASURE AND DIG EQUIPMENT (TMD)					
173	CALIBRATION SETS EQUIPMENT	4,270	4,270	4,270		4,270
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	76,295	85,790	76,295		76,295
	Realignment of EDI APS Unit Set from OCO to Base		[9,495]			
175	TEST EQUIPMENT MODERNIZATION (TEMOD)	9,806	9,806	9,806		9,806
	OTHER SUPPORT EQUIPMENT					
176	M25 STABILIZED BINOCULAR	4,368	4,401	4,368		4,368
	Realignment of EDI APS Unit Set from OCO to Base		[33]			
177	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	9,879	9,879	9,879		9,879
178	PHYSICAL SECURITY SYSTEMS (OPA3)	54,043	54,043	54,043		54,043
179	BASE LEVEL COMMON EQUIPMENT	6,633	6,633	6,633		6,633

SEC. 4101. PROCUREMENT
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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
180	MODIFICATION OF IN-SVC EQUIPMENT (OPA–3)		49,797		49,797		49,797				49,797
181	PRODUCTION BASE SUPPORT (OTH)		2,301		2,301		2,301				2,301
182	SPECIAL EQUIPMENT FOR USER TESTING		11,608		11,608		11,608				11,608
183	TRACTOR YARD		4,956		4,956		4,956				4,956
	OPA2										
184	INITIAL SPARES—C&E		9,817		9,817		9,817				9,817
	TOTAL OTHER PROCUREMENT, ARMY		**7,999,529**		**8,410,454**		**7,736,329**		**–329,665**		**7,669,864**
	AIRCRAFT PROCUREMENT, NAVY										
	COMBAT AIRCRAFT										
001	F/A–18E/F (FIGHTER) HORNET	24	1,937,553	24	1,907,553	24	1,937,553		–56,249	24	1,881,304
	Excess NRE and Support Costs				[–30,000]				[–56,249]		
002	ADVANCE PROCUREMENT (CY)		58,799		58,799		58,799				58,799
003	JOINT STRIKE FIGHTER CV	9	1,144,958	9	1,132,058	8	1,023,958		–12,900	9	1,132,058
	Production Effiencies				[–12,900]				[–12,900]		
	Program Realignment					[–1]	[–121,000]				
004	ADVANCE PROCUREMENT (CY)		140,010		140,010		140,010				140,010
005	JSF STOVL	20	2,312,847	20	2,276,547	20	2,312,847		–36,300	20	2,276,547
	Production Efficiences				[–36,300]				[–36,300]		
006	ADVANCE PROCUREMENT (CY)		228,492		228,492		228,492				228,492
007	CH–53K (HEAVY LIFT)	8	1,113,804	8	1,089,804	8	1,113,804		–45,378	8	1,068,426
	Support cost growth				[–24,000]				[–45,378]		
008	ADVANCE PROCUREMENT (CY)		161,079		161,079		161,079				161,079
009	V–22 (MEDIUM LIFT)	7	806,337	7	806,337	7	806,337		–22,000	7	784,337
	Unit cost savings								[–22,000]		
010	ADVANCE PROCUREMENT (CY)		36,955		36,955		36,955				36,955
011	H–1 UPGRADES (UH–1Y/AH–1Z)	25	820,755	25	820,755	25	820,755			25	820,755
014	P–8A POSEIDON	10	1,803,753	10	1,777,753	10	1,803,753		–25,000	10	1,778,753
	Excessive CFE Electronics cost growth				[–5,000]				[–5,000]		
	Excessive GFE Electronics cost growth				[–1,000]						
	Excessive support cost growth				[–20,000]				[–20,000]		
015	ADVANCE PROCUREMENT (CY)		180,000		180,000		180,000				180,000
016	E–2D ADV HAWKEYE	4	742,693	4	726,393	5	917,693	1	161,500	5	904,193

	Excessive CFE cost growth				[–5,800]						
	Excessive Non-reoccurring cost growth				[–2,900]						
	Excessive Other ILS cost growth				[–1,700]						
	Excessive peculiar equipment cost growth				[–5,900]						
	Unit cost savings								[–8,500]		
	UPL—1 additional Aircraft					[1]	[175,000]	[1]	[170,000]		
017	ADVANCE PROCUREMENT (CY)		240,734		240,734		240,734				240,734
017A	O/A-X LIGHT ATTACK AIRCRAFT						100,000				
	Initial procurement for light attack aircraft						[100,000]				
	AIRLIFT AIRCRAFT										
018	C–40A	2	206,000					–2	–206,000		
	Forward financed in the FY18 Omnibus			[–2]	[–206,000]	[–2]	[–206,000]	[–2]	[–206,000]		
	OTHER AIRCRAFT										
020	KC–130J	2	160,433	2	160,433	2	160,433			2	160,433
021	ADVANCE PROCUREMENT (CY)		110,013		110,013		110,013		–7,963		102,050
	Excess growth								[–7,963]		
022	MQ–4 TRITON	3	568,743	3	544,793	3	568,743		–23,950	3	544,793
	Unit and support cost growth				[–23,950]				[–23,950]		
023	ADVANCE PROCUREMENT (CY)		58,522		58,522		58,522				58,522
024	MQ–8 UAV		54,761		54,761		54,761				54,761
025	STUASL0 UAV		14,866		14,866		14,866				14,866
026	VH–92A EXECUTIVE HELO	6	649,015	6	649,015	6	649,015			6	649,015
026A	UAV						100,000				
	Procurement of UAV						[100,000]				
	MODIFICATION OF AIRCRAFT										
027	AEA SYSTEMS		25,277		25,277		25,277				25,277
028	AV–8 SERIES		58,577		58,577		58,577				58,577
029	ADVERSARY		14,606		14,606		14,606				14,606
030	F–18 SERIES		1,213,482		1,210,982		1,227,382		11,400		1,224,882
	Program decrease				[–2,500]				[–2,500]		
	UPL—EA–18G Advanced Modes / Cognitive EW						[13,900]		[13,900]		
031	H–53 SERIES		70,997		70,997		70,997				70,997
032	SH–60 SERIES		130,661		130,661		130,661				130,661
033	H–1 SERIES		87,143		87,143		87,143				87,143
034	EP–3 SERIES		3,633		3,633		3,633				3,633
035	P–3 SERIES		803		803		803				803
036	E–2 SERIES		88,780		88,780		88,780		–7,800		80,980
	Installations early to need (OSIP 002–18)								[–7,800]		
037	TRAINER A/C SERIES		11,660		11,660		11,660				11,660
038	C–2A		11,327		11,327		11,327		–3,000		8,327

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Forward financed								[–3,000]		
039	C–130 SERIES		79,075		79,075		79,075		–6,923		72,152
	Forward financed								[–6,923]		
040	FEWSG		597		597		597				597
041	CARGO/TRANSPORT A/C SERIES		8,932		8,932		8,932				8,932
042	E–6 SERIES		181,821		181,821		181,821		–1,328		180,493
	Excess installation costs								[–1,328]		
043	EXECUTIVE HELICOPTERS SERIES		23,566		23,566		23,566				23,566
044	SPECIAL PROJECT AIRCRAFT		7,620		7,620		7,620				7,620
045	T–45 SERIES		195,475		195,475		195,475				195,475
046	POWER PLANT CHANGES		21,521		21,521		21,521				21,521
047	JPATS SERIES		27,644		27,644		27,644				27,644
048	AVIATION LIFE SUPPORT MODS		15,864		15,864		15,864				15,864
049	COMMON ECM EQUIPMENT		166,306		191,306	43	191,306		25,000		191,306
	Navy UFR: F/A–18E/F Super Hornet Adaptive RADAR countermeasures.				[25,000]	[43]	[25,000]		[25,000]		
050	COMMON AVIONICS CHANGES		117,551		112,551		117,551				117,551
	Program decrease				[–5,000]						
051	COMMON DEFENSIVE WEAPON SYSTEM		1,994		1,994		1,994				1,994
052	ID SYSTEMS		40,696		40,696		40,696				40,696
053	P–8 SERIES		71,251		71,251		71,251				71,251
054	MAGTF EW FOR AVIATION		11,590		11,590		11,590				11,590
055	MQ–8 SERIES		37,907		37,907		37,907				37,907
057	V–22 (TILT/ROTOR ACFT) OSPREY		214,820		214,820		214,820		–3,120		211,700
	Excess support costs								[–3,120]		
058	NEXT GENERATION JAMMER (NGJ)		952		952		952		–952		
	Early to need								[–952]		
059	F–35 STOVL SERIES		36,618		36,618		70,118				36,618
	F–35B Modifications Increase						[33,500]				
060	F–35 CV SERIES		21,236		21,236		26,236				21,236
	F–35C Modifications Increase						[5,000]				
061	QRC		101,499		101,499		101,499				101,499
062	MQ–4 SERIES		48,278		48,278		48,278				48,278

063	RQ–21 SERIES		6,904		6,904		6,904				6,904
	AIRCRAFT SPARES AND REPAIR PARTS										
064	SPARES AND REPAIR PARTS		1,792,920		1,832,920		1,842,920		50,000		1,842,920
	F–35B and F–35C spares quantity increase				[40,000]		[50,000]		[50,000]		
	AIRCRAFT SUPPORT EQUIP & FACILITIES										
065	COMMON GROUND EQUIPMENT		421,606		411,606		421,606		–10,000		411,606
	Program decrease				[–10,000]				[–10,000]		
066	AIRCRAFT INDUSTRIAL FACILITIES		24,496		24,496		24,496				24,496
067	WAR CONSUMABLES		42,108		42,108		42,108				42,108
068	OTHER PRODUCTION CHARGES		1,444		1,444		1,444				1,444
069	SPECIAL SUPPORT EQUIPMENT		49,489		49,489		49,489				49,489
070	FIRST DESTINATION TRANSPORTATION		1,951		1,951		1,951				1,951
	TOTAL AIRCRAFT PROCUREMENT, NAVY	**120**	**19,041,799**	**118**	**18,713,849**	**161**	**19,217,199**	**–1**	**–220,963**	**119**	**18,820,836**
	WEAPONS PROCUREMENT, NAVY										
	MODIFICATION OF MISSILES										
001	TRIDENT II MODS		1,078,750		1,078,750		1,078,750				1,078,750
	SUPPORT EQUIPMENT & FACILITIES										
002	MISSILE INDUSTRIAL FACILITIES		6,998		6,998		6,998				6,998
	STRATEGIC MISSILES										
003	TOMAHAWK		98,570	198	213,370		98,570		–20,164		78,406
	Forward financed in the FY18 Omnibus				[–81,000]						
	Program Increase—198 missile			[198]	[216,000]						
	Shutdown costs early to need				[–20,200]				[–20,164]		
	TACTICAL MISSILES										
004	AMRAAM	140	211,058	140	211,058	140	211,058			140	211,058
005	SIDEWINDER	191	77,927	250	122,927	249	122,927	59	45,000	250	122,927
	Navy UFR: additional AIM 9–X missiles			[59]	[45,000]	[58]	[45,000]	[59]	[45,000]		
006	JSOW		1,330		1,330		1,330				1,330
007	STANDARD MISSILE	125	490,210	125	490,210	125	490,210			125	490,210
008	ADVANCE PROCUREMENT (CY)		125,683		125,683		125,683				125,683
009	SMALL DIAMETER BOMB II	750	91,272	750	91,272	750	91,272			750	91,272
010	RAM	120	96,221	120	93,921	120	96,221			120	96,221
	Excess Production Support				[–2,300]						
011	JOINT AIR GROUND MISSILE (JAGM)	75	24,109	75	24,109	75	24,109			75	24,109
014	STAND OFF PRECISION GUIDED MUNITIONS (SOPGM)	31	11,378	31	11,378	31	11,378			31	11,378
015	AERIAL TARGETS		137,137		137,137		137,137				137,137
016	OTHER MISSILE SUPPORT		3,318		3,318		3,318				3,318
017	LRASM	25	81,190	35	111,190	35	111,190	10	30,000	35	111,190
	Navy Unfunded Requirement			[10]	[30,000]	[10]	[30,000]	[10]	[30,000]		

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
018	LCS OTH MISSILE	8	18,156	8	18,156	8	18,156			8	18,156
	MODIFICATION OF MISSILES										
019	ESSM	45	98,384	45	96,384	45	98,384			45	98,384
	Excess Production Support				[–2,000]						
020	HARPOON MODS		14,840		14,840	48	26,840	48	12,000	48	26,840
	Navy UPL: Increase to max capacity					[48]	[12,000]	[48]	[12,000]		
021	HARM MODS		187,985		187,985	–200	74,085				187,985
	Reduce procurement due to test results					[–200]	[–113,900]				
	SUPPORT EQUIPMENT & FACILITIES										
023	WEAPONS INDUSTRIAL FACILITIES		2,006		2,006		2,006				2,006
024	FLEET SATELLITE COMM FOLLOW-ON		66,779		66,779		66,779				66,779
	ORDNANCE SUPPORT EQUIPMENT										
025	ORDNANCE SUPPORT EQUIPMENT		62,008		62,008		62,008				62,008
	TORPEDOES AND RELATED EQUIP										
026	SSTD		6,353		6,353		6,353				6,353
027	MK–48 TORPEDO	45	92,616	50	103,616	50	103,616	5	11,000	50	103,616
	Navy Unfunded Requirement			[5]	[11,000]	[5]	[11,000]	[5]	[11,000]		
028	ASW TARGETS		12,324		12,324		12,324				12,324
	MOD OF TORPEDOES AND RELATED EQUIP										
029	MK–54 TORPEDO MODS		105,946		95,446		105,946		–4,000		101,946
	HAAWC unit cost growth				[–6,500]						
	Non Recurring Engineering excess growth				[–4,000]				[–4,000]		
030	MK–48 TORPEDO ADCAP MODS		40,005		40,005		40,005				40,005
031	QUICKSTRIKE MINE		9,758		9,758		9,758				9,758
	SUPPORT EQUIPMENT										
032	TORPEDO SUPPORT EQUIPMENT		79,371		79,371		79,371				79,371
033	ASW RANGE SUPPORT		3,872		3,872		3,872				3,872
	DESTINATION TRANSPORTATION										
034	FIRST DESTINATION TRANSPORTATION		3,726		3,726		3,726				3,726
	GUNS AND GUN MOUNTS										
035	SMALL ARMS AND WEAPONS		15,067		15,067		15,067				15,067
	MODIFICATION OF GUNS AND GUN MOUNTS										
036	CIWS MODS		63,318		63,318		63,318				63,318

037	COAST GUARD WEAPONS		40,823		40,823		40,823				40,823
038	GUN MOUNT MODS		74,618		74,618		74,618				74,618
039	LCS MODULE WEAPONS	90	11,350	90	5,550	40	5,350			90	11,350
	Mission Module Early to need				[–5,800]	[–50]	[–6,000]				
041	AIRBORNE MINE NEUTRALIZATION SYSTEMS		22,249		22,249		22,249				22,249
	SPARES AND REPAIR PARTS										
043	SPARES AND REPAIR PARTS		135,688		130,688		135,688				135,688
	Unjustified program cost growth				[–5,000]						
	TOTAL WEAPONS PROCUREMENT, NAVY	**1,645**	**3,702,393**	**1,917**	**3,877,593**	**1,516**	**3,680,493**	**122**	**73,836**	**1,767**	**3,776,229**
	PROCUREMENT OF AMMO, NAVY & MC										
	NAVY AMMUNITION										
001	GENERAL PURPOSE BOMBS		79,871		79,871		79,871				79,871
002	JDAM	3,688	87,900	3,688	87,900	3,688	87,900			3,688	87,900
003	AIRBORNE ROCKETS, ALL TYPES		151,431		151,431		151,431		–6,950		144,481
	APKWS product improvement previously funded								[–6,950]		
004	MACHINE GUN AMMUNITION		11,344		11,344		11,344				11,344
005	PRACTICE BOMBS		49,471		49,471		49,471				49,471
006	CARTRIDGES & CART ACTUATED DEVICES		56,227		56,227		56,227				56,227
007	AIR EXPENDABLE COUNTERMEASURES		66,382		66,382		66,382				66,382
008	JATOS		2,907		2,907		2,907				2,907
009	5 INCH/54 GUN AMMUNITION		72,657		72,657		72,657				72,657
010	INTERMEDIATE CALIBER GUN AMMUNITION		33,613		33,613	–1,000	20,613		–800		32,813
	Alamo LRIP ahead of testing					[–1,000]	[–13,000]				
	Unit cost growth (57MM, HE–PD)								[–800]		
011	OTHER SHIP GUN AMMUNITION		42,142		42,142		42,142				42,142
012	SMALL ARMS & LANDING PARTY AMMO		49,888		49,888		49,888				49,888
013	PYROTECHNIC AND DEMOLITION		10,931		10,931		10,931				10,931
015	AMMUNITION LESS THAN $5 MILLION		1,106		1,106		1,106				1,106
	MARINE CORPS AMMUNITION										
019	MORTARS		28,266		28,266		28,266				28,266
021	DIRECT SUPPORT MUNITIONS		63,664		63,664		63,664				63,664
022	INFANTRY WEAPONS AMMUNITION		59,295		59,295		59,295				59,295
026	COMBAT SUPPORT MUNITIONS		31,577		31,577		31,577				31,577
028	AMMO MODERNIZATION		15,001		15,001		15,001				15,001
029	ARTILLERY MUNITIONS		86,297		86,297		86,297				86,297
030	ITEMS LESS THAN $5 MILLION		6,239		6,239		6,239				6,239
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	**3,688**	**1,006,209**	**3,688**	**1,006,209**	**2,688**	**993,209**		**–7,750**	**3,688**	**998,459**
	SHIPBUILDING AND CONVERSION, NAVY										

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	FLEET BALLISTIC MISSILE SHIPS										
001	ADVANCE PROCUREMENT (CY)		3,005,330		3,088,030		3,005,330		237,000		3,242,330
	Accelerated Advance Procurement				[150,000]						
	Forward financed in the FY18 Omnibus for the foundry propeller center.				[–19,000]						
	Ordnance Early to Need				[–48,300]				[–13,000]		
	Submarine industrial base expansion								[250,000]		
	OTHER WARSHIPS										
002	CARRIER REPLACEMENT PROGRAM		1,598,181	1	1,549,081		1,598,181	1		1	1,598,181
	Authorize CVN81—One ship			[1]	[]			[1]			
	Excess change order rate				[–49,100]						
004	VIRGINIA CLASS SUBMARINE	2	4,373,382	2	5,311,382	2	4,373,382		–20,000	2	4,353,382
	EOQ AP for submarine in FY 2022 and 2023				[1,003,000]						
	Excess change order rate				[–20,000]				[–20,000]		
	Forward financed in the FY18 Omnibus				[–45,000]						
005	ADVANCE PROCUREMENT (CY)		2,796,401		2,796,401		3,046,401				2,796,401
	FY19–23 MYP EOQ or SIB expansion						[250,000]				
007	ADVANCE PROCUREMENT (CY)		449,597		449,597		449,597				449,597
008	DDG 1000		270,965		270,965						270,965
	Cost growth transfer to Line 28						[–270,965]				
009	DDG–51	3	5,253,327	3	4,941,327	3	5,225,827		–81,500	3	5,171,827
	DDG Flight III Multiyear Procurement Savings				[–150,000]						
	Excessive Basic Construction Unit Cost Growth				[–162,000]				[–81,500]		
	Multiyear procurement contract savings						[–27,500]				
010	ADVANCE PROCUREMENT (CY)		391,928		391,928		641,928		250,000		641,928
	Enable greater long lead material procurement						[250,000]		[250,000]		
011	LITTORAL COMBAT SHIP	1	646,244	3	1,596,244	1	576,244	2	912,261	3	1,558,505
	Align Plans and Other costs with end of production						[–70,000]		[–37,739]		
	Program Increase—Two ships			[2]	[950,000]			[2]	[950,000]		
	AMPHIBIOUS SHIPS										
012A	ADVANCE PROCUREMENT (CY)				150,000		650,000		500,000		500,000
	AP for FY2020 LPD Flight II and/or MYP EOQ				[150,000]		[650,000]		[500,000]		
013	EXPEDITIONARY SEA BASE (ESB)	1	650,000	1	630,000	1	650,000		–3,000	1	647,000

	Accelerated contracts learning curve				[–20,000]				[–3,000]		
	AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST										
016	TAO FLEET OILER	2	977,104	2	957,104	2	977,104			2	977,104
	Accelerated contracts learning curve				[–20,000]						
017	ADVANCE PROCUREMENT (CY)		75,046		75,046		75,046				75,046
018	TOWING, SALVAGE, AND RESCUE SHIP (ATS)	1	80,517	1	75,517	1	80,517			1	80,517
	Accelerated contracts learning curve				[–5,000]						
020	LCU 1700	2	41,520	2	41,520	2	41,520			2	41,520
021	OUTFITTING		634,038		589,038		562,038		–72,000		562,038
	Outfitting and Post Delivery early to need				[–45,000]		[–72,000]		[–72,000]		
022	SHIP TO SHORE CONNECTOR	5	325,375	8	507,875	5	325,375	3	182,500	8	507,875
	Program Increase—Three vessels			[3]	[182,500]			[3]	[182,500]		
023	SERVICE CRAFT		72,062		72,062		97,062		25,000		97,062
	Accelerate detail design and construction of YP–703 Flight II						[25,000]		[25,000]		
024	LCAC SLEP	1	23,321	1	23,321	1	23,321			1	23,321
028	COMPLETION OF PY SHIPBUILDING PROGRAMS		207,099		207,099		478,064				207,099
	Cost growth transfer from Line 8						[270,965]				
028A	CABLE SHIP					1	250,000	1	250,000	1	250,000
	Program increase					[1]	[250,000]	[1]	[250,000]		
	TOTAL SHIPBUILDING AND CONVERSION, NAVY	**18**	**21,871,437**	**24**	**23,723,537**	**19**	**23,126,937**	**7**	**2,180,261**	**25**	**24,051,698**
	OTHER PROCUREMENT, NAVY										
	SHIP PROPULSION EQUIPMENT										
001	SURFACE POWER EQUIPMENT		19,700		19,700		19,700				19,700
	GENERATORS										
003	SURFACE COMBATANT HM&E		23,495		23,495		23,495				23,495
	NAVIGATION EQUIPMENT										
004	OTHER NAVIGATION EQUIPMENT		63,330		63,330		73,330		10,000		73,330
	Accelerate ECDIS-N 9.3, 9.4, 9.5 implementation						[10,000]		[10,000]		
	OTHER SHIPBOARD EQUIPMENT										
005	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG		178,421		178,421		178,421				178,421
006	DDG MOD		487,999		591,199		487,999		–4,500		483,499
	AWS Installation Unit Cost Growth				[–4,800]				[–4,500]		
	Navy Unfunded Requirement				[43,000]						
	Program Increase—One additional Combat System				[65,000]						
007	FIREFIGHTING EQUIPMENT		28,143		28,143		28,143				28,143
008	COMMAND AND CONTROL SWITCHBOARD		2,248		2,248		2,248				2,248
009	LHA/LHD MIDLIFE		37,694		37,694		37,694				37,694
010	POLLUTION CONTROL EQUIPMENT		20,883		20,883		20,883				20,883
011	SUBMARINE SUPPORT EQUIPMENT		37,155		37,155		37,155				37,155

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
012	VIRGINIA CLASS SUPPORT EQUIPMENT		66,328		66,328		66,328				66,328
013	LCS CLASS SUPPORT EQUIPMENT		47,241		47,241		47,241				47,241
014	SUBMARINE BATTERIES		27,987		27,987		27,987		–2,902		25,085
	Unit cost growth								[–2,902]		
015	LPD CLASS SUPPORT EQUIPMENT		65,033		65,033		65,033				65,033
016	DDG 1000 CLASS SUPPORT EQUIPMENT		89,700		89,700		51,300		–32,000		57,700
	Procurement early to need						[–38,400]		[–32,000]		
017	STRATEGIC PLATFORM SUPPORT EQUIP		22,254		22,254		22,254				22,254
018	DSSP EQUIPMENT		3,629		3,629		3,629				3,629
019	CG MODERNIZATION		276,446		272,546		276,446		–3,900		272,546
	Integrated Ship Controls Unit Cost Growth				[–3,900]				[–3,900]		
020	LCAC		3,709		3,709		3,709				3,709
021	UNDERWATER EOD PROGRAMS		78,807		48,407		78,807		–5,807		73,000
	Insufficient transition strategy				[–30,400]				[–5,807]		
022	ITEMS LESS THAN $5 MILLION		126,865		126,865		101,865				126,865
	Insufficient justification for CVN–78 in-service requirements						[–25,000]				
023	CHEMICAL WARFARE DETECTORS		2,966		2,966		2,966				2,966
024	SUBMARINE LIFE SUPPORT SYSTEM		11,968		11,968		11,968				11,968
	REACTOR PLANT EQUIPMENT										
025	REACTOR POWER UNITS		346,325				346,325				346,325
	Early to need				[–346,325]						
026	REACTOR COMPONENTS		497,063		497,063		497,063				497,063
	OCEAN ENGINEERING										
027	DIVING AND SALVAGE EQUIPMENT		10,706		10,706		10,706				10,706
	SMALL BOATS										
028	STANDARD BOATS		49,771		49,771		49,771				49,771
	PRODUCTION FACILITIES EQUIPMENT										
029	OPERATING FORCES IPE		225,181		225,181		225,181				225,181
	OTHER SHIP SUPPORT										
031	LCS COMMON MISSION MODULES EQUIPMENT		46,732		46,732		46,732		–4,509		42,223
	EMM AN/SQS–62 training equipment unjustified request								[–4,509]		
032	LCS MCM MISSION MODULES		124,147		124,147		152,063				124,147
	Transfer Cobra trainer from Line 53						[8,616]				

	Transfer Knifefish and UISS trainers from Line 52			[19,300]		
033	LCS ASW MISSION MODULES	57,294	7,394	39,294	–49,900	7,394
	Late test event for VDS and MFTA		[–49,900]	[–18,000]	[–49,900]	
034	LCS SUW MISSION MODULES	26,006	15,006	14,506	–11,500	14,506
	Surface to Surface MM Early to need		[–11,000]	[–11,500]	[–11,500]	
035	LCS IN-SERVICE MODERNIZATION	70,526	70,526	70,526		70,526
	LOGISTIC SUPPORT					
036	LSD MIDLIFE & MODERNIZATION	4,784	4,784	4,784		4,784
	SHIP SONARS					
037	SPQ–9B RADAR	20,309	20,309	20,309		20,309
038	AN/SQQ–89 SURF ASW COMBAT SYSTEM	115,459	115,459	115,459		115,459
039	SSN ACOUSTIC EQUIPMENT	318,189	318,189	318,189		318,189
040	UNDERSEA WARFARE SUPPORT EQUIPMENT	10,134	10,134	10,134		10,134
	ASW ELECTRONIC EQUIPMENT					
041	SUBMARINE ACOUSTIC WARFARE SYSTEM	23,815	23,815	23,815		23,815
042	SSTD	11,277	11,277	6,277	–5,000	6,277
	AN/SLQ–25E contract delay			[–5,000]	[–5,000]	
043	FIXED SURVEILLANCE SYSTEM	237,780	207,780	237,780		237,780
	Forward financed in the FY18 Omnibus		[–30,000]			
044	SURTASS	57,872	47,872	57,872		57,872
	Forward financed in the FY18 Omnibus for SURTASS-E		[–10,000]			
	ELECTRONIC WARFARE EQUIPMENT					
045	AN/SLQ–32	420,344	397,244	420,344	–27,100	393,244
	Block 3 kit cost excess growth				[–12,429]	
	Excess Ship Installation Unit Cost Growth		[–23,100]		[–14,671]	
	RECONNAISSANCE EQUIPMENT					
046	SHIPBOARD IW EXPLOIT	220,883	220,883	220,883		220,883
047	AUTOMATED IDENTIFICATION SYSTEM (AIS)	4,028	4,028	4,028		4,028
	OTHER SHIP ELECTRONIC EQUIPMENT					
048	COOPERATIVE ENGAGEMENT CAPABILITY	44,173	42,573	38,173	–6,000	38,173
	Common Array Block antenna program delay			[–6,000]	[–6,000]	
	Excess Production Engineering Support		[–1,600]			
049	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	10,991	10,991	10,991		10,991
050	ATDLS	34,526	34,526	34,526		34,526
051	NAVY COMMAND AND CONTROL SYSTEM (NCCS)	3,769	3,769	3,769		3,769
052	MINESWEEPING SYSTEM REPLACEMENT	35,709	35,709	16,409		35,709
	Transfer Knifefish and UISS trainers to Line 32			[–19,300]		
053	SHALLOW WATER MCM	8,616	8,616			8,616
	Transfer Cobra trainer to Line 32			[–8,616]		
054	NAVSTAR GPS RECEIVERS (SPACE)	10,703	10,703	10,703		10,703

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
055	AMERICAN FORCES RADIO AND TV SERVICE		2,626		2,626		2,626				2,626
056	STRATEGIC PLATFORM SUPPORT EQUIP		9,467		9,467		9,467				9,467
	AVIATION ELECTRONIC EQUIPMENT										
057	ASHORE ATC EQUIPMENT		70,849		70,849		70,849				70,849
058	AFLOAT ATC EQUIPMENT		47,890		47,890		47,890				47,890
059	ID SYSTEMS		26,163		26,163		26,163				26,163
060	JOINT PRECISION APPROACH AND LANDING SYSTEM (		38,094		38,094		38,094				38,094
061	NAVAL MISSION PLANNING SYSTEMS		11,966		11,966		11,966				11,966
	OTHER SHORE ELECTRONIC EQUIPMENT										
062	TACTICAL/MOBILE C4I SYSTEMS		42,010		42,010		42,010				42,010
063	DCGS-N		12,896		12,896		12,896				12,896
064	CANES		423,027		423,027		423,027		–10,274		412,753
	CANES afloat kit prior year carryover								[–10,274]		
065	RADIAC		8,175		8,175		8,175				8,175
066	CANES-INTELL		54,465		54,465		54,465				54,465
067	GPETE		5,985		5,985		5,985				5,985
068	MASF		5,413		5,413		5,413				5,413
069	INTEG COMBAT SYSTEM TEST FACILITY		6,251		6,251		6,251				6,251
070	EMI CONTROL INSTRUMENTATION		4,183		4,183		4,183				4,183
071	ITEMS LESS THAN $5 MILLION		148,350		148,350		142,950		–5,400		142,950
	NGSSR installation funding early to need						[–5,400]		[–5,400]		
	SHIPBOARD COMMUNICATIONS										
072	SHIPBOARD TACTICAL COMMUNICATIONS		45,450		45,450		45,450				45,450
073	SHIP COMMUNICATIONS AUTOMATION		105,087		105,087		105,087				105,087
074	COMMUNICATIONS ITEMS UNDER $5M		41,123		41,123		41,123				41,123
	SUBMARINE COMMUNICATIONS										
075	SUBMARINE BROADCAST SUPPORT		30,897		30,897		30,897				30,897
076	SUBMARINE COMMUNICATION EQUIPMENT		78,580		78,580		78,580				78,580
	SATELLITE COMMUNICATIONS										
077	SATELLITE COMMUNICATIONS SYSTEMS		41,205		41,205		41,205				41,205
078	NAVY MULTIBAND TERMINAL (NMT)		113,885		113,885		113,885				113,885
	SHORE COMMUNICATIONS										
079	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)		4,292		4,292		4,292				4,292

	CRYPTOGRAPHIC EQUIPMENT					
080	INFO SYSTEMS SECURITY PROGRAM (ISSP)	153,526	153,526	153,526		153,526
081	MIO INTEL EXPLOITATION TEAM	951	951	951		951
	CRYPTOLOGIC EQUIPMENT					
082	CRYPTOLOGIC COMMUNICATIONS EQUIP	14,209	14,209	17,009	2,800	17,009
	SOUTHCOM CCO Sensor (2 suites)			[2,800]	[2,800]	
	OTHER ELECTRONIC SUPPORT					
086	COAST GUARD EQUIPMENT	40,713	40,713	40,713		40,713
	SONOBUOYS					
088	SONOBUOYS—ALL TYPES	177,891	216,191	213,891	38,300	216,191
	Navy Unfunded Requirement		[38,300]	[36,000]	[38,300]	
	AIRCRAFT SUPPORT EQUIPMENT					
089	WEAPONS RANGE SUPPORT EQUIPMENT	93,864	93,864	93,864		93,864
090	AIRCRAFT SUPPORT EQUIPMENT	111,724	108,524	111,724		111,724
	Program decrease		[–3,200]			
091	ADVANCED ARRESTING GEAR (AAG)	11,054	11,054	11,054		11,054
092	METEOROLOGICAL EQUIPMENT	21,072	21,072	21,072		21,072
093	DCRS/DPL	656	656	656		656
094	AIRBORNE MINE COUNTERMEASURES	11,299	11,299	11,299		11,299
095	LAMPS EQUIPMENT	594	594	594		594
096	AVIATION SUPPORT EQUIPMENT	39,374	39,374	39,374	–1,500	37,874
	ASIP unit cost growth				[–1,500]	
097	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL	35,405	35,405	35,405		35,405
	SHIP GUN SYSTEM EQUIPMENT					
098	SHIP GUN SYSTEMS EQUIPMENT	5,337	5,337	5,337		5,337
	SHIP MISSILE SYSTEMS EQUIPMENT					
099	SHIP MISSILE SUPPORT EQUIPMENT	213,090	208,090	213,090		213,090
	Unjustified Stalker Growth		[–5,000]			
100	TOMAHAWK SUPPORT EQUIPMENT	92,890	92,890	92,890		92,890
	FBM SUPPORT EQUIPMENT					
101	STRATEGIC MISSILE SYSTEMS EQUIP	271,817	271,817	271,817		271,817
	ASW SUPPORT EQUIPMENT					
102	SSN COMBAT CONTROL SYSTEMS	129,501	124,001	129,501		129,501
	Excessive Unit Cost Growth for Install		[–5,500]			
103	ASW SUPPORT EQUIPMENT	19,436	19,436	19,436		19,436
	OTHER ORDNANCE SUPPORT EQUIPMENT					
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	14,258	14,258	14,258		14,258
105	ITEMS LESS THAN $5 MILLION	5,378	5,378	5,378		5,378
	OTHER EXPENDABLE ORDNANCE					
106	SUBMARINE TRAINING DEVICE MODS	65,543	65,543	65,543		65,543

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
107	SURFACE TRAINING EQUIPMENT		230,425		230,425		230,425				230,425
	CIVIL ENGINEERING SUPPORT EQUIPMENT										
108	PASSENGER CARRYING VEHICLES		4,867		4,867		4,867				4,867
109	GENERAL PURPOSE TRUCKS		2,674		2,674		2,674				2,674
110	CONSTRUCTION & MAINTENANCE EQUIP		20,994		20,994		20,994				20,994
111	FIRE FIGHTING EQUIPMENT		17,189		17,189		17,189				17,189
112	TACTICAL VEHICLES		19,916		19,916		19,916				19,916
113	AMPHIBIOUS EQUIPMENT		7,400		7,400		7,400				7,400
114	POLLUTION CONTROL EQUIPMENT		2,713		2,713		2,713				2,713
115	ITEMS UNDER $5 MILLION		35,540		32,040		35,540				35,540
	Program decrease				[–3,500]						
116	PHYSICAL SECURITY VEHICLES		1,155		1,155		1,155				1,155
	SUPPLY SUPPORT EQUIPMENT										
117	SUPPLY EQUIPMENT		18,786		18,786		18,786				18,786
118	FIRST DESTINATION TRANSPORTATION		5,375		5,375		5,375				5,375
119	SPECIAL PURPOSE SUPPLY SYSTEMS		580,371		580,371		580,371				580,371
	TRAINING DEVICES										
120	TRAINING SUPPORT EQUIPMENT		3,400		3,400		3,400				3,400
121	TRAINING AND EDUCATION EQUIPMENT		24,283		22,183		24,283		–2,100		22,183
	Excess Production Support				[–2,100]				[–2,100]		
	COMMAND SUPPORT EQUIPMENT										
122	COMMAND SUPPORT EQUIPMENT		66,681		66,681		66,681				66,681
123	MEDICAL SUPPORT EQUIPMENT		3,352		3,352		3,352				3,352
125	NAVAL MIP SUPPORT EQUIPMENT		1,984		1,984		1,984				1,984
126	OPERATING FORCES SUPPORT EQUIPMENT		15,131		15,131		15,131				15,131
127	C4ISR EQUIPMENT		3,576		3,576		3,576				3,576
128	ENVIRONMENTAL SUPPORT EQUIPMENT		31,902		31,902		31,902				31,902
129	PHYSICAL SECURITY EQUIPMENT		175,436		175,436		195,436		20,000		195,436
	New Navy port waterborne security barriers increase						[20,000]		[20,000]		
130	ENTERPRISE INFORMATION TECHNOLOGY		25,393		25,393		25,393				25,393
	OTHER										
133	NEXT GENERATION ENTERPRISE SERVICE		96,269		96,269		96,269				96,269
	CLASSIFIED PROGRAMS										

133A	CLASSIFIED PROGRAMS		15,681		15,681		15,681			15,681
	SPARES AND REPAIR PARTS									
134	SPARES AND REPAIR PARTS		326,838		326,838		326,838			326,838
	TOTAL OTHER PROCUREMENT, NAVY		**9,414,355**		**9,030,330**		**9,373,855**	**–101,292**		**9,313,063**
	PROCUREMENT, MARINE CORPS									
	TRACKED COMBAT VEHICLES									
001	AAV7A1 PIP		156,249		136,249		78,149	–59,413		96,836
	Program reduction				[–20,000]		[–78,100]	[–59,413]		
002	AMPHIBIOUS COMBAT VEHICLE 1.1	30	167,478	30	167,478	30	167,478		30	167,478
003	LAV PIP		43,701		43,701		43,701			43,701
	ARTILLERY AND OTHER WEAPONS									
005	155MM LIGHTWEIGHT TOWED HOWITZER		47,158		47,158		47,158			47,158
006	ARTILLERY WEAPONS SYSTEM		134,246		134,246		134,246			134,246
007	WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION		40,687		40,687		40,687			40,687
	OTHER SUPPORT									
008	MODIFICATION KITS		22,904		22,904		22,904			22,904
	GUIDED MISSILES									
009	GROUND BASED AIR DEFENSE		18,334		18,334		18,334			18,334
010	ANTI-ARMOR MISSILE-JAVELIN	5	3,020	5	3,020	5	3,020		5	3,020
011	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS)		13,760		13,760		13,760			13,760
012	ANTI-ARMOR MISSILE-TOW		59,702		59,702		59,702			59,702
	COMMAND AND CONTROL SYSTEMS									
013	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C		35,467		35,467		35,467			35,467
	REPAIR AND TEST EQUIPMENT									
014	REPAIR AND TEST EQUIPMENT		46,081		41,481		46,081	–425		45,656
	Program Reduction				[–4,600]			[–425]		
	OTHER SUPPORT (TEL)									
015	MODIFICATION KITS		971		971		971			971
	COMMAND AND CONTROL SYSTEM (NON-TEL)									
016	ITEMS UNDER $5 MILLION (COMM & ELEC)		69,203		62,203		69,203	–1,843		67,360
	Program Reduction				[–7,000]			[–1,843]		
017	AIR OPERATIONS C2 SYSTEMS		14,269		14,269		14,269			14,269
	RADAR + EQUIPMENT (NON-TEL)									
018	RADAR SYSTEMS		6,694		6,694		6,694			6,694
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	6	224,969	6	224,969	6	224,969		6	224,969
	INTELL/COMM EQUIPMENT (NON-TEL)									
021	GCSS-MC		1,187		1,187		1,187			1,187
022	FIRE SUPPORT SYSTEM		60,189		60,189		60,189			60,189
023	INTELLIGENCE SUPPORT EQUIPMENT		73,848		67,848		73,848			73,848

SEC. 4101. PROCUREMENT
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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Unjustified request for TSCS Inc 1				[–6,000]						
025	UNMANNED AIR SYSTEMS (INTEL)		3,848		3,848		3,848				3,848
026	DCGS-MC		16,081		16,081		16,081				16,081
	OTHER SUPPORT (NON-TEL)										
030	NEXT GENERATION ENTERPRISE NETWORK (NGEN)		87,120		87,120		87,120				87,120
031	COMMON COMPUTER RESOURCES		68,914		68,914		68,914				68,914
032	COMMAND POST SYSTEMS		124,838		124,838		99,870				124,838
	Operational limitations of NOTM						[–24,968]				
033	RADIO SYSTEMS		279,680		264,680		279,680		–15,000		264,680
	Program reduction				[–15,000]				[–15,000]		
034	COMM SWITCHING & CONTROL SYSTEMS		36,649		36,649		36,649				36,649
035	COMM & ELEC INFRASTRUCTURE SUPPORT		83,971		83,971		83,971				83,971
	CLASSIFIED PROGRAMS										
035A	CLASSIFIED PROGRAMS		3,626		3,626		3,626				3,626
	ADMINISTRATIVE VEHICLES										
036	COMMERCIAL CARGO VEHICLES		25,441		25,441		25,441				25,441
	TACTICAL VEHICLES										
037	MOTOR TRANSPORT MODIFICATIONS		11,392		11,392		11,392				11,392
038	JOINT LIGHT TACTICAL VEHICLE		607,011	214	676,011		607,011				607,011
	Optimize production profile			[214]	[69,000]						
039	FAMILY OF TACTICAL TRAILERS		2,393		2,393		2,393				2,393
040	TRAILERS		6,540		6,540		6,540				6,540
	ENGINEER AND OTHER EQUIPMENT										
041	ENVIRONMENTAL CONTROL EQUIP ASSORT		496		496		496				496
042	TACTICAL FUEL SYSTEMS		54		54		54				54
043	POWER EQUIPMENT ASSORTED		21,062		21,062		21,062				21,062
044	AMPHIBIOUS SUPPORT EQUIPMENT		5,290		5,290		5,290				5,290
045	EOD SYSTEMS		47,854		47,854		47,854				47,854
	MATERIALS HANDLING EQUIPMENT										
046	PHYSICAL SECURITY EQUIPMENT		28,306		28,306		28,306				28,306
	GENERAL PROPERTY										
047	FIELD MEDICAL EQUIPMENT		33,513		33,513		33,513				33,513
048	TRAINING DEVICES		52,040		52,040		41,632				52,040

	Excess to need						[–10,408]			
049	FAMILY OF CONSTRUCTION EQUIPMENT		36,156		39,656		36,156	3,500		39,656
	GPS Grade Control Systems (GCS) and Survey Sets				[3,500]			[3,500]		
050	FAMILY OF INTERNALLY TRANSPORTABLE VEH (ITV)		606		606		606			606
	OTHER SUPPORT									
051	ITEMS LESS THAN $5 MILLION		11,608		11,608		11,608			11,608
	SPARES AND REPAIR PARTS									
053	SPARES AND REPAIR PARTS		25,804		25,804		25,804			25,804
	TOTAL PROCUREMENT, MARINE CORPS	**41**	**2,860,410**	**255**	**2,880,310**	**41**	**2,746,934**	**–73,181**	**41**	**2,787,229**
	AIRCRAFT PROCUREMENT, AIR FORCE									
	TACTICAL FORCES									
001	F–35	48	4,261,021	48	4,177,681	47	4,193,521	–83,340	48	4,177,681
	Production Efficiences				[–83,340]			[–83,340]		
	Program Realignment					[–1]	[–67,500]			
002	ADVANCE PROCUREMENT (CY)		406,000		406,000		406,000			406,000
002A	O/A-X LIGHT ATTACK AIRCRAFT						350,000	300,000		300,000
	Procurement of OA-X aircraft and long lead materials						[350,000]	[300,000]		
	OTHER COMBAT AIRCRAFT									
003	C–135B	2	222,176			2	222,176		2	222,176
	Ahead of need			[–2]	[–222,176]					
	TACTICAL AIRLIFT									
004	KC–46A TANKER	15	2,559,911	12	2,010,911	14	2,312,011	–208,435	15	2,351,476
	Forward financed in the FY18 Omnibus—three aircraft			[–3]	[–499,000]					
	Interim contractor support early to need				[–50,000]		[–102,700]	[–102,700]		
	Restore program accountability					[–1]	[–145,200]			
	Unit cost savings							[–105,735]		
	OTHER AIRLIFT									
005	C–130J		35,858		35,858		35,858			35,858
006	HC–130J	1	129,437	1	129,437	1	129,437		1	129,437
008	MC–130J	6	770,201	6	670,201	6	770,201	–42,322	6	727,879
	Interim supply support costs unjustified growth				[–100,000]			[–42,322]		
009	ADVANCE PROCUREMENT (CY)		218,000		218,000		218,000			218,000
	HELICOPTERS									
011	COMBAT RESCUE HELICOPTER	10	680,201	10	680,201	10	680,201		10	680,201
	MISSION SUPPORT AIRCRAFT									
013	CIVIL AIR PATROL A/C	4	2,719	4	2,719	4	2,719		4	2,719
	OTHER AIRCRAFT									
014	TARGET DRONES	48	139,053	48	139,053	48	139,053		48	139,053
015	COMPASS CALL MODS	1	108,113	1	108,113	1	108,113		1	108,113

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
017	MQ–9	8	221,707	10	264,507	14	341,707	6	120,000	14	341,707
	Increase to accelerate Advanced Battle Management System			[2]	[42,800]	[6]	[120,000]	[6]	[120,000]		
	STRATEGIC AIRCRAFT										
019	B–2A		60,301		37,301		60,301				60,301
	MOP modifications excess to need				[–23,000]						
020	B–1B		51,290		51,290		51,290				51,290
021	B–52		105,519		90,819		100,719		–9,689		95,830
	Air Force requested realignment				[–14,700]		[–14,800]		[–14,759]		
	Airspace compliance funding ahead of need								[–1,954]		
	Bomber tactical data link ahead of need								[–2,976]		
	LRASM certification						[10,000]		[10,000]		
	TACTICAL AIRCRAFT										
023	A–10		98,720		163,720		163,720		65,000		163,720
	Additional A–10 wing replacements				[65,000]		[65,000]		[65,000]		
024	C–130J		10,831		10,831		10,831				10,831
025	F–15		548,109		548,109		548,109		–6,528		541,581
	APG–82 install cost growth								[–6,528]		
026	F–16		324,323		324,323		324,323				324,323
027	F–22A		250,710		250,710		250,710				250,710
029	F–35 MODIFICATIONS		247,271		247,271		297,271				247,271
	F–35A Modifications increase						[50,000]				
030	F–15 EPAW		147,685		214,885		147,685		67,200		214,885
	Eagle Passive Active Warning and Survivability System (EPAWSS).				[67,200]				[67,200]		
031	INCREMENT 3.2B		9,007		9,007		9,007				9,007
033	KC–46A TANKER		8,547		8,547		8,547				8,547
	AIRLIFT AIRCRAFT										
034	C–5		77,845		77,845		77,845		–6,010		71,835
	Mission computer and weather radar cost growth								[–6,010]		
036	C–17A		102,121		102,121		102,121				102,121
037	C–21		17,516		17,516		17,516				17,516
038	C–32A		4,537		4,537		4,537				4,537
039	C–37A		419		419		419				419

	TRAINER AIRCRAFT							
041	GLIDER MODS	137		137	137			137
042	T–6	22,550		22,550	22,550			22,550
043	T–1	21,952		21,952	21,952			21,952
044	T–38	70,623		70,623	70,623			70,623
	OTHER AIRCRAFT							
045	U–2 MODS	48,774		48,774	48,774			48,774
046	KC–10A (ATCA)	11,104		11,104	11,104			11,104
047	C–12	4,900		4,900	4,900			4,900
048	VC–25A MOD	36,938		36,938	36,938			36,938
049	C–40	251		251	251			251
050	C–130	22,094		151,094	96,094		129,000	151,094
	Program Increase--eight blade proppeler upgrade (88 kits)			[55,000]			[55,000]	
	Program Increase--engine enhancement program (88 kits)			[74,000]	[74,000]		[74,000]	
051	C–130J MODS	132,045		132,045	132,045			132,045
052	C–135	113,076		113,076	113,076		–21,666	91,410
	Aero-I SATCOM ahead of need						[–21,666]	
053	OC–135B	5,913		5,913	5,913			5,913
054	COMPASS CALL MODS	49,885		49,885	49,885			49,885
055	COMBAT FLIGHT INSPECTION (CFIN)	499		499	499			499
056	RC–135	394,532		394,532	394,532			394,532
057	E–3	133,906		133,906	133,906		–17,041	116,865
	Electronic protection ahead of need						[–17,041]	
058	E–4	67,858		67,858	67,858			67,858
059	E–8	9,919		9,919	34,919		14,888	24,807
	Central Computer upgrade design				[25,000]		[14,888]	
060	AIRBORNE WARNING AND CNTR SYS (AWACS) 40/45	57,780		57,780	57,780			57,780
061	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	14,293		14,293	14,293			14,293
062	H–1	2,940		2,940	2,940			2,940
063	H–60	55,466		55,466	55,466			55,466
064	RQ–4 MODS	23,715	1	128,715	23,715	1	105,000	1 128,715
	EQ–4 BACN aircraft increase		[1]	[105,000]		[1]	[105,000]	
065	HC/MC–130 MODIFICATIONS	37,754		37,754	37,754			37,754
066	OTHER AIRCRAFT	62,010		62,010	62,010			62,010
067	MQ–9 MODS	171,548		171,548	171,548			171,548
069	CV–22 MODS	60,416		60,416	60,416			60,416
	AIRCRAFT SPARES AND REPAIR PARTS							
070	INITIAL SPARES/REPAIR PARTS	956,408		1,016,408	1,006,408		–91,000	865,408
	F–35A Spares			[60,000]	[50,000]		[42,000]	
	KC–46 spares ahead of need						[–133,000]	

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	COMMON SUPPORT EQUIPMENT										
071	AIRCRAFT REPLACEMENT SUPPORT EQUIP		81,241		81,241		81,241				81,241
	POST PRODUCTION SUPPORT										
074	B–2A		1,763		1,763		1,763				1,763
075	B–2B		35,861		35,861		35,861				35,861
076	B–52		12,819		12,819		12,819				12,819
077	C–17A		10,114		10,114		10,114				10,114
079	F–15		2,545		2,545		2,545				2,545
081	F–16		11,718		7,718		11,718		–4,200		7,518
	F–16 Line Shutdown				[–4,000]				[–4,200]		
082	F–22A		14,489		14,489		14,489				14,489
083	OTHER AIRCRAFT		9,928		9,928		9,928				9,928
084	RQ–4 POST PRODUCTION CHARGES		40,641		3,341		40,641				40,641
	RQ–4 Post Production Support				[–37,300]						
	INDUSTRIAL PREPAREDNESS										
086	INDUSTRIAL RESPONSIVENESS		17,378		17,378		17,378				17,378
	WAR CONSUMABLES										
088	WAR CONSUMABLES		29,342		29,342		29,342				29,342
	OTHER PRODUCTION CHARGES										
089	OTHER PRODUCTION CHARGES		1,502,386		1,393,386		1,502,386				1,502,386
	Classified program adjustment				[–109,000]						
	CLASSIFIED PROGRAMS										
093	CLASSIFIED PROGRAMS		28,278		28,278		28,278				28,278
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	**143**	**16,206,937**	**141**	**15,533,421**	**147**	**16,620,737**	**7**	**310,857**	**150**	**16,517,794**
	MISSILE PROCUREMENT, AIR FORCE										
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC										
001	MISSILE REPLACEMENT EQ-BALLISTIC		36,786		36,786		36,786		–18,720		18,066
	TERP delays								[–18,720]		
	TACTICAL										
002	JOINT AIR-SURFACE STANDOFF MISSILE	312	430,708	312	430,708	312	430,708		–13,000	312	417,708
	Forward financing support costs								[–13,000]		
003	LRASM0	12	44,185	12	44,185	15	54,385	3	10,200	15	54,385

	Restore reduction					[3]	[10,200]	[3]	[10,200]		
004	SIDEWINDER (AIM–9X)	256	121,253	256	121,253	256	121,253			256	121,253
005	AMRAAM	220	337,886	220	337,886	220	337,886			220	337,886
006	PREDATOR HELLFIRE MISSILE	1,338	113,765	1,338	113,765	1,338	113,765			1,338	113,765
007	SMALL DIAMETER BOMB	2,917	105,034	2,917	105,034	2,917	105,034			2,917	105,034
008	SMALL DIAMETER BOMB II	510	100,861	510	100,861	510	92,861			510	100,861
	Unit price adjustment						[–8,000]				
	INDUSTRIAL FACILITIES										
009	INDUSTR'L PREPAREDNS/POL PREVENTION		787		787		787				787
	CLASS IV										
010	ICBM FUZE MOD		15,767		15,767		15,767				15,767
011	ADVANCE PROCUREMENT (CY)		4,100		4,100		4,100				4,100
012	MM III MODIFICATIONS		129,199		129,199		129,199				129,199
013	AGM–65D MAVERICK		288		288		288				288
014	AIR LAUNCH CRUISE MISSILE (ALCM)		47,632		47,632		47,632				47,632
	MISSILE SPARES AND REPAIR PARTS										
016	REPLEN SPARES/REPAIR PARTS		97,481		97,481		97,481				97,481
	SPECIAL PROGRAMS										
018	SPECIAL UPDATE PROGRAMS		188,539		188,539		188,539				188,539
	CLASSIFIED PROGRAMS										
019	CLASSIFIED PROGRAMS		895,183		895,183		895,183				895,183
	TOTAL MISSILE PROCUREMENT, AIR FORCE	**5,565**	**2,669,454**	**5,565**	**2,669,454**	**5,568**	**2,671,654**	**3**	**–21,520**	**5,568**	**2,647,934**
	SPACE PROCUREMENT, AIR FORCE										
	SPACE PROGRAMS										
001	ADVANCED EHF		29,829		29,829		29,829				29,829
002	AF SATELLITE COMM SYSTEM		35,400		35,400		35,400				35,400
003	COUNTERSPACE SYSTEMS		1,121		1,121		1,121				1,121
004	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS		27,867		27,867		27,867				27,867
005	WIDEBAND GAPFILLER SATELLITES(SPACE)		61,606		61,606		61,606				61,606
006	GENERAL INFORMATION TECH—SPACE		3,425		3,425		3,425				3,425
007	GPS III SPACE SEGMENT		69,386		74,386		69,386				69,386
	GPS backup technology demonstration				[5,000]						
008	GLOBAL POSTIONING (SPACE)		2,181		2,181		2,181				2,181
009	INTEG BROADCAST SERV		16,445		16,445		16,445				16,445
010	SPACEBORNE EQUIP (COMSEC)		31,895		31,895		31,895				31,895
012	MILSATCOM		11,265		11,265		11,265				11,265
013	EVOLVED EXPENDABLE LAUNCH CAPABILITY		709,981		709,981		709,981				709,981
014	EVOLVED EXPENDABLE LAUNCH VEH(SPACE)	5	994,555	5	994,555	5	994,555			5	994,555
015	SBIR HIGH (SPACE)		138,397		138,397		138,397				138,397

SEC. 4101. PROCUREMENT
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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
017	NUDET DETECTION SYSTEM		7,705		7,705		7,705				7,705
018	ROCKET SYSTEMS LAUNCH PROGRAM		47,609		47,609		47,609				47,609
019	SPACE FENCE		51,361		51,361		51,361				51,361
020	SPACE MODS		148,065		148,065		148,065				148,065
021	SPACELIFT RANGE SYSTEM SPACE		117,637		117,637		117,637				117,637
	SSPARES										
022	SPARES AND REPAIR PARTS		21,812		21,812		21,812				21,812
	TOTAL SPACE PROCUREMENT, AIR FORCE	**5**	**2,527,542**	**5**	**2,532,542**	**5**	**2,527,542**			**5**	**2,527,542**
	PROCUREMENT OF AMMUNITION, AIR FORCE										
	ROCKETS										
001	ROCKETS		345,911		345,911		345,911				345,911
	CARTRIDGES										
002	CARTRIDGES		163,840		163,840		163,840				163,840
	BOMBS										
003	PRACTICE BOMBS		20,876		20,876		20,876				20,876
004	GENERAL PURPOSE BOMBS		259,308		259,308		259,308				259,308
005	MASSIVE ORDNANCE PENETRATOR (MOP)		38,111		38,111		38,111				38,111
006	JOINT DIRECT ATTACK MUNITION	7,899	234,198	7,899	234,198	7,899	234,198			7,899	234,198
007	B61	250	109,292	250	109,292	250	109,292			250	109,292
008	ADVANCE PROCUREMENT (CY)		52,731		52,731		52,731				52,731
	OTHER ITEMS										
009	CAD/PAD		51,455		51,455		51,455				51,455
010	EXPLOSIVE ORDNANCE DISPOSAL (EOD)		6,038		6,038		6,038				6,038
011	SPARES AND REPAIR PARTS		524		524		524				524
012	MODIFICATIONS		1,270		1,270		1,270				1,270
013	ITEMS LESS THAN $5,000,000		4,604		4,604		4,604				4,604
	FLARES										
015	FLARES		125,286		122,286		125,286				125,286
	Program decrease				[–3,000]						
	FUZES										
016	FUZES		109,358		109,358		109,358				109,358
	SMALL ARMS										

017	SMALL ARMS		64,502		59,502		64,502				64,502
	Program decrease				[–5,000]						
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	**8,149**	**1,587,304**	**8,149**	**1,579,304**	**8,149**	**1,587,304**			**8,149**	**1,587,304**
	OTHER PROCUREMENT, AIR FORCE										
	PASSENGER CARRYING VEHICLES										
001	PASSENGER CARRYING VEHICLES		6,949		3,449		6,949				6,949
	Forward financed in the FY18 Omnibus				[–3,500]						
	CARGO AND UTILITY VEHICLES										
002	MEDIUM TACTICAL VEHICLE		36,002		18,002		36,002				36,002
	Forward financed in the FY18 Omnibus				[–18,000]						
003	CAP VEHICLES		1,022		1,022		1,022				1,022
004	CARGO AND UTILITY VEHICLES		42,696		21,696		49,879		3,997		46,693
	Forward financed in the FY18 Omnibus				[–21,000]						
	Procurement of 7 DABs for PACOM						[7,183]		[3,997]		
	SPECIAL PURPOSE VEHICLES										
005	JOINT LIGHT TACTICAL VEHICLE		30,145		30,145		30,145				30,145
006	SECURITY AND TACTICAL VEHICLES		1,230		1,230		3,903				1,230
	Procurement of 7 DABs for PACOM						[2,673]				
007	SPECIAL PURPOSE VEHICLES		43,003		22,003		53,693		10,690		53,693
	Forward financed in the FY18 Omnibus				[–21,000]						
	Procurement of 7 DABs for PACOM						[10,690]		[10,690]		
	FIRE FIGHTING EQUIPMENT										
008	FIRE FIGHTING/CRASH RESCUE VEHICLES		23,328		23,328		32,308		8,980		32,308
	Procurement of 7 DABs for PACOM						[8,980]		[8,980]		
	MATERIALS HANDLING EQUIPMENT										
009	MATERIALS HANDLING VEHICLES		11,537		11,537		31,309		9,588		21,125
	Procurement of 7 DABs for PACOM						[19,772]		[9,588]		
	BASE MAINTENANCE SUPPORT										
010	RUNWAY SNOW REMOV AND CLEANING EQU		37,600		37,600		40,353		679		38,279
	Procurement of 7 DABs for PACOM						[2,753]		[679]		
011	BASE MAINTENANCE SUPPORT VEHICLES		104,923		52,923		104,923				104,923
	Forward financed in the FY18 Omnibus				[–52,000]						
	COMM SECURITY EQUIPMENT(COMSEC)										
012	COMSEC EQUIPMENT		114,372		114,372		114,372				114,372
	INTELLIGENCE PROGRAMS										
013	INTERNATIONAL INTEL TECH & ARCHITECTURES		8,290		8,290		8,290				8,290
014	INTELLIGENCE TRAINING EQUIPMENT		2,099		2,099		2,099				2,099
015	INTELLIGENCE COMM EQUIPMENT		37,415		37,415		37,415				37,415
	ELECTRONICS PROGRAMS										

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
016	AIR TRAFFIC CONTROL & LANDING SYS		57,937		14,387		57,937		–43,550		14,387
	D-RAPCON Cost Growth				[–43,550]				[–43,550]		
018	BATTLE CONTROL SYSTEM—FIXED		3,012		3,012		3,012				3,012
019	THEATER AIR CONTROL SYS IMPROVEMEN		19,989		19,989		19,989				19,989
020	WEATHER OBSERVATION FORECAST		45,020		45,020		45,020				45,020
021	STRATEGIC COMMAND AND CONTROL		32,836		32,836		32,836				32,836
022	CHEYENNE MOUNTAIN COMPLEX		12,454		12,454		12,454				12,454
023	MISSION PLANNING SYSTEMS		14,263		14,263		14,263				14,263
025	INTEGRATED STRAT PLAN & ANALY NETWORK (ISPAN)		7,769		7,769		7,769				7,769
	SPCL COMM-ELECTRONICS PROJECTS										
026	GENERAL INFORMATION TECHNOLOGY		40,450		40,450		40,450				40,450
027	AF GLOBAL COMMAND & CONTROL SYS		6,619		6,619		6,619				6,619
028	MOBILITY COMMAND AND CONTROL		10,192		10,192		10,192				10,192
029	AIR FORCE PHYSICAL SECURITY SYSTEM		159,313		143,413		161,315		–57,998		101,315
	Previously funded requirement				[–15,900]				[–60,000]		
	Procurement of 7 DABs for PACOM						[2,002]		[2,002]		
030	COMBAT TRAINING RANGES		132,675		132,675		132,675				132,675
031	MINIMUM ESSENTIAL EMERGENCY COMM N		140,875		140,875		140,875				140,875
032	WIDE AREA SURVEILLANCE (WAS)		92,104		92,104		92,104				92,104
033	C3 COUNTERMEASURES		45,152		45,152		45,152				45,152
034	GCSS-AF FOS		483		483		483				483
035	DEFENSE ENTERPRISE ACCOUNTING & MGT SYS		802		802		802				802
036	MAINTENANCE REPAIR & OVERHAUL INITIATIVE		12,207		12,207		12,207				12,207
037	THEATER BATTLE MGT C2 SYSTEM		7,644		7,644		7,644				7,644
038	AIR & SPACE OPERATIONS CENTER (AOC)		40,066		40,066		40,066				40,066
	AIR FORCE COMMUNICATIONS										
041	BASE INFORMATION TRANSPT INFRAST (BITI) WIRED		22,357		22,357		22,357				22,357
042	AFNET		102,836		102,836		102,836		–20,000		82,836
	Prior year carryover								[–20,000]		
043	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)		3,145		3,145		3,145				3,145
044	USCENTCOM		13,194		13,194		13,194				13,194
	ORGANIZATION AND BASE										
045	TACTICAL C-E EQUIPMENT		161,231		161,231		161,231				161,231

047	RADIO EQUIPMENT	12,142	12,142	12,142		12,142
048	CCTV/AUDIOVISUAL EQUIPMENT	6,505	6,505	6,505	–3,250	3,255
	Carryover				[–3,250]	
049	BASE COMM INFRASTRUCTURE	169,404	169,404	169,404		169,404
	MODIFICATIONS					
050	COMM ELECT MODS	10,654	10,654	10,654		10,654
	PERSONAL SAFETY & RESCUE EQUIP					
051	PERSONAL SAFETY AND RESCUE EQUIPMENT	51,906	51,906	51,906		51,906
	DEPOT PLANT+MTRLS HANDLING EQ					
052	MECHANIZED MATERIAL HANDLING EQUIP	88,298	80,798	88,298		88,298
	Program reduction		[–7,500]			
	BASE SUPPORT EQUIPMENT					
053	BASE PROCURED EQUIPMENT	17,031	22,031	17,031		17,031
	Civil Engineers Construction, Surveying, and Mapping Equipment.		[5,000]			
054	ENGINEERING AND EOD EQUIPMENT	82,635	82,635	82,635		82,635
055	MOBILITY EQUIPMENT	9,549	6,549	9,549		9,549
	Program reduction		[–3,000]			
056	BASE MAINTENANCE AND SUPPORT EQUIPMENT	24,005	17,005	48,048	11,328	35,333
	Procurement of 7 DABs for PACOM			[24,043]	[11,328]	
	Program reduction		[–7,000]			
	SPECIAL SUPPORT PROJECTS					
058	DARP RC135	26,262	26,262	26,262		26,262
059	DCGS-AF	448,290	400,490	448,290	–69,800	378,490
	Forward financed in the FY18 Omnibus		[–47,800]		[–69,800]	
061	SPECIAL UPDATE PROGRAM	913,813	913,813	913,813		913,813
	CLASSIFIED PROGRAMS					
062	CLASSIFIED PROGRAMS	17,258,069	17,258,069	17,258,069		17,258,069
	SPARES AND REPAIR PARTS					
063	SPARES AND REPAIR PARTS	86,365	86,365	86,365		86,365
	TOTAL OTHER PROCUREMENT, AIR FORCE	**20,890,164**	**20,654,914**	**20,968,260**	**–149,336**	**20,740,828**
	PROCUREMENT, DEFENSE-WIDE					
	MAJOR EQUIPMENT, OSD					
043	MAJOR EQUIPMENT, OSD	35,295	35,295	35,295		35,295
	MAJOR EQUIPMENT, NSA					
042	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	5,403	5,403	5,403		5,403
	MAJOR EQUIPMENT, WHS					
046	MAJOR EQUIPMENT, WHS	497	497	497		497
	MAJOR EQUIPMENT, DISA					

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
007	INFORMATION SYSTEMS SECURITY		21,590		21,590		41,590				21,590
	Sharkseer						[20,000]				
008	TELEPORT PROGRAM		33,905		33,905		33,905				33,905
009	ITEMS LESS THAN $5 MILLION		27,886		27,886		27,886				27,886
010	NET CENTRIC ENTERPRISE SERVICES (NCES)		1,017		1,017		1,017				1,017
011	DEFENSE INFORMATION SYSTEM NETWORK		150,674		150,674		150,674				150,674
013	WHITE HOUSE COMMUNICATION AGENCY		94,610		94,610		94,610				94,610
014	SENIOR LEADERSHIP ENTERPRISE		197,246		197,246		197,246				197,246
015	JOINT REGIONAL SECURITY STACKS (JRSS)		140,338		140,338		140,338				140,338
016	JOINT SERVICE PROVIDER		107,182		107,182		87,682		–6,740		100,442
	General reduction						[–19,500]		[–6,740]		
	MAJOR EQUIPMENT, DLA										
018	MAJOR EQUIPMENT		5,225		5,225		5,225				5,225
	MAJOR EQUIPMENT, DSS										
021	MAJOR EQUIPMENT		1,196		1,196		1,196				1,196
	MAJOR EQUIPMENT, DCAA										
001	ITEMS LESS THAN $5 MILLION		2,542		2,542		2,542				2,542
	MAJOR EQUIPMENT, TJS										
044	MAJOR EQUIPMENT, TJS		4,360		4,360		4,360				4,360
045	MAJOR EQUIPMENT, TJS—CE2T2		904		904		904				904
	MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY										
026	THAAD	82	874,068	82	874,068	82	874,068			82	874,068
027	GROUND BASED MIDCOURSE	14	409,000	14	409,000	14	409,000			14	409,000
028	ADVANCE PROCUREMENT (CY)		115,000		115,000		115,000				115,000
029	AEGIS BMD	43	593,488	43	593,488	43	593,488			43	593,488
030	ADVANCE PROCUREMENT (CY)		115,206		115,206		115,206				115,206
031	BMDS AN/TPY–2 RADARS		13,185		13,185		13,185				13,185
032	ISRAELI PROGRAMS		80,000		80,000		80,000				80,000
033	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)		50,000		50,000		50,000				50,000
034	AEGIS ASHORE PHASE III		15,000		15,000		15,000				15,000
035	IRON DOME		70,000		70,000		70,000				70,000
036	AEGIS BMD HARDWARE AND SOFTWARE	28	97,057	28	97,057	28	97,057			28	97,057
	MAJOR EQUIPMENT, DHRA										

003	PERSONNEL ADMINISTRATION	10,630	10,630	10,630		10,630
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY					
023	VEHICLES	207	207	207		207
024	OTHER MAJOR EQUIPMENT	5,592	5,592	5,592		5,592
	MAJOR EQUIPMENT, DODEA					
020	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	1,723	1,723	1,723		1,723
	MAJOR EQUIPMENT, DCMA					
002	MAJOR EQUIPMENT	3,873	3,873	3,873		3,873
	MAJOR EQUIPMENT, DMACT					
019	MAJOR EQUIPMENT	13,106	13,106	13,106		13,106
	CLASSIFIED PROGRAMS					
046A	CLASSIFIED PROGRAMS	589,691	589,691	589,691		589,691
	AVIATION PROGRAMS					
050	ROTARY WING UPGRADES AND SUSTAINMENT	148,351	148,351	148,351		148,351
051	UNMANNED ISR	57,708	57,708	57,708		57,708
052	NON-STANDARD AVIATION	18,731	18,731	18,731		18,731
053	U–28	32,301	32,301	32,301		32,301
054	MH–47 CHINOOK	131,033	131,033	131,033		131,033
055	CV–22 MODIFICATION	32,529	32,529	32,529		32,529
056	MQ–9 UNMANNED AERIAL VEHICLE	24,621	24,621	24,621		24,621
057	PRECISION STRIKE PACKAGE	226,965	226,965	226,965		226,965
058	AC/MC–130J	165,813	160,813	165,813	–5,000	160,813
	Program decrease		[–5,000]		[–5,000]	
059	C–130 MODIFICATIONS	80,274	80,274	80,274		80,274
	SHIPBUILDING					
060	UNDERWATER SYSTEMS	136,723	136,723	136,723		136,723
	AMMUNITION PROGRAMS					
061	ORDNANCE ITEMS <$5M	357,742	357,742	357,742		357,742
	OTHER PROCUREMENT PROGRAMS					
062	INTELLIGENCE SYSTEMS	85,699	85,699	85,699		85,699
063	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	17,863	17,863	17,863		17,863
064	OTHER ITEMS <$5M	112,117	112,117	112,117		112,117
065	COMBATANT CRAFT SYSTEMS	7,313	7,313	7,313		7,313
066	SPECIAL PROGRAMS	14,026	14,026	14,026		14,026
067	TACTICAL VEHICLES	88,608	88,608	88,608	–3,000	85,608
	Non-standard vehicles program decrease				[–3,000]	
068	WARRIOR SYSTEMS <$5M	438,590	433,390	438,590	–10,200	428,390
	Link 16 handheld radios for USSOCOM		[12,800]		[12,800]	
	SAT Deployable Node		[–18,000]		[–23,000]	
069	COMBAT MISSION REQUIREMENTS	19,408	19,408	19,408		19,408

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
070	GLOBAL VIDEO SURVEILLANCE ACTIVITIES		6,281		6,281		6,281				6,281
071	OPERATIONAL ENHANCEMENTS INTELLIGENCE		18,509		18,509		18,509				18,509
073	OPERATIONAL ENHANCEMENTS		367,433		367,433		367,433				367,433
	CBDP										
074	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS		166,418		153,618		166,418				166,418
	Program decrease				[–12,800]						
075	CB PROTECTION & HAZARD MITIGATION		144,519		144,519		144,519				144,519
	TOTAL PROCUREMENT, DEFENSE-WIDE	**167**	**6,786,271**	**167**	**6,763,271**	**167**	**6,786,771**		**–24,940**	**167**	**6,761,331**
	JOINT URGENT OPERATIONAL NEEDS FUND										
	JOINT URGENT OPERATIONAL NEEDS FUND										
001	JOINT URGENT OPERATIONAL NEEDS FUND		100,025				100,025		–100,025		
	Program decrease				[–100,025]				[–100,025]		
	TOTAL JOINT URGENT OPERATIONAL NEEDS FUND		**100,025**				**100,025**		**–100,025**		
	TOTAL PROCUREMENT	**30,077**	**130,526,043**	**52,252**	**133,573,192**	**28,915**	**131,998,763**	**21,796**	**1,752,334**	**51,873**	**132,278,377**

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	AIRCRAFT PROCUREMENT, ARMY										
	FIXED WING										
003	MQ–1 UAV	6	60,000	6	60,000	6	60,000			6	60,000
	ROTARY										
011	UH–60 BLACKHAWK M MODEL (MYP)	1	21,246	1	21,246	1	21,246			1	21,246
014	CH–47 HELICOPTER	2	25,000	2	25,000	2	25,000			2	25,000

	MODIFICATION OF AIRCRAFT								
017	MQ–1 PAYLOAD (MIP)		11,400		11,400		11,400		11,400
019	GRAY EAGLE MODS2		32,000		32,000		32,000		32,000
020	MULTI SENSOR ABN RECON (MIP)		51,000		51,000		51,000		51,000
032	RQ–7 UAV MODS		50,868				50,868		50,868
	Realignment of EDI APS Unit Set from OCO to Base				[–50,868]				
033	UAS MODS		3,402				3,402		3,402
	Realignment of EDI APS Unit Set from OCO to Base				[–3,402]				
	GROUND SUPPORT AVIONICS								
036	CMWS		84,387		84,387		84,387		84,387
037	COMMON INFRARED COUNTERMEASURES (CIRCM)		24,060		24,060		24,060		24,060
	TOTAL AIRCRAFT PROCUREMENT, ARMY	**9**	**363,363**	**9**	**309,093**	**9**	**363,363**	**9**	**363,363**
	MISSILE PROCUREMENT, ARMY								
	SURFACE-TO-AIR MISSILE SYSTEM								
002	MSE MISSILE	61	260,000	61		61	260,000	61	260,000
	Realignment of EDI APS Unit Set from OCO to Base				[–260,000]				
	AIR-TO-SURFACE MISSILE SYSTEM								
005	HELLFIRE SYS SUMMARY	2,684	255,040	2,684	255,040	2,684	255,040	2,684	255,040
	ANTI-TANK/ASSAULT MISSILE SYS								
008	JAVELIN (AAWS-M) SYSTEM SUMMARY	75	31,120	75	17,320	75	31,120	75	31,120
	Realignment of EDI APS Unit Set from OCO to Base				[–13,800]				
011	GUIDED MLRS ROCKET (GMLRS)	7,584	624,500	7,584	624,500	7,584	624,500	7,584	624,500
013	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS	24	171,138	24		24	171,138	24	171,138
	Realignment of EDI APS Unit Set from OCO to Base				[–171,138]				
014	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS	1,318	112,973	1,318	112,973	1,318	112,973	1,318	112,973
	MODIFICATIONS								
016	ATACMS MODS		225,580		145,580		225,580		225,580
	Realignment of EDI APS Unit Set from OCO to Base				[–80,000]				
021	MLRS MODS		122,000				122,000		122,000
	Realignment of EDI APS Unit Set from OCO to Base				[–122,000]				
	TOTAL MISSILE PROCUREMENT, ARMY	**11,746**	**1,802,351**	**11,746**	**1,155,413**	**11,746**	**1,802,351**	**11,746**	**1,802,351**
	PROCUREMENT OF W&TCV, ARMY								
	TRACKED COMBAT VEHICLES								
001	BRADLEY PROGRAM	61	205,000	61		61	205,000	61	205,000
	Realignment of EDI APS Unit Set from OCO to Base				[–205,000]				
002	ARMORED MULTI PURPOSE VEHICLE (AMPV)	66	230,359	66		66	230,359	66	230,359
	Realignment of EDI APS Unit Set from OCO to Base				[–230,359]				
	MODIFICATION OF TRACKED COMBAT VEHICLES								

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
006	BRADLEY PROGRAM (MOD)		50,000				50,000				50,000
	Realignment of EDI APS Unit Set from OCO to Base				[–50,000]						
008	PALADIN INTEGRATED MANAGEMENT (PIM)	6	67,000	6		6	67,000			6	67,000
	Realignment of EDI APS Unit Set from OCO to Base				[–67,000]						
009	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	12	42,354	12		12	42,354			12	42,354
	Realignment of EDI APS Unit Set from OCO to Base				[–42,354]						
014	M1 ABRAMS TANK (MOD)		34,000				34,000				34,000
	Realignment of EDI APS Unit Set from OCO to Base				[–34,000]						
015	ABRAMS UPGRADE PROGRAM	40	455,000	40		40	455,000			40	455,000
	Realignment of EDI APS Unit Set from OCO to Base				[–455,000]						
	WEAPONS & OTHER COMBAT VEHICLES										
018	M240 MEDIUM MACHINE GUN (7.62MM)		126				126				126
	Realignment of EDI APS Unit Set from OCO to Base				[–126]						
022	MORTAR SYSTEMS		11,842		11,662		11,842				11,842
	Realignment of EDI APS Unit Set from OCO to Base				[–180]						
025	CARBINE		1,800				1,800				1,800
	Realignment of EDI APS Unit Set from OCO to Base				[–1,800]						
027	COMMON REMOTELY OPERATED WEAPONS STATION		3,378				3,378				3,378
	Realignment of EDI APS Unit Set from OCO to Base				[–3,378]						
	MOD OF WEAPONS AND OTHER COMBAT VEH										
032	M2 50 CAL MACHINE GUN MODS		4,920				4,920				4,920
	Realignment of EDI APS Unit Set from OCO to Base				[–4,920]						
034	M240 MEDIUM MACHINE GUN MODS		7				7				7
	Realignment of EDI APS Unit Set from OCO to Base				[–7]						
	SUPPORT EQUIPMENT & FACILITIES										
039	ITEMS LESS THAN $5.0M (WOCV-WTCV)		1,397				1,397				1,397
	Realignment of EDI APS Unit Set from OCO to Base				[–1,397]						
	TOTAL PROCUREMENT OF W&TCV, ARMY	**185**	**1,107,183**	**185**	**11,662**	**185**	**1,107,183**			**185**	**1,107,183**
	PROCUREMENT OF AMMUNITION, ARMY										
	SMALL/MEDIUM CAL AMMUNITION										
001	CTG, 5.56MM, ALL TYPES		3,392				3,392				3,392
	Realignment of EDI APS Unit Set from OCO to Base				[–3,392]						

002	CTG, 7.62MM, ALL TYPES		40				40		40
	Realignment of EDI APS Unit Set from OCO to Base				[–40]				
003	CTG, HANDGUN, ALL TYPES		17				17		17
	Realignment of EDI APS Unit Set from OCO to Base				[–17]				
004	CTG, .50 CAL, ALL TYPES		189				189		189
	Realignment of EDI APS Unit Set from OCO to Base				[–189]				
005	CTG, 20MM, ALL TYPES		1,605		1,605		1,605		1,605
007	CTG, 30MM, ALL TYPES		25,000				25,000		25,000
	Realignment of EDI APS Unit Set from OCO to Base				[–25,000]				
	MORTAR AMMUNITION								
009	60MM MORTAR, ALL TYPES		218				218		218
	Realignment of EDI APS Unit Set from OCO to Base				[–218]				
010	81MM MORTAR, ALL TYPES		484				484		484
	Realignment of EDI APS Unit Set from OCO to Base				[–484]				
	ARTILLERY AMMUNITION								
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES		79,400				79,400		79,400
	Realignment of EDI APS Unit Set from OCO to Base				[–79,400]				
015	PROJ 155MM EXTENDED RANGE M982	973	72,985	973	21,285	973	72,985	973	72,985
	Realignment of EDI APS Unit Set from OCO to Base				[–51,700]				
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL		63,900		15,000		63,900		63,900
	Realignment of EDI APS Unit Set from OCO to Base				[–48,900]				
	ROCKETS								
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES		22,242		20,000		22,242		22,242
	Realignment of EDI APS Unit Set from OCO to Base				[–2,242]				
019	ROCKET, HYDRA 70, ALL TYPES		39,974		39,974		39,974		39,974
	OTHER AMMUNITION								
021	DEMOLITION MUNITIONS, ALL TYPES		5				5		5
	Realignment of EDI APS Unit Set from OCO to Base				[–5]				
022	GRENADES, ALL TYPES		8				8		8
	Realignment of EDI APS Unit Set from OCO to Base				[–8]				
	MISCELLANEOUS								
027	ITEMS LESS THAN $5 MILLION (AMMO)		66				66		66
	Realignment of EDI APS Unit Set from OCO to Base				[–66]				
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	**973**	**309,525**	**973**	**97,864**	**973**	**309,525**	**973**	**309,525**
	OTHER PROCUREMENT, ARMY								
	TACTICAL VEHICLES								
002	SEMITRAILERS, FLATBED:		8,000				8,000		8,000
	Realignment of EDI APS Unit Set from OCO to Base				[–8,000]				
003	AMBULANCE, 4 LITTER, 5/4 TON, 4X4		20,770				20,770		20,770

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	Realignment of EDI APS Unit Set from OCO to Base				[–20,770]						
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	596	115,400	596		596	115,400			596	115,400
	Realignment of EDI APS Unit Set from OCO to Base				[–115,400]						
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV		6,682				6,682				6,682
	Realignment of EDI APS Unit Set from OCO to Base				[–6,682]						
013	TACTICAL WHEELED VEHICLE PROTECTION KITS		50,000				50,000				50,000
	Realignment of EDI APS Unit Set from OCO to Base				[–50,000]						
014	MODIFICATION OF IN SVC EQUIP		186,377		186,000		186,377				186,377
	Realignment of EDI APS Unit Set from OCO to Base				[–377]						
	COMM—SATELLITE COMMUNICATIONS										
028	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS		7,100		7,100		7,100				7,100
	COMM—COMBAT COMMUNICATIONS										
037	JOINT TACTICAL RADIO SYSTEM		1,560				1,560				1,560
	Realignment of EDI APS Unit Set from OCO to Base				[–1,560]						
042	TRACTOR RIDE		13,190		13,190		13,190				13,190
045	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM		9,549		9,549		9,549				9,549
047	COTS COMMUNICATIONS EQUIPMENT		22,000				22,000				22,000
	Realignment of EDI APS Unit Set from OCO to Base				[–22,000]						
	COMM—INTELLIGENCE COMM										
050	CI AUTOMATION ARCHITECTURE (MIP)		9,800		9,800		9,800				9,800
	INFORMATION SECURITY										
055	COMMUNICATIONS SECURITY (COMSEC)		3				3				3
	Realignment of EDI APS Unit Set from OCO to Base				[–3]						
	COMM—LONG HAUL COMMUNICATIONS										
059	BASE SUPPORT COMMUNICATIONS		690		690		690				690
	COMM—BASE COMMUNICATIONS										
060	INFORMATION SYSTEMS		8,750		8,750		8,750				8,750
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM		60,337		51,287		60,337				60,337
	Realignment of EDI APS Unit Set from OCO to Base				[–9,050]						
	ELECT EQUIP—TACT INT REL ACT (TIARA)										
068	DCGS-A (MIP)		37,806		37,806		37,806				37,806
070	TROJAN (MIP)		6,926		6,326		6,926				6,926
	Realignment of EDI APS Unit Set from OCO to Base				[–600]						

071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	2,011	2,011	2,011	2,011
075	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP)	5,370	5,370	5,370	5,370
	ELECT EQUIP—ELECTRONIC WARFARE (EW)				
080	CREW	42,651	42,651	42,651	42,651
081	FAMILY OF PERSISTENT SURVEILLANCE CAP. (MIP)	20,050	25,450	20,050	20,050
	SOUTHCOM UFR: CENTAM Maritime Sensor		[3,600]		
	SOUTHCOM UFR: SIGINT Suite COMSAT RF		[1,800]		
082	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	12,974	12,974	12,974	12,974
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)				
085	NIGHT VISION DEVICES	463	377	463	463
	Realignment of EDI APS Unit Set from OCO to Base		[–86]		
086	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM	2,861		2,861	2,861
	Realignment of EDI APS Unit Set from OCO to Base		[–2,861]		
087	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	60	60	60	60
088	RADIATION MONITORING SYSTEMS	11		11	11
	Realignment of EDI APS Unit Set from OCO to Base		[–11]		
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	251,062	250,800	251,062	251,062
	Realignment of EDI APS Unit Set from OCO to Base		[–262]		
091	FAMILY OF WEAPON SIGHTS (FWS)	525		525	525
	Realignment of EDI APS Unit Set from OCO to Base		[–525]		
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	26,146		26,146	26,146
	Realignment of EDI APS Unit Set from OCO to Base		[–26,146]		
096	MOD OF IN-SVC EQUIP (LLDR)	4,050		4,050	4,050
	Realignment of EDI APS Unit Set from OCO to Base		[–4,050]		
097	COMPUTER BALLISTICS: LHMBC XM32	960	960	960	960
098	MORTAR FIRE CONTROL SYSTEM	7,660	7,660	7,660	7,660
099	COUNTERFIRE RADARS	165,200	165,200	165,200	165,200
	ELECT EQUIP—AUTOMATION				
112	AUTOMATED DATA PROCESSING EQUIP	28,475	28,475	28,475	28,475
	CHEMICAL DEFENSIVE EQUIPMENT				
121	PROTECTIVE SYSTEMS	27		27	27
	Realignment of EDI APS Unit Set from OCO to Base		[–27]		
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	20,200	20,200	20,200	20,200
123	BASE DEFENSE SYSTEMS (BDS)	39,200	39,200	39,200	39,200
124	CBRN DEFENSE	2,317	2,000	2,317	2,317
	Realignment of EDI APS Unit Set from OCO to Base		[–317]		
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT				
129	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS)	16,000	16,000	16,000	16,000
130	AREA MINE DETECTION SYSTEM (AMDS)	1		1	1
	Realignment of EDI APS Unit Set from OCO to Base		[–1]		

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
132	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)		4,850		4,850		4,850				4,850
136	REMOTE DEMOLITION SYSTEMS		1				1				1
	Realignment of EDI APS Unit Set from OCO to Base				[–1]						
	COMBAT SERVICE SUPPORT EQUIPMENT										
139	HEATERS AND ECU'S		270		270		270				270
141	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)		4,300		4,300		4,300				4,300
142	GROUND SOLDIER SYSTEM		1,725		1,725		1,725				1,725
144	FORCE PROVIDER		55,800		55,800		55,800				55,800
145	FIELD FEEDING EQUIPMENT		1,035		1,035		1,035				1,035
146	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM		1,980		1,980		1,980				1,980
	MEDICAL EQUIPMENT										
151	COMBAT SUPPORT MEDICAL		17,527		17,527		17,527				17,527
	MAINTENANCE EQUIPMENT										
153	ITEMS LESS THAN $5.0M (MAINT EQ)		268				268				268
	Realignment of EDI APS Unit Set from OCO to Base				[–268]						
	CONSTRUCTION EQUIPMENT										
159	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)		25,700		25,700		25,700				25,700
	GENERATORS										
165	GENERATORS AND ASSOCIATED EQUIP		569		569		569				569
	TEST MEASURE AND DIG EQUIPMENT (TMD)										
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)		9,495				9,495				9,495
	Realignment of EDI APS Unit Set from OCO to Base				[–9,495]						
	OTHER SUPPORT EQUIPMENT										
176	M25 STABILIZED BINOCULAR		33				33				33
	Realignment of EDI APS Unit Set from OCO to Base				[–33]						
177	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT		18,000		18,000		18,000				18,000
178	PHYSICAL SECURITY SYSTEMS (OPA3)		6,000		6,000		6,000				6,000
179	BASE LEVEL COMMON EQUIPMENT		2,080		2,080		2,080				2,080
180	MODIFICATION OF IN-SVC EQUIPMENT (OPA–3)		19,200		19,200		19,200				19,200
	TOTAL OTHER PROCUREMENT, ARMY	**596**	**1,382,047**	**596**	**1,108,922**	**596**	**1,382,047**			**596**	**1,382,047**
	AIRCRAFT PROCUREMENT, NAVY										
	OTHER AIRCRAFT										

025	STUASLO UAV		35,065		35,065		35,065				35,065
	MODIFICATION OF AIRCRAFT										
032	SH–60 SERIES		4,858		4,858		4,858				4,858
034	EP–3 SERIES		5,380		5,380		5,380				5,380
044	SPECIAL PROJECT AIRCRAFT		2,165		2,165		2,165				2,165
049	COMMON ECM EQUIPMENT		9,820		9,820		9,820				9,820
051	COMMON DEFENSIVE WEAPON SYSTEM		3,206		3,206		3,206				3,206
061	QRC		2,410		2,410		2,410				2,410
063	RQ–21 SERIES		17,215		17,215		17,215				17,215
	TOTAL AIRCRAFT PROCUREMENT, NAVY		**80,119**		**80,119**		**80,119**				**80,119**
	WEAPONS PROCUREMENT, NAVY										
	STRATEGIC MISSILES										
003	TOMAHAWK						82,800				
	Buy-back Tomahawk						[82,800]				
	TACTICAL MISSILES										
004	AMRAAM	1	1,183	1	1,183	1	1,183			1	1,183
005	SIDEWINDER	1	381	1	381	1	381			1	381
012	HELLFIRE	23	1,530	23	1,530	23	1,530			23	1,530
015	AERIAL TARGETS		6,500		6,500		6,500				6,500
	GUNS AND GUN MOUNTS										
035	SMALL ARMS AND WEAPONS		1,540		1,540		1,540				1,540
	MODIFICATION OF GUNS AND GUN MOUNTS										
038	GUN MOUNT MODS		3,000		3,000		3,000				3,000
	TOTAL WEAPONS PROCUREMENT, NAVY	**25**	**14,134**	**25**	**14,134**	**25**	**96,934**			**25**	**14,134**
	PROCUREMENT OF AMMO, NAVY & MC										
	NAVY AMMUNITION										
001	GENERAL PURPOSE BOMBS		62,530		62,530		62,530				62,530
002	JDAM	3,906	93,019	3,906	93,019	3,906	93,019			3,906	93,019
003	AIRBORNE ROCKETS, ALL TYPES		2,163		2,163		2,163				2,163
004	MACHINE GUN AMMUNITION		5,000		5,000		5,000				5,000
006	CARTRIDGES & CART ACTUATED DEVICES		5,334		5,334		5,334				5,334
007	AIR EXPENDABLE COUNTERMEASURES		36,580		36,580		36,580				36,580
008	JATOS		747		747		747				747
011	OTHER SHIP GUN AMMUNITION		2,538		2,538		2,538				2,538
013	PYROTECHNIC AND DEMOLITION		1,807		1,807		1,807				1,807
015	AMMUNITION LESS THAN $5 MILLION		2,229		2,229		229	–2,000			229
	Excess balances						[–2,000]	[–2,000]			
	MARINE CORPS AMMUNITION										

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
019	MORTARS		2,018		2,018		2,018				2,018
021	DIRECT SUPPORT MUNITIONS		632		632		632				632
022	INFANTRY WEAPONS AMMUNITION		779		779		779				779
026	COMBAT SUPPORT MUNITIONS		164		164		164				164
029	ARTILLERY MUNITIONS		31,001		31,001		31,001				31,001
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	**3,906**	**246,541**	**3,906**	**246,541**	**3,906**	**244,541**		**–2,000**	**3,906**	**244,541**
	OTHER PROCUREMENT, NAVY										
	OTHER SHIPBOARD EQUIPMENT										
021	UNDERWATER EOD PROGRAMS		9,200		9,200		9,200				9,200
	SMALL BOATS										
028	STANDARD BOATS		19,060		19,060		19,060				19,060
	ASW ELECTRONIC EQUIPMENT										
043	FIXED SURVEILLANCE SYSTEM		56,950		56,950		56,950				56,950
	SATELLITE COMMUNICATIONS										
077	SATELLITE COMMUNICATIONS SYSTEMS		3,200		3,200		3,200				3,200
	CRYPTOLOGIC EQUIPMENT										
082	CRYPTOLOGIC COMMUNICATIONS EQUIP		2,000		2,000		2,000				2,000
	SONOBUOYS										
088	SONOBUOYS—ALL TYPES		21,156		21,156		21,156				21,156
	OTHER ORDNANCE SUPPORT EQUIPMENT										
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP		33,580		33,580		33,580		–3,000		30,580
	JCREW CUAS unit cost growth								[–3,000]		
	CIVIL ENGINEERING SUPPORT EQUIPMENT										
108	PASSENGER CARRYING VEHICLES		170		170		170				170
109	GENERAL PURPOSE TRUCKS		400		400		400				400
111	FIRE FIGHTING EQUIPMENT		770		770		770				770
112	TACTICAL VEHICLES		7,298		7,298		7,298				7,298
	SUPPLY SUPPORT EQUIPMENT										
118	FIRST DESTINATION TRANSPORTATION		500		500		500				500
	COMMAND SUPPORT EQUIPMENT										
123	MEDICAL SUPPORT EQUIPMENT		6,500		6,500		6,500				6,500
128	ENVIRONMENTAL SUPPORT EQUIPMENT		2,200		2,200		2,200				2,200

129	PHYSICAL SECURITY EQUIPMENT		19,389		19,389		19,389				19,389
	CLASSIFIED PROGRAMS										
133A	CLASSIFIED PROGRAMS		4,800		4,800		4,800				4,800
	TOTAL OTHER PROCUREMENT, NAVY		**187,173**		**187,173**		**187,173**		**–3,000**		**184,173**
	PROCUREMENT, MARINE CORPS										
	INTELL/COMM EQUIPMENT (NON-TEL)										
022	FIRE SUPPORT SYSTEM		5,583		5,583		5,583				5,583
	TACTICAL VEHICLES										
037	MOTOR TRANSPORT MODIFICATIONS		44,440		44,440		44,440				44,440
	ENGINEER AND OTHER EQUIPMENT										
045	EOD SYSTEMS		8,000		8,000		8,000				8,000
	TOTAL PROCUREMENT, MARINE CORPS		**58,023**		**58,023**		**58,023**				**58,023**
	AIRCRAFT PROCUREMENT, AIR FORCE										
	OTHER AIRLIFT										
006	HC–130J	1	100,000	1	100,000	1	100,000			1	100,000
	OTHER AIRCRAFT										
017	MQ–9	21	339,740	12	147,040	21	339,740	–4	–74,040	17	265,700
	Excess attrition aircraft			[–9]	[–192,700]			[–4]	[–74,040]		
018	RQ–20B PUMA		13,500		13,500		13,500				13,500
	STRATEGIC AIRCRAFT										
020	B–1B		4,000		4,000		4,000				4,000
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES		149,778		149,778		149,778				149,778
	TACTICAL AIRCRAFT										
023	A–10		10,350		10,350		10,350				10,350
	OTHER AIRCRAFT										
045	U–2 MODS		7,900		7,900		7,900				7,900
054	COMPASS CALL MODS		36,400		36,400		36,400				36,400
059	E–8		13,000		13,000		13,000				13,000
063	H–60		40,560		40,560		40,560				40,560
065	HC/MC–130 MODIFICATIONS		87,900		87,900		87,900				87,900
066	OTHER AIRCRAFT		53,731		53,731		53,731				53,731
068	MQ–9 UAS PAYLOADS		16,000		16,000		16,000				16,000
	AIRCRAFT SPARES AND REPAIR PARTS										
070	INITIAL SPARES/REPAIR PARTS		91,500		91,500		91,500				91,500
	COMMON SUPPORT EQUIPMENT										
071	AIRCRAFT REPLACEMENT SUPPORT EQUIP		32,529		32,529		32,529				32,529
072	OTHER PRODUCTION CHARGES		22,000		22,000		22,000				22,000
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	**22**	**1,018,888**	**13**	**826,188**	**22**	**1,018,888**	**–4**	**–74,040**	**18**	**944,848**

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Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	MISSILE PROCUREMENT, AIR FORCE										
	TACTICAL										
002	JOINT AIR-SURFACE STANDOFF MISSILE	48	61,600	48	61,600	48	84,400			48	61,600
	Buy-back JASSM-ER						[22,800]				
005	AMRAAM	2	2,600	2	2,600	2	2,600			2	2,600
006	PREDATOR HELLFIRE MISSILE	3,000	255,000	3,000	255,000	3,000	255,000			3,000	255,000
007	SMALL DIAMETER BOMB	3,909	140,724	3,909	140,724	3,909	140,724			3,909	140,724
	CLASS IV										
013	AGM–65D MAVERICK		33,602		33,602		33,602				33,602
	TOTAL MISSILE PROCUREMENT, AIR FORCE	**6,959**	**493,526**	**6,959**	**493,526**	**6,959**	**516,326**			**6,959**	**493,526**
	PROCUREMENT OF AMMUNITION, AIR FORCE										
	CARTRIDGES										
002	CARTRIDGES		29,587		29,587		29,587				29,587
	BOMBS										
004	GENERAL PURPOSE BOMBS		551,862		551,862		551,862				551,862
006	JOINT DIRECT ATTACK MUNITION	28,101	738,451	28,101	738,451	28,101	738,451			28,101	738,451
	FLARES										
015	FLARES		12,116		12,116		12,116				12,116
	FUZES										
016	FUZES		81,000		81,000		81,000				81,000
	SMALL ARMS										
017	SMALL ARMS		8,500		8,500		8,500				8,500
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	**28,101**	**1,421,516**	**28,101**	**1,421,516**	**28,101**	**1,421,516**			**28,101**	**1,421,516**
	OTHER PROCUREMENT, AIR FORCE										
	PASSENGER CARRYING VEHICLES										
001	PASSENGER CARRYING VEHICLES		9,680		9,680		9,680				9,680
	CARGO AND UTILITY VEHICLES										
002	MEDIUM TACTICAL VEHICLE		9,680		9,680		9,680				9,680
004	CARGO AND UTILITY VEHICLES		19,680		19,680		19,680				19,680
	SPECIAL PURPOSE VEHICLES										

006	SECURITY AND TACTICAL VEHICLES	24,880	24,880	24,880		24,880
007	SPECIAL PURPOSE VEHICLES	34,680	34,680	34,680		34,680
	FIRE FIGHTING EQUIPMENT					
008	FIRE FIGHTING/CRASH RESCUE VEHICLES	9,736	9,736	9,736		9,736
	MATERIALS HANDLING EQUIPMENT					
009	MATERIALS HANDLING VEHICLES	24,680	24,680	24,680		24,680
	BASE MAINTENANCE SUPPORT					
010	RUNWAY SNOW REMOV AND CLEANING EQU	9,680	9,680	9,680		9,680
011	BASE MAINTENANCE SUPPORT VEHICLES	9,680	9,680	9,680		9,680
	INTELLIGENCE PROGRAMS					
015	INTELLIGENCE COMM EQUIPMENT	6,156	6,156	6,156		6,156
	ELECTRONICS PROGRAMS					
016	AIR TRAFFIC CONTROL & LANDING SYS	56,884	56,884	56,884	–20,900	35,984
	D-RAPCON cost growth				[–20,900]	
	SPCL COMM-ELECTRONICS PROJECTS					
029	AIR FORCE PHYSICAL SECURITY SYSTEM	46,236	46,236	46,236		46,236
037	THEATER BATTLE MGT C2 SYSTEM	2,500	2,500	2,500		2,500
	ORGANIZATION AND BASE					
045	TACTICAL C-E EQUIPMENT	27,911	27,911	27,911		27,911
	PERSONAL SAFETY & RESCUE EQUIP					
051	PERSONAL SAFETY AND RESCUE EQUIPMENT	13,600	13,600	13,600		13,600
	BASE SUPPORT EQUIPMENT					
053	BASE PROCURED EQUIPMENT	28,800	28,800	28,800		28,800
054	ENGINEERING AND EOD EQUIPMENT	53,500	53,500	53,500		53,500
055	MOBILITY EQUIPMENT	78,562	78,562	78,562		78,562
056	BASE MAINTENANCE AND SUPPORT EQUIPMENT	28,055	28,055	28,055		28,055
	SPECIAL SUPPORT PROJECTS					
059	DCGS-AF	2,000	2,000	2,000		2,000
	CLASSIFIED PROGRAMS					
062	CLASSIFIED PROGRAMS	3,229,364	3,229,364	3,229,364		3,229,364
	TOTAL OTHER PROCUREMENT, AIR FORCE	**3,725,944**	**3,725,944**	**3,725,944**	**–20,900**	**3,705,044**
	PROCUREMENT, DEFENSE-WIDE					
	MAJOR EQUIPMENT, DISA					
008	TELEPORT PROGRAM	3,800	3,800	3,800		3,800
017	DEFENSE INFORMATION SYSTEMS NETWORK	12,000	12,000	12,000		12,000
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY					
025	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES	5,534	5,534	5,534		5,534
	CLASSIFIED PROGRAMS					
046A	CLASSIFIED PROGRAMS	41,559	41,559	41,559		41,559

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	AVIATION PROGRAMS										
047	MANNED ISR		5,000		5,000		5,000				5,000
048	MC–12		5,000		5,000		5,000				5,000
049	MH–60 BLACKHAWK		27,600		27,600		27,600				27,600
051	UNMANNED ISR		17,000		17,000		17,000				17,000
052	NON-STANDARD AVIATION		13,000		13,000		13,000				13,000
053	U–28		51,722		51,722		51,722				51,722
054	MH–47 CHINOOK		36,500		36,500		36,500				36,500
	AMMUNITION PROGRAMS										
061	ORDNANCE ITEMS <$5M		100,850		100,850		100,850				100,850
	OTHER PROCUREMENT PROGRAMS										
062	INTELLIGENCE SYSTEMS		16,500		16,500		16,500				16,500
064	OTHER ITEMS <$5M		7,700		7,700		7,700				7,700
067	TACTICAL VEHICLES		59,891		59,891		59,891				59,891
068	WARRIOR SYSTEMS <$5M		21,135		21,135		21,135				21,135
069	COMBAT MISSION REQUIREMENTS		10,000		10,000		10,000				10,000
071	OPERATIONAL ENHANCEMENTS INTELLIGENCE		10,805		10,805		10,805				10,805
073	OPERATIONAL ENHANCEMENTS	13	126,539	13	126,539	13	126,539			13	126,539
	TOTAL PROCUREMENT, DEFENSE-WIDE	**13**	**572,135**	**13**	**572,135**	**13**	**572,135**			**13**	**572,135**
	NATIONAL GUARD AND RESERVE EQUIPMENT										
	UNDISTRIBUTED										
007	UNDISTRIBUTED				150,000				225,000		225,000
	Program increase				[150,000]				[225,000]		
	TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT				**150,000**				**225,000**		**225,000**
	TOTAL PROCUREMENT	**52,535**	**12,782,468**	**52,526**	**10,458,253**	**52,535**	**12,886,068**	**–4**	**125,060**	**52,531**	**12,907,528**

TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
		RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY					
		BASIC RESEARCH					
001	0601101A	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	11,585	11,585	11,585		11,585
002	0601102A	DEFENSE RESEARCH SCIENCES	276,912	276,912	289,412	12,500	289,412
		Basic research increase			[7,500]	[7,500]	
		Quantum information sciences			[5,000]	[5,000]	
003	0601103A	UNIVERSITY RESEARCH INITIATIVES	65,283	65,283	65,283		65,283
004	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	92,115	92,115	97,115	5,000	97,115
		Basic research program increase			[5,000]	[5,000]	
		SUBTOTAL BASIC RESEARCH	**445,895**	**445,895**	**463,395**	**17,500**	**463,395**
		APPLIED RESEARCH					
005	0602105A	MATERIALS TECHNOLOGY	28,600	29,600	28,600	1,000	29,600
		Conformal batteries and composite armor		[1,000]		[1,000]	
006	0602120A	SENSORS AND ELECTRONIC SURVIVABILITY	32,366	36,366	37,366	9,000	41,366
		Expand Army Research lab Open Campus project		[4,000]		[4,000]	
		Program increase			[5,000]	[5,000]	
007	0602122A	TRACTOR HIP	8,674	8,674	8,674		8,674
008	0602126A	TRACTOR JACK	400	400	400		400

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
009	0602211A	AVIATION TECHNOLOGY	64,847	64,847	59,847		64,847
		Mission systems / engine and drives coordination			[–5,000]		
010	0602270A	ELECTRONIC WARFARE TECHNOLOGY	25,571	25,571	25,571		25,571
011	0602303A	MISSILE TECHNOLOGY	50,183	50,183	50,183		50,183
012	0602307A	ADVANCED WEAPONS TECHNOLOGY	29,502	29,502	29,502		29,502
013	0602308A	ADVANCED CONCEPTS AND SIMULATION	28,500	28,500	38,500		28,500
		Pilot for cyber modeling and simulation			[10,000]		
014	0602601A	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	70,450	70,450	70,450		70,450
015	0602618A	BALLISTICS TECHNOLOGY	75,541	75,541	75,541		75,541
016	0602622A	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	5,032	5,032	5,032		5,032
017	0602623A	JOINT SERVICE SMALL ARMS PROGRAM	12,394	12,394	12,394		12,394
018	0602624A	WEAPONS AND MUNITIONS TECHNOLOGY	40,444	50,444	42,944	12,500	52,944
		Accelerate Army railgun development and prototyping		[10,000]		[10,000]	
		Advanced warheads technology			[2,500]	[2,500]	
019	0602705A	ELECTRONICS AND ELECTRONIC DEVICES	58,283	58,283	58,283		58,283
020	0602709A	NIGHT VISION TECHNOLOGY	29,582	29,582	29,582		29,582
021	0602712A	COUNTERMINE SYSTEMS	21,244	21,244	21,244		21,244
022	0602716A	HUMAN FACTORS ENGINEERING TECHNOLOGY	24,131	24,131	26,631	2,500	26,631
		General program increase			[2,500]	[2,500]	
023	0602720A	ENVIRONMENTAL QUALITY TECHNOLOGY	13,242	13,242	13,242		13,242
024	0602782A	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	55,003	55,003	50,003	–5,000	50,003
		General Program Reduction			[–5,000]	[–5,000]	
025	0602783A	COMPUTER AND SOFTWARE TECHNOLOGY	14,958	14,958	14,958		14,958
026	0602784A	MILITARY ENGINEERING TECHNOLOGY	78,159	78,159	78,159		78,159
027	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	21,862	21,862	21,862		21,862
028	0602786A	WARFIGHTER TECHNOLOGY	40,566	45,566	40,566	5,000	45,566
		Program increase		[5,000]		[5,000]	

029	0602787A	MEDICAL TECHNOLOGY	90,075	90,075	90,075		90,075
		SUBTOTAL APPLIED RESEARCH	**919,609**	**939,609**	**929,609**	**25,000**	**944,609**
		ADVANCED TECHNOLOGY DEVELOPMENT					
030	0603001A	WARFIGHTER ADVANCED TECHNOLOGY	39,338	39,338	39,338		39,338
031	0603002A	MEDICAL ADVANCED TECHNOLOGY	62,496	62,496	62,496		62,496
032	0603003A	AVIATION ADVANCED TECHNOLOGY	124,958	124,958	119,958		124,958
		Platform design and structures systems			[–5,000]		
033	0603004A	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	102,686	102,686	122,686	20,000	122,686
		Accelerate ERCA gun			[20,000]	[20,000]	
034	0603005A	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	119,739	119,739	192,239	9,500	129,239
		Modular scalable powertrain			[2,500]	[2,500]	
		Prototype Next Generation Combat Vehicle			[70,000]	[7,000]	
035	0603006A	SPACE APPLICATION ADVANCED TECHNOLOGY	13,000	13,000	13,000		13,000
036	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	8,044	8,044	8,044		8,044
037	0603009A	TRACTOR HIKE	22,631	22,631	22,631		22,631
038	0603015A	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	25,682	25,682	25,682		25,682
040	0603125A	COMBATING TERRORISM—TECHNOLOGY DEVELOPMENT	3,762	3,762	3,762		3,762
041	0603130A	TRACTOR NAIL	4,896	4,896	4,896		4,896
042	0603131A	TRACTOR EGGS	6,041	6,041	6,041		6,041
043	0603270A	ELECTRONIC WARFARE TECHNOLOGY	31,491	31,491	31,491		31,491
044	0603313A	MISSILE AND ROCKET ADVANCED TECHNOLOGY	61,132	71,132	61,132	10,000	71,132
		Shoot-on-the-Move Technology Development for SHORAD platforms		[10,000]		[10,000]	
045	0603322A	TRACTOR CAGE	16,845	16,845	16,845		16,845
046	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	183,322	188,322	188,322	10,000	193,322
		Enhance and accelerate Army artificial intelligence and machine learning.		[5,000]		[5,000]	
		Program increase			[5,000]	[5,000]	
047	0603606A	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	11,104	11,104	11,104		11,104
048	0603607A	JOINT SERVICE SMALL ARMS PROGRAM	5,885	5,885	5,885		5,885
049	0603710A	NIGHT VISION ADVANCED TECHNOLOGY	61,376	58,876	61,376	–2,500	58,876
		Program decrease		[–2,500]		[–2,500]	

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
050	0603728A	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	9,136	9,136	9,136		9,136
051	0603734A	MILITARY ENGINEERING ADVANCED TECHNOLOGY	25,864	25,864	38,864	7,000	32,864
		Minor MILCON			[8,000]	[2,000]	
		Program increase			[5,000]	[5,000]	
052	0603772A	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY	34,883	39,883	37,383	7,500	42,383
		PNT research			[2,500]	[2,500]	
		Program increase		[5,000]		[5,000]	
053	0603794A	C3 ADVANCED TECHNOLOGY	52,387	49,887	47,387	–5,000	47,387
		Program decrease		[–2,500]	[–5,000]	[–5,000]	
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**1,026,698**	**1,041,698**	**1,129,698**	**56,500**	**1,083,198**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES					
054	0603305A	ARMY MISSLE DEFENSE SYSTEMS INTEGRATION	10,777	10,777	10,777		10,777
056	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	42,802	43,802	42,802		42,802
		Realignment of EDI APS Unit Set from OCO to Base		[1,000]			
057	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV	45,254	45,254	45,254		45,254
058	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	22,700	22,700	22,700		22,700
059	0603639A	TANK AND MEDIUM CALIBER AMMUNITION	41,974	55,974	55,974	12,000	53,974
		Army UFR: test and evaluation of the M999 155mm Anti-Personnel Improved Conventional Munition.		[14,000]	[14,000]	[12,000]	
060	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV	119,395	119,395	119,395	–8,000	111,395
		Developmental testing early to need				[–8,000]	
061	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	8,746	8,746	8,746		8,746
062	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV	35,667	35,667	43,667		35,667
		ISR capabilities to support long range field artillery			[8,000]		
063	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	7,350	7,350	7,350		7,350
064	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL	14,749	14,749	14,749		14,749

065	0603790A	NATO RESEARCH AND DEVELOPMENT	3,687	3,687	3,687		3,687
066	0603801A	AVIATION—ADV DEV	10,793	10,793	10,793		10,793
067	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	14,248	14,248	14,248		14,248
068	0603807A	MEDICAL SYSTEMS—ADV DEV	34,284	34,284	34,284		34,284
069	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	18,044	28,044	18,044	10,000	28,044
		Advanced materials research for personal protective equipment (PPE)		[10,000]		[10,000]	
070	0604017A	ROBOTICS DEVELOPMENT	95,660	95,660	95,660	–13,702	81,958
		RCV Phase 2 funding ahead of need				[–13,702]	
071	0604020A	CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT & PROTOTYPING	38,000	68,000	38,000	–28,500	9,500
		Iron Dome short range air defense experimentation		[30,000]			
		Unjustified request				[–28,500]	
072	0604100A	ANALYSIS OF ALTERNATIVES	9,765	9,765	9,765		9,765
073	0604113A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS)	12,393	12,393	12,393		12,393
074	0604114A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR	120,374	120,374	120,374	–11,015	109,359
		Contracting award planning early to need				[–2,515]	
		Test funding ahead of need				[–8,500]	
075	0604115A	TECHNOLOGY MATURATION INITIATIVES	95,347	95,347	95,347		95,347
076	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)	95,085	118,085	95,085	–10,000	85,085
		Delayed new start effort				[–10,000]	
		Realignment of EDI APS Unit Set from OCO to Base		[23,000]			
077	0604118A	TRACTOR BEAM	52,894	52,894	52,894		52,894
079	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING	77,939	77,939	77,939		77,939
080	0604319A	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2–INTERCEPT (IFPC2)	51,030	51,030	81,030		51,030
		Accelerate delivery and capacity for IFPC			[30,000]		
081	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	65,817	65,817	70,817		65,817
		Army Cyber Center of Excellence			[5,000]		
082	1206120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	146,300	146,300	146,300		146,300
083	1206308A	ARMY SPACE SYSTEMS INTEGRATION	38,319	38,319	38,319		38,319
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	**1,329,393**	**1,407,393**	**1,386,393**	**–49,217**	**1,280,176**
		SYSTEM DEVELOPMENT & DEMONSTRATION					
084	0604201A	AIRCRAFT AVIONICS	32,293	32,293	32,293		32,293

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
085	0604270A	ELECTRONIC WARFARE DEVELOPMENT	78,699	78,699	78,699	–5,749	72,950
		Funding excess to need				[–5,749]	
088	0604328A	TRACTOR CAGE	17,050	17,050	17,050		17,050
089	0604601A	INFANTRY SUPPORT WEAPONS	83,155	83,155	83,155		83,155
090	0604604A	MEDIUM TACTICAL VEHICLES	3,704	3,704	3,704		3,704
091	0604611A	JAVELIN	10,623	10,623	10,623	–5,000	5,623
		Schedule delays				[–5,000]	
092	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES	11,950	11,950	11,950		11,950
093	0604633A	AIR TRAFFIC CONTROL	12,347	12,347	12,347		12,347
095	0604642A	LIGHT TACTICAL WHEELED VEHICLES	8,212	8,212	8,212		8,212
096	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV	393,613	393,613	318,613	–75,000	318,613
		Mobile Protected Firepower decrease			[–75,000]	[–75,000]	
097	0604710A	NIGHT VISION SYSTEMS—ENG DEV	139,614	139,614	139,614		139,614
098	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	4,507	4,507	4,507		4,507
099	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV	49,436	49,436	49,436	–5,000	44,436
		Historical underexecution				[–5,000]	
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV	95,172	95,172	95,172		95,172
101	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	22,628	22,628	22,628		22,628
102	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	13,297	13,297	13,297		13,297
103	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV	9,145	9,145	9,145		9,145
104	0604768A	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)	9,894	9,894	9,894	–3,000	6,894
		Prior year carryover				[–3,000]	
105	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	21,964	21,964	21,964		21,964
106	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	49,288	49,288	49,288		49,288
107	0604802A	WEAPONS AND MUNITIONS—ENG DEV	183,100	183,100	183,100	–7,000	176,100
		Delayed new start efforts				[–7,000]	
108	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV	79,706	75,906	79,706	–3,225	76,481

		Late MSV-L contract award and concurrency		[–3,800]		[–3,225]	
109	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV	15,970	15,970	15,970		15,970
110	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV	44,542	44,542	44,542		44,542
111	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV	50,817	50,817	50,817	–5,700	45,117
		Prior year carryover				[–5,700]	
112	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	178,693	178,693	178,693	–10,000	168,693
		Command post integrated infrastructure delayed new start				[–10,000]	
113	0604820A	RADAR DEVELOPMENT	39,338	39,338	39,338		39,338
114	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	37,851	37,851	37,851		37,851
115	0604823A	FIREFINDER	45,473	45,473	45,473		45,473
116	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL	10,395	10,395	10,395		10,395
117	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD	69,204	55,804	78,204	–13,400	55,804
		Program reduction		[–13,400]		[–13,400]	
		Suite of Vehicle Protection Systems			[9,000]		
118	0604854A	ARTILLERY SYSTEMS—EMD	1,781	1,781	1,781		1,781
119	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT	113,758	113,758	113,758	–33,382	80,376
		Prior year carryover				[–33,382]	
120	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)	166,603	166,603	166,603		166,603
121	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV)	118,239	118,239	118,239		118,239
122	0605029A	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C).	3,211	3,211	3,211		3,211
123	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC)	15,889	15,889	15,889		15,889
124	0605031A	JOINT TACTICAL NETWORK (JTN)	41,972	41,972	41,972		41,972
125	0605032A	TRACTOR TIRE	41,166	41,166	41,166		41,166
126	0605033A	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EXPEDITIONARY (GBOSS-E).	5,175	5,175	5,175		5,175
127	0605034A	TACTICAL SECURITY SYSTEM (TSS)	4,496	4,496	4,496		4,496
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM)	51,178	51,178	51,178		51,178
129	0605036A	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD)	11,311	11,311	11,311		11,311
131	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE (NBCRV) SENSOR SUITE.	17,154	17,154	17,154		17,154
132	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT	36,626	36,626	36,626		36,626

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Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
133	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	3,829	3,829	3,829		3,829
134	0605047A	CONTRACT WRITING SYSTEM	41,928	41,928			41,928
		Duplication concern in contract writing systems			[–41,928]		
135	0605049A	MISSILE WARNING SYSTEM MODERNIZATION (MWSM)	28,276	28,276	28,276	–2,739	25,537
		Funding early to need				[–2,739]	
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	21,965	21,965	21,965		21,965
137	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1	157,710	157,710	157,710	–12,000	145,710
		Developmental testing early to need				[–12,000]	
138	0605053A	GROUND ROBOTICS	86,167	86,167	86,167	–2,026	84,141
		CRS-I contract delay				[–2,026]	
139	0605054A	EMERGING TECHNOLOGY INITIATIVES	42,866	68,266	42,866	25,400	68,266
		Army UFR: program increase		[25,400]		[25,400]	
140	0605380A	AMF JOINT TACTICAL RADIO SYSTEM (JTRS)	15,984	15,984	15,984		15,984
141	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM)	11,773	11,773	11,773		11,773
142	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	277,607	277,607	277,607		277,607
143	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP)	12,340	12,340	12,340		12,340
144	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	2,686	2,686	2,686		2,686
145	0605830A	AVIATION GROUND SUPPORT EQUIPMENT	2,706	2,706	2,706		2,706
147	0303032A	TROJAN—RH12	4,521	4,521	4,521		4,521
150	0304270A	ELECTRONIC WARFARE DEVELOPMENT	8,922	8,922	8,922		8,922
151	1205117A	TRACTOR BEARS	23,170	23,170	23,170		23,170
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	**3,192,689**	**3,200,889**	**3,084,761**	**–157,821**	**3,034,868**
		RDT&E MANAGEMENT SUPPORT					
152	0604256A	THREAT SIMULATOR DEVELOPMENT	12,835	12,835	12,835		12,835
153	0604258A	TARGET SYSTEMS DEVELOPMENT	12,135	12,135	12,135		12,135

154	0604759A	MAJOR T&E INVESTMENT	82,996	82,996	107,996	25,000	107,996
		Program increase			[25,000]	[25,000]	
155	0605103A	RAND ARROYO CENTER	19,821	19,821	19,821		19,821
156	0605301A	ARMY KWAJALEIN ATOLL	246,574	246,574	246,574		246,574
157	0605326A	CONCEPTS EXPERIMENTATION PROGRAM	30,430	30,430	30,430		30,430
159	0605601A	ARMY TEST RANGES AND FACILITIES	305,759	305,759	320,759	15,000	320,759
		Increase to help manage directed energy workloads			[15,000]	[15,000]	
160	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	62,379	62,379	62,379		62,379
161	0605604A	SURVIVABILITY/LETHALITY ANALYSIS	40,496	40,496	40,496		40,496
162	0605606A	AIRCRAFT CERTIFICATION	3,941	3,941	3,941		3,941
163	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	9,767	9,767	9,767		9,767
164	0605706A	MATERIEL SYSTEMS ANALYSIS	21,226	21,226	21,226		21,226
165	0605709A	EXPLOITATION OF FOREIGN ITEMS	13,026	13,026	13,026		13,026
166	0605712A	SUPPORT OF OPERATIONAL TESTING	52,718	52,718	52,718		52,718
167	0605716A	ARMY EVALUATION CENTER	57,049	57,049	57,049		57,049
168	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG	2,801	2,801	2,801		2,801
169	0605801A	PROGRAMWIDE ACTIVITIES	60,942	60,942	60,942		60,942
170	0605803A	TECHNICAL INFORMATION ACTIVITIES	29,050	29,050	29,050		29,050
171	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	42,332	42,332	42,332		42,332
172	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	3,216	3,216	3,216		3,216
173	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA	54,145	54,145	54,145		54,145
174	0606001A	MILITARY GROUND-BASED CREW TECHNOLOGY	4,896	4,896	4,896		4,896
175	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	63,011	63,011	63,011		63,011
176	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	2,636	2,636	2,636		2,636
177	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	88,300	88,300	88,300		88,300
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	**1,322,481**	**1,322,481**	**1,362,481**	**40,000**	**1,362,481**
		OPERATIONAL SYSTEMS DEVELOPMENT					
181	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM	8,886	8,886	8,886		8,886
182	0603813A	TRACTOR PULL	4,067	4,067	4,067		4,067
183	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT	4,254	4,254	4,254		4,254
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS	16,022	16,022	16,022		16,022

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Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
185	0607133A	TRACTOR SMOKE	4,577	4,577	4,577		4,577
186	0607134A	LONG RANGE PRECISION FIRES (LRPF)	186,475	186,475	186,475	–27,000	159,475
		Excess program growth				[–27,000]	
187	0607135A	APACHE PRODUCT IMPROVEMENT PROGRAM	31,049	31,049	31,049		31,049
188	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM	35,240	35,240	35,240		35,240
189	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM	157,822	157,822	157,822	–2,719	155,103
		Program management support excess growth				[–2,719]	
190	0607138A	FIXED WING PRODUCT IMPROVEMENT PROGRAM	4,189	4,189	4,189		4,189
191	0607139A	IMPROVED TURBINE ENGINE PROGRAM	192,637	192,637	192,637		192,637
194	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT	60,860	60,860	60,860	–13,000	47,860
		Research studies excess growth				[–13,000]	
195	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	52,019	52,019	52,019	–13,500	38,519
		Unjustified growth				[–13,500]	
196	0607665A	FAMILY OF BIOMETRICS	2,400	2,400	2,400		2,400
197	0607865A	PATRIOT PRODUCT IMPROVEMENT	65,369	90,369	65,369	10,000	75,369
		Increase PATRIOT improvement efforts		[25,000]		[10,000]	
198	0202429A	AEROSTAT JOINT PROJECT—COCOM EXERCISE	1	1	1		1
199	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCS)	30,954	30,954	30,954		30,954
200	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS	411,927	411,927	411,927	–42,918	369,009
		Abrams ECP 1B schedule delay				[–14,978]	
		Bradley A5 ECP schedule delay				[–12,221]	
		Recovery vehicle improvement program delay				[–6,000]	
		Stryker program management excess growth				[–9,719]	
202	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	40,676	40,676	40,676	–3,475	37,201
		Prior year carryover				[–3,475]	
203	0203744A	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	17,706	17,706	17,706		17,706
204	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	146	146	146		146

205	0203758A	DIGITIZATION	6,316	6,316	6,316		6,316
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	1,643	3,643	1,643		1,643
		Realignment of EDI APS Unit Set from OCO to Base		[2,000]			
207	0203802A	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	4,947	4,947	4,947		4,947
208	0203808A	TRACTOR CARD	34,050	34,050	34,050		34,050
210	0205410A	MATERIALS HANDLING EQUIPMENT	1,464	1,464	1,464		1,464
211	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV	249	249	249		249
212	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	79,283	79,283	79,283	–485	78,798
		unjustified request				[–485]	
213	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	154,102	154,102	154,102	–28,148	125,954
		Unjustified growth				[–28,148]	
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	12,280	12,280	12,280		12,280
217	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM	68,533	68,533	68,533		68,533
218	0303141A	GLOBAL COMBAT SUPPORT SYSTEM	68,619	68,619	68,619	–3,546	65,073
		Increment 2 contract award delay				[–3,546]	
220	0303150A	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	2,034	2,034	2,034		2,034
223	0305172A	COMBINED ADVANCED APPLICATIONS	1,500	1,500	1,500		1,500
224	0305179A	INTEGRATED BROADCAST SERVICE (IBS)	450	450	450		450
225	0305204A	TACTICAL UNMANNED AERIAL VEHICLES	6,000	6,000	6,000		6,000
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	12,416	26,416	12,416		12,416
		Realignment of EDI APS Unit Set from OCO to Base		[14,000]			
227	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	38,667	38,667	38,667	–5,000	33,667
		Integration and testing unjustified growth				[–5,000]	
229	0305232A	RQ–11 UAV	6,180	6,180	6,180		6,180
230	0305233A	RQ–7 UAV	12,863	12,863	12,863		12,863
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE	4,310	4,310	4,310		4,310
233	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	53,958	53,958	53,958		53,958
234	1203142A	SATCOM GROUND ENVIRONMENT (SPACE)	12,119	12,119	12,119		12,119
235	1208053A	JOINT TACTICAL GROUND SYSTEM	7,400	7,400	7,400		7,400
235A	9999999999	CLASSIFIED PROGRAMS	5,955	5,955	5,955		5,955
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**1,922,614**	**1,963,614**	**1,922,614**	**–129,791**	**1,792,823**

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		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	**10,159,379**	**10,321,579**	**10,278,951**	**–197,829**	**9,961,550**
		RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY					
		BASIC RESEARCH					
001	0601103N	UNIVERSITY RESEARCH INITIATIVES	119,433	129,433	124,433	15,000	134,433
		Basic research program increase			[5,000]	[5,000]	
		Defense University Research Instrumentation Program		[10,000]		[10,000]	
002	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,237	19,237	19,237		19,237
003	0601153N	DEFENSE RESEARCH SCIENCES	458,708	458,708	468,708	10,000	468,708
		Basic research program increase			[5,000]	[5,000]	
		Quantum information sciences			[5,000]	[5,000]	
		SUBTOTAL BASIC RESEARCH	**597,378**	**607,378**	**612,378**	**25,000**	**622,378**
		APPLIED RESEARCH					
004	0602114N	POWER PROJECTION APPLIED RESEARCH	14,643	14,643	17,143	2,500	17,143
		Directed energy			[2,500]	[2,500]	
005	0602123N	FORCE PROTECTION APPLIED RESEARCH	124,049	124,049	124,049		124,049
006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY	59,607	59,607	59,607		59,607
007	0602235N	COMMON PICTURE APPLIED RESEARCH	36,348	41,348	36,348		36,348
		Enhance and accelerate Navy artificial intelligence research		[5,000]			
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	56,197	56,197	48,697	–1,480	54,717
		ONR global growth			[–7,500]	[–1,480]	
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	83,800	83,800	83,800		83,800
010	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	42,998	42,998	42,998		42,998
011	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,349	6,349	6,349		6,349
012	0602747N	UNDERSEA WARFARE APPLIED RESEARCH	58,049	78,049	78,049	20,000	78,049

		Academic partnerships for undersea unmanned warfare research and energy technology.		[20,000]	[20,000]	[20,000]	
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	147,771	147,771	147,771		147,771
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	37,545	37,545	37,545		37,545
015	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	159,697	169,697	164,697		159,697
		Accelerate Navy railgun development and prototyping		[10,000]			
		Directed energy and electronic warfare/unmanned and autonomous systems.			[5,000]		
016	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACITIVITIES	64,418	64,418	64,418		64,418
		SUBTOTAL APPLIED RESEARCH	**891,471**	**926,471**	**911,471**	**21,020**	**912,491**
		ADVANCED TECHNOLOGY DEVELOPMENT					
019	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY	2,423	2,423	2,423		2,423
021	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	150,245	150,245	140,245	–4,199	146,046
		Unjustified growth			[–10,000]	[–4,199]	
022	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	13,313	13,313	13,313		13,313
023	0603671N	NAVY ADVANCED TECHNOLOGY DEVELOPMENT (ATD)	131,502	155,002	131,502	23,500	155,002
		Program increase-one sensor plus integration		[23,500]		[23,500]	
024	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT	232,996	232,996	232,996		232,996
025	0603680N	MANUFACTURING TECHNOLOGY PROGRAM	58,657	58,657	58,657		58,657
030	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT.	161,859	181,859	166,359	20,000	181,859
		Accelerate Navy railgun development and prototyping		[20,000]		[20,000]	
		DE & EW/unmanned and autonomous systems			[4,500]		
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**750,995**	**794,495**	**745,495**	**39,301**	**790,296**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES					
031	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	29,747	29,747	29,747		29,747
032	0603216N	AVIATION SURVIVABILITY	7,050	7,050	7,050		7,050
033	0603251N	AIRCRAFT SYSTEMS	793	793	793		793
034	0603254N	ASW SYSTEMS DEVELOPMENT	7,058	12,058	7,058		7,058
		Prototyping fiber deployment sonobuoy systems		[5,000]			

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035	0603261N	TACTICAL AIRBORNE RECONNAISSANCE	3,540	3,540	3,540		3,540
036	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY	59,741	59,741	62,241		59,741
		Locust/HCUS/INP Transition			[2,500]		
037	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	62,727	62,727	36,727	–2,000	60,727
		Barracuda EDMs ahead of PDR and CDR			[–26,000]	[–2,000]	
038	0603506N	SURFACE SHIP TORPEDO DEFENSE	8,570	18,570	8,570		8,570
		Program increase		[10,000]			
039	0603512N	CARRIER SYSTEMS DEVELOPMENT	5,440	5,440	5,440		5,440
040	0603525N	PILOT FISH	162,222	162,222	162,222		162,222
041	0603527N	RETRACT LARCH	11,745	11,745	11,745		11,745
042	0603536N	RETRACT JUNIPER	114,265	114,265	114,265		114,265
043	0603542N	RADIOLOGICAL CONTROL	740	740	740		740
044	0603553N	SURFACE ASW	1,122	1,122	1,122		1,122
045	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	109,086	89,086	112,586	–13,000	96,086
		Advanced submarine propulsion development			[3,500]		
		Excessive cost growth		[–7,000]			
		Prior year inefficiencies impact		[–13,000]		[–13,000]	
046	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS	9,374	9,374	9,374		9,374
047	0603563N	SHIP CONCEPT ADVANCED DESIGN	89,419	89,419	107,419	18,000	107,419
		CHAMP acceleration			[18,000]	[18,000]	
048	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	13,348	13,348	13,348		13,348
049	0603570N	ADVANCED NUCLEAR POWER SYSTEMS	256,137	256,137	256,137		256,137
050	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS	22,109	22,109	22,109		22,109
051	0603576N	CHALK EAGLE	29,744	29,744	29,744		29,744
052	0603581N	LITTORAL COMBAT SHIP (LCS)	27,997	27,997	27,997		27,997
053	0603582N	COMBAT SYSTEM INTEGRATION	16,351	16,351	16,351		16,351
054	0603595N	OHIO REPLACEMENT	514,846	526,846	514,846	12,000	526,846

		Advanced Submarines Control and Precision Propulsion Module Integration.		[12,000]		[12,000]	
055	0603596N	LCS MISSION MODULES	103,633	103,633	133,033		103,633
		Project 2552: Align with deferred LCS–6 SSMM test			[–5,000]		
		Transfer from PE 64028N			[16,700]		
		Transfer from PE 64126N			[10,100]		
		Transfer from PE 64127N			[7,600]		
056	0603597N	AUTOMATED TEST AND ANALYSIS	7,931	7,931	7,931		7,931
057	0603599N	FRIGATE DEVELOPMENT	134,772	134,772	134,772		134,772
058	0603609N	CONVENTIONAL MUNITIONS	9,307	9,307	9,307		9,307
060	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	1,828	1,828	1,828		1,828
061	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	43,148	43,148	43,148		43,148
062	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	5,915	5,915	5,915		5,915
063	0603721N	ENVIRONMENTAL PROTECTION	19,811	24,811	19,811		19,811
		High-Pressure Waterjet Explosive Ordnance Disposal Technology development.		[5,000]			
064	0603724N	NAVY ENERGY PROGRAM	25,656	25,656	25,656		25,656
065	0603725N	FACILITIES IMPROVEMENT	5,301	5,301	5,301		5,301
066	0603734N	CHALK CORAL	267,985	267,985	267,985		267,985
067	0603739N	NAVY LOGISTIC PRODUCTIVITY	4,059	4,059	4,059		4,059
068	0603746N	RETRACT MAPLE	377,878	377,878	377,878		377,878
069	0603748N	LINK PLUMERIA	381,770	381,770	381,770		381,770
070	0603751N	RETRACT ELM	60,535	60,535	60,535		60,535
073	0603790N	NATO RESEARCH AND DEVELOPMENT	9,652	9,652	9,652		9,652
074	0603795N	LAND ATTACK TECHNOLOGY	15,529	15,529			15,529
		Program delay and no GLGP EMD FYDP funding			[–15,529]		
075	0603851M	JOINT NON-LETHAL WEAPONS TESTING	27,581	32,581	27,581		27,581
		Joint service adoption of non-lethal weapon technologies		[5,000]			
076	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/VAL	101,566	101,566	101,566		101,566
077	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	223,344	171,344	223,344	–80,932	142,412
		Program decrease		[–52,000]		[–80,932]	
078	0604014N	F/A –18 INFRARED SEARCH AND TRACK (IRST)	108,700	108,700	132,700		108,700

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		IRST block II risk reduction			[24,000]		
079	0604027N	DIGITAL WARFARE OFFICE	26,691	26,691	26,691		26,691
080	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	16,717	16,717			16,717
		Transfer to PE 63596N			[–16,717]		
081	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES	30,187	30,187	30,187		30,187
082	0604030N	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION.	48,796	48,796	48,796		48,796
083	0604031N	LARGE UNMANNED UNDERSEA VEHICLES	92,613	71,413	71,413	–21,200	71,413
		Excessive Snakehead LDUUV growth		[–21,200]	[–21,200]	[–21,200]	
084	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80)	58,121	73,121	58,121		58,121
		EMALS software support activity		[15,000]			
086	0604126N	LITTORAL AIRBORNE MCM	17,622	17,622	7,522		17,622
		Transfer to PE 63596N			[–10,100]		
087	0604127N	SURFACE MINE COUNTERMEASURES	18,154	18,154	10,554		18,154
		Transfer to PE 63596N			[–7,600]		
088	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)	47,278	47,278	47,278		47,278
090	0604289M	NEXT GENERATION LOGISTICS	11,081	11,081	11,081		11,081
092	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	7,107	7,107	7,107		7,107
093	0604454N	LX (R)	5,549	5,549	5,549		5,549
094	0604536N	ADVANCED UNDERSEA PROTOTYPING	87,669	87,669	87,669		87,669
095	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	132,818	132,818	132,818	–12,900	119,918
		Project 3378 schedule delays				[–12,900]	
096	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT.	7,230	7,230	7,230		7,230
097	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	143,062	143,062	143,062		143,062
099	0303354N	ASW SYSTEMS DEVELOPMENT—MIP	8,889	8,889	8,889		8,889
100	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	25,291	10,341	25,291	–14,000	11,291
		Unjustified cost growth		[–14,950]		[–14,000]	

101	0304240N	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	9,300	9,300	9,300		9,300
102	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP	466	466	466		466
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	**4,293,713**	**4,237,563**	**4,273,967**	**–114,032**	**4,179,681**
		SYSTEM DEVELOPMENT & DEMONSTRATION					
103	0603208N	TRAINING SYSTEM AIRCRAFT	12,798	13,798	12,798		12,798
		TH–57 follow-on training system development		[1,000]			
104	0604212N	OTHER HELO DEVELOPMENT	32,128	32,128	32,128		32,128
105	0604214M	AV–8B AIRCRAFT—ENG DEV	46,363	46,363	30,163	–4,000	42,363
		Lacks operational justification/need			[–16,200]	[–4,000]	
107	0604215N	STANDARDS DEVELOPMENT	3,771	3,771	3,771		3,771
108	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	16,611	16,611	16,611		16,611
109	0604218N	AIR/OCEAN EQUIPMENT ENGINEERING	17,368	17,368	17,368		17,368
110	0604221N	P–3 MODERNIZATION PROGRAM	2,134	2,134	2,134		2,134
111	0604230N	WARFARE SUPPORT SYSTEM	9,729	9,729	9,729		9,729
112	0604231N	TACTICAL COMMAND SYSTEM	57,688	57,688	57,688		57,688
113	0604234N	ADVANCED HAWKEYE	223,565	215,565	223,565	–10,000	213,565
		excess carryover				[–10,000]	
		Forward financed in the FY18 Omnibus		[–10,000]			
		Program increase--IFF range improvement		[2,000]			
114	0604245M	H–1 UPGRADES	58,097	58,097	58,097		58,097
116	0604261N	ACOUSTIC SEARCH SENSORS	42,485	42,485	42,485		42,485
117	0604262N	V–22A	143,079	143,079	143,079		143,079
118	0604264N	AIR CREW SYSTEMS DEVELOPMENT	20,980	20,980	30,980	10,000	30,980
		Increase to advance aircrew physiological monitoring			[10,000]	[10,000]	
119	0604269N	EA–18	147,419	147,419	242,719	95,300	242,719
		UPL—EA–18G Advanced Modes / Cognitive EW			[95,300]	[95,300]	
120	0604270N	ELECTRONIC WARFARE DEVELOPMENT	89,824	121,424	121,424	31,600	121,424
		Navy UFR: EA–18G offensive airborne electronic attack special mission pods.		[31,600]	[31,600]	[31,600]	
121	0604273M	EXECUTIVE HELO DEVELOPMENT	245,064	245,064	245,064		245,064
123	0604274N	NEXT GENERATION JAMMER (NGJ)	459,529	459,529	459,529		459,529

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124	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY)	3,272	3,272	3,272		3,272
125	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II	115,253	115,253	115,253	–5,774	109,479
		Engineering previously funded				[–5,774]	
126	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	397,403	377,403	397,403	–10,300	387,103
		ACB 20 unexecutable growth		[–20,000]		[–10,300]	
127	0604311N	LPD–17 CLASS SYSTEMS INTEGRATION	939	939	50,939		939
		Mk 41 VLS integration			[50,000]		
128	0604329N	SMALL DIAMETER BOMB (SDB)	104,448	104,448	104,448		104,448
129	0604366N	STANDARD MISSILE IMPROVEMENTS	165,881	180,881	184,881	15,000	180,881
		XFU electronics unit integration		[15,000]	[19,000]	[15,000]	
130	0604373N	AIRBORNE MCM	10,831	10,831	10,831		10,831
131	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING	33,429	26,529	33,429		33,429
		Excess overhead		[–6,900]			
132	0604501N	ADVANCED ABOVE WATER SENSORS	35,635	35,635	35,635		35,635
133	0604503N	SSN–688 AND TRIDENT MODERNIZATION	126,932	126,932	126,932		126,932
134	0604504N	AIR CONTROL	62,448	62,448	62,448		62,448
135	0604512N	SHIPBOARD AVIATION SYSTEMS	9,710	9,710	9,710		9,710
136	0604518N	COMBAT INFORMATION CENTER CONVERSION	19,303	19,303	19,303		19,303
137	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	27,059	27,059	27,059		27,059
138	0604530N	ADVANCED ARRESTING GEAR (AAG)	184,106	184,106	184,106		184,106
139	0604558N	NEW DESIGN SSN	148,233	126,833	148,233		148,233
		Excess cost growth		[–21,400]			
140	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM	60,824	60,824	60,824		60,824
141	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E	60,062	60,062	66,062	6,000	66,062
		Planning to support FY21 award of LHA–9			[6,000]	[6,000]	
142	0604574N	NAVY TACTICAL COMPUTER RESOURCES	4,642	4,642	4,642		4,642
144	0604601N	MINE DEVELOPMENT	25,756	25,756	25,756		25,756

145	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT	95,147	95,147	95,147	–32,000	63,147
		Project 3418 post-system design and engineering funds early to need				[–32,000]	
146	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	7,107	7,107	7,107		7,107
147	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	6,539	6,539	6,539		6,539
148	0604727N	JOINT STANDOFF WEAPON SYSTEMS	441	441	441		441
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	180,391	180,391	180,391		180,391
150	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	178,538	178,538	178,538		178,538
151	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	120,507	120,507	120,507		120,507
152	0604761N	INTELLIGENCE ENGINEERING	29,715	29,715	29,715		29,715
153	0604771N	MEDICAL DEVELOPMENT	8,095	8,095	8,095		8,095
154	0604777N	NAVIGATION/ID SYSTEM	121,026	121,026	121,026		121,026
155	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD	66,566	66,566	66,566		66,566
156	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD	65,494	65,494	65,494		65,494
159	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT	14,005	14,005	14,005		14,005
160	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT	268,567	268,567	178,467	–60,000	208,567
		General reduction			[–26,300]	[–60,000]	
		Lengthy delivery timelines for Navy Personnel and Pay System			[–63,800]		
161	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT	5,618	5,618	5,618		5,618
162	0605212M	CH–53K RDTE	326,945	326,945	326,945		326,945
164	0605215N	MISSION PLANNING	32,714	32,714	32,714		32,714
165	0605217N	COMMON AVIONICS	51,486	51,486	51,486		51,486
166	0605220N	SHIP TO SHORE CONNECTOR (SSC)	1,444	1,444	1,444		1,444
167	0605327N	T-AO 205 CLASS	1,298	1,298	1,298		1,298
168	0605414N	UNMANNED CARRIER AVIATION (UCA)	718,942	602,042	718,942	–116,900	602,042
		Insufficient Air Vehicle budget justification		[–116,900]		[–116,900]	
169	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM)	6,759	11,759	6,759	5,000	11,759
		JAGM-F for USN and USMC		[5,000]		[5,000]	
171	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA)	37,296	37,296	37,296		37,296
172	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III	160,389	160,389	160,389		160,389
173	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION.	98,223	98,223	98,223	–22,099	76,124
		Project 0026 excess concurrency				[–22,099]	

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174	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT & DEMONSTRATION.	2,260	2,260	2,260		2,260
175	0204202N	DDG–1000	161,264	161,264	161,264	–9,300	151,964
		Testing early to need				[–9,300]	
180	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS	44,098	44,098	44,098		44,098
182	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	6,808	6,808	6,808		6,808
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	**6,042,480**	**5,921,880**	**6,148,080**	**–107,473**	**5,935,007**
		MANAGEMENT SUPPORT					
183	0604256N	THREAT SIMULATOR DEVELOPMENT	94,576	94,576	94,576		94,576
184	0604258N	TARGET SYSTEMS DEVELOPMENT	10,981	10,981	10,981		10,981
185	0604759N	MAJOR T&E INVESTMENT	77,014	83,014	77,014	6,000	83,014
		Program increase		[6,000]		[6,000]	
186	0605126N	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	48	48	48		48
187	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY	3,942	3,942	3,942		3,942
188	0605154N	CENTER FOR NAVAL ANALYSES	48,797	48,797	48,797		48,797
189	0605285N	NEXT GENERATION FIGHTER	5,000	5,000	5,000		5,000
191	0605804N	TECHNICAL INFORMATION SERVICES	1,029	1,029	1,029		1,029
192	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	87,565	87,565	78,565		87,565
		Insufficient budget justification			[–9,000]		
193	0605856N	STRATEGIC TECHNICAL SUPPORT	4,231	4,231	4,231		4,231
194	0605861N	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT	1,072	1,072	1,072		1,072
195	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT	97,471	97,471	97,471		97,471
196	0605864N	TEST AND EVALUATION SUPPORT	373,834	373,834	373,834		373,834
197	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY	21,554	21,554	21,554		21,554
198	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	16,227	16,227	16,227		16,227
200	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT	24,303	24,303	24,303		24,303

201	0605898N	MANAGEMENT HQ—R&D	43,262	43,262	43,262		43,262
202	0606355N	WARFARE INNOVATION MANAGEMENT	41,918	41,918	41,918		41,918
203	0606942M	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	7,000	7,000	7,000		7,000
204	0606942N	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	48,800	48,800	48,800		48,800
205	0305327N	INSIDER THREAT	1,682	1,682	1,682		1,682
206	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)	1,579	1,579	1,579		1,579
208	1206867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	8,684	8,684	8,684		8,684
		SUBTOTAL MANAGEMENT SUPPORT	**1,020,569**	**1,026,569**	**1,011,569**	**6,000**	**1,026,569**
		OPERATIONAL SYSTEMS DEVELOPMENT					
210	0604227N	HARPOON MODIFICATIONS	5,426	5,426	5,426		5,426
211	0604840M	F–35 C2D2	259,122	259,122	259,122		259,122
212	0604840N	F–35 C2D2	252,360	252,360	252,360		252,360
213	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	130,515	119,315	130,515	–1,700	128,815
		Excess cost growth		[–11,200]		[–1,700]	
214	0607700N	DEPLOYABLE JOINT COMMAND AND CONTROL	3,127	3,127	3,127		3,127
215	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	157,679	166,679	157,679	9,000	166,679
		Project 2228, technical applications, systems engineering modeling and simulation capability and tool development.		[9,000]		[9,000]	
216	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM	43,198	39,198	43,198	–1,000	42,198
		Excess program growth		[–4,000]		[–1,000]	
217	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	11,311	11,311	11,311		11,311
218	0101402N	NAVY STRATEGIC COMMUNICATIONS	39,313	39,313	39,313		39,313
219	0204136N	F/A–18 SQUADRONS	193,086	200,586	193,086	7,000	200,086
		Engine noise reduction engineering		[2,500]		[2,000]	
		JAGM-F for USN and USMC		[5,000]		[5,000]	
220	0204163N	FLEET TELECOMMUNICATIONS (TACTICAL)	25,014	25,014	25,014	–11,835	13,179
		High frequency over-the-horizon robust communications enterprise concurrency.				[–11,835]	
221	0204228N	SURFACE SUPPORT	11,661	11,661	11,661		11,661
222	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	282,395	282,395	291,095		282,395
		Restore MST to maintain 2020 IOC			[8,700]		

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223	0204311N	INTEGRATED SURVEILLANCE SYSTEM	36,959	36,959	71,959	35,000	71,959
		Additional TRAPS units			[35,000]	[35,000]	
224	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS	15,454	15,454	15,454		15,454
225	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT)	6,073	6,073	6,073		6,073
226	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	45,029	45,029	45,029		45,029
227	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	104,903	104,903	104,903		104,903
228	0204574N	CRYPTOLOGIC DIRECT SUPPORT	4,544	4,544	4,544		4,544
229	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT	66,889	66,889	66,889		66,889
230	0205601N	HARM IMPROVEMENT	120,762	120,762	21,522		120,762
		Cancel ER program			[–99,240]		
231	0205604N	TACTICAL DATA LINKS	104,696	104,696	116,696	12,000	116,696
		UPL—Tactical Targeting Network Technology acceleration			[12,000]	[12,000]	
232	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION	28,421	28,421	28,421		28,421
233	0205632N	MK–48 ADCAP	94,155	68,555	94,155	–25,600	68,555
		Excessive TI–1 cost growth		[–25,600]		[–25,600]	
234	0205633N	AVIATION IMPROVEMENTS	121,805	136,805	136,805	15,000	136,805
		Navy UFR: F/A–18E/F Super Hornet engine enhancements		[15,000]	[15,000]	[15,000]	
235	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS	117,028	117,028	117,028		117,028
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	174,779	174,779	174,779		174,779
237	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S)	4,826	4,826	4,826		4,826
238	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	97,152	97,152	97,152		97,152
239	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT	30,156	30,156	30,156		30,156
240	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	39,976	39,976	39,976		39,976
241	0206629M	AMPHIBIOUS ASSAULT VEHICLE	22,637	22,637		–1,947	20,690
		Lacks operational justification/need			[–22,637]	[–1,947]	
242	0207161N	TACTICAL AIM MISSILES	40,121	40,121	40,121		40,121
243	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	32,473	32,473	32,473	–2,867	29,606

		System improvement program efforts schedule delay				[–2,867]	
249	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES)	23,697	23,697	23,697		23,697
250	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM	44,228	44,228	44,228		44,228
252	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES	6,081	6,081	6,081		6,081
253	0305204N	TACTICAL UNMANNED AERIAL VEHICLES	8,529	8,529	8,529		8,529
254	0305205N	UAS INTEGRATION AND INTEROPERABILITY	41,212	41,212	41,212		41,212
255	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	7,687	7,687	7,687		7,687
256	0305208N	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	42,846	42,846	42,846		42,846
257	0305220N	MQ–4C TRITON	14,395	14,395	14,395		14,395
258	0305231N	MQ–8 UAV	9,843	9,843	9,843		9,843
259	0305232M	RQ–11 UAV	524	524	524		524
260	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASL0)	5,360	5,360	5,360		5,360
261	0305239M	RQ–21A	10,914	10,914	10,914		10,914
262	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	81,231	81,231	81,231		81,231
263	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	5,956	5,956	5,956		5,956
264	0305421N	RQ–4 MODERNIZATION	219,894	216,894	219,894		219,894
		Program decrease		[–3,000]			
265	0308601N	MODELING AND SIMULATION SUPPORT	7,097	7,097	7,097		7,097
266	0702207N	DEPOT MAINTENANCE (NON-IF)	36,560	36,560	36,560		36,560
267	0708730N	MARITIME TECHNOLOGY (MARITECH)	7,284	7,284	7,284		7,284
268	1203109N	SATELLITE COMMUNICATIONS (SPACE)	39,174	39,174	39,174		39,174
268A	9999999999	CLASSIFIED PROGRAMS	1,549,503	1,549,503	1,549,503		1,549,503
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**4,885,060**	**4,872,760**	**4,833,883**	**33,051**	**4,918,111**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	**18,481,666**	**18,387,116**	**18,536,843**	**–97,133**	**18,384,533**
		RESEARCH, DEVELOPMENT, TEST & EVAL, AF					
		BASIC RESEARCH					
001	0601102F	DEFENSE RESEARCH SCIENCES	348,322	348,322	358,322	5,000	353,322
		Basic research program increase			[5,000]	[5,000]	
		Quantum information sciences			[5,000]		
002	0601103F	UNIVERSITY RESEARCH INITIATIVES	154,991	154,991	154,991		154,991

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003	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES	14,506	14,506	17,006		14,506
		Directed energy research			[2,500]		
		SUBTOTAL BASIC RESEARCH	**517,819**	**517,819**	**530,319**	**5,000**	**522,819**
		APPLIED RESEARCH					
004	0602102F	MATERIALS	125,373	144,373	129,373	17,000	142,373
		Additional facility engineering research and development		[3,000]			
		Advanced materials analysis			[4,000]	[4,000]	
		Structural Biology Techniques		[3,000]		[3,000]	
		Sub-atomic particle research		[3,000]			
		Thermal protecting systems for hypersonics		[10,000]		[10,000]	
005	0602201F	AEROSPACE VEHICLE TECHNOLOGIES	130,547	140,547	135,547	10,000	140,547
		Hypersonic vehicle structures		[10,000]	[5,000]	[10,000]	
006	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH	112,518	112,518	112,518		112,518
007	0602203F	AEROSPACE PROPULSION	190,919	195,919	213,419	5,000	195,919
		Affordable Responsive Modular Rocket			[15,000]		
		Multi-mode propulsion			[3,000]		
		Program increase		[5,000]		[5,000]	
		Solid rocket motor produce on-demand			[2,000]		
		Turbine engine technology			[2,500]		
008	0602204F	AEROSPACE SENSORS	166,534	166,534	159,034		166,534
		General program reduction			[–7,500]		
009	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEADQUARTERS ACTIVITIES.	8,288	8,288	8,288		8,288
011	0602602F	CONVENTIONAL MUNITIONS	112,841	112,841	112,841		112,841
012	0602605F	DIRECTED ENERGY TECHNOLOGY	141,898	141,898	145,898		141,898
		Skywave technologies laboratory			[4,000]		

013	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS	162,420	172,420	162,420	10,000	172,420
		Enhance and accelerate Air Force artificial intelligence research		[10,000]		[10,000]	
014	0602890F	HIGH ENERGY LASER RESEARCH	43,359	43,359	55,859	2,500	45,859
		Directed energy research			[2,500]	[2,500]	
		High powered microwave			[10,000]		
015	1206601F	SPACE TECHNOLOGY	117,645	117,645	123,645		117,645
		Wargaming and simulator lab			[6,000]		
		SUBTOTAL APPLIED RESEARCH	**1,312,342**	**1,356,342**	**1,358,842**	**44,500**	**1,356,842**
		ADVANCED TECHNOLOGY DEVELOPMENT					
016	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS	34,426	44,426	31,926	8,500	42,926
		General program reduction			[–5,000]		
		Metals Affordability Initiative		[10,000]	[2,500]	[8,500]	
017	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	15,150	20,150	16,150		15,150
		Air Force artificial intelligence research and non-operational support activities.		[5,000]			
		Prevention/enhanced maintainability technologies			[1,000]		
018	0603203F	ADVANCED AEROSPACE SENSORS	39,968	39,968	39,968		39,968
019	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO	121,002	121,002	131,002	5,000	126,002
		Design/Manufacture aircraft aft body drag reduction devices			[10,000]	[5,000]	
020	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY	115,462	125,462	139,462	9,000	124,462
		General program increase			[9,000]	[9,000]	
		Laser power system enhancement		[10,000]			
		Multi-mode propulsion			[5,000]		
		Technology for the Sustainment of Strategic Systems			[10,000]		
021	0603270F	ELECTRONIC COMBAT TECHNOLOGY	55,319	55,319	60,319		55,319
		RF/EO/IR warning and countermeasures			[5,000]		
022	0603401F	ADVANCED SPACECRAFT TECHNOLOGY	54,895	54,895	54,895		54,895
023	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	10,674	10,674	10,674		10,674
024	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT	36,463	46,463	36,463	5,000	41,463
		Autonomous life support system development		[10,000]		[5,000]	
025	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY	194,981	194,981	194,981		194,981

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026	0603605F	ADVANCED WEAPONS TECHNOLOGY	43,368	43,368	53,368	10,000	53,368
		Demonstrator laser weapon system			[10,000]	[10,000]	
027	0603680F	MANUFACTURING TECHNOLOGY PROGRAM	42,025	47,025	42,025	5,000	47,025
		Academic and industrial partnerships for aerospace materials		[5,000]		[5,000]	
028	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION	51,064	64,364	51,064		51,064
		Additional facility engineering research and development		[8,300]			
		Enhance and accelerate Air Force artificial intelligence research		[5,000]			
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**814,797**	**868,097**	**862,297**	**42,500**	**857,297**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES					
030	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT	5,568	5,568	5,568		5,568
032	0603742F	COMBAT IDENTIFICATION TECHNOLOGY	18,194	18,194	18,194		18,194
033	0603790F	NATO RESEARCH AND DEVELOPMENT	2,305	2,305	2,305		2,305
035	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL	41,856	41,856	41,856		41,856
037	0604015F	LONG RANGE STRIKE—BOMBER	2,314,196	2,314,196	2,314,196		2,314,196
038	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT	14,894	14,894	14,894		14,894
039	0604257F	ADVANCED TECHNOLOGY AND SENSORS	34,585	34,585	34,585		34,585
040	0604288F	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP	9,740	9,740	9,740		9,740
041	0604317F	TECHNOLOGY TRANSFER	12,960	12,960	12,960		12,960
042	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM	71,501	71,501	71,501	–1,800	69,701
		Program excess				[–1,800]	
043	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS	62,618	62,618	62,618		62,618
046	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	28,350	28,350	38,350		28,350
		Tanker prototype			[10,000]		
048	0604858F	TECH TRANSITION PROGRAM	1,186,075	1,201,075	1,408,875	147,800	1,333,875
		Acceleration of Hypersonic Conventional Strike Weapon			[100,000]	[100,000]	
		Competitively Awarded Transition Programs		[5,000]		[5,000]	

		Low cost attritable aircraft prototype			[80,000]		
		Non-engine development technology		[10,000]			
		Rapid Sustainment Initiative			[42,800]	[42,800]	
049	0605230F	GROUND BASED STRATEGIC DETERRENT	345,041	414,441	414,441	69,400	414,441
		Accelerated execution of program		[69,400]	[69,400]	[69,400]	
050	0207110F	NEXT GENERATION AIR DOMINANCE	503,997	413,997	503,997	–60,000	443,997
		Ahead of need		[–90,000]		[–60,000]	
051	0207455F	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR)	40,326	40,326	40,326		40,326
052	0208099F	UNIFIED PLATFORM (UP)	29,800	29,800	29,800		29,800
054	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	41,880	41,880	41,880		41,880
055	0305601F	MISSION PARTNER ENVIRONMENTS	10,074	10,074	10,074		10,074
056	0306250F	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	253,825	253,825	253,825		253,825
057	0306415F	ENABLED CYBER ACTIVITIES	16,325	16,325	16,325		16,325
059	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM	17,577	17,577			17,577
		Duplication concern			[–17,577]		
060	1203164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	286,629	286,629	286,629		286,629
061	1203710F	EO/IR WEATHER SYSTEMS	7,940	7,940	7,940		7,940
062	1206422F	WEATHER SYSTEM FOLLOW-ON	138,052	148,052	138,052	6,000	144,052
		Commercial weather data pilot		[10,000]		[6,000]	
063	1206425F	SPACE SITUATION AWARENESS SYSTEMS	39,338	39,338	39,338	–10,000	29,338
		Ahead of need				[–10,000]	
064	1206434F	MIDTERM POLAR MILSATCOM SYSTEM	383,113	383,113	383,113		383,113
065	1206438F	SPACE CONTROL TECHNOLOGY	91,018	106,018	91,018		91,018
		NTS–3 Payload		[15,000]			
066	1206730F	SPACE SECURITY AND DEFENSE PROGRAM	45,542	49,542	45,542		45,542
		Allied launch services		[4,000]			
067	1206760F	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	51,419	51,419	51,419		51,419
068	1206761F	PROTECTED TACTICAL SERVICE (PTS)	29,776	29,776	29,776		29,776
069	1206855F	PROTECTED SATCOM SERVICES (PSCS)—AGGREGATED	29,379	29,379	29,379		29,379
070	1206857F	OPERATIONALLY RESPONSIVE SPACE	366,050	297,050	316,050	5,000	371,050
		Blackjack		[50,000]		[110,000]	
		Space RCO Advanced Solar Power—early to need		[–119,000]	[–50,000]	[–105,000]	

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		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	**6,529,943**	**6,484,343**	**6,764,566**	**156,400**	**6,686,343**
		SYSTEM DEVELOPMENT & DEMONSTRATION					
071	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	39,602	39,602	39,602		39,602
072	0604201F	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT	58,531	58,531	58,531		58,531
073	0604222F	NUCLEAR WEAPONS SUPPORT	4,468	4,468	4,468		4,468
074	0604270F	ELECTRONIC WARFARE DEVELOPMENT	1,909	1,909	1,909		1,909
075	0604281F	TACTICAL DATA NETWORKS ENTERPRISE	207,746	207,746	257,746	50,000	257,746
		Increase to accelerate 21st Century Battle Management Command and Control.			[50,000]	[50,000]	
076	0604287F	PHYSICAL SECURITY EQUIPMENT	14,421	14,421	14,421		14,421
077	0604329F	SMALL DIAMETER BOMB (SDB)—EMD	73,158	93,158	73,158		73,158
		SDB II cost reduction initiatives		[20,000]			
081	0604429F	AIRBORNE ELECTRONIC ATTACK	7,153	7,153	7,153		7,153
083	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT	58,590	58,590	58,590		58,590
084	0604604F	SUBMUNITIONS	2,990	2,990	2,990		2,990
085	0604617F	AGILE COMBAT SUPPORT	20,028	20,028	20,028		20,028
086	0604618F	JOINT DIRECT ATTACK MUNITION	15,787	15,787	15,787		15,787
087	0604706F	LIFE SUPPORT SYSTEMS	8,919	8,919	8,919		8,919
088	0604735F	COMBAT TRAINING RANGES	35,895	62,895	35,895	8,000	43,895
		Advanced threat radar system		[27,000]		[8,000]	
089	0604800F	F–35—EMD	69,001	69,001	69,001		69,001
091	0604932F	LONG RANGE STANDOFF WEAPON	614,920	699,920	699,920	85,000	699,920
		Accelerated execution of program		[85,000]	[85,000]	[85,000]	
092	0604933F	ICBM FUZE MODERNIZATION	172,902	172,902	172,902		172,902
097	0605221F	KC–46	88,170	88,170	88,170	–5,000	83,170
		Excess to need				[–5,000]	

098	0605223F	ADVANCED PILOT TRAINING	265,465	265,465	265,465		265,465
099	0605229F	COMBAT RESCUE HELICOPTER	457,652	457,652	457,652		457,652
105	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT	3,617	3,617	3,617		3,617
106	0605931F	B–2 DEFENSIVE MANAGEMENT SYSTEM	261,758	261,758	261,758		261,758
107	0101125F	NUCLEAR WEAPONS MODERNIZATION	91,907	91,907	91,907		91,907
108	0207171F	F–15 EPAWSS	137,095	137,095	137,095		137,095
109	0207328F	STAND IN ATTACK WEAPON	43,175	43,175	43,175	–22,600	20,575
		Excess to need				[–22,600]	
110	0207423F	ADVANCED COMMUNICATIONS SYSTEMS	14,888	14,888	14,888		14,888
111	0207701F	FULL COMBAT MISSION TRAINING	1,015	1,015	1,015		1,015
115	0307581F	JSTARS RECAP		623,000	50,000	30,000	30,000
		Continue JSTARS recap GMTI radar development			[50,000]	[30,000]	
		JSTARS recap EMD execution		[623,000]			
116	0401310F	C–32 EXECUTIVE TRANSPORT RECAPITALIZATION	7,943	7,943	7,943		7,943
117	0401319F	PRESIDENTIAL AIRCRAFT RECAPITALIZATION (PAR)	673,032	673,032	673,032		673,032
118	0701212F	AUTOMATED TEST SYSTEMS	13,653	13,653	13,653		13,653
119	1203176F	COMBAT SURVIVOR EVADER LOCATOR	939	939	939		939
120	1203269F	GPS IIIC	451,889	451,889	451,889	–18,000	433,889
		SMI insufficient justification				[–18,000]	
121	1203940F	SPACE SITUATION AWARENESS OPERATIONS	46,668	46,668	46,668		46,668
122	1206421F	COUNTERSPACE SYSTEMS	20,676	20,676	20,676		20,676
123	1206425F	SPACE SITUATION AWARENESS SYSTEMS	134,463	134,463	134,463		134,463
124	1206426F	SPACE FENCE	20,215	20,215	20,215		20,215
125	1206431F	ADVANCED EHF MILSATCOM (SPACE)	151,506	151,506	151,506		151,506
126	1206432F	POLAR MILSATCOM (SPACE)	27,337	27,337	27,337		27,337
127	1206433F	WIDEBAND GLOBAL SATCOM (SPACE)	3,970	3,970	3,970		3,970
128	1206441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	60,565	60,565	60,565		60,565
129	1206442F	EVOLVED SBIRS	643,126	643,126	743,126	100,000	743,126
		Accelerate sensor development			[100,000]	[100,000]	
130	1206853F	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)—EMD	245,447	245,447	245,447		245,447
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	**5,272,191**	**6,027,191**	**5,557,191**	**227,400**	**5,499,591**

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		MANAGEMENT SUPPORT					
131	0604256F	THREAT SIMULATOR DEVELOPMENT	34,256	34,256	34,256		34,256
132	0604759F	MAJOR T&E INVESTMENT	91,844	91,844	106,844	15,000	106,844
		Test infrastructure improvements			[15,000]	[15,000]	
133	0605101F	RAND PROJECT AIR FORCE	34,614	34,614	34,614		34,614
135	0605712F	INITIAL OPERATIONAL TEST & EVALUATION	18,043	18,043	18,043		18,043
136	0605807F	TEST AND EVALUATION SUPPORT	692,784	724,684	692,784	31,900	724,684
		Test range modernization		[31,900]		[31,900]	
137	0605826F	ACQ WORKFORCE- GLOBAL POWER	233,924	233,924	233,924		233,924
138	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	263,488	263,488	263,488		263,488
139	0605828F	ACQ WORKFORCE- GLOBAL REACH	153,591	153,591	153,591		153,591
140	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	232,315	232,315	232,315		232,315
141	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT	169,868	169,868	169,868		169,868
142	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION	226,219	226,219	226,219		226,219
143	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY	38,400	38,400	38,400		38,400
144	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS	125,761	125,761	125,761		125,761
147	0605898F	MANAGEMENT HQ—R&D	10,642	10,642	10,642		10,642
148	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT.	162,216	162,216	162,216		162,216
149	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	28,888	28,888	28,888		28,888
150	0606017F	REQUIREMENTS ANALYSIS AND MATURATION	35,285	35,285	35,285		35,285
153	0308602F	ENTEPRISE INFORMATION SERVICES (EIS)	20,545	20,545	20,545		20,545
154	0702806F	ACQUISITION AND MANAGEMENT SUPPORT	12,367	12,367	12,367		12,367
155	0804731F	GENERAL SKILL TRAINING	1,448	1,448	1,448		1,448
157	1001004F	INTERNATIONAL ACTIVITIES	3,998	3,998	3,998		3,998
158	1206116F	SPACE TEST AND TRAINING RANGE DEVELOPMENT	23,254	23,254	23,254		23,254
159	1206392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE	169,912	169,912	169,912		169,912

160	1206398F	SPACE & MISSILE SYSTEMS CENTER—MHA	10,508	10,508	10,508		10,508
161	1206860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	19,721	29,721	19,721		19,721
		Rocket systems launch program		[10,000]			
162	1206864F	SPACE TEST PROGRAM (STP)	25,620	25,620	25,620		25,620
		SUBTOTAL MANAGEMENT SUPPORT	**2,839,511**	**2,881,411**	**2,854,511**	**46,900**	**2,886,411**
		OPERATIONAL SYSTEMS DEVELOPMENT					
165	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	11,344	11,344	11,344		11,344
167	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS)	47,287	47,287	13,141	–6,185	41,102
		Poor agile development implementation and lenghty delivery timeline			[–34,146]	[–6,185]	
168	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	32,770	32,770	32,770		32,770
169	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	68,368	68,368	68,368		68,368
170	0605278F	HC/MC–130 RECAP RDT&E	32,574	32,574	32,574		32,574
171	0606018F	NC3 INTEGRATION	26,112	26,112	26,112		26,112
172	0606942F	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	99,100	99,100	99,100		99,100
173	0101113F	B–52 SQUADRONS	280,414	295,114	295,214	14,759	295,173
		Air Force requested realignment		[14,700]	[14,800]	[14,759]	
174	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM)	5,955	5,955	5,955		5,955
175	0101126F	B–1B SQUADRONS	76,030	76,030	76,030	–12,800	63,230
		FITP delayed new start				[–12,800]	
176	0101127F	B–2 SQUADRONS	105,561	105,561	105,561		105,561
177	0101213F	MINUTEMAN SQUADRONS	156,047	156,047	156,047		156,047
179	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	10,442	10,442	10,442		10,442
180	0101324F	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK	22,833	22,833	22,833		22,833
181	0101328F	ICBM REENTRY VEHICLES	18,412	18,412	18,412		18,412
183	0102110F	UH–1N REPLACEMENT PROGRAM	288,022	288,022	288,022		288,022
184	0102326F	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM	9,252	9,252	9,252		9,252
186	0205219F	MQ–9 UAV	115,345	115,345	115,345		115,345
188	0207131F	A–10 SQUADRONS	26,738	26,738	26,738		26,738
189	0207133F	F–16 SQUADRONS	191,564	191,564	191,564		191,564
190	0207134F	F–15E SQUADRONS	192,883	242,883	192,883	8,600	201,483
		ALQ–128 EW suite for ANG units		[50,000]		[50,000]	

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		Operational flight plan funding excess to need				[–41,400]	
191	0207136F	MANNED DESTRUCTIVE SUPPRESSION	15,238	15,238	15,238		15,238
192	0207138F	F–22A SQUADRONS	603,553	583,853	603,553	–15,100	588,453
		Program reduction		[–19,700]		[–15,100]	
193	0207142F	F–35 SQUADRONS	549,501	549,501	549,501		549,501
194	0207161F	TACTICAL AIM MISSILES	37,230	37,230	37,230		37,230
195	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	61,393	61,393	61,393		61,393
196	0207227F	COMBAT RESCUE—PARARESCUE	647	647	647		647
198	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT	14,891	14,891	14,891		14,891
199	0207253F	COMPASS CALL	13,901	13,901	13,901		13,901
200	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	121,203	121,203	121,203		121,203
202	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	60,062	60,062	60,062		60,062
203	0207410F	AIR & SPACE OPERATIONS CENTER (AOC)	106,102	79,602	106,102	–8,000	98,102
		Unjustified request		[–26,500]		[–8,000]	
204	0207412F	CONTROL AND REPORTING CENTER (CRC)	6,413	6,413	6,413		6,413
205	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	120,664	78,864	130,664	–7,280	113,384
		Increase to accelerate 21st Century Battle Management Command and Control.			[10,000]	[10,000]	
		Program reduction		[–5,800]			
		Radar controller program delay		[–36,000]		[–17,280]	
206	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS	2,659	2,659	2,659		2,659
208	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	10,316	10,316	10,316		10,316
209	0207444F	TACTICAL AIR CONTROL PARTY-MOD	6,149	6,149	6,149		6,149
210	0207448F	C2ISR TACTICAL DATA LINK	1,738	1,738	1,738		1,738
211	0207452F	DCAPES	13,297	13,297	13,297		13,297
212	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS	1,788	1,788	1,788		1,788
213	0207581F	JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM (JSTARS)	14,888	14,888	14,888		14,888

214	0207590F	SEEK EAGLE	24,699	24,699	24,699		24,699
215	0207601F	USAF MODELING AND SIMULATION	17,078	17,078	17,078		17,078
216	0207605F	WARGAMING AND SIMULATION CENTERS	6,141	6,141	6,141		6,141
218	0207697F	DISTRIBUTED TRAINING AND EXERCISES	4,225	4,225	4,225		4,225
219	0208006F	MISSION PLANNING SYSTEMS	63,653	63,653	63,653		63,653
220	0208007F	TACTICAL DECEPTION	6,949	6,949	6,949		6,949
221	0208087F	AF OFFENSIVE CYBERSPACE OPERATIONS	40,526	40,526	40,526		40,526
222	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS	24,166	24,166	24,166		24,166
223	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2)	13,000	13,000	13,000		13,000
224	0208099F	UNIFIED PLATFORM (UP)	28,759	28,759	28,759		28,759
229	0301017F	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	3,579	3,579	3,579		3,579
230	0301112F	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)	29,620	29,620	29,620		29,620
237	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS.	6,633	6,633	6,633		6,633
238	0302015F	E–4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	57,758	57,758	57,758		57,758
240	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	99,088	99,088	99,088	–13,700	85,388
		Underexecution				[–13,700]	
241	0303133F	HIGH FREQUENCY RADIO SYSTEMS	51,612	51,612	51,612		51,612
242	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM	34,612	34,612	34,612		34,612
244	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE	2,170	2,170	2,170		2,170
246	0304260F	AIRBORNE SIGINT ENTERPRISE	106,873	109,873	106,873	3,000	109,873
		SIGINT single-pod development		[3,000]		[3,000]	
247	0304310F	COMMERCIAL ECONOMIC ANALYSIS	3,472	3,472	3,472		3,472
250	0305015F	C2 AIR OPERATIONS SUITE—C2 INFO SERVICES	8,608	8,608	8,608		8,608
251	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,586	1,586	1,586		1,586
252	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,492	4,492	4,492		4,492
254	0305111F	WEATHER SERVICE	26,942	26,942	26,942		26,942
255	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALS)	6,271	8,771	6,271	2,500	8,771
		Augmentation of air surveillance and early warning radar systems		[2,500]		[2,500]	
256	0305116F	AERIAL TARGETS	8,383	8,383	8,383		8,383
259	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES	418	418	418		418
261	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	3,845	3,845	3,845		3,845

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268	0305202F	DRAGON U–2	48,518	65,518	48,518	17,000	65,518
		EO/IR sensor upgrades		[17,000]		[17,000]	
270	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS	175,334	175,334	175,334	10,000	185,334
		Gorgon Stare		[10,800]		[10,000]	
		Program reduction		[–10,800]			
271	0305207F	MANNED RECONNAISSANCE SYSTEMS	14,223	14,223	14,223		14,223
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	24,554	24,554	24,554		24,554
273	0305220F	RQ–4 UAV	221,690	211,890	221,690		221,690
		RQ–4 infrastructure unjustified request		[–9,800]			
274	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING	14,288	14,288	14,288		14,288
275	0305238F	NATO AGS	51,527	51,527	51,527		51,527
276	0305240F	SUPPORT TO DCGS ENTERPRISE	26,579	26,579	26,579		26,579
278	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES	8,464	8,464	8,464		8,464
280	0305881F	RAPID CYBER ACQUISITION	4,303	4,303	4,303		4,303
284	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,466	2,466	2,466		2,466
285	0307577F	INTELLIGENCE MISSION DATA (IMD)	4,117	4,117	4,117		4,117
287	0401115F	C–130 AIRLIFT SQUADRON	105,988	105,988	105,988		105,988
288	0401119F	C–5 AIRLIFT SQUADRONS (IF)	25,071	25,071	25,071		25,071
289	0401130F	C–17 AIRCRAFT (IF)	48,299	48,299	48,299		48,299
290	0401132F	C–130J PROGRAM	15,409	15,409	15,409		15,409
291	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	4,334	4,334	4,334		4,334
292	0401218F	KC–135S	3,493	3,493	3,493		3,493
293	0401219F	KC–10S	6,569	6,569	6,569		6,569
294	0401314F	OPERATIONAL SUPPORT AIRLIFT	3,172	3,172	3,172		3,172
295	0401318F	CV–22	18,502	18,502	18,502		18,502
296	0401840F	AMC COMMAND AND CONTROL SYSTEM	1,688	1,688	1,688		1,688
297	0408011F	SPECIAL TACTICS / COMBAT CONTROL	2,541	2,541	2,541		2,541

298	0702207F	DEPOT MAINTENANCE (NON-IF)	1,897	1,897	1,897		1,897
299	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	50,933	50,933	15,873		50,933
		Poor agile development implementation			[–35,060]		
300	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	13,787	13,787	13,787		13,787
301	0708611F	SUPPORT SYSTEMS DEVELOPMENT	4,497	4,497	4,497		4,497
302	0804743F	OTHER FLIGHT TRAINING	2,022	2,022	2,022		2,022
303	0808716F	OTHER PERSONNEL ACTIVITIES	108	108	108		108
304	0901202F	JOINT PERSONNEL RECOVERY AGENCY	2,023	2,023	2,023		2,023
305	0901218F	CIVILIAN COMPENSATION PROGRAM	3,772	3,772	3,772		3,772
306	0901220F	PERSONNEL ADMINISTRATION	6,358	6,358	6,358		6,358
307	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,418	1,418	1,418		1,418
308	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT	99,734	99,734	87,918	–5,900	93,834
		Poor agile development implementation			[–11,816]	[–5,900]	
309	1201921F	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES	14,161	14,161	14,161		14,161
310	1202247F	AF TENCAP	26,986	26,986	26,986		26,986
311	1203001F	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	80,168	80,168	80,168		80,168
312	1203110F	SATELLITE CONTROL NETWORK (SPACE)	17,808	17,808	17,808		17,808
314	1203165F	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS)	8,937	8,937	8,937		8,937
315	1203173F	SPACE AND MISSILE TEST AND EVALUATION CENTER	59,935	59,935	59,935		59,935
316	1203174F	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT	21,019	21,019	21,019		21,019
317	1203179F	INTEGRATED BROADCAST SERVICE (IBS)	8,568	8,568	8,568		8,568
318	1203182F	SPACELIFT RANGE SYSTEM (SPACE)	10,641	10,641	10,641		10,641
319	1203265F	GPS III SPACE SEGMENT	144,543	144,543	144,543		144,543
320	1203400F	SPACE SUPERIORITY INTELLIGENCE	16,278	16,278	16,278		16,278
321	1203614F	JSPOC MISSION SYSTEM	72,256	72,256	62,256	–10,000	62,256
		Assumed cost savings			[–10,000]	[–10,000]	
322	1203620F	NATIONAL SPACE DEFENSE CENTER	42,209	42,209	42,209		42,209
325	1203913F	NUDET DETECTION SYSTEM (SPACE)	19,778	19,778	19,778		19,778
326	1203940F	SPACE SITUATION AWARENESS OPERATIONS	19,572	19,572	19,572		19,572
327	1206423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT	513,235	513,235	513,235		513,235
327A	9999999999	CLASSIFIED PROGRAMS	16,534,124	16,390,224	16,534,124		16,534,124
		Classifed adjustment		[–40,000]			

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		Forward financed in the FY18 Omnibus		[–89,900]			
		PDSA staff reduction		[–14,000]			
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**22,891,740**	**22,737,240**	**22,825,518**	**–23,106**	**22,868,634**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF	**40,178,343**	**40,872,443**	**40,753,244**	**499,594**	**40,677,937**
		RESEARCH, DEVELOPMENT, TEST & EVAL, DW					
		BASIC RESEARCH					
001	0601000BR	DTRA BASIC RESEARCH	37,023	37,023	37,023		37,023
002	0601101E	DEFENSE RESEARCH SCIENCES	422,130	416,130	429,630	–6,000	416,130
		Basic research program increase			[5,000]		
		Critical materials			[2,500]		
		Program decrease		[–6,000]		[–6,000]	
003	0601110D8Z	BASIC RESEARCH INITIATIVES	42,702	42,702	52,702		42,702
		Quantum information sciences			[5,000]		
		University-lab research partnership			[5,000]		
004	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	47,825	47,825	57,825	10,000	57,825
		TBI Treatment for blast injuries			[10,000]	[10,000]	
005	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM	85,919	85,919	85,919		85,919
006	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS	30,412	40,412	30,412	10,000	40,412
		Program increase		[10,000]		[10,000]	
007	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	42,103	42,103	42,103		42,103
		SUBTOTAL BASIC RESEARCH	**708,114**	**712,114**	**735,614**	**14,000**	**722,114**
		APPLIED RESEARCH					
008	0602000D8Z	JOINT MUNITIONS TECHNOLOGY	19,170	19,170	21,670	2,500	21,670
		Insensitive munitions			[2,500]	[2,500]	

009	0602115E	BIOMEDICAL TECHNOLOGY	101,300	101,300	101,300		101,300
011	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM	51,596	51,596	51,596		51,596
012	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES	60,688	60,688	53,188		60,688
		General program reduction			[–7,500]		
013	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY	395,317	395,317	395,317		395,317
014	0602383E	BIOLOGICAL WARFARE DEFENSE	38,640	38,640	38,640		38,640
015	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	192,674	192,674	192,674		192,674
016	0602668D8Z	CYBER SECURITY RESEARCH	14,969	14,969	14,969		14,969
017	0602702E	TACTICAL TECHNOLOGY	335,466	335,466	332,966	–2,500	332,966
		General program increase			[2,500]	[2,500]	
		MAD-FIRES reduction			[–5,000]	[–5,000]	
018	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY	226,898	226,898	211,898	–8,000	218,898
		General program reduction			[–15,000]	[–8,000]	
019	0602716E	ELECTRONICS TECHNOLOGY	333,847	333,847	333,847		333,847
020	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH	161,151	161,151	161,151	–4,000	157,151
		JIDO program decrease				[–4,000]	
021	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH	9,300	9,300	9,300		9,300
022	1160401BB	SOF TECHNOLOGY DEVELOPMENT	35,921	35,921	35,921		35,921
		SUBTOTAL APPLIED RESEARCH	**1,976,937**	**1,976,937**	**1,954,437**	**–12,000**	**1,964,937**
		ADVANCED TECHNOLOGY DEVELOPMENT					
023	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY	25,598	25,598	25,598		25,598
024	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	125,271	125,271	111,271	–14,000	111,271
		General program reduction			[–14,000]	[–14,000]	
025	0603133D8Z	FOREIGN COMPARATIVE TESTING	24,532	24,532	24,532		24,532
027	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT.	299,858	299,858	299,858	–29,000	270,858
		JIDO program decrease				[–29,000]	
028	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	13,017	13,017	13,017		13,017
029	0603178C	WEAPONS TECHNOLOGY		10,000	13,400	10,000	10,000
		Accelerate hypersonic defense capability		[10,000]	[13,400]	[10,000]	
031	0603180C	ADVANCED RESEARCH	20,365	40,365	42,565	22,000	42,365

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		Accelerate hypersonic missile defense		[20,000]	[22,200]	[22,000]	
032	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,644	18,644	18,644		18,644
034	0603286E	ADVANCED AEROSPACE SYSTEMS	277,603	277,603	282,603	5,000	282,603
		Hypersonics weapons programs development and transition			[5,000]	[5,000]	
035	0603287E	SPACE PROGRAMS AND TECHNOLOGY	254,671	254,671	364,671		254,671
		Blackjack increase			[110,000]		
036	0603288D8Z	ANALYTIC ASSESSMENTS	19,472	19,472	19,472		19,472
037	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	37,263	37,263	37,263		37,263
038	0603291D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS—MHA	13,621	13,621	13,621		13,621
039	0603294C	COMMON KILL VEHICLE TECHNOLOGY	189,753	100,753	189,753	–89,000	100,753
		Early to need		[–89,000]		[–89,000]	
040	0603342D8W	DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX)	29,364	29,364	29,864		29,364
		Defense technology innovation			[500]		
041	0603375D8Z	TECHNOLOGY INNOVATION	83,143	83,143	103,143		83,143
		Commercial SAR satellites			[20,000]		
042	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT.	142,826	142,826	142,826		142,826
043	0603527D8Z	RETRACT LARCH	161,128	161,128	161,128		161,128
044	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY	12,918	12,918	12,918		12,918
045	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	106,049	106,049	106,049		106,049
046	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES	12,696	12,696	5,196		12,696
		General program reduction			[–7,500]		
047	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM	114,637	114,637	121,637		114,637
		Enhancing cybersecurity for small vendors			[5,000]		
		Eye protection system			[2,000]		
048	0603680S	MANUFACTURING TECHNOLOGY PROGRAM	49,667	49,667	52,167	2,500	52,167
		General program increase			[2,500]	[2,500]	

049	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT	48,338	48,338	48,338		48,338
050	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	11,778	11,778	12,778	1,000	12,778
		General program increase			[1,000]	[1,000]	
052	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	76,514	76,514	86,514	10,000	86,514
		Readiness Increase			[10,000]	[10,000]	
053	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT	168,931	168,931	173,931	5,000	173,931
		Tunable filter, support for microelectronics development			[5,000]	[5,000]	
054	0603727D8Z	JOINT WARFIGHTING PROGRAM	5,992	5,992	5,992		5,992
055	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES	111,099	111,099	118,599	7,500	118,599
		Support for the Electronics Resurgence Initiative			[7,500]	[7,500]	
056	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	185,984	185,984	185,984		185,984
057	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY	438,569	438,569	428,569	–4,500	434,069
		General program reduction			[–10,000]	[–4,500]	
058	0603767E	SENSOR TECHNOLOGY	190,128	190,128	191,628	1,500	191,628
		Sensors and processing systems technology			[1,500]	[1,500]	
059	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	13,564	13,564	13,564		13,564
060	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE	15,050	15,050	15,050		15,050
061	0603826D8Z	QUICK REACTION SPECIAL PROJECTS	69,626	69,626	59,626	–10,000	59,626
		General program reduction			[–10,000]	[–10,000]	
062	0603833D8Z	ENGINEERING SCIENCE & TECHNOLOGY	19,415	19,415	19,415		19,415
063	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	69,533	69,533	69,533		69,533
064	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY	96,389	96,389	111,389	15,000	111,389
		Hypersonics and directed energy test			[10,000]	[10,000]	
		Workforce development			[5,000]	[5,000]	
065	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	40,582	40,582	50,582	5,000	45,582
		Readiness Increase			[10,000]	[5,000]	
066	0303310D8Z	CWMD SYSTEMS	26,644	26,644	26,644		26,644
067	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT	79,380	79,380	79,380		79,380
067A	0603XXXD8Z	NATIONAL SECURITY INNOVATION ACTIVITIES			150,000	75,000	75,000
		Establish office for capital investment			[150,000]	[75,000]	
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**3,699,612**	**3,640,612**	**4,038,712**	**13,000**	**3,712,612**

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		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES					
068	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P.	28,140	28,140	28,140		28,140
069	0603600D8Z	WALKOFF	92,222	92,222	92,222		92,222
070	0603821D8Z	ACQUISITION ENTERPRISE DATA & INFORMATION SERVICES	2,506	2,506	2,506		2,506
071	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	40,016	40,016	50,016	2,000	42,016
		Readiness Increase			[10,000]	[2,000]	
072	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	214,173	359,173	398,273	184,100	398,273
		Accelerate USFK JEON delivery		[100,000]	[184,100]	[184,100]	
		Address cyber threats		[45,000]			
073	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	926,359	726,359	718,359	–109,000	817,359
		Address cyber threats		[8,000]		[8,000]	
		Forward financed in the FY18 Omnibus		[–208,000]	[–208,000]	[–117,000]	
074	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL	129,886	129,886	129,886		129,886
075	0603884C	BALLISTIC MISSILE DEFENSE SENSORS	220,876	245,876	244,876	29,000	249,876
		Accelerate USFK JEON delivery		[20,000]	[24,000]	[24,000]	
		Address cyber threats		[5,000]		[5,000]	
076	0603890C	BMD ENABLING PROGRAMS	540,926	540,926	540,926		540,926
077	0603891C	SPECIAL PROGRAMS—MDA	422,348	422,348	422,348		422,348
078	0603892C	AEGIS BMD	767,539	767,539	767,539		767,539
081	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	475,168	483,168	425,168	8,000	483,168
		Address cyber threats		[8,000]		[8,000]	
		Inconsistent capability delivery			[–50,000]		
082	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	48,767	48,767	48,767		48,767
083	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC)	54,925	54,925	54,925		54,925
084	0603906C	REGARDING TRENCH	16,916	16,916	16,916		16,916

085	0603907C	SEA BASED X-BAND RADAR (SBX)	149,715	116,715	116,715	–13,000	136,715
		Forward financed in the FY18 Omnibus		[–33,000]	[–33,000]	[–13,000]	
086	0603913C	ISRAELI COOPERATIVE PROGRAMS	300,000	300,000	300,000		300,000
087	0603914C	BALLISTIC MISSILE DEFENSE TEST	365,681	430,681	437,581	86,900	452,581
		Accelerate USFK JEON delivery		[50,000]	[71,900]	[71,900]	
		Address cyber threats		[15,000]		[15,000]	
088	0603915C	BALLISTIC MISSILE DEFENSE TARGETS	517,852	491,352	486,352	–26,500	491,352
		Accelerate USFK JEON delivery		[4,500]	[4,500]	[4,500]	
		Address cyber threats		[5,000]		[5,000]	
		Forward financed in the FY18 Omnibus		[–36,000]	[–36,000]	[–36,000]	
089	0603920D8Z	HUMANITARIAN DEMINING	11,347	11,347	11,347		11,347
090	0603923D8Z	COALITION WARFARE	8,528	8,528	8,528		8,528
091	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,477	3,477	8,477	5,000	8,477
		Corrosion prevention			[5,000]	[5,000]	
092	0604115C	TECHNOLOGY MATURATION INITIATIVES	148,822	203,822	228,822	55,000	203,822
		Address cyber threats		[5,000]		[5,000]	
		Laser scaling for boost phase intercept		[50,000]	[80,000]	[50,000]	
093	0604132D8Z	MISSILE DEFEAT PROJECT	58,607	58,607	58,607		58,607
094	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	12,993	12,993	12,993	–12,993	
		JIDO program decrease				[–12,993]	
095	0604181C	HYPERSONIC DEFENSE	120,444	130,444	130,944	10,500	130,944
		Accelerate hypersonic defense capability		[10,000]	[10,500]	[10,500]	
096	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES	1,431,702	1,381,702	1,481,702		1,431,702
		Program reduction		[–50,000]		[–50,000]	
		Quartermaster Pathfinder			[50,000]	[50,000]	
097	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS	233,142	233,142	238,642	5,500	238,642
		New trust approach development			[5,500]	[5,500]	
098	0604331D8Z	RAPID PROTOTYPING PROGRAM	99,333	99,333	99,333		99,333
098A	0604342D8Z	DEFENSE TECHNOLOGY OFFSET		100,000		100,000	100,000
		Directed energy		[100,000]		[100,000]	

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099	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	3,781	3,781	3,781		3,781
100	0604673C	PACIFIC DISCRIMINATING RADAR	95,765	95,765	95,765		95,765
101	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,768	3,768	3,768		3,768
103	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	22,435	22,435	22,435		22,435
104	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR)	164,562	164,562	164,562		164,562
105	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS	561,220	421,820	421,820	–139,400	421,820
		Forward financed in the FY18 Omnibus		[–139,400]	[–139,400]	[–139,400]	
106	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST	61,017	61,017	61,017		61,017
107	0604878C	AEGIS BMD TEST	95,756	95,756	95,756		95,756
108	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST	81,001	81,001	81,001		81,001
109	0604880C	LAND-BASED SM–3 (LBSM3)	27,692	27,842	27,692		27,692
		Retain Poland CHUs		[150]			
111	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST	81,934	72,634	72,634	–9,300	72,634
		Forward financed in the FY18 Omnibus		[–9,300]	[–9,300]	[–9,300]	
112	0604894C	MULTI-OBJECT KILL VEHICLE	8,256	8,256	8,256	–1,386	6,870
		Unjustifed growth				[–1,386]	
113	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS	2,600	2,600	2,600		2,600
114	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,104	3,104	3,104		3,104
115	0305103C	CYBER SECURITY INITIATIVE	985	985	985		985
116	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM	36,955	36,955	36,955		36,955
117	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	16,484	74,484	89,484	78,000	94,484
		Address cyber threats		[8,000]		[5,000]	
		Develop space sensor architecture		[50,000]	[73,000]	[73,000]	
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES	**8,709,725**	**8,717,675**	**8,752,525**	**252,421**	**8,962,146**

		SYSTEM DEVELOPMENT AND DEMONSTRATION					
118	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD	8,333	8,333	8,333		8,333
119	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	263,414	413,414	263,414	150,000	413,414
		Accelerate program		[150,000]		[150,000]	
120	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD	388,701	388,701	388,701		388,701
121	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	19,503	19,503	19,503		19,503
122	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT	6,163	6,163	6,163		6,163
123	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT	11,988	11,988			11,988
		Lengthy delivery timelines			[–11,988]		
124	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE	296	296	296		296
125	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM	1,489	1,489	1,489		1,489
126	0605027D8Z	OUSD(C) IT DEVELOPMENT INITIATIVES	9,590	9,590	9,590		9,590
127	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION	3,173	3,173	3,173		3,173
128	0605075D8Z	DCMO POLICY AND INTEGRATION	2,105	2,105	3,105		2,105
		Data and advanced analytics			[1,000]		
129	0605080S	DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM	21,156	21,156	21,156		21,156
130	0605090S	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)	10,731	10,731	10,731		10,731
132	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES	6,374	6,374			6,374
		Duplication concern			[–6,374]		
133	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS	56,178	56,178	58,678	2,500	58,678
		New trust approach development			[2,500]	[2,500]	
134	0303141K	GLOBAL COMBAT SUPPORT SYSTEM	2,512	2,512	2,512		2,512
135	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)	2,435	2,435	2,435		2,435
136	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION	17,048	17,048	17,048		17,048
		SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION	**831,189**	**981,189**	**816,327**	**152,500**	**983,689**
		MANAGEMENT SUPPORT					
137	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS)	6,661	6,661	6,661		6,661
138	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	4,088	4,088	4,088		4,088
139	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP)	258,796	258,796	268,796	10,000	268,796
		Advanced hypersonic wind tunnel experimentation			[10,000]	[10,000]	
140	0604942D8Z	ASSESSMENTS AND EVALUATIONS	31,356	31,356	31,356		31,356

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141	0605001E	MISSION SUPPORT	65,646	65,646	65,646		65,646
142	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	84,184	84,184	89,184	5,000	89,184
		Cyber range capacity and development			[5,000]	[5,000]	
143	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	22,576	22,576	17,576		22,576
		General program reduction			[–5,000]		
144	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO)	52,565	42,565	52,565		52,565
		Unjustified program growth		[–10,000]			
146	0605142D8Z	SYSTEMS ENGINEERING	38,872	38,872	38,872		38,872
147	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD	3,534	3,534	3,534		3,534
148	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY	5,050	5,050	5,050		5,050
149	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	11,450	11,450	11,450		11,450
150	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE)	1,693	1,693	1,693		1,693
151	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	102,883	102,883	102,883		102,883
159	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER.	2,545	2,545	2,545		2,545
160	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS	24,487	24,487	24,487		24,487
161	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	56,853	56,853	56,853		56,853
162	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION	24,914	24,914	24,914		24,914
163	0605804D8Z	DEVELOPMENT TEST AND EVALUATION	20,179	20,179	25,179	5,000	25,179
		Improve software testing capabilities			[5,000]	[5,000]	
164	0605898E	MANAGEMENT HQ—R&D	13,643	13,643	13,643		13,643
165	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	4,124	4,124	4,124		4,124
166	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS	5,768	5,768	5,768		5,768
167	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	1,030	1,030	1,030		1,030
168	0606589D8W	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT	1,000	1,000	1,000		1,000
169	0606942C	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	3,400	3,400	3,400		3,400
170	0606942S	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	4,000	4,000	4,000		4,000

171	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)	3,008	3,008	3,008		3,008
172	0204571J	JOINT STAFF ANALYTICAL SUPPORT	6,658	6,658	6,658		6,658
175	0303166J	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	652	652	652		652
176	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO)	1,005	1,005	1,005		1,005
177	0305172K	COMBINED ADVANCED APPLICATIONS	21,363	21,363	21,363		21,363
180	0305245D8Z	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS	109,529	109,529	109,529		109,529
181	0306310D8Z	CWMD SYSTEMS: RDT&E MANAGEMENT SUPPORT	1,244	1,244	1,244		1,244
184	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA.	42,940	42,940	42,940		42,940
185	0901598C	MANAGEMENT HQ—MDA	28,626	28,626	28,626		28,626
187	0903235K	JOINT SERVICE PROVIDER (JSP)	5,104	5,104	5,104		5,104
188A	9999999999	CLASSIFIED PROGRAMS	45,604	45,604	45,604		45,604
		SUBTOTAL MANAGEMENT SUPPORT	**1,117,030**	**1,107,030**	**1,132,030**	**20,000**	**1,137,030**
		OPERATIONAL SYSTEM DEVELOPMENT					
189	0604130V	ENTERPRISE SECURITY SYSTEM (ESS)	9,750	9,750	9,750		9,750
190	0605127T	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA.	1,855	1,855	1,855		1,855
191	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHASIS).	304	304	304		304
192	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	10,376	10,376	10,376		10,376
193	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT	5,915	5,915	5,915		5,915
194	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS).	5,869	5,869	5,869		5,869
195	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).	48,741	48,741	48,741		48,741
196	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS)	3,037	3,037	3,037		3,037
197	0208045K	C4I INTEROPERABILITY	62,814	62,814	62,814		62,814
203	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION	16,561	16,561	16,561		16,561
204	0303126K	LONG-HAUL COMMUNICATIONS—DCS	14,769	14,769	14,769		14,769
205	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	17,579	17,579	17,579		17,579
207	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI)	31,737	31,737	31,737		31,737

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208	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM	7,940	17,940	7,940	10,000	17,940
		Expand cyber scholarship program		[10,000]		[10,000]	
209	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM	229,252	229,252	229,252		229,252
210	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM	19,611	19,611	19,611		19,611
211	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM	46,900	46,900	46,900		46,900
212	0303153K	DEFENSE SPECTRUM ORGANIZATION	7,570	7,570	7,570		7,570
213	0303228K	JOINT INFORMATION ENVIRONMENT (JIE)	7,947	7,947	7,947		7,947
215	0303430K	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY	39,400	39,400	39,400		39,400
224	0305186D8Z	POLICY R&D PROGRAMS	6,262	6,262	3,262		6,262
		General program reduction			[–3,000]		
225	0305199D8Z	NET CENTRICITY	16,780	16,780	16,780		16,780
227	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	6,286	6,286	6,286		6,286
230	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	2,970	2,970	2,970		2,970
233	0305327V	INSIDER THREAT	5,954	5,954	10,954		5,954
		Personnel security and continuous evaluation			[5,000]		
234	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	2,198	2,198	2,198		2,198
240	0307577D8Z	INTELLIGENCE MISSION DATA (IMD)	6,889	6,889	6,889		6,889
242	0708012K	LOGISTICS SUPPORT ACTIVITIES	1,317	1,317	1,317		1,317
243	0708012S	PACIFIC DISASTER CENTERS	1,770	1,770	1,770		1,770
244	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	1,805	1,805	1,805		1,805
246	1105219BB	MQ–9 UAV	18,403	18,403	18,403		18,403
248	1160403BB	AVIATION SYSTEMS	184,993	179,993	184,993	–5,000	179,993
		Realignment of funds		[–5,000]		[–5,000]	
249	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT	10,625	10,625	10,625		10,625
250	1160408BB	OPERATIONAL ENHANCEMENTS	102,307	102,307	102,307		102,307
251	1160431BB	WARRIOR SYSTEMS	46,942	51,942	46,942		46,942
		Freeze-dried canine plasma for hemorrhagic control		[5,000]			

252	1160432BB	SPECIAL PROGRAMS	2,479	2,479	2,479		2,479
253	1160434BB	UNMANNED ISR	27,270	27,270	27,270		27,270
254	1160480BB	SOF TACTICAL VEHICLES	1,121	1,121	1,121		1,121
255	1160483BB	MARITIME SYSTEMS	42,471	42,471	42,471		42,471
256	1160489BB	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	4,780	4,780	4,780		4,780
257	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE	12,176	12,176	12,176		12,176
258	1203610K	TELEPORT PROGRAM	2,323	2,323	2,323		2,323
258A	9999999999	CLASSIFIED PROGRAMS	3,877,898	3,877,898	3,887,898	10,000	3,887,898
		Classified increase			[10,000]	[10,000]	
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT	**4,973,946**	**4,983,946**	**4,985,946**	**15,000**	**4,988,946**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	**22,016,553**	**22,119,503**	**22,415,591**	**454,921**	**22,471,474**
		OPERATIONAL TEST & EVAL, DEFENSE					
		MANAGEMENT SUPPORT					
001	0605118OTE	OPERATIONAL TEST AND EVALUATION	85,685	85,685	85,685		85,685
002	0605131OTE	LIVE FIRE TEST AND EVALUATION	64,332	64,332	64,332		64,332
003	0605814OTE	OPERATIONAL TEST ACTIVITIES AND ANALYSES	70,992	70,992	81,892	10,900	81,892
		Increase for test and evaluation technologies			[10,900]	[10,900]	
		SUBTOTAL MANAGEMENT SUPPORT	**221,009**	**221,009**	**231,909**	**10,900**	**231,909**
		TOTAL OPERATIONAL TEST & EVAL, DEFENSE	**221,009**	**221,009**	**231,909**	**10,900**	**231,909**
		TOTAL RDT&E	**91,056,950**	**91,921,650**	**92,216,538**	**670,453**	**91,727,403**

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES					

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
056	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	1,000		1,000		1,000
		Realignment of EDI APS Unit Set from OCO to Base		[–1,000]			
058	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	1,500	1,500	1,500		1,500
061	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	3,000	3,000	3,000		3,000
076	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)	23,000		23,000		23,000
		Realignment of EDI APS Unit Set from OCO to Base		[–23,000]			
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	**28,500**	**28,500**	**28,500**		**28,500**
		SYSTEM DEVELOPMENT & DEMONSTRATION					
088	0604328A	TRACTOR CAGE	12,000	12,000	12,000		12,000
100	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV	119,300	119,300	119,300		119,300
125	0605032A	TRACTOR TIRE	66,760	66,760	66,760		66,760
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM)	2,670	2,670	2,670		2,670
136	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	34,933	34,933	34,933		34,933
147	0303032A	TROJAN—RH12	1,200	1,200	1,200		1,200
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	**236,863**	**236,863**	**236,863**		**236,863**
		OPERATIONAL SYSTEMS DEVELOPMENT					
184	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS	2,548	2,548	2,548		2,548
185	0607133A	TRACTOR SMOKE	7,780	7,780	7,780		7,780
206	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	2,000		2,000		2,000
		Realignment of EDI APS Unit Set from OCO to Base		[–2,000]			
209	0205402A	INTEGRATED BASE DEFENSE—OPERATIONAL SYSTEM DEV	8,000	8,000	8,000		8,000
216	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	23,199	23,199	23,199		23,199
226	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	14,000		14,000		14,000
		Realignment of EDI APS Unit Set from OCO to Base		[–14,000]			
231	0307665A	BIOMETRICS ENABLED INTELLIGENCE	2,214	2,214	2,214		2,214

		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**59,741**	**59,741**	**59,741**	**59,741**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	**325,104**	**285,104**	**325,104**	**325,104**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
041	0603527N	RETRACT LARCH	18,000	18,000	18,000	18,000
061	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	13,900	13,900	13,900	13,900
074	0603795N	LAND ATTACK TECHNOLOGY	1,400	1,400	1,400	1,400
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	**33,300**	**33,300**	**33,300**	**33,300**
		SYSTEM DEVELOPMENT & DEMONSTRATION				
149	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	1,100	1,100	1,100	1,100
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	**1,100**	**1,100**	**1,100**	**1,100**
		OPERATIONAL SYSTEMS DEVELOPMENT				
236	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	16,130	16,130	16,130	16,130
268A	9999999999	CLASSIFIED PROGRAMS	117,282	117,282	117,282	117,282
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**133,412**	**133,412**	**133,412**	**133,412**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	**167,812**	**167,812**	**167,812**	**167,812**
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
065	1206438F	SPACE CONTROL TECHNOLOGY	1,100	1,100	1,100	1,100
070	1206857F	OPERATIONALLY RESPONSIVE SPACE	12,395	12,395	12,395	12,395
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	**13,495**	**13,495**	**13,495**	**13,495**
		OPERATIONAL SYSTEMS DEVELOPMENT				
186	0205219F	MQ–9 UAV	4,500	4,500	4,500	4,500
187	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE	4,000	4,000	4,000	4,000
188	0207131F	A–10 SQUADRONS	1,000	1,000	1,000	1,000
217	0207610F	BATTLEFIELD ABN COMM NODE (BACN)	42,349	42,349	42,349	42,349
228	0208288F	INTEL DATA APPLICATIONS	1,200	1,200	1,200	1,200

SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Program Element	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
254	0305111F	WEATHER SERVICE	3,000	3,000	3,000		3,000
268	0305202F	DRAGON U–2	22,100	22,100	22,100		22,100
272	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	29,500	29,500	29,500		29,500
310	1202247F	AF TENCAP	5,000	5,000	5,000		5,000
327A	9999999999	CLASSIFIED PROGRAMS	188,127	188,127	188,127		188,127
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	**300,776**	**300,776**	**300,776**		**300,776**
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF	**314,271**	**314,271**	**314,271**		**314,271**
		ADVANCED TECHNOLOGY DEVELOPMENT					
024	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	25,000	25,000	25,000		25,000
026	0603134BR	COUNTER IMPROVISED-THREAT SIMULATION	13,648	13,648	13,648		13,648
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	**38,648**	**38,648**	**38,648**		**38,648**
		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES					
094	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	242,668	242,668	242,668	–84,161	158,507
		JIDO program adjustment				[–84,161]	
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES	**242,668**	**242,668**	**242,668**		**242,668**
		OPERATIONAL SYSTEM DEVELOPMENT					
250	1160408BB	OPERATIONAL ENHANCEMENTS	3,632	3,632	3,632		3,632
251	1160431BB	WARRIOR SYSTEMS	11,040	11,040	11,040		11,040
253	1160434BB	UNMANNED ISR	11,700	11,700	11,700		11,700
254	1160480BB	SOF TACTICAL VEHICLES	725	725	725		725
258A	9999999999	CLASSIFIED PROGRAMS	192,131	192,131	192,131		192,131
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT	**219,228**	**219,228**	**219,228**		**219,228**

TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	**500,544**	**500,544**	**500,544**	**–84,161**	**416,383**
TOTAL RDT&E	**1,307,731**	**1,267,731**	**1,307,731**	**–84,161**	**1,223,570**

TITLE XLIII—OPERATION AND MAINTENANCE

SEC. 4301. OPERATION AND MAINTENANCE.

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	OPERATION & MAINTENANCE, ARMY					
	OPERATING FORCES					
010	MANEUVER UNITS	2,076,360	1,631,060	2,076,360	–291,000	1,785,360
	Excess growth				[–15,000]	
	Readiness restoration		[9,400]		[9,400]	
	Realign OCO requirements from Base to OCO		[–454,700]		[–285,400]	
020	MODULAR SUPPORT BRIGADES	107,946	109,746	107,946	1,800	109,746
	Readiness restoration		[1,800]		[1,800]	
030	ECHELONS ABOVE BRIGADE	732,485	588,515	732,485	7,600	740,085
	Readiness restoration		[7,600]		[7,600]	
	Realign OCO requirements from Base to OCO		[–151,570]			
040	THEATER LEVEL ASSETS	1,169,508	945,308	1,169,508	18,300	1,187,808
	Readiness restoration		[18,300]		[18,300]	
	Realign OCO requirements from Base to OCO		[–242,500]			
050	LAND FORCES OPERATIONS SUPPORT	1,180,460	1,197,960	1,180,460	17,500	1,197,960
	Readiness restoration		[17,500]		[17,500]	
060	AVIATION ASSETS	1,467,500	1,485,300	1,467,500	–32,200	1,435,300

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	Readiness restoration		[17,800]		[17,800]	
	Unjustified program growth				[–50,000]	
070	FORCE READINESS OPERATIONS SUPPORT	4,285,211	3,680,951	4,285,211		4,285,211
	Female personal protective equipment		[2,000]			
	Realign OCO requirements from Base to OCO		[–606,260]			
080	LAND FORCES SYSTEMS READINESS	482,201	482,201	482,201		482,201
090	LAND FORCES DEPOT MAINTENANCE	1,536,851	1,375,231	1,536,851	–60,100	1,476,751
	Readiness restoration		[111,200]		[111,200]	
	Realign OCO requirements from Base to OCO		[–272,820]		[–171,300]	
100	BASE OPERATIONS SUPPORT	8,274,299	7,668,039	8,284,299	–14,155	8,260,144
	Operation and Maintenance, Army DSMOA			[10,000]	[10,000]	
	Realign OCO requirements from Base to OCO		[–606,260]			
	Unjustified growth				[–24,155]	
110	FACILITIES SUSTAINMENT	3,516,859	2,497,978	3,516,859	–1,043,881	2,472,978
	85% Sustainment		[175,469]		[175,469]	
	Capability Output Level 3 Funding		[25,000]			
	Realignment of FSRM funds to new RM and Demo lines		[–1,219,350]		[–1,219,350]	
111	FACILITIES RESTORATION & MODERNIZATION		1,054,140		1,054,140	1,054,140
	Realignment of FSRM funds to new RM and Demo lines		[1,054,140]		[1,054,140]	
112	FACILITIES DEMOLITION		215,210		215,210	215,210
	Program increase		[50,000]		[50,000]	
	Realignment of FSRM funds to new RM and Demo lines		[165,210]		[165,210]	
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	438,733	438,733	438,733		438,733
180	US AFRICA COMMAND	231,518	231,518	231,518		231,518
190	US EUROPEAN COMMAND	150,268	150,268	150,268		150,268
200	US SOUTHERN COMMAND	195,964	195,964	210,264	14,300	210,264
	SOUTHCOM ABN GFE Sensor (GEOINT/SIGINT)			[4,200]	[4,200]	

	SOUTHCOM Cyber HUMINT (CME/OPS)			[1,000]	[1,000]	
	SOUTHCOM OSINT/PAI (CME/LIC/TOOLS)			[1,600]	[1,600]	
	SOUTHCOM Overland Airborne ISR Flight Hours			[7,200]	[7,200]	
	SOUTHCOM SIGINT Suite COMSAT RF			[300]	[300]	
210	US FORCES KOREA	59,625	59,625	59,625		59,625
	SUBTOTAL OPERATING FORCES	**25,905,788**	**24,007,747**	**25,930,088**	**–112,486**	**25,793,302**
	MOBILIZATION					
220	STRATEGIC MOBILITY	370,941	370,941	370,941		370,941
230	ARMY PREPOSITIONED STOCKS	573,560	732,313	573,560		573,560
	Realignment of EDI APS Unit Set from OCO to Base		[158,753]			
240	INDUSTRIAL PREPAREDNESS	7,678	7,678	7,678		7,678
	SUBTOTAL MOBILIZATION	**952,179**	**1,110,932**	**952,179**		**952,179**
	TRAINING AND RECRUITING					
250	OFFICER ACQUISITION	135,832	135,832	135,832		135,832
260	RECRUIT TRAINING	54,819	54,819	54,819		54,819
270	ONE STATION UNIT TRAINING	69,599	69,599	69,599		69,599
280	SENIOR RESERVE OFFICERS TRAINING CORPS	518,998	518,998	518,998		518,998
290	SPECIALIZED SKILL TRAINING	1,020,073	1,020,073	1,020,073	–13,000	1,007,073
	Program decrease unaccounted for				[–13,000]	
300	FLIGHT TRAINING	1,082,190	1,082,190	1,082,190		1,082,190
310	PROFESSIONAL DEVELOPMENT EDUCATION	220,399	220,399	220,399		220,399
320	TRAINING SUPPORT	611,482	611,482	611,482		611,482
330	RECRUITING AND ADVERTISING	698,962	698,962	498,962	–86,877	612,085
	Marketing Cuts			[–200,000]	[–86,877]	
340	EXAMINING	162,049	162,049	162,049		162,049
350	OFF-DUTY AND VOLUNTARY EDUCATION	215,622	215,622	215,622		215,622
360	CIVILIAN EDUCATION AND TRAINING	176,914	176,914	176,914		176,914
370	JUNIOR RESERVE OFFICER TRAINING CORPS	174,430	177,570	174,430	3,140	177,570
	Program increase		[3,140]		[3,140]	
	SUBTOTAL TRAINING AND RECRUITING	**5,141,369**	**5,144,509**	**4,941,369**	**–96,737**	**5,044,632**

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	ADMIN & SRVWIDE ACTIVITIES					
390	SERVICEWIDE TRANSPORTATION	588,047	436,447	588,047		588,047
	Realign OCO requirements from Base to OCO		[–151,600]			
400	CENTRAL SUPPLY ACTIVITIES	931,462	931,462	931,462		931,462
410	LOGISTIC SUPPORT ACTIVITIES	696,114	696,114	696,114		696,114
420	AMMUNITION MANAGEMENT	461,637	461,637	461,637		461,637
430	ADMINISTRATION	447,564	447,564	447,564		447,564
440	SERVICEWIDE COMMUNICATIONS	2,069,127	2,069,127	2,069,127		2,069,127
450	MANPOWER MANAGEMENT	261,021	261,021	261,021		261,021
460	OTHER PERSONNEL SUPPORT	379,541	379,541	379,541		379,541
470	OTHER SERVICE SUPPORT	1,699,767	1,699,767	1,699,767	–12,000	1,687,767
	Program decrease unaccounted for				[–12,000]	
480	ARMY CLAIMS ACTIVITIES	192,686	192,686	192,686		192,686
490	REAL ESTATE MANAGEMENT	240,917	240,917	240,917		240,917
500	FINANCIAL MANAGEMENT AND AUDIT READINESS	291,569	291,569	291,569		291,569
510	INTERNATIONAL MILITARY HEADQUARTERS	442,656	442,656	442,656		442,656
520	MISC. SUPPORT OF OTHER NATIONS	48,251	58,251	48,251		48,251
	NATO Cooperative Cyber Defense Center of Excellence		[5,000]			
	NATO Strategic Communications Center of Excellence		[5,000]			
565	CLASSIFIED PROGRAMS	1,259,622	1,259,622	1,259,622		1,259,622
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	**10,009,981**	**9,868,381**	**10,009,981**	**–12,000**	**9,997,981**
	UNDISTRIBUTED					
570	UNDISTRIBUTED		–894,500	–200,000	–710,000	–710,000
	Army misrepresentation of civilian pay budget request			[–200,000]	[–100,000]	
	Foreign Currency adjustments		[–210,300]		[–137,000]	

	Historical unobligated balances		[–694,200]		[–473,000]	
	Simulators and other technologies to reduce the use of live animal tissue for medical training		[10,000]			
	SUBTOTAL UNDISTRIBUTED		**–894,500**	**–200,000**	**–710,000**	**–710,000**
	TOTAL OPERATION & MAINTENANCE, ARMY	**42,009,317**	**39,237,069**	**41,633,617**	**–931,223**	**41,078,094**
	OPERATION & MAINTENANCE, ARMY RES					
	OPERATING FORCES					
010	MODULAR SUPPORT BRIGADES	13,867	13,867	13,867		13,867
020	ECHELONS ABOVE BRIGADE	536,438	536,438	536,438		536,438
030	THEATER LEVEL ASSETS	113,225	113,225	113,225		113,225
040	LAND FORCES OPERATIONS SUPPORT	551,141	551,141	551,141		551,141
050	AVIATION ASSETS	89,073	89,073	89,073		89,073
060	FORCE READINESS OPERATIONS SUPPORT	409,531	409,531	409,531		409,531
070	LAND FORCES SYSTEMS READINESS	101,411	101,411	101,411		101,411
080	LAND FORCES DEPOT MAINTENANCE	60,114	60,114	60,114		60,114
090	BASE OPERATIONS SUPPORT	595,728	595,728	595,728	–16,000	579,728
	Program decrease unaccounted for				[–16,000]	
100	FACILITIES SUSTAINMENT	304,658	263,065	304,658	–41,593	263,065
	Realignment of FSRM funds to new RM and Demo lines		[–71,593]		[–71,593]	
	Sustainment recovery		[30,000]		[30,000]	
101	FACILITIES RESTORATION & MODERNIZATION		49,176		49,176	49,176
	Realignment of FSRM funds to new RM and Demo lines		[49,176]		[49,176]	
102	FACILITIES DEMOLITION		22,417		22,417	22,417
	Realignment of FSRM funds to new RM and Demo lines		[22,417]		[22,417]	
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS	22,175	22,175	22,175		22,175
	SUBTOTAL OPERATING FORCES	**2,797,361**	**2,827,361**	**2,797,361**	**14,000**	**2,811,361**
	ADMIN & SRVWD ACTIVITIES					
120	SERVICEWIDE TRANSPORTATION	11,832	11,832	11,832		11,832
130	ADMINISTRATION	18,218	18,218	18,218		18,218

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
140	SERVICEWIDE COMMUNICATIONS	25,069	25,069	25,069		25,069
150	MANPOWER MANAGEMENT	6,248	6,248	6,248		6,248
160	RECRUITING AND ADVERTISING	58,181	58,181	58,181		58,181
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**119,548**	**119,548**	**119,548**		**119,548**
	TOTAL OPERATION & MAINTENANCE, ARMY RES	**2,916,909**	**2,946,909**	**2,916,909**	**14,000**	**2,930,909**
	OPERATION & MAINTENANCE, ARNG					
	OPERATING FORCES					
010	MANEUVER UNITS	810,269	810,269	810,269	–20,000	790,269
	Unjustified growth				[–20,000]	
020	MODULAR SUPPORT BRIGADES	193,402	193,402	193,402		193,402
030	ECHELONS ABOVE BRIGADE	753,815	753,815	753,815		753,815
040	THEATER LEVEL ASSETS	84,124	84,124	84,124		84,124
050	LAND FORCES OPERATIONS SUPPORT	31,881	31,881	31,881		31,881
060	AVIATION ASSETS	973,874	973,874	973,874		973,874
070	FORCE READINESS OPERATIONS SUPPORT	784,086	784,086	784,086		784,086
080	LAND FORCES SYSTEMS READINESS	51,353	51,353	51,353		51,353
090	LAND FORCES DEPOT MAINTENANCE	221,633	221,633	221,633		221,633
100	BASE OPERATIONS SUPPORT	1,129,942	1,129,942	1,129,942	–15,000	1,114,942
	Program decrease unaccounted for				[–15,000]	
110	FACILITIES SUSTAINMENT	919,947	888,760	919,947	–31,187	888,760
	Realignment of FSRM funds to new RM and Demo lines		[–101,187]		[–101,187]	
	Sustainment recovery		[70,000]		[70,000]	
111	FACILITIES RESTORATION & MODERNIZATION		85,859		85,859	85,859
	Realignment of FSRM funds to new RM and Demo lines		[85,859]		[85,859]	
112	FACILITIES DEMOLITION		15,328		15,328	15,328

	Realignment of FSRM funds to new RM and Demo lines		[15,328]		[15,328]	
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,010,524	1,010,524	1,010,524		1,010,524
	SUBTOTAL OPERATING FORCES	**6,964,850**	**7,034,850**	**6,964,850**	**35,000**	**6,999,850**
	ADMIN & SRVWD ACTIVITIES					
130	SERVICEWIDE TRANSPORTATION	10,017	10,017	10,017		10,017
140	ADMINISTRATION	72,746	72,746	72,746		72,746
150	SERVICEWIDE COMMUNICATIONS	83,105	83,105	83,105		83,105
160	MANPOWER MANAGEMENT	10,678	10,678	10,678		10,678
170	OTHER PERSONNEL SUPPORT	254,753	254,753	254,753		254,753
180	REAL ESTATE MANAGEMENT	3,146	3,146	3,146		3,146
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**434,445**	**434,445**	**434,445**		**434,445**
	TOTAL OPERATION & MAINTENANCE, ARNG	**7,399,295**	**7,469,295**	**7,399,295**	**35,000**	**7,434,295**
	OPERATION & MAINTENANCE, NAVY					
	OPERATING FORCES					
010	MISSION AND OTHER FLIGHT OPERATIONS	5,372,399	5,372,399	5,372,399	–44,921	5,327,478
	Unjustified growth				[–44,921]	
020	FLEET AIR TRAINING	2,023,351	2,014,593	2,023,351	–2,000	2,021,351
	Advanced skills management		[–8,758]		[–2,000]	
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	56,225	56,225	56,225		56,225
040	AIR OPERATIONS AND SAFETY SUPPORT	156,081	156,081	156,081		156,081
050	AIR SYSTEMS SUPPORT	682,379	682,379	682,379	–5,939	676,440
	Unjustified growth				[–5,939]	
060	AIRCRAFT DEPOT MAINTENANCE	1,253,756	1,291,156	1,253,756	37,400	1,291,156
	Readiness restoration		[37,400]		[37,400]	
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	66,649	66,649	66,649		66,649
080	AVIATION LOGISTICS	939,368	945,768	939,368		939,368
	Readiness restoration		[6,400]			
090	MISSION AND OTHER SHIP OPERATIONS	4,439,566	4,439,566	4,439,566	–26,279	4,413,287
	Excess growth				[–26,279]	

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
100	SHIP OPERATIONS SUPPORT & TRAINING	997,663	997,663	997,663		997,663
110	SHIP DEPOT MAINTENANCE	8,751,526	8,900,126	8,751,526	148,600	8,900,126
	Readiness restoration		[116,600]		[116,600]	
	Western Pacific Dry Dock capability		[32,000]		[32,000]	
120	SHIP DEPOT OPERATIONS SUPPORT	2,168,876	2,168,876	2,168,876		2,168,876
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	1,349,593	1,349,593	1,351,293	–23,300	1,326,293
	Fiscal year 2018 decrease not properly accounted				[–25,000]	
	SOUTHCOM CCO Sensor Integration			[1,700]	[1,700]	
150	SPACE SYSTEMS AND SURVEILLANCE	215,255	215,255	215,255		215,255
160	WARFARE TACTICS	632,446	632,446	632,446	–15,000	617,446
	Unjustified growth				[–15,000]	
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	373,046	373,046	373,046		373,046
180	COMBAT SUPPORT FORCES	1,452,075	1,452,075	1,452,075		1,452,075
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	153,719	153,719	153,719		153,719
210	COMBATANT COMMANDERS CORE OPERATIONS	63,039	63,039	63,039		63,039
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	89,339	89,339	89,339		89,339
230	MILITARY INFORMATION SUPPORT OPERATIONS	8,475	8,475	8,475		8,475
240	CYBERSPACE ACTIVITIES	424,088	424,088	424,088		424,088
260	FLEET BALLISTIC MISSILE	1,361,947	1,361,947	1,361,947		1,361,947
280	WEAPONS MAINTENANCE	823,952	819,452	823,952		823,952
	Insufficient budget justification for submarine acoustic systems		[–4,500]			
290	OTHER WEAPON SYSTEMS SUPPORT	494,101	494,101	494,101		494,101
300	ENTERPRISE INFORMATION	921,936	921,936	876,936	–45,000	876,936
	General reduction			[–45,000]	[–45,000]	
310	FACILITIES SUSTAINMENT	2,040,389	1,712,222	2,446,389	–53,747	1,986,642
	85% Sustainment		[101,000]			
	Capability Output Level 3 Funding		[20,000]			

	FSRM to 100% max executable			[406,000]	[310,000]	
	Project oversight (Unjustified Growth)		[–85,420]			
	Realignment of FSRM funds to new RM and Demo lines		[–363,747]		[–363,747]	
311	FACILITIES RESTORATION & MODERNIZATION		243,745		243,745	243,745
	Realignment of FSRM funds to new RM and Demo lines		[243,745]		[243,745]	
312	FACILITIES DEMOLITION		160,002		160,002	160,002
	Program increase		[40,000]		[40,000]	
	Realignment of FSRM funds to new RM and Demo lines		[120,002]		[120,002]	
320	BASE OPERATING SUPPORT	4,414,753	4,414,753	4,414,753		4,414,753
	SUBTOTAL OPERATING FORCES	**41,725,992**	**41,980,714**	**42,088,692**	**373,561**	**42,099,553**
	MOBILIZATION					
330	SHIP PREPOSITIONING AND SURGE	549,142	400,545	549,142		549,142
	Realign DoD Mobilization Alternation to NDSF		[–20,858]			
	Realign LG Med Spd RO/RO Maintenance to NDSF		[–127,739]			
340	READY RESERVE FORCE	310,805		310,805		310,805
	Realign Ready Reserve Forces to NDSF		[–310,805]			
360	SHIP ACTIVATIONS/INACTIVATIONS	161,150	161,150	161,150		161,150
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS	120,338	47,988	120,338		120,338
	Realign T-AH Maintenance to NDSF		[–72,350]			
390	COAST GUARD SUPPORT	24,097	24,097	24,097		24,097
	SUBTOTAL MOBILIZATION	**1,165,532**	**633,780**	**1,165,532**		**1,165,532**
	TRAINING AND RECRUITING					
400	OFFICER ACQUISITION	145,481	145,481	145,481		145,481
410	RECRUIT TRAINING	9,637	9,637	9,637		9,637
420	RESERVE OFFICERS TRAINING CORPS	149,687	149,687	149,687		149,687
430	SPECIALIZED SKILL TRAINING	879,557	879,557	879,557	–86,000	793,557
	Ready, Relevant Learning funding ahead of need				[–86,000]	
450	PROFESSIONAL DEVELOPMENT EDUCATION	184,436	186,136	184,436	1,700	186,136
	Naval Sea Cadets		[1,700]		[1,700]	
460	TRAINING SUPPORT	223,159	223,159	223,159		223,159

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
470	RECRUITING AND ADVERTISING	181,086	181,086	181,086		181,086
480	OFF-DUTY AND VOLUNTARY EDUCATION	96,006	96,006	96,006		96,006
490	CIVILIAN EDUCATION AND TRAINING	72,083	72,083	72,083		72,083
500	JUNIOR ROTC	54,156	55,106	54,156	950	55,106
	Program increase		[950]		[950]	
	SUBTOTAL TRAINING AND RECRUITING	**1,995,288**	**1,997,938**	**1,995,288**	**–83,350**	**1,911,938**
	ADMIN & SRVWD ACTIVITIES					
510	ADMINISTRATION	1,089,964	1,083,964	1,089,964	–20,000	1,069,964
	Program decrease		[–6,000]		[–20,000]	
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	164,074	164,074	164,074		164,074
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	418,350	418,350	418,350		418,350
580	SERVICEWIDE TRANSPORTATION	167,106	167,106	167,106		167,106
600	PLANNING, ENGINEERING, AND PROGRAM SUPPORT	333,556	333,556	333,556		333,556
610	ACQUISITION, LOGISTICS, AND OVERSIGHT	663,690	663,690	663,690		663,690
650	INVESTIGATIVE AND SECURITY SERVICES	705,087	705,087	705,087		705,087
765	CLASSIFIED PROGRAMS	574,994	574,994	574,994	10,000	584,994
	Classified adjustment				[10,000]	
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**4,116,821**	**4,110,821**	**4,116,821**	**–10,000**	**4,106,821**
	UNDISTRIBUTED					
770	UNDISTRIBUTED		–398,100		–269,600	–269,600
	Foreign Currency adjustments		[–55,100]		[–35,900]	
	Historical unobligated balances		[–343,000]		[–233,700]	
	SUBTOTAL UNDISTRIBUTED		**–398,100**		**–269,600**	**–269,600**
	TOTAL OPERATION & MAINTENANCE, NAVY	**49,003,633**	**48,325,153**	**49,366,333**	**10,611**	**49,014,244**

	OPERATION & MAINTENANCE, MARINE CORPS					
	OPERATING FORCES					
010	OPERATIONAL FORCES	873,320	885,720	873,320	9,915	883,235
	Additional parts & spares to support intermediate & organizational maintenance		[8,200]		[8,200]	
	Additional training requirements		[4,200]		[4,200]	
	Unjustified growth				[–2,485]	
020	FIELD LOGISTICS	1,094,187	1,094,187	1,094,187		1,094,187
030	DEPOT MAINTENANCE	314,182	341,082	314,182	26,900	341,082
	Readiness restoration		[26,900]		[26,900]	
040	MARITIME PREPOSITIONING	98,136	98,136	98,136		98,136
050	CYBERSPACE ACTIVITIES	183,546	183,546	183,546		183,546
060	FACILITIES SUSTAINMENT	832,636	746,354	832,636	–96,282	736,354
	85% Sustainment		[42,400]		[42,400]	
	Capability Output Level 3 Funding		[10,000]			
	Realignment of FSRM funds to new RM and Demo lines		[–138,682]		[–138,682]	
061	FACILITIES RESTORATION & MODERNIZATION		61,469		61,469	61,469
	Realignment of FSRM funds to new RM and Demo lines		[61,469]		[61,469]	
062	FACILITIES DEMOLITION		107,213		107,213	107,213
	Program increase		[30,000]		[30,000]	
	Realignment of FSRM funds to new RM and Demo lines		[77,213]		[77,213]	
070	BASE OPERATING SUPPORT	2,151,390	2,151,390	2,151,390	–35,000	2,116,390
	Program decrease unaccounted for				[–35,000]	
	SUBTOTAL OPERATING FORCES	**5,547,397**	**5,669,097**	**5,547,397**	**74,215**	**5,621,612**
	TRAINING AND RECRUITING					
080	RECRUIT TRAINING	16,453	16,453	16,453		16,453
090	OFFICER ACQUISITION	1,144	1,144	1,144		1,144
100	SPECIALIZED SKILL TRAINING	106,360	106,360	106,360		106,360
110	PROFESSIONAL DEVELOPMENT EDUCATION	46,096	46,096	46,096		46,096
120	TRAINING SUPPORT	389,751	389,751	389,751		389,751

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Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
130	RECRUITING AND ADVERTISING	201,662	201,662	201,662		201,662
140	OFF-DUTY AND VOLUNTARY EDUCATION	32,461	32,461	32,461		32,461
150	JUNIOR ROTC	24,217	24,607	24,217	390	24,607
	Program increase		[390]		[390]	
	SUBTOTAL TRAINING AND RECRUITING	**818,144**	**818,534**	**818,144**	**390**	**818,534**
	ADMIN & SRVWD ACTIVITIES					
160	SERVICEWIDE TRANSPORTATION	29,735	29,735	29,735		29,735
170	ADMINISTRATION	386,375	386,375	386,375	–10,000	376,375
	Fiscal year 2018 decrease not properly accounted				[–10,000]	
225	CLASSIFIED PROGRAMS	50,859	50,859	50,859		50,859
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**466,969**	**466,969**	**466,969**	**–10,000**	**456,969**
	UNDISTRIBUTED					
230	UNDISTRIBUTED		–43,600		–29,400	–29,400
	Foreign Currency adjustments		[–13,600]		[–8,900]	
	Historical unobligated balances		[–30,000]		[–20,500]	
	SUBTOTAL UNDISTRIBUTED		**–43,600**		**–29,400**	**–29,400**
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	**6,832,510**	**6,911,000**	**6,832,510**	**35,205**	**6,867,715**
	OPERATION & MAINTENANCE, NAVY RES					
	OPERATING FORCES					
010	MISSION AND OTHER FLIGHT OPERATIONS	569,584	569,584	569,584		569,584
020	INTERMEDIATE MAINTENANCE	6,902	6,902	6,902		6,902
030	AIRCRAFT DEPOT MAINTENANCE	109,776	109,776	109,776		109,776
040	AIRCRAFT DEPOT OPERATIONS SUPPORT	538	538	538		538

050	AVIATION LOGISTICS	18,888	18,888	18,888		18,888
060	SHIP OPERATIONS SUPPORT & TRAINING	574	574	574		574
070	COMBAT COMMUNICATIONS	17,561	17,561	17,561		17,561
080	COMBAT SUPPORT FORCES	121,070	121,070	121,070	–2,040	119,030
	Insufficient budget justification				[–2,040]	
090	CYBERSPACE ACTIVITIES	337	337	337		337
100	ENTERPRISE INFORMATION	23,964	23,964	23,964		23,964
110	FACILITIES SUSTAINMENT	36,356	41,151	36,356	4,795	41,151
	Realignment of FSRM funds to new RM and Demo lines		[–5,205]		[–5,205]	
	Sustainment recovery		[10,000]		[10,000]	
111	FACILITIES RESTORATION & MODERNIZATION		3,205		3,205	3,205
	Realignment of FSRM funds to new RM and Demo lines		[3,205]		[3,205]	
112	FACILITIES DEMOLITION		2,000		2,000	2,000
	Realignment of FSRM funds to new RM and Demo lines		[2,000]		[2,000]	
120	BASE OPERATING SUPPORT	103,562	103,562	103,562		103,562
	SUBTOTAL OPERATING FORCES	**1,009,112**	**1,019,112**	**1,009,112**	**7,960**	**1,017,072**
	ADMIN & SRVWD ACTIVITIES					
130	ADMINISTRATION	1,868	1,868	1,868		1,868
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	12,849	12,849	12,849		12,849
160	ACQUISITION AND PROGRAM MANAGEMENT	3,177	3,177	3,177		3,177
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**17,894**	**17,894**	**17,894**		**17,894**
	TOTAL OPERATION & MAINTENANCE, NAVY RES	**1,027,006**	**1,037,006**	**1,027,006**	**7,960**	**1,034,966**
	OPERATION & MAINTENANCE, MC RESERVE					
	OPERATING FORCES					
010	OPERATING FORCES	99,173	107,873	99,173	2,000	101,173
	Additional training requirements		[8,700]		[2,000]	
020	DEPOT MAINTENANCE	19,430	19,430	19,430		19,430
030	FACILITIES SUSTAINMENT	39,962	25,666	39,962	–14,296	25,666
	Realignment of FSRM funds to new RM and Demo lines		[–22,296]		[–22,296]	

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(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	Sustainment recovery		[8,000]		[8,000]	
031	FACILITIES RESTORATION & MODERNIZATION		22,296		22,296	22,296
	Realignment of FSRM funds to new RM and Demo lines		[22,296]		[22,296]	
040	BASE OPERATING SUPPORT	101,829	101,829	101,829		101,829
	SUBTOTAL OPERATING FORCES	**260,394**	**277,094**	**260,394**	**10,000**	**270,394**
	ADMIN & SRVWD ACTIVITIES					
050	ADMINISTRATION	11,176	11,176	11,176		11,176
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**11,176**	**11,176**	**11,176**		**11,176**
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	**271,570**	**288,270**	**271,570**	**10,000**	**281,570**
	OPERATION & MAINTENANCE, AIR FORCE					
	OPERATING FORCES					
010	PRIMARY COMBAT FORCES	758,178	758,178	783,178	25,000	783,178
	Increase for F–35 sustainment to accelerate depot component repair capability			[25,000]	[25,000]	
020	COMBAT ENHANCEMENT FORCES	1,509,027	1,509,027	1,509,027	–282,000	1,227,027
	Programming error—BACN				[–282,000]	
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	1,323,330	1,323,330	1,323,330		1,323,330
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	3,511,830	3,596,330	3,511,830	71,340	3,583,170
	Fiscal year 2018 decrease not properly accounted				[–13,160]	
	Readiness restoration		[46,500]		[46,500]	
	Restoration of U–2 Tail #80–1099		[38,000]		[38,000]	
050	FACILITIES SUSTAINMENT	2,892,705	2,621,824	2,892,705	–293,881	2,598,824
	85% Sustainment		[152,000]		[152,000]	
	Capability Output Level 3 Funding		[23,000]			
	Realignment of FSRM funds to new RM and Demo lines		[–445,881]		[–445,881]	

051	FACILITIES RESTORATION & MODERNIZATION		420,861		420,861	420,861
	Realignment of FSRM funds to new RM and Demo lines		[420,861]		[420,861]	
052	FACILITIES DEMOLITION		67,020	25,000	67,020	67,020
	Program increase		[42,000]	[25,000]	[42,000]	
	Realignment of FSRM funds to new RM and Demo lines		[25,020]		[25,020]	
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	7,613,084	7,687,884	8,258,984	380,700	7,993,784
	Increase for JSTARS buy-back			[95,900]	[95,900]	
	Readiness restoration		[74,800]		[74,800]	
	Unjustified growth				[–90,000]	
	WSS to 100% executable			[550,000]	[300,000]	
070	FLYING HOUR PROGRAM	4,345,208	4,345,208	4,395,208	–102,409	4,242,799
	Increase for JSTARS buy-back			[50,000]	[50,000]	
	Unjustified growth				[–152,409]	
080	BASE SUPPORT	5,989,215	5,989,215	5,989,215		5,989,215
090	GLOBAL C3I AND EARLY WARNING	928,023	928,023	928,023		928,023
100	OTHER COMBAT OPS SPT PROGRAMS	1,080,956	1,080,956	1,080,956		1,080,956
110	CYBERSPACE ACTIVITIES	879,032	879,032	879,032	–66,000	813,032
	Air Force requested transfer to SAG 42B				[–66,000]	
130	LAUNCH FACILITIES	183,777	183,777	183,777		183,777
140	SPACE CONTROL SYSTEMS	404,072	404,072	404,072		404,072
170	US NORTHCOM/NORAD	187,375	187,375	187,375		187,375
180	US STRATCOM	529,902	529,902	529,902		529,902
190	US CYBERCOM	329,474	329,474	329,474		329,474
200	US CENTCOM	166,024	166,024	166,024		166,024
210	US SOCOM	723	723	723		723
220	US TRANSCOM	535	535	535		535
225	CLASSIFIED PROGRAMS	1,164,810	1,164,810	1,164,810		1,164,810
	SUBTOTAL OPERATING FORCES	**33,797,280**	**34,173,580**	**34,543,180**	**220,631**	**34,017,911**
	MOBILIZATION					
230	AIRLIFT OPERATIONS	1,307,695	1,307,695	1,307,695	–65,000	1,242,695
	Fiscal year 2018 decrease not properly accounted				[–65,000]	

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Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
240	MOBILIZATION PREPAREDNESS	144,417	144,417	144,417		144,417
	SUBTOTAL MOBILIZATION	**1,452,112**	**1,452,112**	**1,452,112**	**–65,000**	**1,387,112**
	TRAINING AND RECRUITING					
280	OFFICER ACQUISITION	133,187	133,187	133,187		133,187
290	RECRUIT TRAINING	25,041	25,041	25,041		25,041
300	RESERVE OFFICERS TRAINING CORPS (ROTC)	117,338	117,338	117,338		117,338
330	SPECIALIZED SKILL TRAINING	401,996	401,996	401,996		401,996
340	FLIGHT TRAINING	477,064	477,064	477,064		477,064
350	PROFESSIONAL DEVELOPMENT EDUCATION	276,423	276,423	276,423		276,423
360	TRAINING SUPPORT	95,948	95,948	95,948		95,948
380	RECRUITING AND ADVERTISING	154,530	154,530	154,530		154,530
390	EXAMINING	4,132	4,132	4,132		4,132
400	OFF-DUTY AND VOLUNTARY EDUCATION	223,150	223,150	223,150		223,150
410	CIVILIAN EDUCATION AND TRAINING	209,497	209,497	209,497		209,497
420	JUNIOR ROTC	59,908	60,908	59,908	1,000	60,908
	Program increase		[1,000]		[1,000]	
	SUBTOTAL TRAINING AND RECRUITING	**2,178,214**	**2,179,214**	**2,178,214**	**1,000**	**2,179,214**
	ADMIN & SRVWD ACTIVITIES					
430	LOGISTICS OPERATIONS	681,788	681,788	681,788		681,788
440	TECHNICAL SUPPORT ACTIVITIES	117,812	117,812	117,812		117,812
480	ADMINISTRATION	953,102	953,102	953,102	–20,000	933,102
	Unjustified growth				[–20,000]	
490	SERVICEWIDE COMMUNICATIONS	358,389	358,389	358,389	66,000	424,389
	Air Force requested transfer from SAG 12D				[66,000]	
500	OTHER SERVICEWIDE ACTIVITIES	1,194,862	1,194,862	1,194,862		1,194,862

510	CIVIL AIR PATROL	29,594	29,594	29,594		29,594
540	INTERNATIONAL SUPPORT	74,959	74,959	74,959		74,959
545	CLASSIFIED PROGRAMS	1,222,456	1,222,456	1,222,456		1,222,456
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**4,632,962**	**4,632,962**	**4,632,962**	**46,000**	**4,678,962**
	UNDISTRIBUTED					
550	UNDISTRIBUTED		–455,200	156,800	–164,600	–164,600
	Foreign Currency adjustments		[–104,500]		[–68,000]	
	Historical unobligated balances		[–350,700]		[–239,000]	
	Procurement of 7 DABs for PACOM			[156,800]	[142,400]	
	SUBTOTAL UNDISTRIBUTED		**–455,200**	**156,800**	**–164,600**	**–164,600**
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	**42,060,568**	**41,982,668**	**42,963,268**	**38,031**	**42,098,599**
	OPERATION & MAINTENANCE, AF RESERVE					
	OPERATING FORCES					
010	PRIMARY COMBAT FORCES	1,853,437	1,853,437	1,853,437	–15,000	1,838,437
	Unjustified growth				[–15,000]	
020	MISSION SUPPORT OPERATIONS	205,369	205,369	205,369		205,369
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	345,576	347,476	345,576	1,900	347,476
	Readiness restoration		[1,900]		[1,900]	
040	FACILITIES SUSTAINMENT	120,736	123,103	123,536	–8,833	111,903
	Additional demo			[2,800]	[2,800]	
	Realignment of FSRM funds to new RM and Demo lines		[–27,633]		[–27,633]	
	Sustainment recovery		[30,000]		[16,000]	
041	FACILITIES RESTORATION & MODERNIZATION		27,633		27,633	27,633
	Realignment of FSRM funds to new RM and Demo lines		[27,633]		[27,633]	
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	241,239	259,939	293,239	52,000	293,239
	Readiness restoration		[18,700]	[52,000]	[52,000]	
060	BASE SUPPORT	385,922	385,922	385,922		385,922
	SUBTOTAL OPERATING FORCES	**3,152,279**	**3,202,879**	**3,207,079**	**57,700**	**3,209,979**

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES					
070	ADMINISTRATION	71,188	71,188	71,188		71,188
080	RECRUITING AND ADVERTISING	19,429	19,429	19,429		19,429
090	MILITARY MANPOWER AND PERS MGMT (ARPC)	9,386	9,386	9,386		9,386
100	OTHER PERS SUPPORT (DISABILITY COMP)	7,512	7,512	7,512		7,512
110	AUDIOVISUAL	440	440	440		440
	SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES	**107,955**	**107,955**	**107,955**		**107,955**
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	**3,260,234**	**3,310,834**	**3,315,034**	**57,700**	**3,317,934**
	OPERATION & MAINTENANCE, ANG					
	OPERATING FORCES					
010	AIRCRAFT OPERATIONS	2,619,940	2,619,940	2,621,540	–38,400	2,581,540
	Restoring O&M associated with buyback of 3 PMAI JSTARS aircraft			[1,600]	[1,600]	
	Unjustified program growth				[–40,000]	
020	MISSION SUPPORT OPERATIONS	623,265	623,265	623,265		623,265
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	748,287	748,287	748,287		748,287
040	FACILITIES SUSTAINMENT	303,792	289,700	303,792	–14,092	289,700
	Realignment of FSRM funds to new RM and Demo lines		[–34,092]		[–34,092]	
	Sustainment recovery		[20,000]		[20,000]	
041	FACILITIES RESTORATION & MODERNIZATION		31,696		31,696	31,696
	Realignment of FSRM funds to new RM and Demo lines		[31,696]		[31,696]	
042	FACILITIES DEMOLITION		2,396		2,396	2,396
	Realignment of FSRM funds to new RM and Demo lines		[2,396]		[2,396]	
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,061,759	1,064,759	1,061,759	3,000	1,064,759
	Readiness restoration		[3,000]		[3,000]	
060	BASE SUPPORT	988,333	989,233	999,333	11,900	1,000,233

	PFAS Transfer			[11,000]	[11,000]	
	Readiness restoration		[900]		[900]	
	SUBTOTAL OPERATING FORCES	**6,345,376**	**6,369,276**	**6,357,976**	**–3,500**	**6,341,876**
	ADMINISTRATION AND SERVICE-WIDE ACTIVITIES					
070	ADMINISTRATION	45,711	45,711	45,711		45,711
080	RECRUITING AND ADVERTISING	36,535	36,535	36,535		36,535
	SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES	**82,246**	**82,246**	**82,246**		**82,246**
	TOTAL OPERATION & MAINTENANCE, ANG	**6,427,622**	**6,451,522**	**6,440,222**	**–3,500**	**6,424,122**
	OPERATION AND MAINTENANCE, DEFENSE-WIDE					
	OPERATING FORCES					
010	JOINT CHIEFS OF STAFF	430,215	430,215	432,715	2,500	432,715
	Operational logistics exercise elements			[2,500]	[2,500]	
020	JOINT CHIEFS OF STAFF—CE2T2	602,186	602,186	602,186		602,186
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES	5,389,250	5,215,250	5,389,250	–77,050	5,312,200
	Civilian pay ahead of need		[–10,700]		[–10,700]	
	Communications		[–20,000]			
	DCGS-SOF		[–10,000]			
	MC–12 ahead of need		[–33,300]			
	Program decrease		[–100,000]		[–66,350]	
	SUBTOTAL OPERATING FORCES	**6,421,651**	**6,247,651**	**6,424,151**	**–74,550**	**6,347,101**
	TRAINING AND RECRUITING					
050	DEFENSE ACQUISITION UNIVERSITY	181,601	172,501	181,601		181,601
	Efficiencies within the 4th estate		[–9,100]			
060	JOINT CHIEFS OF STAFF	96,565	96,565	96,565		96,565
070	SPECIAL OPERATIONS COMMAND/TRAINING AND RECRUITING	370,583	370,583	370,583		370,583
	SUBTOTAL TRAINING AND RECRUITING	**648,749**	**639,649**	**648,749**		**648,749**
	ADMIN & SRVWIDE ACTIVITIES					

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
080	CIVIL MILITARY PROGRAMS	166,131	186,131	166,131	15,000	181,131
	STARBASE		[20,000]		[15,000]	
100	DEFENSE CONTRACT AUDIT AGENCY	625,633	594,333	625,633		625,633
	Efficiencies within the 4th estate		[–31,300]			
110	DEFENSE CONTRACT MANAGEMENT AGENCY	1,465,354	1,392,054	1,465,354		1,465,354
	Efficiencies within the 4th estate		[–73,300]			
120	DEFENSE HUMAN RESOURCES ACTIVITY	859,923	816,923	859,923		859,923
	Efficiencies within the 4th estate		[–43,000]			
130	DEFENSE INFORMATION SYSTEMS AGENCY	2,106,930	2,001,630	2,106,930	–1,935	2,104,995
	Efficiencies within the 4th estate		[–105,300]			
	Excess growth				[–1,935]	
150	DEFENSE LEGAL SERVICES AGENCY	27,403	26,003	27,403		27,403
	Efficiencies within the 4th estate		[–1,400]			
160	DEFENSE LOGISTICS AGENCY	379,275	385,750	379,275	8,500	387,775
	Efficiencies within the 4th estate		[–19,000]			
	Procurement Technical Assistance Program (PTAP)		[25,475]		[8,500]	
170	DEFENSE MEDIA ACTIVITY	207,537	197,137	207,537		207,537
	Efficiencies within the 4th estate		[–10,400]			
180	DEFENSE PERSONNEL ACCOUNTING AGENCY	130,696	130,696	130,696		130,696
190	DEFENSE SECURITY COOPERATION AGENCY	754,711	760,711	754,711	–67,967	686,744
	Increase for Assessment, Monitoring, and Evaluation of Security Cooperation Activities		[6,000]			
	Program reduction—maintain level of effort				[–67,967]	
200	DEFENSE SECURITY SERVICE	789,175	789,175	852,775	–10,000	779,175
	Additional civilian FTE			[18,600]		
	New mission needs			[45,000]		
	Program excess growth				[–10,000]	

220	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION	34,951	33,251	34,951		34,951
	Efficiencies within the 4th estate		[–1,700]			
230	DEFENSE THREAT REDUCTION AGENCY	553,329	553,329	553,329		553,329
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	2,892,284	2,942,284	2,942,284	50,000	2,942,284
	Impact Aid for Children with Severe Disabilities		[10,000]	[10,000]	[10,000]	
	Impact aid for schools with military dependent students		[40,000]	[40,000]	[40,000]	
260	MISSILE DEFENSE AGENCY	499,817	499,817	499,817		499,817
280	OFFICE OF ECONOMIC ADJUSTMENT	70,035	166,535	70,035		70,035
	Defense Community Infrastructure Program		[100,000]			
	Efficiencies within the 4th estate		[–3,500]			
290	OFFICE OF THE SECRETARY OF DEFENSE	1,519,655	1,530,655	1,565,655	68,000	1,587,655
	Commission on Aircraft Safety				[5,000]	
	Cyber Commission				[4,000]	
	CDC PFOS/PFOA Health Study Increment		[7,000]	[10,000]	[10,000]	
	Clearinghouse			[1,000]	[1,000]	
	Contract support for ACCM oversight as directed by Sec. 1062 of FY17 NDAA		[5,000]			
	Defense Environmental International Cooperations (DEIC)			[1,000]	[1,000]	
	Defense Fellows Program			[10,000]	[10,000]	
	DOD emerging contaminants			[1,000]	[1,000]	
	DOD environmental resilience			[1,000]	[1,000]	
	DOD Rewards Program Cut			[–3,000]		
	DW Vietnam dioxin remediation				[15,000]	
	Efficiencies within the 4th estate		[–76,000]			
	Establish Artificial Intelligence commission		[10,000]		[10,000]	
	Funds to support the Global Engagement Center		[60,000]			
	Initial capital for Department of Defense World War II Commemoration Fund		[2,000]			
	Readiness and Environmental Protection Initiative Increase			[25,000]	[10,000]	
	Training of qualified personnel to join the staff of the Boards of Corrections for Military and Naval Records		[3,000]			
300	SPECIAL OPERATIONS COMMAND/ADMIN & SVC-WIDE ACTIVITIES	97,787	97,787	97,787		97,787
310	WASHINGTON HEADQUARTERS SERVICES	456,407	387,907	456,407		456,407
	Efficiencies within the 4th estate		[–68,500]			

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
315	CLASSIFIED PROGRAMS	15,645,192	15,645,192	15,645,192		15,645,192
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	**29,282,225**	**29,137,300**	**29,441,825**	**61,598**	**29,343,823**
	UNDISTRIBUTED					
320	UNDISTRIBUTED		–411,300		–279,800	–279,800
	Electronic physical access control systems		[500]			
	Foreign Currency adjustments		[–26,400]		[–17,200]	
	Historical unobligated balances		[–385,400]		[–262,600]	
	Research on women's contributions to security		[150]			
	Undistributed reduction		[–150]			
	SUBTOTAL UNDISTRIBUTED		**–411,300**		**–279,800**	**–279,800**
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	**36,352,625**	**35,613,300**	**36,514,725**	**–292,752**	**36,059,873**
	US COURT OF APPEALS FOR ARMED FORCES, DEF					
	ADMINISTRATION AND ASSOCIATED ACTIVITIES					
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE	14,662	14,662	14,662		14,662
	SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES	**14,662**	**14,662**	**14,662**		**14,662**
	TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF	**14,662**	**14,662**	**14,662**		**14,662**
	DOD ACQUISITION WORKFORCE DEVELOPMENT FUND					
	ACQUISITION WORKFORCE DEVELOPMENT					
010	ACQ WORKFORCE DEV FD	400,000	400,000	400,000		400,000
	SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT	**400,000**	**400,000**	**400,000**		**400,000**
	TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND	**400,000**	**400,000**	**400,000**		**400,000**

	OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID					
	HUMANITARIAN ASSISTANCE					
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID	107,663	107,663	107,663		107,663
	SUBTOTAL HUMANITARIAN ASSISTANCE	**107,663**	**107,663**	**107,663**		**107,663**
	TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID	**107,663**	**107,663**	**107,663**		**107,663**
	COOPERATIVE THREAT REDUCTION ACCOUNT					
	FSU THREAT REDUCTION					
010	FORMER SOVIET UNION (FSU) THREAT REDUCTION	335,240	335,240	335,240		335,240
	SUBTOTAL FSU THREAT REDUCTION	**335,240**	**335,240**	**335,240**		**335,240**
	TOTAL COOPERATIVE THREAT REDUCTION ACCOUNT	**335,240**	**335,240**	**335,240**		**335,240**
	ENVIRONMENTAL RESTORATION, ARMY					
	DEPARTMENT OF THE ARMY					
060	ENVIRONMENTAL RESTORATION, ARMY	203,449	213,449	203,449	10,000	213,449
	PFOS/PFOA remediation increase		[10,000]		[10,000]	
	SUBTOTAL DEPARTMENT OF THE ARMY	**203,449**	**213,449**	**203,449**	**10,000**	**213,449**
	TOTAL ENVIRONMENTAL RESTORATION, ARMY	**203,449**	**213,449**	**203,449**	**10,000**	**213,449**
	ENVIRONMENTAL RESTORATION, NAVY					
	DEPARTMENT OF THE NAVY					
080	ENVIRONMENTAL RESTORATION, NAVY	329,253	339,253	329,253	10,000	339,253
	PFOS/PFOA remediation increase		[10,000]		[10,000]	
	SUBTOTAL DEPARTMENT OF THE NAVY	**329,253**	**339,253**	**329,253**	**10,000**	**339,253**
	TOTAL ENVIRONMENTAL RESTORATION, NAVY	**329,253**	**339,253**	**329,253**	**10,000**	**339,253**
	ENVIRONMENTAL RESTORATION, AIR FORCE					

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	DEPARTMENT OF THE AIR FORCE					
100	ENVIRONMENTAL RESTORATION, AIR FORCE	296,808	346,808	285,808	39,000	335,808
	PFOS/PFOA remediation increase		[50,000]		[50,000]	
	PFOS/PFOA remediation to ANG			[–11,000]	[–11,000]	
	SUBTOTAL DEPARTMENT OF THE AIR FORCE	**296,808**	**346,808**	**285,808**	**39,000**	**335,808**
	TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE	**296,808**	**346,808**	**285,808**	**39,000**	**335,808**
	ENVIRONMENTAL RESTORATION, DEFENSE					
	DEFENSE-WIDE					
120	ENVIRONMENTAL RESTORATION, DEFENSE	8,926	8,926	8,926		8,926
	SUBTOTAL DEFENSE-WIDE	**8,926**	**8,926**	**8,926**		**8,926**
	TOTAL ENVIRONMENTAL RESTORATION, DEFENSE	**8,926**	**8,926**	**8,926**		**8,926**
	ENVIRONMENTAL RESTORATION FORMERLY USED SITES					
	DEFENSE-WIDE					
140	ENVIRONMENTAL RESTORATION FORMERLY USED SITES	212,346	212,346	212,346		212,346
	SUBTOTAL DEFENSE-WIDE	**212,346**	**212,346**	**212,346**		**212,346**
	TOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES	**212,346**	**212,346**	**212,346**		**212,346**
	UNDISTRIBUTED					
	UNDISTRIBUTED					
010	UNDISTRIBUTED			–226,520		
	Foreign Currency Fluctuation			[–267,000]		
	JROTC			[5,480]		

Operation and Maintenance, Air Force DSMOA			[10,000]		
Operation and Maintenance, Air National Guard DSMOA			[15,000]		
Operation and Maintenance, Navy DSMOA			[10,000]		
SUBTOTAL UNDISTRIBUTED			**–226,520**		
TOTAL UNDISTRIBUTED			**–226,520**		
TOTAL OPERATION & MAINTENANCE	**199,469,636**	**195,551,373**	**200,351,316**	**–959,968**	**198,509,668**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	OPERATION & MAINTENANCE, ARMY					
	OPERATING FORCES					
010	MANEUVER UNITS	1,179,339	1,634,039	1,179,339	285,400	1,464,739
	Realign OCO requirements from Base to OCO		[454,700]		[285,400]	
030	ECHELONS ABOVE BRIGADE	25,983	177,553	25,983		25,983
	Realign OCO requirements from Base to OCO		[151,570]			
040	THEATER LEVEL ASSETS	2,189,916	2,432,416	2,189,916		2,189,916
	Realign OCO requirements from Base to OCO		[242,500]			
050	LAND FORCES OPERATIONS SUPPORT	188,609	188,609	188,609		188,609
060	AVIATION ASSETS	120,787	120,787	120,787		120,787
070	FORCE READINESS OPERATIONS SUPPORT	3,867,286	4,473,546	3,867,286		3,867,286
	Realign OCO requirements from Base to OCO		[606,260]			
080	LAND FORCES SYSTEMS READINESS	550,068	550,068	550,068		550,068
090	LAND FORCES DEPOT MAINTENANCE	195,873	468,693	195,873	171,300	367,173
	Realign OCO requirements from Base to OCO		[272,820]		[171,300]	
100	BASE OPERATIONS SUPPORT	109,560	715,820	109,560		109,560
	Realign OCO requirements from Base to OCO		[606,260]			

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
110	FACILITIES SUSTAINMENT	60,807	60,807	60,807		60,807
140	ADDITIONAL ACTIVITIES	5,992,222	5,992,222	5,992,222		5,992,222
150	COMMANDERS EMERGENCY RESPONSE PROGRAM	10,000	10,000	10,000		10,000
160	RESET	1,036,454	1,036,454	1,036,454		1,036,454
180	US AFRICA COMMAND	248,796	263,796	248,796		248,796
	Contract personnel recovery/casualty evacuation in AFRICOM		[15,000]			
190	US EUROPEAN COMMAND	98,127	98,127	98,127		98,127
200	US SOUTHERN COMMAND	2,550	2,550	2,550		2,550
	SUBTOTAL OPERATING FORCES	**15,876,377**	**18,225,487**	**15,876,377**	**456,700**	**16,333,077**
	MOBILIZATION					
230	ARMY PREPOSITIONED STOCKS	158,753		158,753		158,753
	Realignment of EDI APS Unit Set from OCO to Base		[–158,753]			
	SUBTOTAL MOBILIZATION	**158,753**		**158,753**		**158,753**
	ADMIN & SRVWIDE ACTIVITIES					
390	SERVICEWIDE TRANSPORTATION	712,230	863,830	712,230		712,230
	Realign OCO requirements from Base to OCO		[151,600]			
400	CENTRAL SUPPLY ACTIVITIES	44,168	44,168	44,168		44,168
410	LOGISTIC SUPPORT ACTIVITIES	5,300	5,300	5,300		5,300
420	AMMUNITION MANAGEMENT	38,597	38,597	38,597		38,597
460	OTHER PERSONNEL SUPPORT	109,019	109,019	109,019		109,019
490	REAL ESTATE MANAGEMENT	191,786	191,786	191,786		191,786
565	CLASSIFIED PROGRAMS	1,074,270	1,074,270	1,074,270		1,074,270
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	**2,175,370**	**2,326,970**	**2,175,370**		**2,175,370**
	UNDISTRIBUTED					

570	UNDISTRIBUTED		–27,900			
	Historical unobligated balances		[–27,900]			
	SUBTOTAL UNDISTRIBUTED		**–27,900**			
	TOTAL OPERATION & MAINTENANCE, ARMY	**18,210,500**	**20,524,557**	**18,210,500**	**456,700**	**18,667,200**
	OPERATION & MAINTENANCE, ARMY RES					
	OPERATING FORCES					
020	ECHELONS ABOVE BRIGADE	20,700	20,700	20,700		20,700
060	FORCE READINESS OPERATIONS SUPPORT	700	700	700		700
090	BASE OPERATIONS SUPPORT	20,487	20,487	20,487		20,487
	SUBTOTAL OPERATING FORCES	**41,887**	**41,887**	**41,887**		**41,887**
	TOTAL OPERATION & MAINTENANCE, ARMY RES	**41,887**	**41,887**	**41,887**		**41,887**
	OPERATION & MAINTENANCE, ARNG					
	OPERATING FORCES					
010	MANEUVER UNITS	42,519	42,519	42,519		42,519
020	MODULAR SUPPORT BRIGADES	778	778	778		778
030	ECHELONS ABOVE BRIGADE	12,093	12,093	12,093		12,093
040	THEATER LEVEL ASSETS	708	708	708		708
060	AVIATION ASSETS	28,135	28,135	28,135		28,135
070	FORCE READINESS OPERATIONS SUPPORT	5,908	5,908	5,908		5,908
100	BASE OPERATIONS SUPPORT	18,877	18,877	18,877		18,877
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	956	956	956		956
	SUBTOTAL OPERATING FORCES	**109,974**	**109,974**	**109,974**		**109,974**
	ADMIN & SRVWD ACTIVITIES					
150	SERVICEWIDE COMMUNICATIONS	755	755	755		755
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**755**	**755**	**755**		**755**
	TOTAL OPERATION & MAINTENANCE, ARNG	**110,729**	**110,729**	**110,729**		**110,729**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	AFGHAN NATIONAL ARMY					
090	SUSTAINMENT	1,522,777	1,522,777	1,522,777		1,522,777
100	INFRASTRUCTURE	137,732	137,732	137,732		137,732
110	EQUIPMENT AND TRANSPORTATION	71,922	71,922	71,922		71,922
120	TRAINING AND OPERATIONS	175,846	175,846	175,846		175,846
	SUBTOTAL AFGHAN NATIONAL ARMY	**1,908,277**	**1,908,277**	**1,908,277**		**1,908,277**
	AFGHAN NATIONAL POLICE					
130	SUSTAINMENT	527,554	527,554	527,554		527,554
140	INFRASTRUCTURE	42,984	42,984	42,984		42,984
150	EQUIPMENT AND TRANSPORTATION	14,554	14,554	14,554		14,554
160	TRAINING AND OPERATIONS	181,922	181,922	181,922		181,922
	SUBTOTAL AFGHAN NATIONAL POLICE	**767,014**	**767,014**	**767,014**		**767,014**
	AFGHAN AIR FORCE					
170	SUSTAINMENT	942,279	942,279	942,279		942,279
180	INFRASTRUCTURE	30,350	30,350	30,350		30,350
190	EQUIPMENT AND TRANSPORTATION	572,310	572,310	572,310		572,310
200	TRAINING AND OPERATIONS	277,191	277,191	277,191		277,191
	SUBTOTAL AFGHAN AIR FORCE	**1,822,130**	**1,822,130**	**1,822,130**		**1,822,130**
	AFGHAN SPECIAL SECURITY FORCES					
210	SUSTAINMENT	353,734	353,734	353,734		353,734
220	INFRASTRUCTURE	43,132	43,132	43,132		43,132
230	EQUIPMENT AND TRANSPORTATION	151,790	151,790	151,790		151,790
240	TRAINING AND OPERATIONS	153,373	153,373	153,373		153,373

	SUBTOTAL AFGHAN SPECIAL SECURITY FORCES	**702,029**	**702,029**	**702,029**	**702,029**
	TOTAL AFGHANISTAN SECURITY FORCES FUND	**5,199,450**	**5,199,450**	**5,199,450**	**5,199,450**
	COUNTER-ISIS TRAIN AND EQUIP FUND				
	COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)				
010	IRAQ	850,000	850,000	850,000	850,000
020	SYRIA	300,000	300,000	300,000	300,000
030	OTHER	250,000	250,000	250,000	250,000
	SUBTOTAL COUNTER-ISIS TRAIN AND EQUIP FUND (CTEF)	**1,400,000**	**1,400,000**	**1,400,000**	**1,400,000**
	TOTAL COUNTER-ISIS TRAIN AND EQUIP FUND	**1,400,000**	**1,400,000**	**1,400,000**	**1,400,000**
	OPERATION & MAINTENANCE, NAVY				
	OPERATING FORCES				
010	MISSION AND OTHER FLIGHT OPERATIONS	435,507	435,507	435,507	435,507
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	800	800	800	800
040	AIR OPERATIONS AND SAFETY SUPPORT	9,394	9,394	9,394	9,394
050	AIR SYSTEMS SUPPORT	193,384	193,384	193,384	193,384
060	AIRCRAFT DEPOT MAINTENANCE	173,053	173,053	173,053	173,053
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	3,524	3,524	3,524	3,524
080	AVIATION LOGISTICS	60,219	60,219	60,219	60,219
090	MISSION AND OTHER SHIP OPERATIONS	942,960	942,960	942,960	942,960
100	SHIP OPERATIONS SUPPORT & TRAINING	20,236	20,236	20,236	20,236
110	SHIP DEPOT MAINTENANCE	1,022,647	1,022,647	1,022,647	1,022,647
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	59,553	59,553	59,553	59,553
160	WARFARE TACTICS	16,651	16,651	16,651	16,651
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	31,118	31,118	31,118	31,118
180	COMBAT SUPPORT FORCES	635,560	635,560	635,560	635,560
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	4,334	4,334	4,334	4,334
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	24,800	24,800	24,800	24,800
240	CYBERSPACE ACTIVITIES	355	355	355	355

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
280	WEAPONS MAINTENANCE	493,033	493,033	493,033		493,033
290	OTHER WEAPON SYSTEMS SUPPORT	12,780	12,780	12,780		12,780
310	FACILITIES SUSTAINMENT	67,321	67,321	67,321		67,321
320	BASE OPERATING SUPPORT	211,394	211,394	211,394		211,394
	SUBTOTAL OPERATING FORCES	**4,418,623**	**4,418,623**	**4,418,623**		**4,418,623**
	MOBILIZATION					
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS	12,902	12,902	12,902		12,902
390	COAST GUARD SUPPORT	165,000	165,000	165,000		165,000
	SUBTOTAL MOBILIZATION	**177,902**	**177,902**	**177,902**		**177,902**
	TRAINING AND RECRUITING					
430	SPECIALIZED SKILL TRAINING	51,138	51,138	51,138		51,138
	SUBTOTAL TRAINING AND RECRUITING	**51,138**	**51,138**	**51,138**		**51,138**
	ADMIN & SRVWD ACTIVITIES					
510	ADMINISTRATION	4,145	4,145	4,145		4,145
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	7,503	7,503	7,503		7,503
580	SERVICEWIDE TRANSPORTATION	69,297	69,297	69,297		69,297
610	ACQUISITION, LOGISTICS, AND OVERSIGHT	10,912	10,912	10,912		10,912
650	INVESTIGATIVE AND SECURITY SERVICES	1,559	1,559	1,559		1,559
765	CLASSIFIED PROGRAMS	16,076	16,076	16,076		16,076
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**109,492**	**109,492**	**109,492**		**109,492**
	TOTAL OPERATION & MAINTENANCE, NAVY	**4,757,155**	**4,757,155**	**4,757,155**		**4,757,155**
	OPERATION & MAINTENANCE, MARINE CORPS					

	OPERATING FORCES				
010	OPERATIONAL FORCES	734,505	734,505	734,505	734,505
020	FIELD LOGISTICS	212,691	212,691	212,691	212,691
030	DEPOT MAINTENANCE	53,040	53,040	53,040	53,040
070	BASE OPERATING SUPPORT	23,047	23,047	23,047	23,047
	SUBTOTAL OPERATING FORCES	**1,023,283**	**1,023,283**	**1,023,283**	**1,023,283**
	TRAINING AND RECRUITING				
120	TRAINING SUPPORT	30,459	30,459	30,459	30,459
	SUBTOTAL TRAINING AND RECRUITING	**30,459**	**30,459**	**30,459**	**30,459**
	ADMIN & SRVWD ACTIVITIES				
160	SERVICEWIDE TRANSPORTATION	61,400	61,400	61,400	61,400
170	ADMINISTRATION	2,108	2,108	2,108	2,108
225	CLASSIFIED PROGRAMS	4,650	4,650	4,650	4,650
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**68,158**	**68,158**	**68,158**	**68,158**
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	**1,121,900**	**1,121,900**	**1,121,900**	**1,121,900**
	OPERATION & MAINTENANCE, NAVY RES				
	OPERATING FORCES				
020	INTERMEDIATE MAINTENANCE	500	500	500	500
030	AIRCRAFT DEPOT MAINTENANCE	11,400	11,400	11,400	11,400
080	COMBAT SUPPORT FORCES	13,737	13,737	13,737	13,737
	SUBTOTAL OPERATING FORCES	**25,637**	**25,637**	**25,637**	**25,637**
	TOTAL OPERATION & MAINTENANCE, NAVY RES	**25,637**	**25,637**	**25,637**	**25,637**
	OPERATION & MAINTENANCE, MC RESERVE				
	OPERATING FORCES				
010	OPERATING FORCES	2,550	2,550	2,550	2,550
040	BASE OPERATING SUPPORT	795	795	795	795

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	SUBTOTAL OPERATING FORCES	**3,345**	**3,345**	**3,345**		**3,345**
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	**3,345**	**3,345**	**3,345**		**3,345**
	OPERATION & MAINTENANCE, AIR FORCE					
	OPERATING FORCES					
010	PRIMARY COMBAT FORCES	166,274	166,274	166,274		166,274
020	COMBAT ENHANCEMENT FORCES	1,492,580	1,492,580	1,492,580		1,492,580
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	110,237	110,237	110,237		110,237
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	209,996	209,996	209,996		209,996
050	FACILITIES SUSTAINMENT	92,412	92,412	92,412		92,412
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,289,693	1,289,693	1,289,693		1,289,693
070	FLYING HOUR PROGRAM	2,355,264	2,355,264	2,355,264		2,355,264
080	BASE SUPPORT	1,141,718	1,141,718	1,141,718		1,141,718
090	GLOBAL C3I AND EARLY WARNING	13,537	13,537	13,537		13,537
100	OTHER COMBAT OPS SPT PROGRAMS	224,713	224,713	224,713		224,713
110	CYBERSPACE ACTIVITIES	17,353	17,353	17,353		17,353
120	TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	36,098	36,098	36,098		36,098
130	LAUNCH FACILITIES	385	385	385		385
140	SPACE CONTROL SYSTEMS	38,966	38,966	38,966		38,966
170	US NORTHCOM/NORAD	725	725	725		725
180	US STRATCOM	2,056	2,056	2,056		2,056
190	US CYBERCOM	35,189	35,189	35,189		35,189
200	US CENTCOM	162,691	162,691	162,691		162,691
210	US SOCOM	19,000	19,000	19,000		19,000
	SUBTOTAL OPERATING FORCES	**7,408,887**	**7,408,887**	**7,408,887**		**7,408,887**

	MOBILIZATION				
230	AIRLIFT OPERATIONS	1,287,659	1,287,659	1,287,659	1,287,659
240	MOBILIZATION PREPAREDNESS	107,064	107,064	107,064	107,064
	SUBTOTAL MOBILIZATION	**1,394,723**	**1,394,723**	**1,394,723**	**1,394,723**
	TRAINING AND RECRUITING				
280	OFFICER ACQUISITION	300	300	300	300
290	RECRUIT TRAINING	340	340	340	340
330	SPECIALIZED SKILL TRAINING	25,327	25,327	25,327	25,327
340	FLIGHT TRAINING	844	844	844	844
350	PROFESSIONAL DEVELOPMENT EDUCATION	1,199	1,199	1,199	1,199
360	TRAINING SUPPORT	1,320	1,320	1,320	1,320
	SUBTOTAL TRAINING AND RECRUITING	**29,330**	**29,330**	**29,330**	**29,330**
	ADMIN & SRVWD ACTIVITIES				
430	LOGISTICS OPERATIONS	154,485	154,485	154,485	154,485
440	TECHNICAL SUPPORT ACTIVITIES	13,608	13,608	13,608	13,608
480	ADMINISTRATION	4,814	4,814	4,814	4,814
490	SERVICEWIDE COMMUNICATIONS	131,123	131,123	131,123	131,123
500	OTHER SERVICEWIDE ACTIVITIES	97,471	97,471	97,471	97,471
540	INTERNATIONAL SUPPORT	240	240	240	240
545	CLASSIFIED PROGRAMS	51,108	51,108	51,108	51,108
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	**452,849**	**452,849**	**452,849**	**452,849**
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	**9,285,789**	**9,285,789**	**9,285,789**	**9,285,789**
	OPERATION & MAINTENANCE, AF RESERVE				
	OPERATING FORCES				
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	51,000	51,000	51,000	51,000
060	BASE SUPPORT	9,500	9,500	9,500	9,500
	SUBTOTAL OPERATING FORCES	**60,500**	**60,500**	**60,500**	**60,500**

SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	**60,500**	**60,500**	**60,500**		**60,500**
	OPERATION & MAINTENANCE, ANG					
	OPERATING FORCES					
020	MISSION SUPPORT OPERATIONS	3,560	3,560	3,560		3,560
060	BASE SUPPORT	12,310	12,310	12,310		12,310
	SUBTOTAL OPERATING FORCES	**15,870**	**15,870**	**15,870**		**15,870**
	TOTAL OPERATION & MAINTENANCE, ANG	**15,870**	**15,870**	**15,870**		**15,870**
	OPERATION AND MAINTENANCE, DEFENSE-WIDE					
	OPERATING FORCES					
010	JOINT CHIEFS OF STAFF	28,671	28,671	28,671		28,671
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES	3,733,161	3,733,161	3,733,161		3,733,161
	SUBTOTAL OPERATING FORCES	**3,761,832**	**3,761,832**	**3,761,832**		**3,761,832**
	ADMIN & SRVWIDE ACTIVITIES					
100	DEFENSE CONTRACT AUDIT AGENCY	1,781	1,781	1,781		1,781
110	DEFENSE CONTRACT MANAGEMENT AGENCY	21,723	21,723	21,723		21,723
130	DEFENSE INFORMATION SYSTEMS AGENCY	111,702	111,702	111,702		111,702
150	DEFENSE LEGAL SERVICES AGENCY	127,023	127,023	127,023		127,023
170	DEFENSE MEDIA ACTIVITY	14,377	14,377	14,377		14,377
190	DEFENSE SECURITY COOPERATION AGENCY	2,208,442	2,008,442	1,658,442	–750,000	1,458,442
	Coalition Support Funds			[–550,000]	[–550,000]	
	Transfer of funds to Ukraine Security Assistance fund		[–200,000]		[–200,000]	
230	DEFENSE THREAT REDUCTION AGENCY	302,250	302,250	302,250		302,250
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	31,620	31,620	31,620		31,620

290	OFFICE OF THE SECRETARY OF DEFENSE	16,579	16,579	16,579		16,579
310	WASHINGTON HEADQUARTERS SERVICES	7,766	7,766	7,766		7,766
315	CLASSIFIED PROGRAMS	1,944,813	1,944,813	1,944,813		1,944,813
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	**4,788,076**	**4,588,076**	**4,238,076**	**–750,000**	**4,038,076**
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	**8,549,908**	**8,349,908**	**7,999,908**	**–750,000**	**7,799,908**
	UKRAINE SECURITY ASSISTANCE					
	UKRAINE SECURITY ASSISTANCE					
010	UKRAINE SECURITY ASSISTANCE		250,000		250,000	250,000
	Program increase for defensive lethal assistance		[50,000]		[50,000]	
	Transfer of funds from the Defense Security Cooperation Agency		[200,000]		[200,000]	
	SUBTOTAL UKRAINE SECURITY ASSISTANCE		**250,000**		**250,000**	**250,000**
	TOTAL UKRAINE SECURITY ASSISTANCE		**250,000**		**250,000**	**250,000**
	TOTAL OPERATION & MAINTENANCE	**48,782,670**	**51,146,727**	**48,232,670**	**–43,300**	**48,739,370**

TITLE XLIV—MILITARY PERSONNEL

SEC. 4401. MILITARY PERSONNEL.

SEC. 4401. MILITARY PERSONNEL
(In Thousands of Dollars)

Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Military Personnel Appropriations	**140,689,301**	**–699,280**	**–3,062,080**	**–1,165,280**	**139,524,021**
Control Grade Increase		[7,000]			
Foreign Currency adjustments		[–218,000]	[–133,000]	[–133,000]	
Historical unobligated balances		[–761,500]	[–1,937,100]	[–1,308,500]	

SEC. 4401. MILITARY PERSONNEL
(In Thousands of Dollars)

Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
JROTC program increase		[1,220]	[1,220]	[1,220]	
Permanently reverse BAH reduction for Military Housing Privatization Initiative		[275,000]		[275,000]	
Program decrease		[–3,000]			
End strength cut			[–993,200]		
Medicare-Eligible Retiree Health Fund Contributions	**7,533,090**	**0**	**0**	**0**	**7,533,090**
Total, Military Personnel	**148,222,391**	**–699,280**	**–3,062,080**	**–1,165,280**	**147,057,111**

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Item	FY 2019 Request	Conference Change	Conference Authorized
Military Personnel Appropriations	**4,660,661**	**0**	**4,660,661**
Total, Military Personnel Appropriations	**4,660,661**	**0**	**4,660,661**

TITLE XLV—OTHER AUTHORIZATIONS

SEC. 4501. OTHER AUTHORIZATIONS.

SEC. 4501. OTHER AUTHORIZATIONS
(In Thousands of Dollars)

Program Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
WORKING CAPITAL FUND, ARMY					
ARMY ARSENALS INITIATIVE	59,002	59,002	59,002		59,002
ARMY SUPPLY MANAGEMENT	99,763	99,763	99,763		99,763
TOTAL WORKING CAPITAL FUND, ARMY	**158,765**	**158,765**	**158,765**		**158,765**
WORKING CAPITAL FUND, AIR FORCE					
SUPPLY MANAGEMENT	69,054	69,054	69,054		69,054
TOTAL WORKING CAPITAL FUND, AIR FORCE	**69,054**	**69,054**	**69,054**		**69,054**
WORKING CAPITAL FUND, DEFENSE-WIDE					
SUPPLY CHAIN MANAGEMENT—DEFENSE	48,096	48,096	48,096		48,096
TOTAL WORKING CAPITAL FUND, DEFENSE-WIDE	**48,096**	**48,096**	**48,096**		**48,096**
WORKING CAPITAL FUND, DECA					
COMMISSARY OPERATIONS	1,266,200	1,266,200	1,266,200		1,266,200
TOTAL WORKING CAPITAL FUND, DECA	**1,266,200**	**1,266,200**	**1,266,200**		**1,266,200**
NATIONAL DEFENSE SEALIFT FUND					
POST DELIVERY AND OUTFITTING					
SURGE SEALIFT RECAPITALIZATION		200,000			
Program increase—one used vessel		[200,000]			
NATIONAL DEF SEALIFT VESSEL					
LG MED SPD RO/RO MAINTENANCE		127,739			
Transfer from OMN		[127,739]			
DOD MOBILIZATION ALTERATIONS		20,858			
Transfer from OMN		[20,858]			
TAH MAINTENANCE		157,350			

SEC. 4501. OTHER AUTHORIZATIONS
(In Thousands of Dollars)

Program Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Service Life Extension of USNS Comfort (TAH 20)		[85,000]			
Transfer from OMN		[72,350]			
RESEARCH AND DEVELOPMENT					
READY RESERVE AND PREPOSITIONING FORCE		310,805			
Transfer from OMN		[310,805]			
TOTAL NATIONAL DEFENSE SEALIFT FUND		**816,752**			
CHEM AGENTS & MUNITIONS DESTRUCTION					
OPERATION & MAINTENANCE	105,997	105,997	105,997		105,997
RDT&E	886,728	886,728	886,728		886,728
PROCUREMENT	1,091	1,091	1,091		1,091
TOTAL CHEM AGENTS & MUNITIONS DESTRUCTION	**993,816**	**993,816**	**993,816**		**993,816**
DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF					
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	547,171	547,171	547,171		547,171
DRUG DEMAND REDUCTION PROGRAM	117,900	117,900	117,900		117,900
NATIONAL GUARD COUNTER-DRUG PROGRAM	117,178	137,178	117,178	20,000	137,178
Combatting opioid trafficking and abuse		[20,000]		[20,000]	
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	5,276	5,276	5,276		5,276
TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF	**787,525**	**807,525**	**787,525**	**20,000**	**807,525**
OFFICE OF THE INSPECTOR GENERAL					
OPERATION & MAINTENANCE	327,611	332,611	327,611		327,611
Program increase		[5,000]			
RDT&E	1,602	1,602	1,602		1,602
PROCUREMENT	60	60	60		60
TOTAL OFFICE OF THE INSPECTOR GENERAL	**329,273**	**334,273**	**329,273**		**329,273**

DEFENSE HEALTH PROGRAM					
IN-HOUSE CARE	9,738,569	9,738,569	9,738,569	–40,000	9,698,569
Other costs excess growth				[–16,000]	
Pharmaceuticals excess growth				[–24,000]	
PRIVATE SECTOR CARE	15,103,735	15,103,735	15,103,735		15,103,735
CONSOLIDATED HEALTH SUPPORT	2,107,961	2,107,961	2,107,961		2,107,961
INFORMATION MANAGEMENT	2,039,878	2,039,878	2,039,878		2,039,878
MANAGEMENT ACTIVITIES	307,629	307,629	307,629		307,629
EDUCATION AND TRAINING	756,778	756,778	759,278	2,500	759,278
Specialized medical pilot program			[2,500]	[2,500]	
BASE OPERATIONS/COMMUNICATIONS	2,090,845	2,090,845	2,090,845		2,090,845
RESEARCH	11,386	11,386	11,386		11,386
EXPLORATRY DEVELOPMENT	75,010	80,010	75,010		75,010
Simulators and other technologies to reduce the use of live animal tissue for medical training		[5,000]			
ADVANCED DEVELOPMENT	275,258	280,258	275,258		275,258
Simulators and other technologies to reduce the use of live animal tissue for medical training		[5,000]			
DEMONSTRATION/VALIDATION	117,529	122,529	117,529		117,529
Simulators and other technologies to reduce the use of live animal tissue for medical training		[5,000]			
ENGINEERING DEVELOPMENT	151,985	176,985	151,985	10,000	161,985
FDA approved devices to detect and monitor traumatic brain injury		[10,000]		[10,000]	
Freeze-dried platelet derived hemostatic agents		[10,000]			
Simulators and other technologies to reduce the use of live animal tissue for medical training		[5,000]			
MANAGEMENT AND SUPPORT	63,755	63,755	63,755		63,755
CAPABILITIES ENHANCEMENT	15,714	15,714	15,714		15,714
INITIAL OUTFITTING	33,056	33,056	33,056		33,056
REPLACEMENT & MODERNIZATION	343,424	343,424	343,424		343,424
DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION	496,680	496,680	496,680		496,680

SEC. 4501. OTHER AUTHORIZATIONS
(In Thousands of Dollars)

Program Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
UNDISTRIBUTED		–492,500		–365,500	–365,500
Foreign Currency adjustments		[–22,100]			
Historical unobligated balances		[–470,400]		[–365,500]	
TOTAL DEFENSE HEALTH PROGRAM	**33,729,192**	**33,276,692**	**33,731,692**	**–393,000**	**33,336,192**
TOTAL OTHER AUTHORIZATIONS	**37,381,921**	**37,771,173**	**37,384,421**	**–373,000**	**37,008,921**

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Program Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
WORKING CAPITAL FUND, ARMY					
ARMY SUPPLY MANAGEMENT	6,600	6,600	6,600		6,600
TOTAL WORKING CAPITAL FUND, ARMY	**6,600**	**6,600**	**6,600**		**6,600**
WORKING CAPITAL FUND, AIR FORCE					
SUPPLY MANAGEMENT	8,590	8,590	8,590		8,590
TOTAL WORKING CAPITAL FUND, AIR FORCE	**8,590**	**8,590**	**8,590**		**8,590**
DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF					
DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	153,100	153,100	153,100		153,100
TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF	**153,100**	**153,100**	**153,100**		**153,100**

OFFICE OF THE INSPECTOR GENERAL				
OPERATION & MAINTENANCE	24,692	24,692	24,692	24,692
TOTAL OFFICE OF THE INSPECTOR GENERAL	**24,692**	**24,692**	**24,692**	**24,692**
DEFENSE HEALTH PROGRAM				
IN-HOUSE CARE	72,627	72,627	72,627	72,627
PRIVATE SECTOR CARE	277,066	277,066	277,066	277,066
CONSOLIDATED HEALTH SUPPORT	2,375	2,375	2,375	2,375
TOTAL DEFENSE HEALTH PROGRAM	**352,068**	**352,068**	**352,068**	**352,068**
TOTAL OTHER AUTHORIZATIONS	**545,050**	**545,050**	**545,050**	**545,050**

TITLE XLVI—MILITARY CONSTRUCTION

SEC. 4601. MILITARY CONSTRUCTION.

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Army	Alabama	Anniston Army Depot	Weapon Maintenance Shop	5,200	5,200	5,200		5,200
Army	California	Fort Irwin	Multipurpose Range Complex	29,000	29,000	29,000		29,000
Army	Colorado	Fort Carson	Vehicle Maintenance Shop	77,000	77,000	77,000		77,000
Army	Georgia	Fort Gordon	Cyber Instructional Fac and Network Ctr	99,000	99,000	99,000		99,000
Army	Germany	East Camp Grafenwoehr	Mission Training Complex	31,000	31,000	31,000		31,000
Army	Hawaii	Fort Shafter	Command and Control Facility, Incr 4	105,000	95,000	105,000		105,000
Army	Hawaii	Wheeler Army Airfield	Rotary Wing Parking Apron	0	0	50,000	50,000	50,000
Army	Honduras	Soto Cano Air Base	Barracks	21,000	21,000	21,000		21,000
Army	Indiana	Crane Army Ammunition Plant	Railcar Holding Area	16,000	16,000	16,000		16,000
Army	Kentucky	Fort Campbell	Microgird and Power Plant	0	18,000	18,000	18,000	18,000
Army	Kentucky	Fort Campbell	Vehicle Maintenance Shop	32,000	32,000	32,000		32,000

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Army	Kentucky	Fort Knox	Digital Air/Ground Integration Range	26,000	26,000	26,000		26,000
Army	Korea	Camp Tango	Command and Control Facility	17,500	17,500	17,500		17,500
Army	Kuwait	Camp Arifjan	Vehicle Maintenance Shop	44,000	44,000	44,000		44,000
Army	Maryland	Fort Meade	Cantonment Area Roads	0	16,500	0	16,500	16,500
Army	New Jersey	Picatinny Arsenal	Munitions Disassembly Complex	41,000	41,000	41,000		41,000
Army	New Mexico	White Sands Missile Range	Information Systems Facility	40,000	40,000	40,000		40,000
Army	New York	U.S. Military Academy	Engineering Center	95,000	95,000	95,000		95,000
Army	New York	U.S. Military Academy	Parking Structure	65,000	65,000	65,000		65,000
Army	North Carolina	Fort Bragg	Dining Facility	10,000	10,000	10,000		10,000
Army	South Carolina	Fort Jackson	Trainee Barracks Complex 3, Ph2	52,000	52,000	52,000		52,000
Army	Texas	Fort Bliss	Supply Support Activity	24,000	24,000	24,000		24,000
Army	Texas	Fort Hood	Supply Support Activity	0	9,600	9,600	9,600	9,600
Army	Virginia	Arlington National Cemetery	Arlington National Cemetery (DAR)	0	0	30,000	30,000	30,000
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Force Protection and Safety	0	50,000	0	35,000	35,000
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Host Nation Support	34,000	34,000	34,000		34,000
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	5,000	5,000	5,000		5,000
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	71,068	71,068	71,068		71,068
Army	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	72,000	72,000	72,000		72,000
Military Construction, Army Total				**1,011,768**	**1,095,868**	**1,119,368**	**159,100**	**1,170,868**
Navy	Arizona	Camp Navajo	Missile Motor Magazines and U&SI	0	14,800	14,800	14,800	14,800
Navy	Bahamas	Andros Island	AUTEC Austere Quarters	31,050	31,050	31,050		31,050
Navy	Bahrain	SW Asia	Fleet Maintenance Facility & TOC	26,340	26,340	26,340		26,340

Navy	California	Camp Pendleton	62 Area Mess Hall & Consolidated Warehouse	0	0	71,700		0
Navy	California	Camp Pendleton	AAV-ACV Maintenance & Warehouse Facility	49,410	49,410	49,410		49,410
Navy	California	Camp Pendleton	Electrical Upgrades	4,020	4,020	4,020		4,020
Navy	California	Camp Pendleton	Full Motion Trainer Facility	10,670	10,670	10,670		10,670
Navy	California	Camp Pendleton	Potable Water Distribution Improvements	47,230	47,230	47,230		47,230
Navy	California	Camp Pendleton	Supply Warehouse SOI-West	0	16,600	16,600	16,600	16,600
Navy	California	Marine Corps Air Station Miramar	Airfield Security Improvements	11,500	11,500	11,500		11,500
Navy	California	Marine Corps Air Station Miramar	F–35 Vertical Landing Pads and Taxiway	20,480	20,480	20,480		20,480
Navy	California	Naval Air Station Lemoore	Communications Line Ops to Admin	0	14,900	0	14,900	14,900
Navy	California	Naval Air Station Lemoore	F–35 Maintenance Hangar	112,690	112,690	112,690		112,690
Navy	California	Naval Base Coronado	Aircraft Paint Complex	0	78,800	0		0
Navy	California	Naval Base Coronado	CMV–22B Airfield Improvements	77,780	77,780	77,780		77,780
Navy	California	Naval Base San Diego	Harbor Drive Switching Station	48,440	48,440	48,440		48,440
Navy	California	Naval Base San Diego	LCS Mission Module Readiness Center	0	19,500	0	19,500	19,500
Navy	California	Naval Base San Diego	Pier 8 Replacement	108,100	48,747	108,100	–59,353	48,747
Navy	California	Naval Base Ventura	Directed Energy Systems Intergration Lab	22,150	22,150	22,150		22,150
Navy	California	Naval Base Ventura	Missile Assembly Build & High Explosive Mag	31,010	31,010	31,010		31,010
Navy	California	Naval Weapons Station Seal Beach	Causeway, Boat Channel & Turning Basin	117,830	117,830	117,830	–40,000	77,830
Navy	California	Naval Weapons Station Seal Beach	Missile Magazines	0	21,800	21,800	21,800	21,800
Navy	Cuba	Naval Station Guantanamo Bay	Consolidated Fire Station	0	19,700	0	19,700	19,700
Navy	Cuba	Naval Station Guantanamo Bay	Solid Waste Management Facility	85,000	85,000	85,000		85,000
Navy	District Of Columbia	Naval Observatory	Master Time Clocks & Operations Facility	115,600	60,000	115,600	–75,600	40,000
Navy	Florida	Naval Air Station Whiting Field	Air Traffic Control Tower (North Field)	0	10,000	10,000	10,000	10,000
Navy	Florida	Naval Station Mayport	LCS Operational Training Facility Addition	29,110	29,110	29,110		29,110
Navy	Florida	Naval Station Mayport	LCS Support Facility	82,350	82,350	82,350		82,350
Navy	Georgia	Marine Corps Base Albany	Welding and Body Repair Shop Facility	0	31,900	31,900	31,900	31,900
Navy	Germany	Panzer Kaserne	MARFOREUR HQ Modernization and Expansion	43,950	43,950	43,950		43,950
Navy	Guam	Joint Region Marianas	ACE Gym & Dining	27,910	27,910	27,910		27,910

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Navy	Guam	Joint Region Marianas	Earth Covered Magazines	52,270	52,270	52,270		52,270
Navy	Guam	Joint Region Marianas	Machine Gun Range	141,287	70,000	15,000	–71,287	70,000
Navy	Guam	Joint Region Marianas	Ordnance Ops	22,020	22,020	22,020		22,020
Navy	Guam	Joint Region Marianas	Unaccompanied Enlisted Housing	36,170	36,170	36,170		36,170
Navy	Guam	Naval Base Guam	X-Ray Wharf Improvements (Berth 2)	0	75,600	0	75,600	75,600
Navy	Hawaii	Joint Base Pearl Harbor-Hickam	Drydock Waterfront Facility	45,000	45,000	45,000		45,000
Navy	Hawaii	Joint Base Pearl Harbor-Hickam	Water Transmission Line	78,320	78,320	78,320		78,320
Navy	Hawaii	Marine Corps Base Hawaii	Corrosion Control Hangar	66,100	66,100	66,100		66,100
Navy	Japan	Kadena Air Base	Tactical Operations Center	9,049	9,049	9,049		9,049
Navy	Maine	Portsmouth Naval Yard	Dry Dock #1 Superflood Basin	109,960	51,639	109,960	–38,560	71,400
Navy	Maine	Portsmouth Naval Yard	Extend Portal Crane Rail	39,725	39,725	39,725		39,725
Navy	Mississippi	Naval Construction Battalion Center	Expeditionary Combat Skills Student Berthing	0	22,300	22,300	22,300	22,300
Navy	North Carolina	Camp Lejeune	2nd Radio BN Complex, Phase 2	0	51,300	51,300	51,300	51,300
Navy	North Carolina	Marine Corps Air Station Cherry Point	Aircraft Maintenance Hangar	133,970	60,000	27,000	–73,970	60,000
Navy	North Carolina	Marine Corps Air Station Cherry Point	Flightline Utility Modernization	106,860	55,000	106,860	–51,860	55,000
Navy	Pennsylvania	Naval Support Activity Philadelphia	Submarine Propulsor Manufacturing Support Fac	71,050	71,050	71,050		71,050
Navy	South Carolina	Marine Corps Air Station Beaufort	Cryogenics Facility	0	6,300	6,300	6,300	6,300
Navy	South Carolina	Marine Corps Air Station Beaufort	Recycling/Hazardous Waste Facility	9,517	9,517	9,517		9,517
Navy	South Carolina	Marine Corps Recruit Depot, Parris Island	Range Improvements & Modernization, Phase 2	35,190	35,190	35,190		35,190
Navy	Utah	Hill Air Force Base	D5 Missile Motor Receipt/Storage Facility	105,520	55,000	105,520	–50,520	55,000

Navy	Virginia	Marine Corps Base Quantico	Ammunition Supply Point Upgrade, Phase 2	0	13,100	13,100	13,100	13,100
Navy	Virginia	Marine Corps Base Quantico	TBS Fire Station	21,980	0	0	–21,980	0
Navy	Virginia	Portsmouth	Ships Maintenance Facility	26,120	26,120	26,120		26,120
Navy	Washington	Bangor	Pier and Maintenance Facility	88,960	88,960	88,960		88,960
Navy	Washington	Naval Air Station Whidbey Island	Fleet Support Facility	19,450	19,450	19,450		19,450
Navy	Washington	Naval Air Station Whidbey Island	Next Generation Jammer Facility	7,930	7,930	7,930		7,930
Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Force Protection and Safety	0	50,000	0	35,000	35,000
Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	185,542	177,542	185,542		185,542
Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	28,579	28,579	53,579		28,579
Military Construction, Navy Total				**2,543,189**	**2,538,898**	**2,572,752**	**–130,330**	**2,412,859**
AF	Alaska	Eielson Air Force Base	F–35 Aircraft Maintenance Unit Admin Facility	6,800	6,800	6,800		6,800
AF	Alaska	Eielson Air Force Base	F–35 Conventional Munitions Maintenance Fac	15,500	15,500	15,500		15,500
AF	Alaska	Eielson Air Force Base	F–35A CATM Range	19,000	19,000	19,000		19,000
AF	Alaska	Eielson Air Force Base	F–35A School Age Facility	22,500	22,500	22,500		22,500
AF	Arizona	Davis-Monthan Air Force Base	AGE Facility	0	15,000	15,000	15,000	15,000
AF	Arizona	Luke Air Force Base	F–35A Aircraft Maintenance Unit Facility	23,000	23,000	23,000		23,000
AF	Arizona	Luke Air Force Base	F–35A Squad Ops #6	17,000	17,000	17,000		17,000
AF	Arkansas	Little Rock Air Force Base	Dormitory - 168 PN	0	26,000	0		0
AF	Florida	Eglin Air Force Base	F–35A Integrated Trng Center Academics Bldg	34,863	34,863	34,863		34,863
AF	Florida	Eglin Air Force Base	F–35A Student Dormitory II	28,000	28,000	28,000		28,000
AF	Florida	MacDill Air Force Base	KC135 Beddown Add Flight Simulator Training	3,100	3,100	3,100		3,100
AF	Florida	Patrick Air Force Base	Main Gate	0	9,000	0	9,000	9,000
AF	Guam	Joint Region Marianas	Hayman Munitions Storage Igloos MSA 2	9,800	9,800	9,800		9,800
AF	Louisiana	Barksdale Air Force Base	Entrance Road and Gate Complex	0	12,250	0	12,250	12,250
AF	Mariana Islands	Tinian	APR—Cargo Pad with Taxiway Extension	46,000	46,000	46,000		46,000
AF	Mariana Islands	Tinian	APR—Maintenance Support Facility	4,700	4,700	4,700		4,700
AF	Maryland	Joint Base Andrews	Child Development Center	0	13,000	13,000	13,000	13,000

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
AF	Maryland	Joint Base Andrews	MWD Facility	0	8,000	0	8,000	8,000
AF	Maryland	Joint Base Andrews	PAR Relocate Haz Cargo Pad and EOD Range	37,000	37,000	37,000		37,000
AF	Maryland	Joint Base Andrews	Presidential Aircraft Recap Complex, Inc. 2	154,000	123,116	121,250	–24,884	129,116
AF	Massachusetts	Hanscom Air Force Base	MIT-Lincoln Laboratory (West Lab CSL/MIF)	225,000	40,000	175,000	–120,000	105,000
AF	Nebraska	Offutt Air Force Base	Parking Lot, USSTRATCOM	9,500	9,500	9,500		9,500
AF	Nevada	Creech Air Force Base	MQ–9 CPIP GCS Operations Facility	28,000	28,000	28,000		28,000
AF	Nevada	Creech Air Force Base	MQ–9 CPIP Operations & Command Center Fac.	31,000	31,000	31,000		31,000
AF	Nevada	Nellis Air Force Base	CRH Simulator	5,900	5,900	5,900		5,900
AF	New Mexico	Holloman Air Force Base	MQ–9 FTU Ops Facility	85,000	85,000	85,000		85,000
AF	New Mexico	Kirtland Air Force Base	Wyoming Gate Upgrade for Anti-Terrorism Compliance	0	7,000	7,000	7,000	7,000
AF	New York	Rome Lab	Anti-Terrorism Perimeter Security / Entry Control Point	0	14,200	14,200	14,200	14,200
AF	North Dakota	Minot Air Force Base	Consolidated Helo/TRF Ops/AMU and Alert Fac	66,000	66,000	66,000		66,000
AF	Ohio	Wright-Patterson Air Force Base	ADAL Intelligence Production Complex (NASIC)	116,100	61,000	116,100	–55,100	61,000
AF	Oklahoma	Altus Air Force Base	KC–46A FTU/FTC Simulator Facility Ph 3	12,000	12,000	12,000		12,000
AF	Oklahoma	Tinker Air Force Base	KC–46A Depot Fuel Maintenance Hangar	85,000	85,000	85,000		85,000
AF	Oklahoma	Tinker Air Force Base	KC–46A Depot Maintenance Hangar	81,000	81,000	81,000		81,000
AF	Qatar	Al Udeid	Flightline Support Facilities	30,400	0	30,400	–30,400	0
AF	Qatar	Al Udeid	Personnel Deployment Processing Facility	40,000	0	40,000	–40,000	0
AF	South Carolina	Shaw Air Force Base	CPIP MQ–9 MCE GROUP	53,000	53,000	53,000		53,000
AF	Texas	Joint Base San Antonio	BMT Recruit Dormitory 6	25,000	25,000	25,000		25,000
AF	United Kingdom	Royal Air Force Lakenheath	F–35A 6 Bay Hangar	39,036	39,036	39,036		39,036
AF	United Kingdom	Royal Air Force Lakenheath	F–35A ADAL Conventional Munitions MX	9,204	9,204	9,204		9,204
AF	United Kingdom	Royal Air Force Lakenheath	F–35A ADAL Parts Store	13,926	13,926	13,926		13,926

AF	United Kingdom	Royal Air Force Lakenheath	F–35A AGE Facility	12,449	12,449	12,449		12,449
AF	United Kingdom	Royal Air Force Lakenheath	F–35A Dorm	29,541	29,541	29,541		29,541
AF	United Kingdom	Royal Air Force Lakenheath	F–35A Fuel System Maintenance Dock 2 Bay	16,880	16,880	16,880		16,880
AF	United Kingdom	Royal Air Force Lakenheath	F–35A Parking Apron	27,431	27,431	27,431		27,431
AF	Utah	Hill Air Force Base	Composite Aircraft Antenna Calibration Fac	0	26,000	26,000	26,000	26,000
AF	Washington	Fairchild—White Bluff	ADAL JPRA C2 Mission Support Facility	0	14,000	14,000	14,000	14,000
AF	Worldwide Classified	Classified Location	TACMOR—Utilities and Infrastructure Support	18,000	18,000	18,000		18,000
AF	Worldwide Unspecified	Unspecified Worldwide Locations	Force Protection and Safety	0	50,000	0	35,000	35,000
AF	Worldwide Unspecified	Various Worldwide Locations	Planning and Design	206,577	198,577	226,577		206,577
AF	Worldwide Unspecified	Various Worldwide Locations	Unspecified Minor Military Construction	38,500	38,500	38,500		38,500
Military Construction, Air Force Total				**1,725,707**	**1,570,773**	**1,752,157**	**–116,934**	**1,608,773**
Def-Wide	Alabama	Anniston Army Depot	Install Microgrid	0	0	20,000		0
Def-Wide	Alaska	Clear Air Force Station	Long Range Discrim Radar Sys Complex Ph2	174,000	130,000	130,000	–44,000	130,000
Def-Wide	Alaska	Fort Greely	Missile Field #1 Expansion	8,000	0	8,000		8,000
Def-Wide	Alaska	Joint Base Elmendorf-Richardson	Operations Facility Replacement	14,000	14,000	14,000		14,000
Def-Wide	Arkansas	Little Rock Air Force Base	Hydrant Fuel System Alterations	14,000	14,000	14,000		14,000
Def-Wide	Belgium	Chievres Air Base	Europe West District Superintendent's Office	14,305	14,305	14,305		14,305
Def-Wide	California	Camp Pendleton	SOF EOD Facility—West	3,547	3,547	3,547		3,547
Def-Wide	California	Camp Pendleton	SOF Human Performance Training Center-West	9,049	9,049	9,049		9,049
Def-Wide	California	Defense Distribution Depot-Tracy	Main Access Control Point Upgrades	18,800	18,800	18,800		18,800
Def-Wide	California	Naval Base Coronado	SOF ATC Applied Instruction Facility	14,819	14,819	14,819		14,819
Def-Wide	California	Naval Base Coronado	SOF ATC Training Facility	18,329	18,329	18,329		18,329
Def-Wide	California	Naval Base Coronado	SOF Close Quarters Combat Facility	12,768	12,768	12,768		12,768
Def-Wide	California	Naval Base Coronado	SOF NSWG–1 Operations Support Facility	25,172	25,172	25,172		25,172
Def-Wide	California	NB Ventura County	SNI Energy Storage System	0	0	6,530		0

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Def-Wide	Colorado	Fort Carson	SOF Human Performance Training Center	15,297	15,297	15,297		15,297
Def-Wide	Colorado	Fort Carson	SOF Mountaineering Facility	9,000	9,000	9,000		9,000
Def-Wide	CONUS Classified	Classified Location	Battalion Complex, PH2	49,222	49,222	49,222		49,222
Def-Wide	Cuba	Naval Base Guantanamo Bay	Working Dog Treatment Facility Replacement	9,080	9,080	9,080		9,080
Def-Wide	Djibouti	Camp Lemonnier	ECIP-Install PV Ground Array	0	0	3,750		0
Def-Wide	Germany	Baumholder	SOF Joint Parachute Rigging Facility	11,504	11,504	11,504		11,504
Def-Wide	Germany	Kaiserlautern Air Base	Kaiserslautern Middle School	99,955	99,955	99,955		99,955
Def-Wide	Germany	Rhine Ordnance Barracks	Medical Center Replacement Inc. 8	319,589	319,589	319,589		319,589
Def-Wide	Germany	Weisbaden	Clay Kaserne Elementary School	56,048	56,048	56,048		56,048
Def-Wide	Greece	NSA Souda Bay	Energy Management Control Systems (EMCS)	0	0	2,230		0
Def-Wide	Guam	Naval Base Guam	P–691 NBG 74 Facilities Automated Controls	0	0	4,634		0
Def-Wide	Hawaii	Bellows AFB	Expand PV and Provide Energy Resilience to Fire Crash Rescue	0	0	2,944		0
Def-Wide	Japan	Camp McTureous	Bechtel Elementary School	94,851	94,851	94,851		94,851
Def-Wide	Japan	Iwakuni	Fuel Pier	33,200	33,200	33,200		33,200
Def-Wide	Japan	Kadena Air Base	Truck Unload Facilities	21,400	21,400	21,400		21,400
Def-Wide	Japan	Yokosuka	Kinnick High School	170,386	40,000	40,000	–130,386	40,000
Def-Wide	Kansas	Salina Training Center	PV/Water Conservation & Energy Resilience	0	0	3,500		0
Def-Wide	Kentucky	Fort Campbell	Ft Campbell Middle School	62,634	62,634	62,634		62,634
Def-Wide	Kentucky	Fort Campbell	SOF Air/Ground Integ. Urban Live Fire Range	9,091	9,091	9,091		9,091
Def-Wide	Kentucky	Fort Campbell	SOF Logistics Support Operations Facility	5,435	5,435	5,435		5,435
Def-Wide	Kentucky	Fort Campbell	SOF Multi-Use Helicopter Training Facility	5,138	5,138	5,138		5,138
Def-Wide	Louisiana	JRB NAS New Orleans	Distribution Switchgear	0	0	5,340		0
Def-Wide	Maine	Kittery	Consolidated Warehouse Replacement	11,600	11,600	11,600		11,600
Def-Wide	Maryland	Fort Meade	Mission Support Operations Warehouse Facility	30,000	30,000	30,000		30,000
Def-Wide	Maryland	Fort Meade	NSAW Recapitalize Building #2 Inc 4	218,000	218,000	191,600		218,000
Def-Wide	Maryland	Fort Meade	NSAW Recapitalize Building #3 Inc 1	99,000	99,000	99,000		99,000
Def-Wide	Missouri	St Louis	Next NGA West (N2W) Complex Phase 1 Inc. 2	213,600	181,000	50,000	–32,600	181,000
Def-Wide	Missouri	St Louis	Next NGA West (N2W) Complex Phase 2 Inc. 1	110,000	110,000	110,000		110,000

Def-Wide	New Jersey	Joint Base McGuire-Dix-Lakehurst	Hot Cargo Hydrant System Replacement	10,200	10,200	10,200		10,200
Def-Wide	North Carolina	Fort Bragg	SOF Replace Training Maze and Tower	12,109	12,109	12,109		12,109
Def-Wide	North Carolina	Fort Bragg	SOF SERE Resistance Training Lab. Complex	20,257	20,257	20,257		20,257
Def-Wide	North Carolina	New River	Amb Care Center/Dental Clinic Replacement	32,580	32,580	32,580		32,580
Def-Wide	Oklahoma	McAlester	Bulk Diesel System Replacement	7,000	7,000	7,000		7,000
Def-Wide	South Carolina	MCAS Beaufort	Electrical Hardening and Black Start CHP System	0	0	22,402		0
Def-Wide	Texas	Camp Mabry	Install Microgrid	0	0	5,500		0
Def-Wide	Texas	Joint Base San Antonio	Energy Aerospace Operations Facility	10,200	10,200	10,200		10,200
Def-Wide	Texas	Red River Army Depot	General Purpose Warehouse	71,500	71,500	71,500		71,500
Def-Wide	United Kingdom	Croughton RAF	Ambulatory Care Center Addition/Alteration	10,000	0	0	–10,000	0
Def-Wide	Virginia	Fort A.P. Hill	Training Campus	11,734	11,734	11,734		11,734
Def-Wide	Virginia	Fort Belvoir	Human Performance Training Center	6,127	6,127	6,127		6,127
Def-Wide	Virginia	Humphreys Engineer Center	Maintenance and Supply Facility	20,257	20,257	20,257		20,257
Def-Wide	Virginia	Joint Base Langley-Eustis	Fuel Facilities Replacement	6,900	6,900	6,900		6,900
Def-Wide	Virginia	Joint Base Langley-Eustis	Ground Vehicle Fueling Facility Replacement	5,800	5,800	5,800		5,800
Def-Wide	Virginia	NAS Oceana	Super Flight Line Electrical Distribtion System (FLEDS)	0	0	2,520		0
Def-Wide	Virginia	Pentagon	Exterior Infrastruc. & Security Improvements	23,650	23,650	23,650		23,650
Def-Wide	Virginia	Pentagon	North Village VACP & Fencing	12,200	12,200	12,200		12,200
Def-Wide	Virginia	Traning Center Dam Neck	SOF Magazines	8,959	8,959	8,959		8,959
Def-Wide	Washington	Joint Base Lewis-McChord	Refueling Facility	26,200	26,200	26,200		26,200
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Contingency Construction	10,000	0	10,000	–10,000	0
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	150,000	165,000	150,000	43,390	193,390
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	ERCIP Design	10,000	10,000	15,000	5,000	15,000
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Exercise Related Minor Construction	12,479	12,479	12,479		12,479
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	55,925	55,925	55,925		55,925
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	496	496	496		496

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	2,036	2,036	2,036		2,036
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	14,300	14,300	14,300		14,300
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	14,184	14,184	14,184	–8,000	6,184
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	5,000	5,000	5,000		5,000
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	10,000	10,000	10,000		10,000
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	13,642	13,642	13,642		13,642
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	3,000	3,000	3,000		3,000
Def-Wide	Worldwide Unspecified	Various Worldwide Locations	Planning & Design	42,705	42,705	42,705		42,705
Def-Wide	Worldwide Unspecified	Various Worldwide Locations	Planning and Design	55,699	55,699	55,699		55,699
Def-Wide	Worldwide Unspecified	Various Worldwide Locations	Unspecified Minor Construction	17,366	17,366	17,366		17,366
Military Construction, Defense-Wide Total				**2,693,324**	**2,473,338**	**2,403,288**	**–186,596**	**2,506,728**
NATO	Worldwide Unspecified	NATO Security Investment Program	NATO Security Investment Program	171,064	171,064	171,064		171,064
NATO Security Investment Program Total				**171,064**	**171,064**	**171,064**	**0**	**171,064**
Army NG	Alaska	Joint Base Elmendorf-Richardson	United States Property & Fiscal Office	27,000	27,000	27,000		27,000
Army NG	Illinois	Marseilles Training Center	Automated Record Fire Range	5,000	5,000	5,000		5,000
Army NG	Montana	Malta	National Guard Readiness Center	15,000	15,000	15,000		15,000

Army NG	Nevada	North Las Vegas	National Guard Readiness Center	32,000	32,000	32,000		32,000
Army NG	New Hampshire	Pembroke	National Guard Readiness Center	12,000	12,000	12,000		12,000
Army NG	North Dakota	Fargo	National Guard Readiness Center	32,000	32,000	32,000		32,000
Army NG	Ohio	Camp Ravenna	Automated Multipurpose Machine Gun Range	7,400	7,400	7,400		7,400
Army NG	Oklahoma	Lexington	Aircraft Vehicle Storage Building	0	11,000	11,000	11,000	11,000
Army NG	Oregon	Boardman	Tactical Unmanned Aerial Vehicle Hangar	0	0	11,000	11,000	11,000
Army NG	South Dakota	Rapid City	National Guard Readiness Center	15,000	15,000	15,000		15,000
Army NG	Texas	Houston	Unheated Vehicle Storage (Aircraft)	0	0	15,000		0
Army NG	Virginia	Sandston	Army Aviation Support Facility	0	0	89,000		0
Army NG	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	16,622	16,622	16,622		16,622
Army NG	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	18,100	18,100	18,100		18,100
Military Construction, Army National Guard Total				**180,122**	**191,122**	**306,122**	**22,000**	**202,122**
Army Res	California	Barstow	ECS Modified TEMF / Warehouse	34,000	34,000	34,000		34,000
Army Res	Washington	Yakima Training Center	ECS Modified TEMF	0	23,000	0	23,000	23,000
Army Res	Wisconsin	Fort McCoy	Transient Training Barracks	23,000	23,000	23,000		23,000
Army Res	Worldwide Unspecified	Unspecified Worldwide Locations	Planning and Design	5,855	5,855	5,855		5,855
Army Res	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	2,064	2,064	2,064		2,064
Military Construction, Army Reserve Total				**64,919**	**87,919**	**64,919**	**23,000**	**87,919**
N/MC Res	California	Naval Weapons Station Seal Beach	Reserve Training Center	21,740	21,740	21,740		21,740
N/MC Res	Georgia	Fort Benning	Reserve Training Center	13,630	13,630	13,630		13,630
N/MC Res	Worldwide Unspecified	Unspecified Worldwide Locations	Planning & Design	4,695	4,695	4,695		4,695
N/MC Res	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	3,000	3,000	3,000		3,000
Military Construction, Naval Reserve Total				**43,065**	**43,065**	**43,065**	**0**	**43,065**
Air NG	California	Channel Islands Air National Guard Station	Construct C–130J Flight Simulator Facility	8,000	8,000	8,000		8,000

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Air NG	Hawaii	Joint Base Pearl Harbor-Hickam	Construct Addition to F–22 LO/CRF B3408	17,000	17,000	17,000		17,000
Air NG	Illinois	Greater Peoria Regional Airport	Construct New Fire Crash/Rescue Station	9,000	9,000	9,000		9,000
Air NG	Louisiana	Naval Air Station Joint Reserve Base New Orleans	NORTHCOM—Construct Alert Facilities	0	24,000	0	24,000	24,000
Air NG	Louisiana	Naval Air Station Joint Reserve Base New Orleans	NORTHCOM—Construct Alert Apron	15,000	15,000	15,000	0	15,000
Air NG	Minnesota	Duluth International Airport	Construct Small Arms Range	0	8,000	0	8,000	8,000
Air NG	Montana	Great Falls International Airport	Construct Aircraft Apron	0	9,000	0	9,000	9,000
Air NG	New York	Francis S. Gabreski Airport	Security Forces/Comm.Training Facility	20,000	20,000	20,000		20,000
Air NG	Ohio	Mansfield Lahm Airport	Replace Fire Station	0	13,000	0	13,000	13,000
Air NG	Ohio	Rickenbacker International Airport	Construct Small Arms Range	0	8,000	0	8,000	8,000
Air NG	Pennsylvania	Fort Indiantown Gap	Replace Operations Training/Dining Hall	8,000	8,000	8,000		8,000
Air NG	Puerto Rico	Luis Munoz Marin International	Hurricane Maria—Communications Facility	0	0	15,000		0
Air NG	Puerto Rico	Luis Munoz Marin International Airport	Hurricane Maria—Maintenance Hangar	0	0	35,000		0
Air NG	Virginia	Joint Base Langley-Eustis	Construct Cyber Ops Facility	10,000	10,000	10,000		10,000
Air NG	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	23,626	23,626	23,626		23,626
Air NG	Worldwide Unspecified	Various Worldwide Locations	Planning and Design	18,500	18,500	22,500		18,500
Military Construction, Air National Guard Total				**129,126**	**191,126**	**183,126**	**62,000**	**191,126**

AF Res	Florida	Patrick Air Force Base	HC–130J Mx Hanger	0	24,000	0	24,000	24,000
AF Res	Indiana	Grissom Air Reserve Base	Add/Alter Aircraft Maintenance Hangar	12,100	12,100	12,100		12,100
AF Res	Indiana	Grissom Air Reserve Base	Aerial Port Facility	0	9,400	9,400	9,400	9,400
AF Res	Massachusetts	Westover Air Reserve Base	Regional ISO Mx Hanger	0	42,600	0	42,600	42,600
AF Res	Minnesota	Minneapolis-St Paul International Airport	Small Arms Range	9,000	9,000	9,000	–9,000	0
AF Res	Mississippi	Keesler Air Force Base	Aeromedical Staging Squadron Facility	4,550	4,550	4,550		4,550
AF Res	New York	Niagara Falls International Airport	Physical Fitness Center	14,000	14,000	14,000		14,000
AF Res	Ohio	Youngstown Air Reserve Station	Relocation Main Gate	0	8,800	0	8,800	8,800
AF Res	Texas	Naval Air Station Joint Reserve Base Fort Worth	Munitions Training/Admin Facility	3,100	3,100	3,100	–3,100	0
AF Res	Worldwide Unspecified	Unspecified Worldwide Locations	Planning & Design	4,055	4,055	9,055		4,055
AF Res	Worldwide Unspecified	Unspecified Worldwide Locations	Unspecified Minor Construction	3,358	3,358	3,358		3,358
Military Construction, Air Force Reserve Total				**50,163**	**134,963**	**64,563**	**72,700**	**122,863**
FH Con Army	Germany	Baumholder	Family Housing Improvements	32,000	32,000	32,000		32,000
FH Con Army	Italy	Vicenza	Family Housing New Construction	95,134	95,134	95,134		95,134
FH Con Army	Korea	Camp Humphreys	Family Housing New Construction Incr 3	85,000	85,000	85,000		85,000
FH Con Army	Korea	Camp Walker	Family Housing Replacement Construction	68,000	68,000	68,000		68,000
FH Con Army	Puerto Rico	Fort Buchanan	Family Housing Replacement Construction	26,000	26,000	26,000		26,000
FH Con Army	Wisconsin	Fort McCoy	Family Housing New Construction	6,200	6,200	6,200		6,200
FH Con Army	Worldwide Unspecified	Unspecified Worldwide Locations	Family Housing P & D	18,326	18,326	18,326		18,326
Family Housing Construction, Army Total				**330,660**	**330,660**	**330,660**	**0**	**330,660**
FH Ops Army	Worldwide Unspecified	Unspecified Worldwide Locations	Furnishings	15,842	15,842	15,842		15,842
FH Ops Army	Worldwide Unspecified	Unspecified Worldwide Locations	Housing Privatization Support	18,801	20,301	18,801		18,801

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
FH Ops Army	Worldwide Unspecified	Unspecified Worldwide Locations	Leasing	161,252	161,252	161,252		161,252
FH Ops Army	Worldwide Unspecified	Unspecified Worldwide Locations	Maintenance	75,530	75,530	75,530		75,530
FH Ops Army	Worldwide Unspecified	Unspecified Worldwide Locations	Management	36,302	34,802	36,302		36,302
FH Ops Army	Worldwide Unspecified	Unspecified Worldwide Locations	Miscellaneous	408	408	408		408
FH Ops Army	Worldwide Unspecified	Unspecified Worldwide Locations	Services	10,502	10,502	10,502		10,502
FH Ops Army	Worldwide Unspecified	Unspecified Worldwide Locations	Utilities	57,872	57,872	57,872		57,872
Family Housing Operation And Maintenance, Army Total				**376,509**	**376,509**	**376,509**	**0**	**376,509**
FH Con Navy	Guam	Guam	Joint Region Marianas	83,441	83,441	83,441		83,441
FH Con Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Design, Washington DC	4,502	4,502	4,502		4,502
FH Con Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Improvements, Washington DC	16,638	16,638	16,638		16,638
Family Housing Construction, Navy And Marine Corps Total				**104,581**	**104,581**	**104,581**	**0**	**104,581**
FH Ops Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Furnishings	16,395	16,395	16,395		16,395
FH Ops Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Housing Privatization Support	21,767	23,267	21,767		21,767
FH Ops Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Leasing	62,515	62,515	62,515		62,515
FH Ops Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Maintenance	86,328	86,328	86,328		86,328

FH Ops Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Management	50,870	49,370	50,870		50,870
FH Ops Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Miscellaneous	148	148	148		148
FH Ops Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Services	16,261	16,261	16,261		16,261
FH Ops Navy	Worldwide Unspecified	Unspecified Worldwide Locations	Utilities	60,252	60,252	60,252		60,252
Family Housing Operation And Maintenance, Navy And Marine Corps Total				**314,536**	**314,536**	**314,536**	**0**	**314,536**
FH Con AF	Worldwide Unspecified	Unspecified Worldwide Locations	Construction Improvements	75,247	75,247	75,247		75,247
FH Con AF	Worldwide Unspecified	Unspecified Worldwide Locations	Planning & Design	3,199	3,199	3,199		3,199
Family Housing Construction, Air Force Total				**78,446**	**78,446**	**78,446**	**0**	**78,446**
FH Ops AF	Worldwide Unspecified	Unspecified Worldwide Locations	Furnishings	30,645	30,645	30,645		30,645
FH Ops AF	Worldwide Unspecified	Unspecified Worldwide Locations	Housing Privatization Support	22,205	23,705	22,205		22,205
FH Ops AF	Worldwide Unspecified	Unspecified Worldwide Locations	Leasing	15,832	15,832	15,832		15,832
FH Ops AF	Worldwide Unspecified	Unspecified Worldwide Locations	Maintenance	129,763	129,763	129,763		129,763
FH Ops AF	Worldwide Unspecified	Unspecified Worldwide Locations	Management	54,423	52,923	54,423		54,423
FH Ops AF	Worldwide Unspecified	Unspecified Worldwide Locations	Miscellaneous	2,171	2,171	2,171		2,171
FH Ops AF	Worldwide Unspecified	Unspecified Worldwide Locations	Services	13,669	13,669	13,669		13,669
FH Ops AF	Worldwide Unspecified	Unspecified Worldwide Locations	Utilities	48,566	48,566	48,566		48,566
Family Housing Operation And Maintenance, Air Force Total				**317,274**	**317,274**	**317,274**	**0**	**317,274**
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Furnishings	1	1	1		1

SEC. 4601. MILITARY CONSTRUCTION
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Furnishings	643	643	643		643
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Furnishings	416	416	416		416
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Leasing	13,046	13,046	13,046		13,046
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Leasing	38,232	38,232	38,232		38,232
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Maintenance	121	121	121		121
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Maintenance	1,542	1,542	1,542		1,542
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Management	155	155	155		155
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Services	2	2	2		2
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Utilities	4,100	4,100	4,100		4,100
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Utilities	106	106	106		106
FH Ops DW	Worldwide Unspecified	Unspecified Worldwide Locations	Utilities	9	9	9		9
Family Housing Operation And Maintenance, Defense-Wide Total				**58,373**	**58,373**	**58,373**	**0**	**58,373**
FHIF	Worldwide Unspecified	Unspecified Worldwide Locations	Administrative Expenses—FHIF	1,653	1,653	1,653		1,653
DOD Family Housing Improvement Fund Total				**1,653**	**1,653**	**1,653**	**0**	**1,653**
UHIF	Worldwide Unspecified	Unaccompanied Housing Improvement Fund	Administrative Expenses—UHIF	600	600	600		600

	Unaccompanied Housing Improvement Fund Total			**600**	**600**	**600**	**0**	**600**
BRAC	Worldwide Unspecified	Unspecified Worldwide Locations	Base Realignment and Closure	62,796	80,906	62,796	18,110	80,906
	Base Realignment and Closure—Army Total			**62,796**	**80,906**	**62,796**	**18,110**	**80,906**
BRAC	Worldwide Unspecified	Unspecified Worldwide Locations	Base Realignment and Closure	151,839	170,949	151,839	19,110	170,949
	Base Realignment and Closure—Navy Total			**151,839**	**170,949**	**151,839**	**19,110**	**170,949**
BRAC	Worldwide Unspecified	Unspecified Worldwide Locations	Base Realignment and Closure	52,903	71,013	52,903	18,110	71,013
	Base Realignment and Closure—Air Force Total			**52,903**	**71,013**	**52,903**	**18,110**	**71,013**
PYS	Prior Year Savings	Prior Year Savings	Prior Year Savings	0	–71,158	0	–83,296	–83,296
	Prior Year Savings Total			**0**	**–71,158**	**0**	**–83,296**	**–83,296**
	Total, Military Construction			**10,462,617**	**10,332,478**	**10,530,594**	**–123,026**	**10,339,591**

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	Conference Change	Conference Authorized
Army	Bulgaria	Nevo Selo FOS	EDI: Ammunition Holding Area	5,200		5,200
Army	Cuba	Guantanamo Bay	High Value Detention Facility	69,000	–69,000	0
Army	Poland	Drawsko Pomorski Training Area	EDI: Staging Area	17,000		17,000
Army	Poland	Powidz Air Base	EDI: Ammunition Storage Facility	52,000		52,000
Army	Poland	Powidz Air Base	EDI: Bulk Fuel Storage	21,000		21,000
Army	Poland	Powidz Air Base	EDI: Rail Extension & Railhead	14,000		14,000
Army	Poland	Zagan Training Area	EDI: Rail Extension and Railhead	6,400		6,400
Army	Poland	Zagan Training Area	EDI: Staging Area	34,000		34,000

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Account	State/ Country	Installation	Project Title	FY 2019 Request	Conference Change	Conference Authorized
Army	Romania	Mihail Kogalniceanu FOS	EDI: Explosives & Ammo Load/Unload Apron	21,651		21,651
Army	Worldwide Unspecified	Unspecified Worldwide Locations	EDI: Planning and Design	20,999		20,999
Military Construction, Army Total				**261,250**	**–69,000**	**192,250**
Navy	Greece	Souda Bay	EDI: Joint Mobility Processing Center	41,650		41,650
Navy	Greece	Souda Bay	EDI: Marathi Logistics Support Center	6,200		6,200
Navy	Italy	Sigonella	EDI: P–8A Taxiway	66,050		66,050
Navy	Spain	Rota	EDI: Port Operations Facilities	21,590		21,590
Navy	United Kingdom	Lossiemouth	EDI: P–8 Base Improvements	79,130		79,130
Navy	Worldwide Unspecified	Unspecified Worldwide Locations	EDI: Planning and Design	12,700		12,700
Military Construction, Navy Total				**227,320**	**0**	**227,320**
AF	Germany	Ramstein AB	EDI: KME DABS-FEV/RH Storage Warehouses	119,000		119,000
AF	Norway	Rygge	EDI: Construct Taxiway	13,800		13,800
AF	Qatar	Al Udeid	Flight Line Support Facilities	0	30,400	30,400
AF	Qatar	Al Udeid	Personnel Deployment Processing Facility	0	40,000	40,000
AF	Slovakia	Malacky	EDI: Regional Munitions Storage Area	59,000		59,000
AF	United Kingdom	RAF Fairford	EDI: Construct DABS-FEV Storage	87,000		87,000
AF	United Kingdom	RAF Fairford	EDI: Munitions Holding Area	19,000		19,000
AF	Worldwide Unspecified	Unspecified Worldwide Locations	EDI: Planning & Design Funds	48,000	–1,400	46,600
Military Construction, Air Force Total				**345,800**	**69,000**	**414,800**
Def-Wide	Estonia	Unspecified Estonia	EDI: SOF Operations Facility	6,100		6,100
Def-Wide	Estonia	Unspecified Estonia	EDI: SOF Training Facility	9,600		9,600
Def-Wide	Qatar	Al Udeid	Trans-Regional Logistics Complex	60,000		60,000
Def-Wide	Worldwide Unspecified	Unspecified Worldwide Locations	EDI: Planning and Design	7,100		7,100

Def-Wide	Worldwide Unspecified	Various Worldwide Locations	EDI: Planning and Design	4,250		4,250
Military Construction, Defense-Wide Total				**87,050**	**0**	**87,050**
Total, Military Construction				**921,420**	**0**	**921,420**

TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS.

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Discretionary Summary By Appropriation					
Energy And Water Development, And Related Agencies					
Appropriation Summary:					
Energy Programs					
Nuclear Energy	136,090	0	0	0	136,090
Atomic Energy Defense Activities					
National nuclear security administration:					
Weapons activities	11,017,078	201,000	100,000	175,586	11,192,664
Defense nuclear nonproliferation	1,862,825	127,000	0	–15,396	1,847,429
Naval reactors	1,788,618	0	0	0	1,788,618
Federal salaries and expenses	422,529	–18,000	0	–18,000	404,529
Total, National nuclear security administration	**15,091,050**	**310,000**	**100,000**	**142,190**	**15,233,240**

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Environmental and other defense activities:					
Defense environmental cleanup	5,630,217	50,000	–100,000	–3,581	5,626,636
Other defense activities	853,300	0	0	0	853,300
Defense nuclear waste disposal	30,000	0	–30,000	–30,000	0
Total, Environmental & other defense activities	**6,513,517**	**50,000**	**–130,000**	**–33,581**	**6,479,936**
Total, Atomic Energy Defense Activities	**21,604,567**	**360,000**	**–30,000**	**108,609**	**21,713,176**
Total, Discretionary Funding	**21,740,657**	**360,000**	**–30,000**	**108,609**	**21,849,266**
Nuclear Energy					
Idaho sitewide safeguards and security	136,090				136,090
Total, Nuclear Energy	**136,090**	**0**	**0**	**0**	**136,090**
Weapons Activities					
Directed stockpile work					
Life extension programs and major alterations					
B61–12 Life extension program	794,049				794,049
W76–1 Life extension program	48,888				48,888
W88 Alt 370	304,285				304,285
W80–4 Life extension program	654,766				654,766
IW–1	53,000				53,000
W76–2 Warhead modification program	65,000				65,000
Total, Life extension programs and major alterations	**1,919,988**	**0**	**0**	**0**	**1,919,988**
Stockpile systems					
B61 Stockpile systems	64,547				64,547
W76 Stockpile systems	94,300				94,300
W78 Stockpile systems	81,329				81,329

W80 Stockpile systems	80,204				80,204
B83 Stockpile systems	35,082				35,082
W87 Stockpile systems	83,107				83,107
W88 Stockpile systems	180,913				180,913
Total, Stockpile systems	**619,482**	**0**	**0**	**0**	**619,482**
Weapons dismantlement and disposition					
Operations and maintenance	56,000				56,000
Stockpile services					
Production support	512,916	–4,000		–4,000	508,916
Program decrease		[–4,000]		[–4,000]	
Research and development support	38,129				38,129
R&D certification and safety	216,582	–2,000		–2,000	214,582
Program decrease		[–2,000]		[–2,000]	
Management, technology, and production	300,736	–2,000			300,736
Program decrease		[–2,000]			
Total, Stockpile services	**1,068,363**	**–8,000**	**0**	**–6,000**	**1,062,363**
Strategic materials					
Uranium sustainment	87,182				87,182
Plutonium sustainment	361,282				361,282
Tritium sustainment	205,275				205,275
Lithium sustainment	29,135				29,135
Domestic uranium enrichment	100,704				100,704
Strategic materials sustainment	218,794				218,794
Total, Strategic materials	**1,002,372**	**0**	**0**	**0**	**1,002,372**
Total, Directed stockpile work	**4,666,205**	**–8,000**	**0**	**–6,000**	**4,660,205**
Research, development, test and evaluation (RDT&E)					
Science					
Advanced certification	57,710				57,710

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS
(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Primary assessment technologies	95,057	–2,000		–2,000	93,057
Program decrease		[–2,000]		[–2,000]	
Dynamic materials properties	131,000	–3,000		–3,000	128,000
Program decrease		[–3,000]		[–3,000]	
Advanced radiography	32,544				32,544
Secondary assessment technologies	77,553				77,553
Academic alliances and partnerships	53,364				53,364
Enhanced Capabilities for Subcritical Experiments	117,632			–37,632	80,000
Total, Science	**564,860**	**–5,000**	**0**	**–42,632**	**522,228**
Engineering					
Enhanced surety	43,226				43,226
Weapon systems engineering assessment technology	27,536				27,536
Nuclear survivability	48,230				48,230
Enhanced surveillance	58,375			–8,375	50,000
Program decrease				[–8,375]	
Stockpile Responsiveness	34,000	6,000		6,000	40,000
Program increase		[6,000]		[6,000]	
Total, Engineering	**211,367**	**6,000**	**0**	**–2,375**	**208,992**
Inertial confinement fusion ignition and high yield					
Ignition	22,434	20,000	47,141	47,141	69,575
Maintain sustainable levels		[20,000]	[47,141]	[47,141]	
Support of other stockpile programs	17,397	4,000	5,168	5,168	22,565
Maintain sustainable levels		[4,000]	[5,168]	[5,168]	
Diagnostics, cryogenics and experimental support	51,453	13,000	22,741	25,741	77,194
Maintain sustainable levels		[10,000]	[22,741]	[22,741]	

Tokamak support		[3,000]		[3,000]	
Pulsed power inertial confinement fusion	8,310			–714	7,596
Program decrease				[–714]	
Joint program in high energy density laboratory plasmas	0		9,492	9,492	9,492
Program increase			[9,492]	[9,492]	
Facility operations and target production	319,333	15,000	15,458	15,458	334,791
Maintain sustainable levels		[15,000]	[15,458]	[15,458]	
Total, Inertial confinement fusion and high yield	**418,927**	**52,000**	**100,000**	**102,286**	**521,213**
Advanced simulation and computing					
Advanced simulation and computing	656,401				656,401
Construction:					
18–D–670, Exascale Class Computer Cooling Equipment, LANL	24,000				24,000
18–D–620, Exascale Computing Facility Modernization Project, LLNL	23,000				23,000
Total, Construction	**47,000**	**0**	**0**	**0**	**47,000**
Total, Advanced simulation and computing	**703,401**	**0**	**0**	**0**	**703,401**
Advanced manufacturing					
Additive manufacturing	17,447				17,447
Component manufacturing development	48,477			–2,693	45,784
Program decrease				[–2,693]	
Process technology development	30,914				30,914
Total, Advanced manufacturing	**96,838**	**0**	**0**	**–2,693**	**94,145**
Total, RDT&E	**1,995,393**	**53,000**	**100,000**	**54,586**	**2,049,979**
Infrastructure and operations					
Operations of facilities	891,000			–11,000	880,000
Safety and environmental operations	115,000			–5,000	110,000
Maintenance and repair of facilities	365,000	39,000		39,000	404,000
Address high-priority repair needs and preventive maintenance		[39,000]		[39,000]	
Recapitalization:					
Infrastructure and safety	431,631	67,000		67,000	498,631

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Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Support high-priority deferred maintenance		[67,000]		[67,000]	
Capability based investments	109,057	4,000		4,000	113,057
Program increase		[4,000]		[4,000]	
Total, Recapitalization	**540,688**	**71,000**	**0**	**71,000**	**611,688**
Construction:					
19–D–670, 138kV Power Transmission System Replacement, NNSS	6,000				6,000
19–D–660, Lithium Production Capability, Y–12	19,000				19,000
18–D–680, Material Staging Facility, Pantex	0	24,000		24,000	24,000
18–D–650, Tritium Production Capability, SRS	27,000				27,000
17–D–710, West End Protected Area reduction Project, Y–12	0	9,000			0
17–D–640, U1a Complex Enhancements Project, NNSS	53,000				53,000
16–D–515, Albuquerque complex project	47,953				47,953
14–D–710, DAF Argus project, NNSS	0	2,000			0
06–D–141 Uranium processing facility Y–12, Oak Ridge, TN	703,000				703,000
04–D–125 Chemistry and metallurgy research facility replacement project, LANL	235,095				235,095
Total, Construction	**1,091,048**	**35,000**	**0**	**24,000**	**1,115,048**
Total, Infrastructure and operations	**3,002,736**	**145,000**	**0**	**118,000**	**3,120,736**
Secure transportation asset					
Operations and equipment	176,617				176,617
Program direction	102,022				102,022
Total, Secure transportation asset	**278,639**	**0**	**0**	**0**	**278,639**
Defense nuclear security					
Operations and maintenance	690,638	11,000		9,000	699,638
Physical security infrastructure recapitalization and CSTART		[11,000]		[9,000]	

Total, Defense nuclear security	**690,638**	**11,000**	**0**	**9,000**	**699,638**
Information technology and cybersecurity	221,175				221,175
Legacy contractor pensions	162,292				162,292
Total, Weapons Activities	**11,017,078**	**201,000**	**100,000**	**175,586**	**11,192,664**
Defense Nuclear Nonproliferation					
Defense Nuclear Nonproliferation Programs					
Global material security					
International nuclear security	46,339				46,339
Domestic radiological security	90,764				90,764
International radiological security	59,576				59,576
Nuclear smuggling detection and deterrence	140,429			–10,000	130,429
Program decrease				[–10,000]	
Total, Global material security	**337,108**	**0**	**0**	**–10,000**	**327,108**
Material management and minimization					
HEU reactor conversion	98,300			–10,000	88,300
Program decrease				[–10,000]	
Nuclear material removal	32,925				32,925
Material disposition	200,869				200,869
Total, Material management & minimization	**332,094**	**0**	**0**	**–10,000**	**322,094**
Nonproliferation and arms control	129,703				129,703
Defense nuclear nonproliferation R&D	456,095	12,000		12,000	468,095
Acceleration of low-yield detection experiments		[6,000]		[6,000]	
Future nuclear proliferation challenges, including 3D printing		[6,000]		[6,000]	
Nonproliferation Construction:					
18–D–150 Surplus Plutonium Disposition Project	59,000				59,000
99–D–143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS	220,000	115,000			220,000

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Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Total, Nonproliferation construction	**279,000**	**115,000**	**0**	**0**	**279,000**
Total, Defense Nuclear Nonproliferation Programs	**1,534,000**	**127,000**	**0**	**–8,000**	**1,526,000**
Low Enriched Uranium R&D for Naval Reactors	0	0	0	10,000	10,000
Direct support to low-enriched uranium R&D for Naval Reactors				[10,000]	
Legacy contractor pensions	28,640				28,640
Nuclear counterterrorism and incident response program	319,185				319,185
Use of prior year balances	–19,000			–17,396	–36,396
Total, Defense Nuclear Nonproliferation	**1,862,825**	**127,000**	**0**	**–15,396**	**1,847,429**
Naval Reactors					
Naval reactors development	514,951				514,951
Columbia-Class reactor systems development	138,000				138,000
S8G Prototype refueling	250,000				250,000
Naval reactors operations and infrastructure	525,764				525,764
Construction:					
19–D–930, KS Overhead Piping	10,994				10,994
17–D–911, BL Fire System Upgrade	13,200				13,200
14–D–901 Spent fuel handling recapitalization project, NRF	287,000				287,000
Total, Construction	**311,194**	**0**	**0**	**0**	**311,194**
Program direction	48,709				48,709
Total, Naval Reactors	**1,788,618**	**0**	**0**	**0**	**1,788,618**
Federal Salaries And Expenses					

Program direction	422,529	–18,000		–18,000	404,529
Program decrease		[–18,000]		[–18,000]	
Total, Office Of The Administrator	**422,529**	**–18,000**	**0**	**–18,000**	**404,529**
Defense Environmental Cleanup					
Closure sites:					
Closure sites administration	4,889				4,889
Richland:					
River corridor and other cleanup operations	89,577				89,577
Central plateau remediation	562,473	50,000		50,000	612,473
Accelerated remediation of 300–296 waste site		[50,000]		[50,000]	
Richland community and regulatory support	5,121				5,121
Construction:					
18–D–404 WESF Modifications and Capsule Storage	1,000				1,000
Total, Construction	**1,000**	**0**	**0**	**0**	**1,000**
Total, Hanford site	**658,171**	**50,000**	**0**	**50,000**	**708,171**
Office of River Protection:					
Waste Treatment Immobilization Plant Commissioning	15,000				15,000
Rad liquid tank waste stabilization and disposition	677,460				677,460
Construction:					
15–D–409 Low activity waste pretreatment system, ORP	56,053				56,053
01–D–416 A-D WTP Subprojects A-D	675,000				675,000
01–D–416 E—Pretreatment Facility	15,000				15,000
Total, Construction	**746,053**	**0**	**0**	**0**	**746,053**
Total, Office of River protection	**1,438,513**	**0**	**0**	**0**	**1,438,513**
Idaho National Laboratory:					
SNF stabilization and disposition—2012	17,000				17,000
Solid waste stabilization and disposition	148,387				148,387

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Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
Radioactive liquid tank waste stabilization and disposition	137,739				137,739
Soil and water remediation—2035	42,900				42,900
Idaho community and regulatory support	3,200				3,200
Total, Idaho National Laboratory	**349,226**	**0**	**0**	**0**	**349,226**
NNSA sites and Nevada off-sites					
Lawrence Livermore National Laboratory	1,704				1,704
Nuclear facility D & D					
Separations Process Research Unit	15,000				15,000
Nevada	60,136				60,136
Sandia National Laboratories	2,600				2,600
Los Alamos National Laboratory	191,629				191,629
Total, NNSA sites and Nevada off-sites	**271,069**	**0**	**0**	**0**	**271,069**
Oak Ridge Reservation:					
OR Nuclear facility D & D					
OR-0041—D&D - Y–12	30,214				30,214
OR-0042—D&D -ORNL	60,007				60,007
Total, OR Nuclear facility D & D	**90,221**	**0**	**0**	**0**	**90,221**
U233 Disposition Program	45,000				45,000
OR cleanup and waste disposition					
OR cleanup and disposition	67,000				67,000
Construction:					
17–D–401 On-site waste disposal facility	5,000				5,000
14–D–403 Outfall 200 Mercury Treatment Facility	11,274				11,274

Total, Construction	**16,274**	**0**	**0**	**0**	**16,274**
Total, OR cleanup and waste disposition	**83,274**	**0**	**0**	**0**	**83,274**
OR community & regulatory support	4,711				4,711
OR technology development and deployment	3,000				3,000
Total, Oak Ridge Reservation	**226,206**	**0**	**0**	**0**	**226,206**
Savannah River Sites:					
Nuclear Material Management	351,331				351,331
Environmental Cleanup					
Environmental Cleanup	166,105				166,105
Construction:					
18–D–402, Emergency Operations Center	1,259				1,259
Total, Environmental Cleanup	**167,364**	**0**	**0**	**0**	**167,364**
SR community and regulatory support	4,749				4,749
Radioactive liquid tank waste stabilization and disposition	805,686			–53,581	752,105
Construction:					
18–D–401, SDU #8/9	37,450				37,450
17–D–402—Saltstone Disposal Unit #7	41,243				41,243
05–D–405 Salt waste processing facility, Savannah River Site	65,000				65,000
Total, Construction	**143,693**	**0**	**0**	**0**	**143,693**
Total, Savannah River site	**1,472,823**	**0**	**0**	**–53,581**	**1,419,242**
Waste Isolation Pilot Plant					
Operations and maintenance	220,000				220,000
Central characterization project	19,500				19,500
Critical Infrastructure Repair/Replacement	46,695				46,695
Transportation	25,500				25,500
Construction:					
15–D–411 Safety significant confinement ventilation system, WIPP	84,212				84,212

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(In Thousands of Dollars)

Program	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
15–D–412 Exhaust shaft, WIPP	1,000				1,000
Total, Construction	**85,212**	**0**	**0**	**0**	**85,212**
Total, Waste Isolation Pilot Plant	**396,907**	**0**	**0**	**0**	**396,907**
Program direction	300,000				300,000
Program support	6,979				6,979
Minority Serving Institution Partnership	6,000				6,000
Safeguards and Security					
Oak Ridge Reservation	14,023				14,023
Paducah	15,577				15,577
Portsmouth	15,078				15,078
Richland/Hanford Site	86,686				86,686
Savannah River Site	183,357				183,357
Waste Isolation Pilot Project	6,580				6,580
West Valley	3,133				3,133
Total, Safeguards and Security	**324,434**	**0**	**0**	**0**	**324,434**
Technology development	25,000				25,000
HQEF-0040—Excess Facilities	150,000		–100,000		150,000
Program decrease			[–100,000]		
Total, Defense Environmental Cleanup	**5,630,217**	**50,000**	**–100,000**	**–3,581**	**5,626,636**
Other Defense Activities					
Environment, health, safety and security					
Environment, health, safety and security	135,194				135,194
Program direction	70,653				70,653
Total, Environment, Health, safety and security	**205,847**	**0**	**0**	**0**	**205,847**

Independent enterprise assessments					
Independent enterprise assessments	24,068				24,068
Program direction	52,702				52,702
Total, Independent enterprise assessments	**76,770**	**0**	**0**	**0**	**76,770**
Specialized security activities	254,378				254,378
Office of Legacy Management					
Legacy management	140,575				140,575
Program direction	18,302				18,302
Total, Office of Legacy Management	**158,877**	**0**	**0**	**0**	**158,877**
Defense related administrative support					
Chief financial officer	48,484				48,484
Chief information officer	96,793				96,793
Project management oversight and Assessments	8,412				8,412
Total, Defense related administrative support	**153,689**	**0**	**0**	**0**	**145,277**
Office of hearings and appeals	5,739				5,739
Subtotal, Other defense activities	**855,300**	**0**	**0**	**0**	**855,300**
Rescission of prior year balances (OHA)	–2,000				–2,000
Total, Other Defense Activities	**853,300**	**0**	**0**	**0**	**853,300**
Defense Nuclear Waste Disposal					
Yucca mountain and interim storage	30,000		–30,000	–30,000	0
Program cut			[–30,000]	[–30,000]	
Total, Defense Nuclear Waste Disposal	**30,000**	**0**	**–30,000**	**–30,000**	**0**

From the Committee on Armed Services, for consideration of the House bill and the Senate amendment, and modifications committed to conference:

MAC THORNBERRY,
JOE WILSON of South Carolina,
FRANK A. LOBIONDO,
ROB BISHOP of Utah,
MIKE ROGERS of Alabama,
BILL SHUSTER,
K. MICHAEL CONAWAY,
DOUG LAMBORN,
ROBERT J. WITTMAN,
MIKE COFFMAN,
VICKY HARTZLER,
AUSTIN SCOTT of Georgia,
PAUL COOK,
BRADLEY BYRNE,
ELISE M. STEFANIK,
DON BACON,
JIM BANKS of Indiana,
ADAM SMITH of Washington,
SUSAN A. DAVIS of California,
JIM COOPER,
MADELEINE Z. BORDALLO,
JOE COURTNEY,
JOHN GARAMENDI,
MARC A. VEASEY,
TULSI GABBARD,
BETO O'ROURKE,
STEPHANIE N. MURPHY of Florida,

As additional conferees from the Permanent Select Committee on Intelligence, for consideration of matters within the jurisdiction of that committee under clause 11 of rule X:

DEVIN NUNES,
CHRIS STEWART,

As additional conferees from the Committee on the Budget, for consideration of secs. 1252 and 1523 of the House bill, and secs. 4, 1002, 1032, and 1721 of the Senate amendment, and modifications committed to conference:

STEVE WOMACK,

As additional conferees from the Committee on Education and the Workforce, for consideration of secs. 228, 563, 564, 1094, and 3120C of the House bill, and secs. 561–63 of the Senate amendment, and modifications committed to conference:

VIRGINIA FOXX,
ROBERT C. "BOBBY" SCOTT of Virginia,

From the Committee on Energy and Commerce, for consideration of title XVII of the Senate amendment, and modifications committed to conference:

ROBERT E. LATTA,

BILL JOHNSON of Ohio,

As additional conferees from the Committee on Energy and Commerce, for consideration of secs. 701, 712, 1083, 1096, 3111–13, 3118, 3119, 3132, and 4305 of the House bill, and secs. 315, 601, 714, 3111–15, 5802, and 7509 of the Senate amendment, and modifications committed to conference:

GREG WALDEN,

RICHARD HUDSON,

As additional conferees from the Committee on Financial Services, for consideration of 1299O–2 and 1236 of the House bill, and title XVII of the Senate amendment, and modifications committed to conference:

JEB HENSARLING,

ANDY BARR,

From the Committee on Foreign Affairs, for consideration of title XVII of the Senate amendment, and modifications committed to conference:

ADAM KINZINGER,

As additional conferees from the Committee on Foreign Affairs, for consideration of secs. 346, 1042, 1202–06, 1210, 1211, 1221–23, 1230A, 1230D, 1230F, 1231, 1234, 1236, 1237, 1239, 1240, 1254–56, 1264, 1267, 1268, 1271, 1274, 1276, 1278, 1280, 1282, 1288, 1299O–1, 1299O–2, 1299O–3, 1299O–4, 1301, 1302, 1521, 1522, and 3116 of the House bill, and secs. 331, 1061, 1063, 1201–04, 1207, 1211, 1213, 1221–23, 1231–33, 1241, 1244, 1245, 1261, 1262, 1264–66, 1269, 1301, 1302, 1531, 1622, 1623, 1654, 3113, 3116, 6002, 6202–04, 6701, and 6702 of the Senate amendment, and modifications committed to conference:

BRIAN J. MAST,

As additional conferees from the Committee on Foreign Affairs, for consideration of secs. 346, 1042, 1202–06, 1210, 1211, 1221–23, 1230A, 1230D, 1230F, 1231, 1234, 1236, 1237, 1239, 1240, 1254–56, 1264, 1267, 1268, 1271, 1274, 1276, 1278, 1280, 1282, 1288, 1299O–1, 1299O–2, 1299O–3, 1299O–4, 1301, 1302, 1521, 1522, and 3116 of the House bill, and secs. 331, 1061, 1063, 1201–04, 1207, 1211, 1213, 1221–23, 1231–33, 1241, 1244, 1245, 1261, 1262, 1264–66, 1269, 1301, 1302, 1531, 1622, 1623, 1654, 3113, 3116, 6002, 6202–04, 6701, 6702, and title XVII of the Senate amendment, and modifications committed to conference:

EDWARD R. ROYCE of California,

As additional conferees from the Committee on Homeland Security, for consideration of sec. 1634 of the House bill, and modifications committed to conference:

MICHAEL T. MCCAUL,

JOHN RATCLIFFE,

As additional conferees from the Committee on the Judiciary, for consideration of secs. 826, 1043, 1050B, 1073, 1074, 1079, 1085, 1087, 1090, 1299O–2, 4319, and 4710 of the House bill, and secs. 1025, 1035 and 1715 of the Senate amendment, and modifications committed to conference:

BOB GOODLATTE,

F. JAMES SENSENBRENNER, Jr.,

As additional conferees from the Committee on Natural Resources, for consideration of secs. 313, 314, 316, 342, 1043, 1076, 1079, 2822, 2830, 2830A, 2831, 2832, 2845–47, 3402, 3549, 4810, 4837, division E, and sec. 6101 of the House bill, and secs. 601, 2833, 2836, and 7518 of the Senate amendment, and modifications committed to conference:

BRUCE WESTERMAN,

As additional conferees from the Committee on Oversight and Government Reform, for consideration of secs. 506, 511, 569, 822, 831, 832, 834, 835, 860, 875, 880–84, 886, 917, 1101–11, 4711, and 4829 of the House bill, and secs. 568, 595, 607, 632, 702, 813, 902, 937, 1101–05, 1122–25, 1254B, 1628, 1639, 1640, 1716, 1726, 2835, and 6702 of the Senate amendment, and modifications committed to conference:

MARK SANFORD,
DENNIS A. ROSS,

As additional conferees from the Committee on Science, Space, and Technology, for consideration of secs. 854, 858, and 1603 of the House bill, and secs. 893 and 1604 of the Senate amendment, and modifications committed to conference:

LAMAR SMITH of Texas,
FRANK D. LUCAS,

As additional conferees from the Committee on Small Business, for consideration of secs. 811, 851–58, 861, 863–68, and 2803 of the House bill, and secs. 893, 1626, and 6006 of the Senate amendment, and modifications committed to conference:

STEVE CHABOT,

As additional conferees from the Committee on Transportation and Infrastructure, for consideration of secs. 518, 554, 883, 1044, 1049, 1050B, 1075, 1095, 1111, 2848, 3501, 3504, 3522–25, 3528, 3529, and division D of the House bill, and secs. 153, 556, 601, 1604, 3501, 3502, 7501, 7502, 7507–09, 7515, and 7517 of the Senate amendment, and modifications committed to conference:

BARBARA COMSTOCK,
JULIA BROWNLEY of California,

As additional conferees from the Committee on Veterans' Affairs, for consideration of secs. 547, 552, 582, 1411, and 2844 of the House bill, and secs. 721, 726, and 1431 of the Senate amendment, and modifications committed to conference:

DAVID P. ROE of Tennessee,
BRUCE POLIQUIN,

As additional conferees from the Committee on Ways and Means, for consideration of sec. 701 of the House bill, and sec. 6201 of the Senate amendment, and modifications committed to conference:

DAVID G. REICHERT,
PETER J. ROSKAM,

RICHARD E. NEAL,

For consideration of secs. 313, 314, 316, 342, 1043, 1076, 1079, 1252, 1523, 2822, 2830, 2830A, 2831, 2832, 2845–47, 3402, 3549, 4810, 4837, division E, and sec. 6101 of the House bill and secs. 4, 601, 1002, 1032, 1721, 2833, 2836, and 7518 of the Senate amendment, and modifications committed to conference:

JACK BERGMAN,

For consideration of secs. 228, 518, 554, 563, 564, 883, 1044, 1049, 1050B, 1075, 1094, 1095, 1111, 2848, 3120C, 3501, 3504, 3522–25, 3528, 3529, and division D of the House bill and secs. 153, 556, 561–63, 601, 1604, 3501, 3502, 7501, 7502, 7507–09, 7515, and 7517 of the Senate amendment, and modifications committed to conference:

JASON LEWIS of Minnesota,

Managers on the Part of the House.

JOHN MCCAIN,
JAMES M. INHOFE,
ROGER F. WICKER,
DEB FISCHER,
TOM COTTON,
MIKE ROUNDS,
JONI ERNST,
THOM TILLIS,
DAN SULLIVAN,
DAVID PERDUE,
TED CRUZ,
LINDSEY GRAHAM,
BEN SASSE,
TIM SCOTT,
MIKE CRAPO,
JACK REED,
BILL NELSON,
CLAIRE MCCASKILL,
JEANNE SHAHEEN,
RICHARD BLUMENTHAL,
JOE DONNELLY,
MAZIE K. HIRONO,
TIM KAINE,
ANGUS S. KING, Jr.,
MARTIN HEINRICH,
GARY C. PETERS,
SHERROD BROWN,

Managers on the Part of the Senate.

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