

AMENDMENTS SUBMITTED AND PROPOSED

SA 2791. Mr. CORNYN (for himself and Mr. CRUZ) submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; which was ordered to lie on the table.

SA 2792. Mr. MCCAIN submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra; which was ordered to lie on the table.

SA 2793. Ms. BALDWIN submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra; which was ordered to lie on the table.

SA 2794. Mr. DURBIN submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra.

SA 2795. Mr. BENNET submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra.

SA 2796. Mr. MCCAIN submitted an amendment intended to be proposed by him to the concurrent resolution H. Con. Res. 90, directing the Secretary of the Senate to make a technical correction in the enrollment of S. 1356.

SA 2797. Mr. BLUNT (for himself and Mrs. McCASKILL) submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; which was ordered to lie on the table.

SA 2798. Mr. TESTER (for Mrs. BOXER) proposed an amendment to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra.

SA 2799. Mr. THUNE (for himself and Mr. ROUNDS) submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra; which was ordered to lie on the table.

SA 2800. Mr. THUNE submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra; which was ordered to lie on the table.

SA 2801. Mr. TESTER (for Mr. BROWN (for himself and Mr. TILLIS)) proposed an amendment to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra.

SA 2802. Mr. LEE submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra; which was ordered to lie on the table.

SA 2803. Mr. LEE submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, supra; which was ordered to lie on the table.

SA 2804. Mrs. FEINSTEIN (for herself, Mr. DURBIN, and Mr. LEAHY) submitted an amendment intended to be proposed by her

to the bill S. 1356, to clarify that certain provisions of the Border Patrol Agent Pay Reform Act of 2014 will not take effect until after the Director of the Office of Personnel Management promulgates and makes effective regulations relating to such provisions; which was ordered to lie on the table.

SA 2805. Mr. THUNE (for Mr. CRUZ (for himself, Mr. NELSON, Mr. RUBIO, Mr. PETERS, Mr. GARDNER, and Mrs. MURRAY)) submitted an amendment intended to be proposed by Mr. Thune to the bill H.R. 2262, to facilitate a pro-growth environment for the developing commercial space industry by encouraging private sector investment and creating more stable and predictable regulatory conditions, and for other purposes.

SA 2806. Ms. MURKOWSKI (for Mr. ISAKSON) proposed an amendment to the bill S. 1203, to amend title 38, United States Code, to improve the processing by the Department of Veterans Affairs of claims for benefits under laws administered by the Secretary of Veterans Affairs, and for other purposes.

SA 2807. Ms. MURKOWSKI (for Mr. BLUMENTHAL) proposed an amendment to the resolution S. Res. 302, expressing the sense of the Senate in support of Israel and in condemnation of Palestinian terror attacks.

SA 2808. Ms. MURKOWSKI (for Mr. BLUMENTHAL) proposed an amendment to the resolution S. Res. 302, supra.

TEXT OF AMENDMENTS

SA 2791. Mr. CORNYN (for himself and Mr. CRUZ) submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. _____. (a) Not later than 30 days after the date of the enactment of this Act, the Secretary of Veterans Affairs shall submit to the appropriate committees of Congress a report that includes, with respect to the South Texas Veterans Health Care System of the Department of Veterans Affairs, the following:

(1) A description of the nature and scope of any foreseeable increase in wait times for medical appointments.

(2) An assessment of whether a shortage of health care providers is the primary cause of any such increase in wait times.

(3) An identification of any other causes of any such increase in wait times.

(4) A description of any action taken by the Department to correct any such increase in wait times.

(5) An assessment of any issues relating to access to care.

(6) A plan for how the Secretary will remedy any such increase in wait times, including a detailed description of steps to be taken and a timeline for completion.

(b) In this section, the term “appropriate committees of Congress” means—

(1) the Committee on Appropriations and the Committee on Veterans’ Affairs of the Senate; and

(2) the Committee on Appropriations and the Committee on Veterans’ Affairs of the House of Representatives.

SA 2792. Mr. MCCAIN submitted an amendment intended to be proposed to

amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; which was ordered to lie on the table; as follows:

At the end of title II, add the following:

SEC. 2. _____. EXPANSION OF CHOICE PROGRAM OF DEPARTMENT OF VETERANS AFFAIRS.

(a) ELIMINATION OF SUNSET.—

(1) IN GENERAL.—Section 101 of the Veterans Access, Choice, and Accountability Act of 2014 (Public Law 113-146; 38 U.S.C. 1701 note) is amended—

(A) by striking subsection (p); and

(B) by redesignating subsections (q), (r), (s), and (t) as subsections (p), (q), (r), and (s), respectively.

(2) CONFORMING AMENDMENTS.—Such section is amended—

(A) in subsection (i)(2), by striking “during the period in which the Secretary is authorized to carry out this section pursuant to subsection (p)”;

(B) in subsection (p)(2), as redesignated by paragraph (1)(B), by striking subparagraph (F).

(b) EXPANSION OF ELIGIBILITY.—

(1) IN GENERAL.—Subsection (b) of such section is amended to read as follows:

“(b) ELIGIBLE VETERANS.—A veteran is an eligible veteran for purposes of this section if the veteran is enrolled in the patient enrollment system of the Department of Veterans Affairs established and operated under section 1705 of title 38, United States Code, including any such veteran who has not received hospital care or medical services from the Department and has contacted the Department seeking an initial appointment from the Department for the receipt of such care or services.”.

(2) CONFORMING AMENDMENTS.—Such section is amended—

(A) in subsection (c)(1)—

(i) in the matter preceding subparagraph (A), by striking “In the case of an eligible veteran described in subsection (b)(2)(A), the Secretary shall, at the election of the eligible veteran” and inserting “The Secretary shall, at the election of an eligible veteran”; and

(ii) in subparagraph (A), by striking “described in such subsection” and inserting “of the Veterans Health Administration”;

(B) in subsection (f)(1), by striking “subsection (b)(1)” and inserting “subsection (b)”;

(C) in subsection (g), by striking paragraph (3); and

(D) in subsection (p)(2)(A), as redesignated by subsection (a)(1)(B), by striking “, disaggregated by—” and all that follows through “subsection (b)(2)(D)”.

(c) EFFECTIVE DATE.—The amendments made by this section shall apply with respect to hospital care and medical services furnished under section 101 of the Veterans Access, Choice, and Accountability Act of 2014 (Public Law 113-146; 38 U.S.C. 1701 note) on and after the date that is 90 days after the date of the enactment of this Act.

SA 2793. Ms. BALDWIN submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal

year ending September 30, 2016, and for other purposes; which was ordered to lie on the table; as follows:

At the end of title I, add the following:

SEC. _____. (a) Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense shall establish a central clearinghouse within the Department of Defense regarding physical security enhancements at military facilities to reduce inefficiency and promote the sharing of best practices among the military services and Department of Defense components.

(b) Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the Committees on Appropriations a report—

(1) describing the establishment and use of the clearinghouse described in subsection (a);

(2) describing completed and planned actions by the Department of Defense, the military services, the combatant commands, and the National Guard Bureau to enhance physical security at their installations, including recruiting centers and reserve component facilities; and

(3) identifying funding requirements for such actions.

SA 2794. Mr. DURBIN submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; as follows:

At the end of title II, add the following:

SEC. 2 _____. (a) The amount appropriated or otherwise made available by this title under the heading “MEDICAL AND PROSTHETIC RESEARCH” under the heading “VETERANS HEALTH ADMINISTRATION” is hereby increased by \$8,922,462.

(b) The amount appropriated or otherwise made available by this title for fiscal year 2016 under the heading “MEDICAL SERVICES” under the heading “VETERANS HEALTH ADMINISTRATION” is hereby reduced by \$8,922,462.

SA 2795. Mr. BENNET submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; as follows:

At the end of title II, add the following:

SEC. 2 _____. (a) Not later than 30 days after the date of the enactment of this Act, the Secretary of Veterans Affairs shall, in consultation with the Secretary of Defense, enter into a contract with an independent third party described in subsection (b) to carry out a study on the impact of participation in combat during service in the Armed Forces on suicides and other mental health issues among members of the Armed Forces and veterans.

(b) An independent third party described in this subsection is an independent third party that has appropriate credentials to access information in the possession of the Department of Defense and the Department of Veterans Affairs that is necessary to carry out the study required under subsection (a).

SA 2796. Mr. MCCAIN submitted an amendment intended to be proposed by him to the concurrent resolution H. Con. Res. 90, directing the Secretary of the Senate to make a technical correction in the enrollment of S. 1356; as follows:

Strike the matter following the resolving clause and insert the following:

That in the enrollment of the bill S. 1356, the Secretary of the Senate shall make the following corrections:

(1) Amend the title so as to read: “An Act to authorize appropriations for fiscal year 2016 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.”.

(2) In the table of contents in section 2, in the item relating to section 1242, amend “Ukrainian Republic” so as to read “Ukraine”.

(3) In the table of contents for title XII before section 1201, in the item relating to section 1242, amend “Ukrainian Republic” so as to read “Ukraine”.

(4) In the section heading of section 1242, amend “UKRAINIAN REPUBLIC” so as to read “UKRAINE”.

(5) In section 1242, amend “the Ukrainian Republic” so as to read “Ukraine” each place it appears in subsections (a)(1) and (b).

(6) Strike section 4201 and insert the following:

“SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION.

**“SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)”**

Line	Program Element	Item	FY 2016 Request	Agreement Authorized
RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY				
BASIC RESEARCH				
001	0601101A	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	13,018	13,018
002	0601102A	DEFENSE RESEARCH SCIENCES	239,118	259,118
		Basic research program increase		[20,000]
003	0601103A	UNIVERSITY RESEARCH INITIATIVES	72,603	72,603
004	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	100,340	100,340
		SUBTOTAL BASIC RESEARCH	425,079	445,079
APPLIED RESEARCH				
005	0602105A	MATERIALS TECHNOLOGY	28,314	28,314
006	0602120A	SENSORS AND ELECTRONIC SURVIVABILITY	38,374	38,374
007	0602122A	TRACTOR HIP	6,879	6,879
008	0602211A	AVIATION TECHNOLOGY	56,884	56,884
009	0602270A	ELECTRONIC WARFARE TECHNOLOGY	19,243	19,243
010	0602303A	MISSILE TECHNOLOGY	45,053	53,053
		A2/AD Anti-Ship Missile Study		[8,000]
011	0602307A	ADVANCED WEAPONS TECHNOLOGY	29,428	29,428
012	0602308A	ADVANCED CONCEPTS AND SIMULATION	27,862	27,862
013	0602601A	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	68,839	68,839
014	0602618A	BALLISTICS TECHNOLOGY	92,801	92,801
015	0602622A	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	3,866	3,866
016	0602623A	JOINT SERVICE SMALL ARMS PROGRAM	5,487	5,487
017	0602624A	WEAPONS AND MUNITIONS TECHNOLOGY	48,340	48,340
018	0602705A	ELECTRONICS AND ELECTRONIC DEVICES	55,301	55,301
019	0602709A	NIGHT VISION TECHNOLOGY	33,807	33,807
020	0602712A	COUNTERMINE SYSTEMS	25,068	25,068
021	0602716A	HUMAN FACTORS ENGINEERING TECHNOLOGY	23,681	23,681
022	0602720A	ENVIRONMENTAL QUALITY TECHNOLOGY	20,850	20,850
023	0602782A	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	36,160	36,160
024	0602783A	COMPUTER AND SOFTWARE TECHNOLOGY	12,656	12,656
025	0602784A	MILITARY ENGINEERING TECHNOLOGY	63,409	63,409
026	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	24,735	24,735
027	0602786A	WARFIGHTER TECHNOLOGY	35,795	35,795
028	0602787A	MEDICAL TECHNOLOGY	76,853	76,853
		SUBTOTAL APPLIED RESEARCH	879,685	887,685
ADVANCED TECHNOLOGY DEVELOPMENT				
029	0603001A	WARFIGHTER ADVANCED TECHNOLOGY	46,973	46,973

**“SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)”**

Line	Program Element	Item	FY 2016 Request	Agreement Authorized
030	0603002A	MEDICAL ADVANCED TECHNOLOGY	69,584	69,584
031	0603003A	AVIATION ADVANCED TECHNOLOGY	89,736	89,736
032	0603004A	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	57,663	57,663
033	0603005A	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	113,071	113,071
034	0603006A	SPACE APPLICATION ADVANCED TECHNOLOGY	5,554	5,554
035	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	12,636	12,636
037	0603009A	TRACTOR HIKE	7,502	7,502
038	0603015A	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	17,425	17,425
039	0603020A	TRACTOR ROSE	11,912	11,912
040	0603125A	COMBATING TERRORISM—TECHNOLOGY DEVELOPMENT	27,520	27,520
041	0603130A	TRACTOR NAIL	2,381	2,381
042	0603131A	TRACTOR EGGS	2,431	2,431
043	0603270A	ELECTRONIC WARFARE TECHNOLOGY	26,874	26,874
044	0603313A	MISSILE AND ROCKET ADVANCED TECHNOLOGY	49,449	49,449
045	0603322A	TRACTOR CAGE	10,999	10,999
046	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	177,159	177,159
047	0603606A	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	13,993	13,993
048	0603607A	JOINT SERVICE SMALL ARMS PROGRAM	5,105	5,105
049	0603710A	NIGHT VISION ADVANCED TECHNOLOGY	40,929	40,929
050	0603728A	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	10,727	10,727
051	0603734A	MILITARY ENGINEERING ADVANCED TECHNOLOGY	20,145	20,145
052	0603772A	ADVANCED TACTICAL COMPUTER SCIENCE AND SENSOR TECHNOLOGY	38,163	38,163
053	0603794A	C3 ADVANCED TECHNOLOGY	37,816	37,816
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	895,747	895,747
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
054	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	10,347	10,347
055	0603308A	ARMY SPACE SYSTEMS INTEGRATION	25,061	25,061
056	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV	49,636	49,636
057	0603627A	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	13,426	13,426
058	0603639A	TANK AND MEDIUM CALIBER AMMUNITION	46,749	46,749
060	0603747A	SOLDIER SUPPORT AND SURVIVABILITY	6,258	6,258
061	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV	13,472	13,472
062	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	7,292	7,292
063	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL	8,813	8,813
065	0603790A	NATO RESEARCH AND DEVELOPMENT	6,075	6,075
067	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	21,233	21,233
068	0603807A	MEDICAL SYSTEMS—ADV DEV	31,962	31,962
069	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	22,194	22,194
071	0604100A	ANALYSIS OF ALTERNATIVES	9,805	9,805
072	0604115A	TECHNOLOGY MATURATION INITIATIVES	40,917	40,917
073	0604120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	30,058	30,058
074	0604319A	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2—INTERCEPT (IFPC2)	155,361	155,361
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	498,659	498,659
		SYSTEM DEVELOPMENT & DEMONSTRATION		
076	0604201A	AIRCRAFT AVIONICS	12,939	12,939
078	0604270A	ELECTRONIC WARFARE DEVELOPMENT	18,843	18,843
079	0604280A	JOINT TACTICAL RADIO	9,861	9,861
080	0604290A	MID-TIER NETWORKING VEHICULAR RADIO (MNVR)	8,763	8,763
081	0604321A	ALL SOURCE ANALYSIS SYSTEM	4,309	4,309
082	0604328A	TRACTOR CAGE	15,138	15,138
083	0604601A	INFANTRY SUPPORT WEAPONS	74,128	80,628
		Army requested realignment		[1,500]
		Soldier Enhancement Program		[5,000]
085	0604611A	JAVELIN	3,945	3,945
087	0604633A	AIR TRAFFIC CONTROL	10,076	10,076
088	0604641A	TACTICAL UNMANNED GROUND VEHICLE (TUGV)	40,374	40,374
089	0604710A	NIGHT VISION SYSTEMS—ENG DEV	67,582	67,582
090	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	1,763	1,763
091	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV	27,155	27,155
092	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV	24,569	24,569
093	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	23,364	23,364
094	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	8,960	8,960
095	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV	9,138	9,138
096	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	21,622	21,622
097	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	99,242	99,242
098	0604802A	WEAPONS AND MUNITIONS—ENG DEV	21,379	21,379
099	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV	48,339	48,339
100	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV	2,726	2,726
101	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV	45,412	45,412
102	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV	55,215	55,215
104	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	163,643	163,643
105	0604820A	RADAR DEVELOPMENT	12,309	12,309
106	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	15,700	15,700
107	0604823A	FIREFINDER	6,243	6,243
108	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL	18,776	18,776
109	0604854A	ARTILLERY SYSTEMS—EMD	1,953	1,953
110	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT	67,358	67,358
111	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)	136,011	121,011
		Restructure program		[–15,000]
112	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV)	230,210	230,210

**“SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)”**

Line	Program Element	Item	FY 2016 Request	Agreement Authorized
113	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC)	13,357	13,357
114	0605031A	JOINT TACTICAL NETWORK (JTN)	18,055	18,055
115	0605032A	TRACTOR TIRE	5,677	5,677
116	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM)	77,570	101,570
		Apache Survivability Enhancements—Army Unfunded Requirement		[24,000]
117	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT	18,112	78,112
		Apache Survivability Enhancements—Army Unfunded Requirement		[60,000]
118	0605350A	WIN-T INCREMENT 3—FULL NETWORKING	39,700	39,700
119	0605380A	AMF JOINT TACTICAL RADIO SYSTEM (JTRS)	12,987	12,987
120	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM)	88,866	74,966
		EMD contract delays		[–13,900]
121	0605456A	PAC-3/MSE MISSILE	2,272	2,272
122	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	214,099	214,099
123	0605625A	MANNED GROUND VEHICLE	49,247	39,247
		Funding ahead of need		[–10,000]
124	0605626A	AERIAL COMMON SENSOR	2	2
125	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP)	10,599	10,599
126	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	32,486	32,486
127	0605830A	AVIATION GROUND SUPPORT EQUIPMENT	8,880	8,880
128	0210609A	PALADIN INTEGRATED MANAGEMENT (PIM)	152,288	152,288
129	0303032A	TROJAN—RH12	5,022	5,022
130	0304270A	ELECTRONIC WARFARE DEVELOPMENT	12,686	12,686
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	2,068,950	2,120,550
		RDT&E MANAGEMENT SUPPORT		
131	0604256A	THREAT SIMULATOR DEVELOPMENT	20,035	20,035
132	0604258A	TARGET SYSTEMS DEVELOPMENT	16,684	16,684
133	0604759A	MAJOR T&E INVESTMENT	62,580	62,580
134	0605103A	RAND ARROYO CENTER	20,853	20,853
135	0605301A	ARMY KWAJALEIN ATOLL	205,145	205,145
136	0605326A	CONCEPTS EXPERIMENTATION PROGRAM	19,430	19,430
138	0605601A	ARMY TEST RANGES AND FACILITIES	277,646	277,646
139	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	51,550	51,550
140	0605604A	SURVIVABILITY/LETHALITY ANALYSIS	33,246	33,246
141	0605606A	AIRCRAFT CERTIFICATION	4,760	4,760
142	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	8,303	8,303
143	0605706A	MATERIEL SYSTEMS ANALYSIS	20,403	20,403
144	0605709A	EXPLOITATION OF FOREIGN ITEMS	10,396	10,396
145	0605712A	SUPPORT OF OPERATIONAL TESTING	49,337	49,337
146	0605716A	ARMY EVALUATION CENTER	52,694	52,694
147	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG	938	938
148	0605801A	PROGRAMWIDE ACTIVITIES	60,319	60,319
149	0605803A	TECHNICAL INFORMATION ACTIVITIES	28,478	28,478
150	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	32,604	24,604
		Program reduction		[–8,000]
151	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	3,186	3,186
152	0605898A	MANAGEMENT HQ—R&D	48,955	48,955
		SUBTOTAL RDT&E MANAGEMENT SUPPORT	1,027,542	1,019,542
		OPERATIONAL SYSTEMS DEVELOPMENT		
154	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM	18,397	18,397
155	0603813A	TRACTOR PULL	9,461	9,461
156	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS	4,945	4,945
157	0607133A	TRACTOR SMOKE	7,569	7,569
158	0607135A	APACHE PRODUCT IMPROVEMENT PROGRAM	69,862	69,862
159	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM	66,653	66,653
160	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM	37,407	37,407
161	0607138A	FIXED WING PRODUCT IMPROVEMENT PROGRAM	1,151	1,151
162	0607139A	IMPROVED TURBINE ENGINE PROGRAM	51,164	51,164
163	0607140A	EMERGING TECHNOLOGIES FROM NIE	2,481	2,481
164	0607141A	LOGISTICS AUTOMATION	1,673	1,673
166	0607665A	FAMILY OF BIOMETRICS	13,237	13,237
167	0607865A	PATRIOT PRODUCT IMPROVEMENT	105,816	105,816
169	0202429A	AEROSTAT JOINT PROJECT—COCOM EXERCISE	40,565	40,565
171	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCs)	35,719	35,719
172	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS	257,167	354,167
		Stryker Lethality Upgrades		[97,000]
173	0203740A	MANEUVER CONTROL SYSTEM	15,445	15,445
175	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	364	364
176	0203758A	DIGITIZATION	4,361	4,361
177	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	3,154	3,154
178	0203802A	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	35,951	35,951
179	0203808A	TRACTOR CARD	34,686	34,686
180	0205402A	INTEGRATED BASE DEFENSE—OPERATIONAL SYSTEM DEV	10,750	10,750
181	0205410A	MATERIALS HANDLING EQUIPMENT	402	402
183	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	64,159	64,159
184	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	17,527	17,527
185	0208053A	JOINT TACTICAL GROUND SYSTEM	20,515	20,515
187	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES	12,368	12,368
188	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM	31,154	31,154
189	0303141A	GLOBAL COMBAT SUPPORT SYSTEM	12,274	12,274

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Line	Program Element	Item	FY 2016 Request	Agreement Authorized
190	0303142A	SATCOM GROUND ENVIRONMENT (SPACE)	9,355	9,355
191	0303150A	WWWCCS/GLOBAL COMMAND AND CONTROL SYSTEM	7,053	7,053
193	0305179A	INTEGRATED BROADCAST SERVICE (IBS)	750	750
194	0305204A	TACTICAL UNMANNED AERIAL VEHICLES	13,225	13,225
195	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS	22,870	22,870
196	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	25,592	25,592
199	0305233A	RQ-7 UAV	7,297	7,297
201	0310349A	WIN-T INCREMENT 2—INITIAL NETWORKING	3,800	3,800
202	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	48,442	48,442
202A	999999999	CLASSIFIED PROGRAMS	4,536	4,536
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	1,129,297	1,226,297
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	6,924,959	7,093,559
		RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY		
		BASIC RESEARCH		
001	0601103N	UNIVERSITY RESEARCH INITIATIVES	116,196	125,196
		Defense University Research Instrumentation Program increase		[9,000]
002	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,126	19,126
003	0601153N	DEFENSE RESEARCH SCIENCES	451,606	479,106
		Basic research program increase		[27,500]
		SUBTOTAL BASIC RESEARCH	586,928	623,428
		APPLIED RESEARCH		
004	0602114N	POWER PROJECTION APPLIED RESEARCH	68,723	68,723
005	0602123N	FORCE PROTECTION APPLIED RESEARCH	154,963	154,963
006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY	49,001	49,001
007	0602235N	COMMON PICTURE APPLIED RESEARCH	42,551	42,551
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	45,056	45,056
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	115,051	115,051
010	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	42,252	62,252
		Service Life Extension for the AGOR Ship		[20,000]
011	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,119	6,119
012	0602747N	UNDERSEA WARFARE APPLIED RESEARCH	123,750	142,350
		Accelerate undersea warfare research		[18,600]
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	179,686	179,686
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	37,418	37,418
		SUBTOTAL APPLIED RESEARCH	864,570	903,170
		ADVANCED TECHNOLOGY DEVELOPMENT		
015	0603114N	POWER PROJECTION ADVANCED TECHNOLOGY	37,093	37,093
016	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY	38,044	38,044
017	0603271N	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	34,899	34,899
018	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	137,562	137,562
019	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	12,745	12,745
020	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT	258,860	258,860
021	0603680N	MANUFACTURING TECHNOLOGY PROGRAM	57,074	57,074
022	0603729N	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	4,807	4,807
023	0603747N	UNDERSEA WARFARE ADVANCED TECHNOLOGY	13,748	13,748
024	0603758N	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	66,041	66,041
025	0603782N	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	1,991	1,991
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	662,864	662,864
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
026	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	41,832	41,832
027	0603216N	AVIATION SURVIVABILITY	5,404	5,404
028	0603237N	DEPLOYABLE JOINT COMMAND AND CONTROL	3,086	3,086
029	0603251N	AIRCRAFT SYSTEMS	11,643	11,643
030	0603254N	ASW SYSTEMS DEVELOPMENT	5,555	5,555
031	0603261N	TACTICAL AIRBORNE RECONNAISSANCE	3,087	3,087
032	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY	1,636	1,636
033	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	118,588	113,588
		LDUUV development growth		[–5,000]
034	0603506N	SURFACE SHIP TORPEDO DEFENSE	77,385	77,385
035	0603512N	CARRIER SYSTEMS DEVELOPMENT	8,348	8,348
036	0603525N	PILOT FISH	123,246	123,246
037	0603527N	RETRACT LARCH	28,819	28,819
038	0603536N	RETRACT JUNIPER	112,678	112,678
039	0603542N	RADIOLOGICAL CONTROL	710	710
040	0603553N	SURFACE ASW	1,096	1,096
041	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	87,160	93,360
		Accelerate unmanned underwater vehicle development		[10,000]
		Universal launch and recovery module unfunded outyear tail		[–3,800]
042	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS	10,371	10,371
043	0603563N	SHIP CONCEPT ADVANCED DESIGN	11,888	11,888
044	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	4,332	4,332
045	0603570N	ADVANCED NUCLEAR POWER SYSTEMS	482,040	482,040
046	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS	25,904	25,904
047	0603576N	CHALK EAGLE	511,802	511,802
048	0603581N	LITTORAL COMBAT SHIP (LCS)	118,416	118,416
049	0603582N	COMBAT SYSTEM INTEGRATION	35,901	35,901
050	0603595N	OHIO REPLACEMENT	971,393	971,393

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Line	Program Element	Item	FY 2016 Request	Agreement Authorized
051	0603596N	LCS MISSION MODULES	206,149	206,149
052	0603597N	AUTOMATED TEST AND RE-TEST (ATRT)	8,000	8,000
053	0603609N	CONVENTIONAL MUNITIONS	7,678	7,678
054	0603611M	MARINE CORPS ASSAULT VEHICLES	219,082	219,082
055	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	623	623
056	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	18,260	18,260
057	0603658N	COOPERATIVE ENGAGEMENT	76,247	76,247
058	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	4,520	4,520
059	0603721N	ENVIRONMENTAL PROTECTION	20,711	20,711
060	0603724N	NAVY ENERGY PROGRAM	47,761	47,761
061	0603725N	FACILITIES IMPROVEMENT	5,226	5,226
062	0603734N	CHALK CORAL	182,771	182,771
063	0603739N	NAVY LOGISTIC PRODUCTIVITY	3,866	3,866
064	0603746N	RETRACT MAPLE	360,065	360,065
065	0603748N	LINK PLUMERIA	237,416	237,416
066	0603751N	RETRACT ELM	37,944	37,944
067	0603764N	LINK EVERGREEN	47,312	47,312
068	0603787N	SPECIAL PROCESSES	17,408	17,408
069	0603790N	NATO RESEARCH AND DEVELOPMENT	9,359	9,359
070	0603795N	LAND ATTACK TECHNOLOGY	887	887
071	0603851M	JOINT NON-LETHAL WEAPONS TESTING	29,448	29,448
072	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/VAL	91,479	91,479
073	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	67,360	67,360
074	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80)	48,105	127,205
		Full ship shock trials for CVN-78		[79,100]
075	0604122N	REMOTE MINEHUNTING SYSTEM (RMS)	20,089	20,089
076	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)	18,969	18,969
077	0604279N	ASE SELF-PROTECTION OPTIMIZATION	7,874	7,874
078	0604292N	MH-XX	5,298	5,298
079	0604454N	LX (R)	46,486	75,486
		LX(R) Acceleration		[29,000]
080	0604653N	JOINT COUNTER RADIO CONTROLLED IED ELECTRONIC WARFARE (JCREW)	3,817	3,817
081	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	9,595	9,595
082	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT	29,581	25,246
		Maritime concept generation and development growth		[-4,335]
083	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	285,849	285,849
084	0605812M	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	36,656	36,656
085	0303354N	ASW SYSTEMS DEVELOPMENT—MIP	9,835	9,835
086	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP	580	580
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	5,024,626	5,129,591
		SYSTEM DEVELOPMENT & DEMONSTRATION		
087	0603208N	TRAINING SYSTEM AIRCRAFT	21,708	21,708
088	0604212N	OTHER HELO DEVELOPMENT	11,101	11,101
089	0604214N	AV-8B AIRCRAFT—ENG DEV	39,878	39,878
090	0604215N	STANDARDS DEVELOPMENT	53,059	53,059
091	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	21,358	21,358
092	0604218N	AIR/OCEAN EQUIPMENT ENGINEERING	4,515	4,515
093	0604221N	P-3 MODERNIZATION PROGRAM	1,514	1,514
094	0604230N	WARFARE SUPPORT SYSTEM	5,875	5,875
095	0604231N	TACTICAL COMMAND SYSTEM	81,553	81,553
096	0604234N	ADVANCED HAWKEYE	272,149	264,149
		Cost growth		[-8,000]
097	0604245N	H-1 UPGRADES	27,235	27,235
098	0604261N	ACOUSTIC SEARCH SENSORS	35,763	35,763
099	0604262N	V-22A	87,918	87,918
100	0604264N	AIR CREW SYSTEMS DEVELOPMENT	12,679	12,679
101	0604269N	EA-18	56,921	56,921
102	0604270N	ELECTRONIC WARFARE DEVELOPMENT	23,685	23,685
103	0604273N	EXECUTIVE HELO DEVELOPMENT	507,093	507,093
104	0604274N	NEXT GENERATION JAMMER (NGJ)	411,767	403,767
		Contract delays		[-8,000]
105	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY)	25,071	25,071
106	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	443,433	421,133
		Aegis development support growth		[-22,300]
107	0604311N	LPD-17 CLASS SYSTEMS INTEGRATION	747	747
108	0604329N	SMALL DIAMETER BOMB (SDB)	97,002	84,644
		F-18 integration contract delay		[-12,358]
109	0604366N	STANDARD MISSILE IMPROVEMENTS	129,649	129,649
110	0604373N	AIRBORNE MCM	11,647	11,647
111	0604376M	MARINE AIR GROUND TASK FORCE (MAGTF) ELECTRONIC WARFARE (EW) FOR AVIATION.	2,778	2,778
112	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENGINEERING	23,695	23,695
113	0604404N	UNMANNED CARRIER LAUNCHED AIRBORNE SURVEILLANCE AND STRIKE (UCLASS) SYSTEM.	134,708	484,708
		Competitive air vehicle risk reduction activities		[300,000]
		Government and industry source selection preparation		[50,000]
114	0604501N	ADVANCED ABOVE WATER SENSORS	43,914	43,914
115	0604503N	SSN-688 AND TRIDENT MODERNIZATION	109,908	109,908
116	0604504N	AIR CONTROL	57,928	57,928
117	0604512N	SHIPBOARD AVIATION SYSTEMS	120,217	120,217

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Line	Program Element	Item	FY 2016 Request	Agreement Authorized
118	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	241,754	241,754
119	0604558N	NEW DESIGN SSN	122,556	122,556
120	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM	48,213	60,213
		Accelerate submarine combat and weapon system modernization		[12,000]
121	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E	49,712	49,712
122	0604574N	NAVY TACTICAL COMPUTER RESOURCES	4,096	4,096
123	0604580N	VIRGINIA PAYLOAD MODULE (VPM)	167,719	167,719
124	0604601N	MINE DEVELOPMENT	15,122	15,122
125	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT	33,738	33,738
126	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	8,123	8,123
127	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	7,686	7,686
128	0604727N	JOINT STANDOFF WEAPON SYSTEMS	405	405
129	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL)	153,836	153,836
130	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	99,619	99,619
131	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	116,798	116,798
132	0604761N	INTELLIGENCE ENGINEERING	4,353	4,353
133	0604771N	MEDICAL DEVELOPMENT	9,443	9,443
134	0604777N	NAVIGATION/ID SYSTEM	32,469	32,469
135	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD	537,901	537,901
136	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD	504,736	504,736
137	0604810M	JOINT STRIKE FIGHTER FOLLOW ON DEVELOPMENT—MARINE CORPS	59,265	20,800
		Program delay		[–38,465]
138	0604810N	JOINT STRIKE FIGHTER FOLLOW ON DEVELOPMENT—NAVY	47,579	21,244
		Program delay		[–26,335]
139	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT	5,914	5,914
140	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT	89,711	89,711
141	0605212N	CH–53K RDTE	632,092	632,092
142	0605220N	SHIP TO SHORE CONNECTOR (SSC)	7,778	7,778
143	0605450N	JOINT AIR-TO-GROUND MISSILE (JAGM)	25,898	25,898
144	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA)	247,929	247,929
145	0204202N	DDG–1000	103,199	103,199
146	0304231N	TACTICAL COMMAND SYSTEM—MIP	998	998
147	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS	17,785	17,785
148	0305124N	SPECIAL APPLICATIONS PROGRAM	35,905	35,905
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	6,308,800	6,555,342
MANAGEMENT SUPPORT				
149	0604256N	THREAT SIMULATOR DEVELOPMENT	30,769	30,769
150	0604258N	TARGET SYSTEMS DEVELOPMENT	112,606	112,606
151	0604759N	MAJOR T&E INVESTMENT	61,234	61,234
152	0605126N	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	6,995	6,995
153	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY	4,011	4,011
154	0605154N	CENTER FOR NAVAL ANALYSES	48,563	48,563
155	0605285N	NEXT GENERATION FIGHTER	5,000	5,000
157	0605804N	TECHNICAL INFORMATION SERVICES	925	925
158	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	78,143	78,143
159	0605856N	STRATEGIC TECHNICAL SUPPORT	3,258	3,258
160	0605861N	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT	76,948	76,948
161	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT	132,122	132,122
162	0605864N	TEST AND EVALUATION SUPPORT	351,912	351,912
163	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY	17,985	17,985
164	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	5,316	5,316
165	0605867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	6,519	6,519
166	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT	13,649	13,649
		SUBTOTAL MANAGEMENT SUPPORT	955,955	955,955
OPERATIONAL SYSTEMS DEVELOPMENT				
174	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	107,039	107,039
175	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM	46,506	46,506
176	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	3,900	4,700
		Accelerate combat rapid attack weapon		[800]
177	0101402N	NAVY STRATEGIC COMMUNICATIONS	16,569	16,569
178	0203761N	RAPID TECHNOLOGY TRANSITION (RTT)	18,632	11,132
		TIPS program growth		[–7,500]
179	0204136N	F/A–18 SQUADRONS	133,265	133,265
181	0204163N	FLEET TELECOMMUNICATIONS (TACTICAL)	62,867	51,067
		Joint aerial layer network growth		[–11,800]
182	0204228N	SURFACE SUPPORT	36,045	36,045
183	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	25,228	25,228
184	0204311N	INTEGRATED SURVEILLANCE SYSTEM	54,218	54,218
185	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT)	11,335	11,335
186	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	80,129	65,629
		Block II test assets early to need		[–14,500]
187	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	39,087	39,087
188	0204574N	CRYPTOLOGIC DIRECT SUPPORT	1,915	1,915
189	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT	46,609	46,609
190	0205601N	HARM IMPROVEMENT	52,708	16,164
		AARGM extended range program growth		[–36,544]
191	0205604N	TACTICAL DATA LINKS	149,997	149,997
192	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION	24,460	24,460
193	0205632N	MK–48 ADCAP	42,206	47,706
		Accelerate torpedo upgrades		[5,500]

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194	0205633N	AVIATION IMPROVEMENTS	117,759	117,759
195	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS	101,323	101,323
196	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS	67,763	67,763
197	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S)	13,431	13,431
198	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	56,769	48,669
		Project delays		[-8,100]
199	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT	20,729	20,729
200	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	13,152	13,152
201	0206629M	AMPHIBIOUS ASSAULT VEHICLE	48,535	48,535
202	0207161N	TACTICAL AIM MISSILES	76,016	76,016
203	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	32,172	32,172
208	0303109N	SATELLITE COMMUNICATIONS (SPACE)	53,239	53,239
209	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES)	21,677	21,677
210	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM	28,102	28,102
211	0303150M	WWWCCS/GLOBAL COMMAND AND CONTROL SYSTEM	294	294
213	0305160N	NAVY METEOROLOGICAL AND OCEAN SENSORS-SPACE (METOC)	599	599
214	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES	6,207	6,207
215	0305204N	TACTICAL UNMANNED AERIAL VEHICLES	8,550	8,550
216	0305205N	UAS INTEGRATION AND INTEROPERABILITY	41,831	41,831
217	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	1,105	1,105
218	0305208N	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	33,149	33,149
219	0305220N	RQ-4 UAV	227,188	227,188
220	0305231N	MQ-8 UAV	52,770	52,770
221	0305232M	RQ-11 UAV	635	635
222	0305233N	RQ-7 UAV	688	688
223	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASL0)	4,647	4,647
224	0305239M	RQ-21A	6,435	6,435
225	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	49,145	49,145
226	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	9,246	9,246
227	0305421N	RQ-4 MODERNIZATION	150,854	150,854
228	0308601N	MODELING AND SIMULATION SUPPORT	4,757	4,757
229	0702207N	DEPOT MAINTENANCE (NON-IF)	24,185	24,185
231	0708730N	MARITIME TECHNOLOGY (MARITECH)	4,321	4,321
231A	9999999999	CLASSIFIED PROGRAMS	1,252,185	1,252,185
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	3,482,173	3,410,029
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	17,885,916	18,240,379
		RESEARCH, DEVELOPMENT, TEST & EVAL, AF		
		BASIC RESEARCH		
001	0601102F	DEFENSE RESEARCH SCIENCES	329,721	352,221
		Basic research program increase		[22,500]
002	0601103F	UNIVERSITY RESEARCH INITIATIVES	141,754	141,754
003	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES	13,778	13,778
		SUBTOTAL BASIC RESEARCH	485,253	507,753
		APPLIED RESEARCH		
004	0602102F	MATERIALS	125,234	125,234
005	0602201F	AEROSPACE VEHICLE TECHNOLOGIES	123,438	123,438
006	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH	100,530	100,530
007	0602203F	AEROSPACE PROPULSION	182,326	182,326
008	0602204F	AEROSPACE SENSORS	147,291	147,291
009	0602601F	SPACE TECHNOLOGY	116,122	116,122
010	0602602F	CONVENTIONAL MUNITIONS	99,851	99,851
011	0602605F	DIRECTED ENERGY TECHNOLOGY	115,604	115,604
012	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS	164,909	164,909
013	0602890F	HIGH ENERGY LASER RESEARCH	42,037	42,037
		SUBTOTAL APPLIED RESEARCH	1,217,342	1,217,342
		ADVANCED TECHNOLOGY DEVELOPMENT		
014	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS	37,665	47,665
		Metals Affordability Initiative		[10,000]
015	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	18,378	18,378
016	0603203F	ADVANCED AEROSPACE SENSORS	42,183	42,183
017	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO	100,733	100,733
018	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY	168,821	168,821
019	0603270F	ELECTRONIC COMBAT TECHNOLOGY	47,032	47,032
020	0603401F	ADVANCED SPACECRAFT TECHNOLOGY	54,897	54,897
021	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	12,853	12,853
022	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT	25,448	25,448
023	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY	48,536	48,536
024	0603605F	ADVANCED WEAPONS TECHNOLOGY	30,195	30,195
025	0603680F	MANUFACTURING TECHNOLOGY PROGRAM	42,630	52,630
		Maturation of advanced manufacturing for low-cost sustainment		[10,000]
026	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION	46,414	46,414
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	675,785	695,785
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
027	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT	5,032	5,032
029	0603438F	SPACE CONTROL TECHNOLOGY	4,070	4,070
030	0603742F	COMBAT IDENTIFICATION TECHNOLOGY	21,790	21,790
031	0603790F	NATO RESEARCH AND DEVELOPMENT	4,736	4,736

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Line	Program Element	Item	FY 2016 Request	Agreement Authorized
033	0603830F	SPACE SECURITY AND DEFENSE PROGRAM	30,771	30,771
034	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL	39,765	39,765
036	0604015F	LONG RANGE STRIKE	1,246,228	556,228
		Delayed EMD contract award		[-690,000]
037	0604317F	TECHNOLOGY TRANSFER	3,512	8,512
		Technology transfer program increase		[5,000]
038	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM	54,637	54,637
040	0604422F	WEATHER SYSTEM FOLLOW-ON	76,108	51,108
		Unjustified increase and analysis of alternatives		[-25,000]
044	0604857F	OPERATIONALLY RESPONSIVE SPACE	6,457	19,957
		SSA, Weather, or Launch Activities		[13,500]
045	0604858F	TECH TRANSITION PROGRAM	246,514	246,514
046	0605230F	GROUND BASED STRATEGIC DETERRENT	75,166	75,166
049	0207110F	NEXT GENERATION AIR DOMINANCE	8,830	8,830
050	0207455F	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR)	14,939	14,939
051	0305164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	142,288	142,288
052	0306250F	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	81,732	96,732
		Increase USCC Cyber Operations Technology Development		[15,000]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	2,062,575	1,381,075
		SYSTEM DEVELOPMENT & DEMONSTRATION		
055	0604270F	ELECTRONIC WARFARE DEVELOPMENT	929	929
056	0604281F	TACTICAL DATA NETWORKS ENTERPRISE	60,256	60,256
057	0604287F	PHYSICAL SECURITY EQUIPMENT	5,973	5,973
058	0604329F	SMALL DIAMETER BOMB (SDB)—EMD	32,624	32,624
059	0604421F	COUNTERSPACE SYSTEMS	24,208	24,208
060	0604425F	SPACE SITUATION AWARENESS SYSTEMS	32,374	32,374
061	0604426F	SPACE FENCE	243,909	243,909
062	0604429F	AIRBORNE ELECTRONIC ATTACK	8,358	8,358
063	0604441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	292,235	292,235
064	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT	40,154	40,154
065	0604604F	SUBMUNITIONS	2,506	2,506
066	0604617F	AGILE COMBAT SUPPORT	57,678	57,678
067	0604706F	LIFE SUPPORT SYSTEMS	8,187	8,187
068	0604735F	COMBAT TRAINING RANGES	15,795	15,795
069	0604800F	F-35—EMD	589,441	589,441
071	0604853F	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)—EMD	84,438	184,438
		EELV Program—Rocket Propulsion System Development		[100,000]
072	0604932F	LONG RANGE STANDOFF WEAPON	36,643	16,143
		Contract delay		[-20,500]
073	0604933F	ICBM FUZE MODERNIZATION	142,551	142,551
074	0605213F	F-22 MODERNIZATION INCREMENT 3.2B	140,640	140,640
075	0605214F	GROUND ATTACK WEAPONS FUZE DEVELOPMENT	3,598	3,598
076	0605221F	KC-46	602,364	402,364
		Program decrease		[-200,000]
077	0605223F	ADVANCED PILOT TRAINING	11,395	11,395
078	0605229F	CSAR HH-60 RECAPITALIZATION	156,085	156,085
080	0605431F	ADVANCED EHF MILSATCOM (SPACE)	228,230	228,230
081	0605432F	POLAR MILSATCOM (SPACE)	72,084	72,084
082	0605433F	WIDEBAND GLOBAL SATCOM (SPACE)	56,343	52,343
		Excess to need		[-4,000]
083	0605458F	AIR & SPACE OPS CENTER 10.2 RDT&E	47,629	47,629
084	0605931F	B-2 DEFENSIVE MANAGEMENT SYSTEM	271,961	271,961
085	0101125F	NUCLEAR WEAPONS MODERNIZATION	212,121	212,121
086	0207171F	F-15 EPAWSS	186,481	186,481
087	0207701F	FULL COMBAT MISSION TRAINING	18,082	18,082
088	0305176F	COMBAT SURVIVOR EVADER LOCATOR	993	993
089	0307581F	NEXTGEN JSTARS	44,343	44,343
091	0401319F	PRESIDENTIAL AIRCRAFT REPLACEMENT (PAR)	102,620	102,620
092	0701212F	AUTOMATED TEST SYSTEMS	14,563	14,563
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	3,847,791	3,723,291
		MANAGEMENT SUPPORT		
093	0604256F	THREAT SIMULATOR DEVELOPMENT	23,844	23,844
094	0604759F	MAJOR T&E INVESTMENT	68,302	73,302
		Airborne Sensor Data Correlation Project		[5,000]
095	0605101F	RAND PROJECT AIR FORCE	34,918	34,918
097	0605712F	INITIAL OPERATIONAL TEST & EVALUATION	10,476	10,476
098	0605807F	TEST AND EVALUATION SUPPORT	673,908	673,908
099	0605860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	21,858	21,858
100	0605864F	SPACE TEST PROGRAM (STP)	28,228	28,228
101	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT	40,518	40,518
102	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	27,895	27,895
103	0606017F	REQUIREMENTS ANALYSIS AND MATURATION	16,507	16,507
104	0606116F	SPACE TEST AND TRAINING RANGE DEVELOPMENT	18,997	18,997
106	0606392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE	185,305	176,727
		Excess to need		[-8,578]
107	0308602F	ENTERPRISE INFORMATION SERVICES (EIS)	4,841	4,841
108	0702806F	ACQUISITION AND MANAGEMENT SUPPORT	15,357	15,357
109	0804731F	GENERAL SKILL TRAINING	1,315	1,315
111	1001004F	INTERNATIONAL ACTIVITIES	2,315	2,315
		SUBTOTAL MANAGEMENT SUPPORT	1,174,584	1,171,006

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Line	Program Element	Item	FY 2016 Request	Agreement Authorized
OPERATIONAL SYSTEMS DEVELOPMENT				
112	0603423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT	350,232	350,232
113	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	10,465	10,465
114	0604445F	WIDE AREA SURVEILLANCE	24,577	24,577
117	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS)	69,694	10,694
		Forward financing, excluding funding for audit readiness		[-59,000]
118	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	26,718	26,718
119	0605278F	HC/MC-130 RECAP RDT&E	10,807	10,807
121	0101113F	B-52 SQUADRONS	74,520	74,520
122	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM)	451	451
123	0101126F	B-1B SQUADRONS	2,245	2,245
124	0101127F	B-2 SQUADRONS	108,183	108,183
125	0101213F	MINUTEMAN SQUADRONS	178,929	178,929
126	0101313F	STRAT WAR PLANNING SYSTEM—USSTRATCOM	28,481	28,481
127	0101314F	NIGHT FIST—USSTRATCOM	87	87
128	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	5,315	5,315
131	0105921F	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES	8,090	8,090
132	0205219F	MQ-9 UAV	123,439	123,439
134	0207131F	A-10 SQUADRONS		16,200
		A-10 restoration: operational flight program development		[16,200]
135	0207133F	F-16 SQUADRONS	148,297	198,297
		AESA Radar Integration		[50,000]
136	0207134F	F-15E SQUADRONS	179,283	192,079
		Transfer from procurement		[12,796]
137	0207136F	MANNED DESTRUCTIVE SUPPRESSION	14,860	14,860
138	0207138F	F-22A SQUADRONS	262,552	262,552
139	0207142F	F-35 SQUADRONS	115,395	53,921
		Program delay		[-61,474]
140	0207161F	TACTICAL AIM MISSILES	43,360	43,360
141	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	46,160	46,160
143	0207224F	COMBAT RESCUE AND RECOVERY	412	412
144	0207227F	COMBAT RESCUE—PARARESCUE	657	657
145	0207247F	AF TENCAP	31,428	31,428
146	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT	1,105	1,105
147	0207253F	COMPASS CALL	14,249	14,249
148	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	103,942	103,942
149	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	12,793	12,793
150	0207410F	AIR & SPACE OPERATIONS CENTER (AOC)	21,193	21,193
151	0207412F	CONTROL AND REPORTING CENTER (CRC)	559	559
152	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	161,812	161,812
153	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS	6,001	6,001
155	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	7,793	7,793
156	0207444F	TACTICAL AIR CONTROL PARTY-MOD	12,465	12,465
157	0207448F	C2ISR TACTICAL DATA LINK	1,681	1,681
159	0207452F	DCAPES	16,796	16,796
161	0207590F	SEEK EAGLE	21,564	21,564
162	0207601F	USAF MODELING AND SIMULATION	24,994	24,994
163	0207605F	WARGAMING AND SIMULATION CENTERS	6,035	6,035
164	0207697F	DISTRIBUTED TRAINING AND EXERCISES	4,358	4,358
165	0208006F	MISSION PLANNING SYSTEMS	55,835	55,835
167	0208087F	AF OFFENSIVE CYBERSPACE OPERATIONS	12,874	12,874
168	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS	7,681	7,681
171	0301017F	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	5,974	5,974
177	0301400F	SPACE SUPERIORITY INTELLIGENCE	13,815	13,815
178	0302015F	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	80,360	80,360
179	0303001F	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	3,907	3,907
180	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	75,062	75,062
181	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM	46,599	46,599
183	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE	2,470	2,470
186	0304260F	AIRBORNE SIGINT ENTERPRISE	112,775	112,775
189	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,235	4,235
192	0305110F	SATELLITE CONTROL NETWORK (SPACE)	7,879	5,879
		Unjustified increase in systems engineering		[-2,000]
193	0305111F	WEATHER SERVICE	29,955	29,955
194	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALS)	21,485	21,485
195	0305116F	AERIAL TARGETS	2,515	2,515
198	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES	472	472
199	0305145F	ARMS CONTROL IMPLEMENTATION	12,137	12,137
200	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	361	361
203	0305173F	SPACE AND MISSILE TEST AND EVALUATION CENTER	3,162	3,162
204	0305174F	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT	1,543	1,543
205	0305179F	INTEGRATED BROADCAST SERVICE (IBS)	7,860	7,860
206	0305182F	SPACELIFT RANGE SYSTEM (SPACE)	6,902	6,902
207	0305202F	DRAGON U-2	34,471	34,471
209	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS	50,154	60,154
		Wide Area Surveillance Capability		[10,000]
210	0305207F	MANNED RECONNAISSANCE SYSTEMS	13,245	13,245
211	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	22,784	22,784
212	0305219F	MQ-1 PREDATOR A UAV	716	716
213	0305220F	RQ-4 UAV	208,053	203,053
		Program delays		[-5,000]

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214	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING	21,587	21,587
215	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	43,986	43,986
216	0305238F	NATO AGS	197,486	138,400
		Transfer to Procurement for NATO AWACS		[-59,086]
217	0305240F	SUPPORT TO DCGS ENTERPRISE	28,434	28,434
218	0305265F	GPS III SPACE SEGMENT	180,902	180,902
220	0305614F	JSPOC MISSION SYSTEM	81,911	81,911
221	0305881F	RAPID CYBER ACQUISITION	3,149	3,149
222	0305913F	NUDET DETECTION SYSTEM (SPACE)	14,447	14,447
223	0305940F	SPACE SITUATION AWARENESS OPERATIONS	20,077	20,077
225	0308699F	SHARED EARLY WARNING (SEW)	853	853
226	0401115F	C-130 AIRLIFT SQUADRON	33,962	33,962
227	0401119F	C-5 AIRLIFT SQUADRONS (IF)	42,864	22,864
		Forward financing		[-20,000]
228	0401130F	C-17 AIRCRAFT (IF)	54,807	54,807
229	0401132F	C-130J PROGRAM	31,010	31,010
230	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCIM)	6,802	6,802
231	0401219F	KC-10S	1,799	1,799
232	0401314F	OPERATIONAL SUPPORT AIRLIFT	48,453	48,453
233	0401318F	CV-22	36,576	36,576
235	0408011F	SPECIAL TACTICS / COMBAT CONTROL	7,963	7,963
236	0702207F	DEPOT MAINTENANCE (NON-IF)	1,525	1,525
237	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	112,676	68,400
		Program growth		[-44,276]
238	0708611F	SUPPORT SYSTEMS DEVELOPMENT	12,657	12,657
239	0804743F	OTHER FLIGHT TRAINING	1,836	1,836
240	0808716F	OTHER PERSONNEL ACTIVITIES	121	121
241	0901202F	JOINT PERSONNEL RECOVERY AGENCY	5,911	5,911
242	0901218F	CIVILIAN COMPENSATION PROGRAM	3,604	3,604
243	0901220F	PERSONNEL ADMINISTRATION	4,598	4,598
244	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,103	1,103
246	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT	101,840	101,840
246A	9999999999	CLASSIFIED PROGRAMS	12,780,142	12,780,142
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT	17,010,339	16,848,499
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF	26,473,669	25,544,751
		RESEARCH, DEVELOPMENT, TEST & EVAL, DW		
		BASIC RESEARCH		
001	0601000BR	DTRA BASIC RESEARCH INITIATIVE	38,436	38,436
002	0601101E	DEFENSE RESEARCH SCIENCES	333,119	333,119
003	0601110D8Z	BASIC RESEARCH INITIATIVES	42,022	42,022
004	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	56,544	56,544
005	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM	49,453	54,453
		STEM program increase		[5,000]
006	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS	25,834	35,834
		Program increase		[10,000]
007	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	46,261	46,261
		SUBTOTAL BASIC RESEARCH	591,669	606,669
		APPLIED RESEARCH		
008	0602000D8Z	JOINT MUNITIONS TECHNOLOGY	19,352	19,352
009	0602115E	BIOMEDICAL TECHNOLOGY	114,262	114,262
010	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM	51,026	51,026
011	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES	48,226	48,226
012	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY	356,358	356,358
014	0602383E	BIOLOGICAL WARFARE DEFENSE	29,265	29,265
015	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	208,111	208,111
016	0602668D8Z	CYBER SECURITY RESEARCH	13,727	13,727
018	0602702E	TACTICAL TECHNOLOGY	314,582	309,582
		Multi-azimuth defense fast intercept round engagement system		[-5,000]
019	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY	220,115	201,721
		Program decrease		[-18,394]
020	0602716E	ELECTRONICS TECHNOLOGY	174,798	174,798
021	0602718BR	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES	155,415	155,415
022	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH	8,824	8,824
023	1160401BB	SOF TECHNOLOGY DEVELOPMENT	37,517	37,517
		SUBTOTAL APPLIED RESEARCH	1,751,578	1,728,184
		ADVANCED TECHNOLOGY DEVELOPMENT		
024	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY	25,915	25,915
026	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT	71,171	111,171
		Program increase		[40,000]
027	0603133D8Z	FOREIGN COMPARATIVE TESTING	21,782	21,782
028	0603160BR	COUNTERPROLIFERATION INITIATIVES—PROLIFERATION PREVENTION AND DEFEAT	290,654	290,654
030	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	12,139	12,139
031	0603177C	DISCRIMINATION SENSOR TECHNOLOGY	28,200	28,200
032	0603178C	WEAPONS TECHNOLOGY	45,389	7,367
		High Power Directed Energy—Missile Destruct		[-26,055]
		Move to support Multiple Object Kill Vehicle		[-11,967]
033	0603179C	ADVANCED C4ISR	9,876	9,876
034	0603180C	ADVANCED RESEARCH	17,364	17,364

**“SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
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Line	Program Element	Item	FY 2016 Request	Agreement Authorized
035	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,802	18,802
036	0603264S	AGILE TRANSPORTATION FOR THE 21ST CENTURY (AT21)—THEATER CAPABILITY	2,679	2,679
037	0603274C	SPECIAL PROGRAM—MDA TECHNOLOGY	64,708	51,458
		Unjustified growth		[–13,250]
038	0603286E	ADVANCED AEROSPACE SYSTEMS	185,043	185,043
039	0603287E	SPACE PROGRAMS AND TECHNOLOGY	126,692	126,692
040	0603288D8Z	ANALYTIC ASSESSMENTS	14,645	14,645
041	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	59,830	49,830
		Program decrease		[–10,000]
042	0603294C	COMMON KILL VEHICLE TECHNOLOGY	46,753	7,195
		MOKV Concept Development		[–39,558]
043	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT	140,094	140,094
044	0603527D8Z	RETRACT LARCH	118,666	108,666
		Program decrease		[–10,000]
045	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY	43,966	23,966
		Program decrease		[–20,000]
046	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	141,540	116,540
		Program decrease		[–25,000]
047	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES	6,980	6,980
050	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM	157,056	142,056
		Unjustified growth		[–15,000]
051	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT	33,515	41,015
		Efforts to counter-ISIL and Russian aggression		[7,500]
052	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	16,543	16,543
053	0603713S	DEPLOYMENT AND DISTRIBUTION ENTERPRISE TECHNOLOGY	29,888	29,888
054	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	65,836	65,836
055	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT	79,037	89,037
		Trusted Source Implementation for Field Programmable Gate Arrays Study		[10,000]
056	0603727D8Z	JOINT WARFIGHTING PROGRAM	9,626	5,000
		Program decrease		[–4,626]
057	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES	79,021	79,021
058	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	201,335	201,335
059	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY	452,861	432,861
		Excessive program growth		[–20,000]
060	0603767E	SENSOR TECHNOLOGY	257,127	257,127
061	0603769SE	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	10,771	10,771
062	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE	15,202	15,202
063	0603826D8Z	QUICK REACTION SPECIAL PROJECTS	90,500	65,500
		Unjustified growth		[–25,000]
066	0603833D8Z	ENGINEERING SCIENCE & TECHNOLOGY	18,377	18,377
067	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY	82,589	82,589
068	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	37,420	37,420
069	0303310D8Z	CWMD SYSTEMS	42,488	42,488
070	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT	57,741	57,741
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	3,229,821	3,066,865
		ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES		
071	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P	31,710	31,710
073	0603600D8Z	WALKOFF	90,567	90,567
074	0603714D8Z	ADVANCED SENSORS APPLICATION PROGRAM	15,900	15,900
075	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	52,758	52,758
076	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	228,021	228,021
077	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	1,284,891	1,284,891
077A	0603XXXX	MULTIPLE-OBJECT KILL VEHICLE		81,525
		Divert attitude control systems technology to support Multi-Object Kill Vehicle		[10,000]
		Establish MOKV Program of Record		[71,525]
078	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL	172,754	172,754
079	0603884C	BALLISTIC MISSILE DEFENSE SENSORS	233,588	233,588
080	0603890C	BMD ENABLING PROGRAMS	409,088	409,088
080A	0603XXXX	WEAPONS TECHNOLOGY—HIGH POWER DE		26,055
		High Power Directed Energy—Missile Destruct		[26,055]
081	0603891C	SPECIAL PROGRAMS—MDA	400,387	400,387
082	0603892C	AEGIS BMD	843,355	843,355
083	0603893C	SPACE TRACKING & SURVEILLANCE SYSTEM	31,632	31,632
084	0603895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	23,289	23,289
085	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	450,085	437,785
		Future Spirals concurrency with multiple ongoing efforts and excess growth		[–12,300]
086	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	49,570	49,570
087	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC)	49,211	49,211
088	0603906C	REGARDING TRENCH	9,583	9,583
089	0603907C	SEA BASED X-BAND RADAR (SBX)	72,866	72,866
090	0603913C	ISRAELI COOPERATIVE PROGRAMS	102,795	267,595
		Arrow 3		[19,500]
		Arrow System Improvement Program		[45,500]
		David's Sling		[99,800]
091	0603914C	BALLISTIC MISSILE DEFENSE TEST	274,323	274,323
092	0603915C	BALLISTIC MISSILE DEFENSE TARGETS	513,256	513,256
093	0603920D8Z	HUMANITARIAN DEMINING	10,129	10,129
094	0603923D8Z	COALITION WARFARE	10,350	10,350
095	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM	1,518	11,518
		Program Increase		[10,000]

**“SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
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Line	Program Element	Item	FY 2016 Request	Agreement Authorized
096	0604115C	TECHNOLOGY MATURATION INITIATIVES	96,300	96,300
097	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES	469,798	469,798
098	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT.	3,129	3,129
103	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	25,200	25,200
105	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR)	137,564	137,564
106	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS	278,944	298,944
		Redesigned kill vehicle development		[20,000]
107	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST	26,225	26,225
108	0604878C	AEGIS BMD TEST	55,148	55,148
109	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST	86,764	86,764
110	0604880C	LAND-BASED SM-3 (LBSM3)	34,970	34,970
111	0604881C	AEGIS SM-3 BLOCK IIA CO-DEVELOPMENT	172,645	172,645
112	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST	64,618	64,618
114	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	2,660	2,660
115	0305103C	CYBER SECURITY INITIATIVE	963	963
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES	6,816,554	7,106,634
		SYSTEM DEVELOPMENT AND DEMONSTRATION		
116	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD	8,800	8,800
117	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	78,817	88,817
		Concept development by the Army of a CPGS option		[5,000]
		Concept development by the Navy of a CPGS option		[5,000]
118	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD	303,647	303,647
119	0604764K	ADVANCED IT SERVICES JOINT PROGRAM OFFICE (AITS-JPO)	23,424	23,424
120	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	14,285	14,285
121	0605000BR	WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES	7,156	7,156
122	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT	12,542	42
		DCMA program decrease		[-12,500]
123	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE	191	191
124	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM	3,273	3,273
125	0605027D8Z	OUS(D) IT DEVELOPMENT INITIATIVES	5,962	5,962
126	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION	13,412	13,412
127	0605075D8Z	DCMO POLICY AND INTEGRATION	2,223	2,223
128	0605080S	DEFENSE AGENCY INTIATIVES (DAI)—FINANCIAL SYSTEM	31,660	31,660
129	0605090S	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)	13,085	13,085
130	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES	7,209	7,209
131	0303141K	GLOBAL COMBAT SUPPORT SYSTEM	15,158	13,794
		Early to need		[-1,364]
132	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)	4,414	4,414
		SUBTOTAL SYSTEM DEVELOPMENT AND DEMONSTRATION	545,258	541,394
		MANAGEMENT SUPPORT		
133	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS)	5,581	5,581
134	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	3,081	3,081
135	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP)	229,125	229,125
136	0604942D8Z	ASSESSMENTS AND EVALUATIONS	28,674	21,674
		Program decrease		[-7,000]
138	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	45,235	45,235
139	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	24,936	24,936
141	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO)	35,471	35,471
144	0605142D8Z	SYSTEMS ENGINEERING	37,655	37,655
145	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD	3,015	3,015
146	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY	5,287	5,287
147	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	5,289	5,289
148	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE)	2,120	2,120
149	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	102,264	102,264
158	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER.	2,169	2,169
159	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS	13,960	13,960
160	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	51,775	51,775
161	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION	9,533	9,533
162	0605804D8Z	DEVELOPMENT TEST AND EVALUATION	17,371	21,371
		Program increase		[4,000]
163	0605898E	MANAGEMENT HQ—R&D	71,571	71,571
164	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS	4,123	4,123
165	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)	1,946	1,946
166	0204571J	JOINT STAFF ANALYTICAL SUPPORT	7,673	7,673
169	0303166J	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	10,413	10,413
170	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO)	971	971
171	0305193D8Z	CYBER INTELLIGENCE	6,579	6,579
173	0804767D8Z	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—MHA	43,811	43,811
174	0901598C	MANAGEMENT HQ—MDA	35,871	35,871
176	0903230D8W	WHS—MISSION OPERATIONS SUPPORT—IT	1,072	1,072
177A	9999999999	CLASSIFIED PROGRAMS	49,500	49,500
		SUBTOTAL MANAGEMENT SUPPORT	856,071	853,071
		OPERATIONAL SYSTEM DEVELOPMENT		
178	0604130V	ENTERPRISE SECURITY SYSTEM (ESS)	7,929	7,929
179	0605127T	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA.	1,750	1,750

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Line	Program Element	Item	FY 2016 Request	Agreement Authorized
180	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHASIS)	294	294
181	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	22,576	22,576
182	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT	1,901	1,901
183	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS)	8,474	8,474
184	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT)	33,561	33,561
186	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS)	3,061	3,061
187	0208045K	C4I INTEROPERABILITY	64,921	64,921
189	0301144K	JOINT/ALLIED COALITION INFORMATION SHARING	3,645	3,645
193	0302016K	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT	963	963
194	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION	10,186	10,186
195	0303126K	LONG-HAUL COMMUNICATIONS—DCS	36,883	36,883
196	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	13,735	13,735
197	0303135G	PUBLIC KEY INFRASTRUCTURE (PKI)	6,101	6,101
198	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI)	43,867	43,867
199	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM	8,957	8,957
200	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM	146,890	146,890
201	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM	21,503	21,503
202	0303153K	DEFENSE SPECTRUM ORGANIZATION	20,342	20,342
203	0303170K	NET-CENTRIC ENTERPRISE SERVICES (NCES)	444	444
205	0303610K	TELEPORT PROGRAM	1,736	1,736
206	0304210BB	SPECIAL APPLICATIONS FOR CONTINGENCIES	65,060	65,060
210	0305103K	CYBER SECURITY INITIATIVE	2,976	2,976
215	0305186D8Z	POLICY R&D PROGRAMS	4,182	4,182
216	0305199D8Z	NET CENTRICITY	18,130	18,130
218	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	5,302	5,302
221	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	3,239	3,239
225	0305327V	INSIDER THREAT	11,733	11,733
226	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	2,119	2,119
234	0708011S	INDUSTRIAL PREPAREDNESS	24,605	19,245
		DLA Uniform Research		[-5,360]
235	0708012S	LOGISTICS SUPPORT ACTIVITIES	1,770	1,770
236	0902298J	MANAGEMENT HQ—OJCS	2,978	2,978
237	1105219BB	MQ-9 UAV	18,151	23,151
		Medium Altitude Long Endurance Tactical (MALET) MQ-9 Unmanned Aerial Vehicle		[5,000]
238	1105232BB	RQ-11 UAV	758	758
240	1160403BB	AVIATION SYSTEMS	173,934	189,134
		MC-130 Terrain Following/Terrain Avoidance Radar Program		[15,200]
241	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT	6,866	6,866
242	1160408BB	OPERATIONAL ENHANCEMENTS	63,008	63,008
243	1160431BB	WARRIOR SYSTEMS	25,342	25,342
244	1160432BB	SPECIAL PROGRAMS	3,401	3,401
245	1160480BB	SOF TACTICAL VEHICLES	3,212	3,212
246	1160483BB	MARITIME SYSTEMS	63,597	63,597
247	1160489BB	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	3,933	3,933
248	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE	10,623	10,623
248A	9999999999	CLASSIFIED PROGRAMS	3,564,272	3,564,272
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT	4,538,910	4,553,750
		UNDISTRIBUTED		
249	XXXXXXX	DEFENSE WIDE CYBER VULNERABILITY ASSESSMENT		200,000
		Assess all major weapon systems for cyber vulnerability		[200,000]
251	XXXXXXX	TECHNOLOGY OFFSET INITIATIVE		300,000
		Supports innovative technology development		[300,000]
		SUBTOTAL UNDISTRIBUTED		500,000
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	18,329,861	18,956,567
		OPERATIONAL TEST & EVAL, DEFENSE MANAGEMENT SUPPORT		
001	0605118OTE	OPERATIONAL TEST AND EVALUATION	76,838	76,838
002	0605131OTE	LIVE FIRE TEST AND EVALUATION	46,882	46,882
003	0605814OTE	OPERATIONAL TEST ACTIVITIES AND ANALYSES	46,838	46,838
		SUBTOTAL MANAGEMENT SUPPORT	170,558	170,558
		TOTAL OPERATIONAL TEST & EVAL, DEFENSE	170,558	170,558
		TOTAL RDT&E	69,784,963	70,005,814

SA 2797. Mr. BLUNT (for himself and Mrs. McCASKILL) submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for

other purposes; which was ordered to lie on the table; as follows:

At the end of title II, add the following:

SEC. 2____. Not later than 30 days after the date of the enactment of this Act, the Secretary of Veterans Affairs shall submit to the Committee on Veterans' Affairs of the Senate and the Committee on Veterans' Affairs of the House of Representatives a report on leadership at medical centers of the Department of Veterans Affairs that in-

cludes, with respect to each medical center of the Department that has not had a permanent Director for a period of more than 30 days as of the date of submittal of the report, the following:

(1) A description of the nature and scope of the lack of permanent leadership at the medical center.

(2) An assessment of whether the lack of permanent leadership at the medical center

is related to an increase in wait times for medical appointments at the medical center.

(3) An assessment of whether the lack of permanent leadership at the medical center is related to inconsistencies in the quality of health care delivered and the environment in which health care is delivered.

(4) A description of any action taken by the Department to correct the lack of permanent leadership at the medical center.

(5) A plan for how the Secretary will remedy the lack of permanent leadership at the medical center, including a detailed description of steps to be taken and a timeline for completion.

SA 2798. Mr. TESTER (for Mrs. BOXER) proposed an amendment to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; as follows:

At the end of title II, add the following:

SEC. 247. Of the amounts appropriated or otherwise made available by this title for "MEDICAL SERVICES", not more than \$5,000,000 shall be available to the Secretary of Veterans Affairs to carry out a pilot program to assess the feasibility and advisability of awarding grants to veterans service agencies, veterans service organizations, and non-governmental organizations to provide furniture, household items, and other assistance to formerly homeless veterans who are moving into permanent housing to facilitate the settlement of such veterans in such housing.

SA 2799. Mr. THUNE (for himself and Mr. ROUNDS) submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; which was ordered to lie on the table; as follows:

At the end of title II, add the following:

SEC. 2. (a) The Secretary of Veterans Affairs may not carry out any action described in subsection (b) at a medical facility of the Department of Veterans Affairs located in Veterans Integrated Service Network 23 as part of a planned realignment of services from the Department until the Secretary has submitted to the appropriate committees of Congress a report that includes the following:

(1) A national realignment strategy for the Veterans Health Administration that includes a detailed description of realignment plans within each Veterans Integrated Service Network.

(2) An explanation of the process by which such realignment plans were developed and coordinated within each Veterans Integrated Service Network.

(3) An analysis of the cost versus the benefit of each realignment included in such realignment plans, including the cost of replacing services furnished directly by the Department of Veterans Affairs with services provided under a contract with a non-Department entity.

(4) An analysis of how each realignment will impact health care within each Veterans Integrated Service Network for the following veterans:

(A) Veterans who are members of Indian tribes.

(B) Veterans who live in rural or highly rural areas.

(5) An analysis of how each realignment will impact access to and enrollment in posttraumatic stress disorder programs and residential rehabilitation treatment programs of the Department and the capacity of such programs to provide services within each Veterans Integrated Service Network and nationally.

(b) The actions described in this subsection are the following:

(1) The closure of a medical facility of the Department.

(2) The use of any funds of the Department to prepare any environment impact statement that is related to the closure of a medical facility of the Department.

(3) Any action that—

(A) diminishes the ability of veterans to receive health care from the Department, or diminishes the quality of such health care; and

(B) is related to the closure of a medical facility of the Department.

(c) In this section—

(1) the term "appropriate committees of Congress" means—

(A) the Committee on Appropriations and the Committee on Veterans' Affairs of the Senate; and

(B) the Committee on Appropriations and the Committee on Veterans' Affairs of the House of Representatives; and

(2) the term "Indian tribe" has the meaning given that term in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450b).

SA 2800. Mr. THUNE submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; which was ordered to lie on the table; as follows:

At the end of title II, add the following:

SEC. 2. (a)(1) Notwithstanding any other provision of law and except as provided in paragraph (3), the Secretary of Veterans Affairs and the Director of the Indian Health Service shall enter into a memorandum of understanding, in consultation with Indian tribes that are impacted by the memorandum of understanding, on a national or regional basis, that authorizes the Indian Health Service to pay to the Department of Veterans Affairs copayments owed to the Department by veterans who are beneficiaries of the Indian Health Service for services rendered by the Department, including services rendered under a contract with a non-Department health care provider, to such veterans pursuant to a referral from a facility of the Indian Health Service under the purchased and referred care program of the Indian Health Service.

(2) In entering into a memorandum of understanding under paragraph (1), the Secretary of Veterans Affairs and the Director of the Indian Health Service shall take into account any findings from the report required under subsection (b).

(3) The Secretary of Veterans Affairs and the Director of the Indian Health Service are not required to enter into a memorandum of understanding under paragraph (1) if the Secretary and the Director jointly certify to the appropriate committees of Congress that such a memorandum of understanding would—

(A)(i) decrease the quality of health care provided to veterans who are beneficiaries of the Indian Health Service; and

(ii) impede the access of such veterans to health care; or

(B) substantially decrease the quality of or access to health care by individuals receiving health care from the Department of Veterans Affairs or beneficiaries of the Indian Health Service.

(b) Not later than 45 days after the date of the enactment of this Act, the Secretary of Veterans Affairs shall submit to Congress a report that contains—

(1) the number, disaggregated by State, of veterans who are beneficiaries of the Indian Health Service and have received health care at a medical facility of the Department of Veterans Affairs;

(2) the number, disaggregated by State and calendar year, of veterans who are beneficiaries of the Indian Health Service and were referred to a medical facility of the Department from a facility of the Indian Health Service during the period beginning on January 1, 2010, and ending on December 31, 2015; and

(3) an update on efforts of the Department to streamline health care for veterans who are beneficiaries of the Indian Health Service and have received health care at a medical facility of the Department and at a facility of the Indian Health Service, including—

(A) any changes to the provision of health care required under the Indian Health Care Improvement Act (25 U.S.C. 1601 et seq.); and

(B) any barriers to efficiently streamlining the provision of health care to veterans who are beneficiaries of the Indian Health Service.

(c) In this section—

(1) the term "appropriate committees of Congress" means—

(A) the Committee on Veterans' Affairs and the Committee on Indian Affairs of the Senate; and

(B) the Committee on Veterans' Affairs and the Committee on Natural Resources of the House of Representatives;

(2) the term "beneficiaries of the Indian Health Service" means individuals eligible for assistance from the Indian Health Service; and

(3) the term "Indian tribe" has the meaning given that term in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450b).

SA 2801. Mr. TESTER (for Mr. BROWN (for himself and Mr. TILLIS)) proposed an amendment to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; as follows:

At the end of title II, add the following:

SEC. 247. DEPARTMENT OF VETERANS AFFAIRS ACTION PLAN TO IMPROVE VOCATIONAL REHABILITATION AND EDUCATION.

(a) IN GENERAL.—Not later than 270 days after the date of the enactment of this Act, the Secretary of Veterans Affairs shall develop and publish an action plan for improving the services and assistance provided under chapter 31 of title 38, United States Code.

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

(1) A comprehensive analysis of, and recommendations and a proposed implementation plan for remedying workload management challenges at regional offices of the Department of Veterans Affairs, including steps to reduce counselor caseloads of veterans participating in a rehabilitation program under such chapter, particularly for counselors who are assisting veterans with traumatic brain injury and post-traumatic stress disorder and counselors with educational and vocational counseling workloads.

(2) A comprehensive analysis of the reasons for the disproportionately low percentage of veterans with service-connected disabilities who served in the Armed Forces after September 11, 2001, who opt to participate in a rehabilitation program under such chapter relative to the percentage of such veterans who use their entitlement to educational assistance under chapter 33 of title 38, United States Code, including an analysis of barriers to timely enrollment in rehabilitation programs under chapter 31 of such title and of any barriers to a veteran enrolling in the program of that veteran's choice.

(3) Recommendations and a proposed implementation plan for encouraging more veterans with service-connected disabilities who served in the Armed Forces after September 11, 2001, to participate in rehabilitation programs under chapter 31 of such title.

(4) A national staff training program for vocational rehabilitation counselors of the Department that includes the provision of—

(A) training to assist counselors in understanding the very profound disorientation experienced by veterans with service-connected disabilities whose lives and life-plans have been upended and out of their control because of such disabilities;

(B) training to assist counselors in working in partnership with veterans on individual rehabilitation plans; and

(C) training on post-traumatic stress disorder and other mental health conditions and on moderate to severe traumatic brain injury that is designed to improve the ability of such counselors to assist veterans with these conditions, including by providing information on the broad spectrum of such conditions and the effect of such conditions on an individual's abilities and functional limitations.

SA 2802. Mr. LEE submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms. MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. _____. None of the amounts appropriated or otherwise made available by this Act (or an amendment made by this Act) shall be used to implement, administer, or enforce any wage requirement under subchapter IV of chapter 31 of title 40, United States Code, except with respect to any contract that is in existence on or prior to the date that is 30 days after the date of enactment of this Act or made pursuant to an invitation for bids outstanding on the date that is 30 days after such date of enactment.

SA 2803. Mr. LEE submitted an amendment intended to be proposed to amendment SA 2763 proposed by Mr. KIRK (for himself, Mr. TESTER, and Ms.

MIKULSKI) to the bill H.R. 2029, making appropriations for military construction, the Department of Veterans Affairs, and related agencies for the fiscal year ending September 30, 2016, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. _____. None of the funds appropriated or otherwise made available by title II may be used to pay any award or bonus under chapter 45 or 53 of title 5, United States Code, to any employee of the Office of Construction and Facilities Management of the Department of Veterans Affairs.

SA 2804. Mrs. FEINSTEIN (for herself, Mr. DURBIN, and Mr. LEAHY) submitted an amendment intended to be proposed by her to the bill S. 1356, to clarify that certain provisions of the Border Patrol Agent Pay Reform Act of 2014 will not take effect until after the Director of the Office of Personnel Management promulgates and makes effective regulations relating to such provisions; which was ordered to lie on the table; as follows:

Strike sections 1031 through 1034.

SA 2805. Mr. THUNE (for Mr. CRUZ (for himself, Mr. NELSON, Mr. RUBIO, Mr. PETERS, Mr. GARDNER, and Mrs. MURRAY)) submitted an amendment intended to be proposed by Mr. THUNE to the bill H.R. 2262, to facilitate a pro-growth environment for the developing commercial space industry by encouraging private sector investment and creating more stable and predictable regulatory conditions, and for other purposes; as follows:

Strike all after the enacting clause and insert the following:

SECTION 1. SHORT TITLE; TABLE OF CONTENTS; REFERENCES.

(a) **SHORT TITLE.**—This Act may be cited as the “U.S. Commercial Space Launch Competitiveness Act”.

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

Sec. 1. Short title; table of contents; references.

TITLE I—SPURRING PRIVATE AEROSPACE COMPETITIVENESS AND ENTREPRENEURSHIP

Sec. 101. Short title.

Sec. 102. International launch competitiveness.

Sec. 103. Indemnification for space flight participants.

Sec. 104. Launch license flexibility.

Sec. 105. Licensing report.

Sec. 106. Federal jurisdiction.

Sec. 107. Cross waivers.

Sec. 108. Space authority.

Sec. 109. Orbital traffic management.

Sec. 110. Space surveillance and situational awareness data.

Sec. 111. Consensus standards and extension of certain safety regulation requirements.

Sec. 112. Government astronauts.

Sec. 113. Streamline commercial space launch activities.

Sec. 114. Operation and utilization of the ISS.

Sec. 115. State commercial launch facilities.

Sec. 116. Space support vehicles study.

Sec. 117. Space launch system update.

TITLE II—COMMERCIAL REMOTE SENSING

Sec. 201. Annual reports.

Sec. 202. Statutory update report.

TITLE III—OFFICE OF SPACE COMMERCE

Sec. 301. Renaming of office of space commercialization.

Sec. 302. Functions of the office of space commerce.

TITLE IV—SPACE RESOURCE EXPLORATION AND UTILIZATION

Sec. 401. Short title.

Sec. 402. Title 51 amendment.

Sec. 403. Disclaimer of extraterritorial sovereignty.

(c) **REFERENCES TO TITLE 51, UNITED STATES CODE.**—Except as otherwise expressly provided, wherever in this Act an amendment or repeal is expressed in terms of an amendment to, or repeal of, a section or other provision, the reference shall be considered to be made to a section or other provision of title 51, United States Code.

TITLE I—SPURRING PRIVATE AEROSPACE COMPETITIVENESS AND ENTREPRENEURSHIP

SEC. 101. SHORT TITLE.

This title may be cited as the “Spurring Private Aerospace Competitiveness and Entrepreneurship Act of 2015” or “SPACE Act of 2015”.

SEC. 102. INTERNATIONAL LAUNCH COMPETITIVENESS.

(a) **SENSE OF CONGRESS.**—It is the sense of Congress that it is in the public interest to update the methodology used to calculate the maximum probable loss from claims under section 50914 of title 51, United States Code, with a validated risk profile approach in order to consistently compute valid and reasonable maximum probable loss values.

(b) **IMPLEMENTATION.**—Not later than 180 days after the date of enactment of this Act, the Secretary of Transportation, in consultation with the commercial space sector and insurance providers, shall—

(1) evaluate the methodology used to calculate the maximum probable loss from claims under section 50914 of title 51, United States Code, and, if necessary, develop a plan to update that methodology;

(2) in evaluating or developing a plan under paragraph (1)—

(A) ensure that the Federal Government is not exposed to greater costs than intended and that launch companies are not required to purchase more insurance coverage than necessary; and

(B) consider the impact of the cost to both the industry and the Government of implementing an updated methodology; and

(3) submit the evaluation, and any plan, to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives.

(c) **INDEPENDENT ASSESSMENT.**—Not later than 270 days after the date the evaluation is submitted under subsection (b)(3), the Comptroller General shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives an assessment of—

(1) the analysis and conclusions provided by the Secretary of Transportation in the evaluation, and any plan, under subsection (b);

(2) the implementation schedule proposed by the Secretary in the plan described in paragraph (1);

(3) the suitability of the plan described in paragraph (1) for implementation; and

(4) any further actions needed to implement the plan described in paragraph (1) or otherwise accomplish the purpose of this section.

(d) **LAUNCH LIABILITY EXTENSION.**—Section 50915(f) is amended by striking “December 31, 2016” and inserting “September 30, 2025”.

SEC. 103. INDEMNIFICATION FOR SPACE FLIGHT PARTICIPANTS.

(a) IN GENERAL.—Chapter 509 is amended—
(1) in section 50914(a)—
(A) in paragraph (4), by adding at the end the following:

“(E) space flight participants.”; and

(B) by adding at the end the following:

“(5) Subparagraph (E) of paragraph (4) ceases to be effective September 30, 2025.”; and

(2) in section 50915(a)—

(A) in paragraph (1), by striking “a licensee or transferee under this chapter, a contractor, subcontractor, or customer of the licensee or transferee, or a contractor or subcontractor of a customer, but not against a space flight participant,” and inserting “a person described in paragraph (3)(A)”;

(B) by adding at the end the following:

“(3)(A) A person described in this subparagraph is—

“(i) a licensee or transferee under this chapter;

“(ii) a contractor, subcontractor, or customer of the licensee or transferee;

“(iii) a contractor or subcontractor of a customer; or

“(iv) a space flight participant.

“(B) Clause (iv) of subparagraph (A) ceases to be effective September 30, 2025.”.

SEC. 104. LAUNCH LICENSE FLEXIBILITY.

Section 50906 is amended—

(1) in subsection (d)—

(A) in the matter preceding paragraph (1), by striking “that will be launched or reentered” and inserting “or reusable launch vehicles that will be launched into a suborbital trajectory or reentered under that permit”;

(B) by amending paragraph (1) to read as follows:

“(1) research and development to test design concepts, equipment, or operating techniques;”;

(C) in paragraph (3)—

(i) by striking “prior to obtaining a license”; and

(ii) by inserting “or vehicle” after “design of the rocket”;

(2) in subsection (e)—

(A) in paragraph (1), by striking “suborbital rocket design” and inserting “suborbital rocket or suborbital rocket design, or for a particular reusable launch vehicle or reusable launch vehicle design.”; and

(B) in paragraph (2), by inserting “or launch vehicle” after “the suborbital rocket”;

(3) by amending subsection (g) to read as follows:

“(g) The Secretary may issue a permit under this section notwithstanding any license issued under this chapter. The issuance of a license under this chapter may not invalidate a permit issued under this section.”; and

(4) in subsection (h), by inserting “or reusable launch vehicle” after “suborbital rocket”.

SEC. 105. LICENSING REPORT.

Not later than 120 days after the date of enactment of this Act, the Secretary of Transportation shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report on approaches for streamlining the licensing and permitting process of launch vehicles, reentry vehicles, or components of launch or reentry vehicles, to enable non-launch flight operations related to space transportation. The report shall include approaches to improve efficiency, reduce unnecessary costs, resolve inconsistencies, remove duplication, and minimize unwarranted constraints. The report shall also include an assessment of ex-

isting private and government infrastructure, as appropriate, in future licensing activities.

SEC. 106. FEDERAL JURISDICTION.

Section 50914 is amended by adding at the end the following:

“(g) FEDERAL JURISDICTION.—Any claim by a third party or space flight participant for death, bodily injury, or property damage or loss resulting from an activity carried out under the license shall be the exclusive jurisdiction of the Federal courts.”.

SEC. 107. CROSS WAIVERS.

Section 50914(b)(1) is amended to read as follows:

“(1)(A) A launch or reentry license issued or transferred under this chapter shall contain a provision requiring the licensee or transferee to make a reciprocal waiver of claims with applicable parties involved in launch services or reentry services under which each party to the waiver agrees to be responsible for personal injury to, death of, or property damage or loss sustained by it or its own employees resulting from an activity carried out under the applicable license.

“(B) In this paragraph, the term ‘applicable parties’ means—

“(i) contractors, subcontractors, and customers of the licensee or transferee;

“(ii) contractors and subcontractors of the customers; and

“(iii) space flight participants.

“(C) Clause (iii) of subparagraph (B) ceases to be effective September 30, 2025.”.

SEC. 108. SPACE AUTHORITY.

(a) IN GENERAL.—Not later than 120 days after the date of enactment of this Act, the Director of the Office of Science and Technology Policy, in consultation with the Secretary of State, the Secretary of Transportation, the Administrator of the National Aeronautics and Space Administration, the heads of other relevant Federal agencies, and the commercial space sector, shall—

(1) assess current, and proposed near-term, commercial non-governmental activities conducted in space;

(2) identify appropriate authorization and supervision authorities for the activities described in paragraph (1);

(3) recommend an authorization and supervision approach that would prioritize safety, utilize existing authorities, minimize burdens to the industry, promote the U.S. commercial space sector, and meet the United States obligations under international treaties; and

(4) submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report on the activities described in paragraphs (1), (2), and (3).

(b) EXCEPTION.—Nothing in this section shall apply to the activities of the ISS national laboratory as described in section 504 of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18354), including any research or development projects utilizing the ISS national laboratory.

SEC. 109. ORBITAL TRAFFIC MANAGEMENT.

(a) SENSE OF CONGRESS.—It is the sense of the Congress that an improved framework may be necessary for space traffic management of United States Government assets and United States private sector assets in outer space and orbital debris mitigation.

(b) STUDY.—Not later than 90 days after the date of enactment of this Act, the Administrator of the National Aeronautics and Space Administration, in consultation with the Secretary of Transportation, the Chair of the Federal Communications Commission, the Secretary of Commerce, and the Secretary of Defense, shall enter into an ar-

rangement with an independent systems engineering and technical assistance organization to study alternate frameworks for the management of space traffic and orbital activities.

(c) CONTENTS.—The study shall include the following:

(1) An assessment of current regulations, best practices, and industry standards that apply to space traffic management and orbital debris mitigation.

(2) An assessment of current statutory authorities granted to the Federal Communications Commission, the Department of Transportation, and the Department of Commerce that apply to space traffic management and orbital debris mitigation and how those agencies utilize and coordinate those authorities.

(3) A review of all space traffic management and orbital debris requirements under treaties and other international agreements to which the United States is a signatory, and other nonbinding international arrangements in which the United States participates, and the manner and extent to which the Federal Government complies with those requirements and arrangements.

(4) An assessment of existing Federal Government assets used to conduct space traffic management and space situational awareness.

(5) An assessment of the risk to space traffic management associated with smallsats and any necessary Government coordination for their launch and utilization to avoid congestion of the orbital environment and improve space situational awareness.

(6) An assessment of existing private sector information sharing activities associated with space situational awareness and space traffic management.

(7) Recommendations related to the appropriate framework for the protection of the health, safety, and welfare of the public and economic vitality of the space industry.

(d) REPORT.—Not later than 1 year after the date of enactment of this Act, the Administrator shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives the study required in subsection (b).

(e) DEPARTMENT OF DEFENSE AUTHORITIES.—

(1) SENSE OF CONGRESS.—It is the sense of Congress that the Department of Defense plays a vital and unique role in protecting national security assets in space.

(2) RULE OF CONSTRUCTION.—Nothing in this section may be construed to affect the authority of the Secretary of Defense as it relates to safeguarding the national security.

SEC. 110. SPACE SURVEILLANCE AND SITUATIONAL AWARENESS DATA.

Not later than 120 days after the date of enactment of this Act, the Secretary of Transportation in concurrence with the Secretary of Defense shall—

(1) in consultation with the heads of other relevant Federal agencies, study the feasibility of processing and releasing safety-related space situational awareness data and information to any entity consistent with national security interests and public safety obligations of the United States; and

(2) submit a report on the feasibility study to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives.

SEC. 111. CONSENSUS STANDARDS AND EXTENSION OF CERTAIN SAFETY REGULATION REQUIREMENTS.

Section 50905(c) is amended—

(1) in paragraph (1), by inserting “IN GENERAL.—” before “The Secretary”;

(2) in paragraph (2), by inserting “REGULATIONS.—” before “Regulations”;

(3) by striking paragraph (3);

(4) by redesignating paragraph (4) as paragraph (10);

(5) by inserting after paragraph (2) the following:

“(3) FACILITATION OF STANDARDS.—The Secretary shall continue to work with the commercial space sector, including the Commercial Space Transportation Advisory Committee, or its successor organization, to facilitate the development of voluntary industry consensus standards based on recommended best practices to improve the safety of crew, government astronauts, and space flight participants as the commercial space sector continues to mature.

“(4) COMMUNICATION AND TRANSPARENCY.—Nothing in this subsection shall be construed to limit the authority of the Secretary to discuss potential regulatory approaches, potential performance standards, or any other topic related to this subsection with the commercial space industry, including observations, findings, and recommendations from the Commercial Space Transportation Advisory Committee, or its successor organization, prior to the issuance of a notice of proposed rulemaking. Such discussions shall not be construed to permit the Secretary to promulgate industry regulations except as otherwise provided in this section.

“(5) INTERIM VOLUNTARY INDUSTRY CONSENSUS STANDARDS REPORTS.—

“(A) IN GENERAL.—Not later than December 31, 2016, and every 30 months thereafter until December 31, 2021, the Secretary, in consultation and coordination with the commercial space sector, including the Commercial Space Transportation Advisory Committee, or its successor organization, shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report on the progress of the commercial space transportation industry in developing voluntary industry consensus standards that promote best practices to improve industry safety.

“(B) CONTENTS.—The report shall include, at a minimum—

“(i) any voluntary industry consensus standards that have been accepted by the industry at large;

“(ii) the identification of areas that have the potential to become voluntary industry consensus standards that are currently under consideration by the industry at large;

“(iii) an assessment from the Secretary on the general progress of the industry in adopting voluntary industry consensus standards;

“(iv) any lessons learned about voluntary industry consensus standards, best practices, and commercial space launch operations;

“(v) any lessons learned associated with the development, potential application, and acceptance of voluntary industry consensus standards, best practices, and commercial space launch operations; and

“(vi) recommendations, findings, or observations from the Commercial Space Transportation Advisory Committee, or its successor organization, on the progress of the industry in developing voluntary industry consensus standards that promote best practices to improve industry safety.

“(6) REPORT.—Not later than 270 days after the date of enactment of the SPACE Act of 2015, the Secretary, in consultation and coordination with the commercial space sector, including the Commercial Space Transportation Advisory Committee, or its successor organization, shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Com-

mittee on Science, Space, and Technology of the House of Representatives a report specifying key industry metrics that might indicate readiness of the commercial space sector and the Department of Transportation to transition to a safety framework that may include regulations under paragraph (9) that considers space flight participant, government astronaut, and crew safety.

“(7) REPORTS.—Not later than March 31 of each of 2018 and 2022, the Secretary, in consultation and coordination with the commercial space sector, including the Commercial Space Transportation Advisory Committee, or its successor organization, shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report that identifies the activities, described in this subsection and subsection (d) most appropriate for a new safety framework that may include regulatory action, if any, and a proposed transition plan for such safety framework.

“(8) INDEPENDENT REVIEW.—Not later than December 31, 2022, an independent systems engineering and technical assistance organization or standards development organization contracted by the Secretary shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives an assessment of the readiness of the commercial space industry and the Federal Government to transition to a safety framework that may include regulations. As part of the review, the contracted organization shall evaluate—

“(A) the progress of the commercial space industry in adopting voluntary industry consensus standards as reported by the Secretary in the interim assessments included in the reports under paragraph (5);

“(B) the progress of the commercial space industry toward meeting the key industry metrics identified by the report under paragraph (6), including the knowledge and operational experience obtained by the commercial space industry while providing services for compensation or hire; and

“(C) whether the areas identified in the reports under paragraph (5) are appropriate for regulatory action, or further development of voluntary industry consensus standards, considering the progress evaluated in subparagraphs (A) and (B) of this paragraph.

“(9) LEARNING PERIOD.—Beginning on October 1, 2023, the Secretary may propose regulations under this subsection without regard to subparagraphs (C) and (D) of paragraph (2). The development of any such regulations shall take into consideration the evolving standards of the commercial space flight industry as identified in the reports published under paragraphs (5), (6), and (7).”; and

(6) in paragraph (10), as redesignated, by inserting “RULE OF CONSTRUCTION.—” before “Nothing”.

SEC. 112. GOVERNMENT ASTRONAUTS.

(a) FINDINGS AND PURPOSE.—Section 50901(15) is amended by inserting “, government astronauts,” after “crew” each place it appears.

(b) SENSE OF CONGRESS.—The National Aeronautics and Space Administration has a need to fly government astronauts (as defined in section 50902 of title 51, United States Code, as amended) within commercial launch vehicles and reentry vehicles under chapter 509 of that title. This need was identified by the Secretary of Transportation and the Administrator of the National Aeronautics and Space Administration due to the intended use of commercial launch vehicles and reentry vehicles developed under the

Commercial Crew Development Program, authorized in section 402 of the National Aeronautics and Space Administration Authorization Act of 2010 (124 Stat. 2820; Public Law 111-267). It is the sense of Congress that the authority delegated to the Administration by the amendment made by subsection (d) of this section should be used for that purpose.

(c) DEFINITION OF GOVERNMENT ASTRONAUT.—Section 50902 is amended—

(1) by redesignating paragraphs (4) through (22) as paragraphs (7) through (25), respectively; and

(2) by inserting after paragraph (3) the following:

“(4) ‘government astronaut’ means an individual who—

“(A) is designated by the National Aeronautics and Space Administration under section 20113(n);

“(B) is carried within a launch vehicle or reentry vehicle in the course of his or her employment, which may include performance of activities directly relating to the launch, reentry, or other operation of the launch vehicle or reentry vehicle; and

“(C) is either—

“(i) an employee of the United States Government, including the uniformed services, engaged in the performance of a Federal function under authority of law or an Executive act; or

“(ii) an international partner astronaut.

“(5) ‘international partner astronaut’ means an individual designated under Article 11 of the International Space Station Intergovernmental Agreement, by a partner to that agreement other than the United States, as qualified to serve as an International Space Station crew member.

“(6) ‘International Space Station Intergovernmental Agreement’ means the Agreement Concerning Cooperation on the International Space Station, signed at Washington January 29, 1998 (TIAS 12927).”.

(d) POWERS OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION IN PERFORMANCE OF FUNCTIONS.—Section 20113 is amended by adding at the end the following:

“(n) IDENTIFICATION OF GOVERNMENT ASTRONAUTS.—For purposes of a license issued or transferred by the Secretary of Transportation under chapter 509 to launch a launch vehicle or to reenter a reentry vehicle carrying a government astronaut (as defined in section 50902), the Administration shall designate a government astronaut in accordance with requirements prescribed by the Administration.”.

(e) DEFINITION OF LAUNCH.—Paragraph (7) of section 50902, as redesignated, is amended by striking “and any payload, crew, or space flight participant” and inserting “and any payload or human being”.

(f) DEFINITION OF LAUNCH SERVICES.—Paragraph (9) of section 50902, as redesignated, is amended by striking “payload, crew (including crew training), or space flight participant” and inserting “payload, crew (including crew training), government astronaut, or space flight participant”.

(g) DEFINITION OF REENTER AND REENTRY.—Paragraph (16) of section 50902, as redesignated, is amended by striking “and its payload, crew, or space flight participants, if any,” and inserting “and its payload or human beings, if any.”.

(h) DEFINITION OF REENTRY SERVICES.—Paragraph (17) of section 50902, as redesignated, is amended by striking “payload, crew (including crew training), or space flight participant, if any,” and inserting “payload, crew (including crew training), government astronaut, or space flight participant, if any.”.

(i) DEFINITION OF SPACE FLIGHT PARTICIPANT.—Paragraph (20) of section 50902, as redesignated, is amended to read as follows:

“(20) ‘space flight participant’ means an individual, who is not crew or a government astronaut, carried within a launch vehicle or reentry vehicle.”.

(j) **DEFINITION OF THIRD PARTY.**—Paragraph (24)(E) of section 50902, as redesignated, is amended by inserting “, government astronauts,” after “crew”.

(k) **RESTRICTIONS ON LAUNCHES, OPERATIONS, AND REENTRIES; SINGLE LICENSE OR PERMIT.**—Section 50904(d) is amended by striking “activities involving crew or space flight participants” and inserting “activities involving crew, government astronauts, or space flight participants”.

(l) **LICENSE APPLICATIONS AND REQUIREMENTS; APPLICATIONS.**—Section 50905 is amended—

(1) in subsection (a)(2), by striking “crews and space flight participants” and inserting “crew, government astronauts, and space flight participants”;

(2) in subsection (b)(2)(D), by striking “crew or space flight participants” and inserting “crew, government astronauts, or space flight participants”; and

(3) in subsection (c)—

(A) in paragraph (1), by striking “crew and space flight participants” and inserting “crew, government astronauts, and space flight participants”; and

(B) in paragraph (2), by striking “to crew or space flight participants” each place it appears and inserting “to crew, government astronauts, or space flight participants”.

(m) **MONITORING ACTIVITIES.**—Section 50907(a) is amended by striking “at a site used for crew or space flight participant training” and inserting “at a site not owned or operated by the Federal Government or a foreign government used for crew, government astronaut, or space flight participant training”.

(n) **ADDITIONAL SUSPENSIONS.**—Section 50908(d)(1) is amended by striking “to crew or space flight participants” each place it appears and inserting “to any human being”.

(o) **RELATIONSHIP TO OTHER EXECUTIVE AGENCIES, LAWS, AND INTERNATIONAL OBLIGATIONS; NONAPPLICATION.**—Section 50919(g) is amended to read as follows:

“(g) **NONAPPLICATION.**—

“(1) **IN GENERAL.**—This chapter does not apply to—

“(A) a launch, reentry, operation of a launch vehicle or reentry vehicle, operation of a launch site or reentry site, or other space activity the Government carries out for the Government; or

“(B) planning or policies related to the launch, reentry, operation, or activity under subparagraph (A).

“(2) **RULE OF CONSTRUCTION.**—The following activities are not space activities the Government carries out for the Government under paragraph (1):

“(A) A government astronaut being carried within a launch vehicle or reentry vehicle under this chapter.

“(B) A government astronaut performing activities directly relating to the launch, reentry, or other operation of the launch vehicle or reentry vehicle under this chapter.”.

SEC. 113. STREAMLINE COMMERCIAL SPACE LAUNCH ACTIVITIES.

(a) **SENSE OF CONGRESS.**—It is the sense of Congress that eliminating duplicative requirements and approvals for commercial launch and reentry operations will promote and encourage the development of the commercial space sector.

(b) **REAFFIRMATION OF POLICY.**—Congress reaffirms that the Secretary of Transportation, in overseeing and coordinating commercial launch and reentry operations, should—

(1) promote commercial space launches and reentries by the private sector;

(2) facilitate Government, State, and private sector involvement in enhancing U.S. launch sites and facilities;

(3) protect public health and safety, safety of property, national security interests, and foreign policy interests of the United States; and

(4) consult with the head of another executive agency, including the Secretary of Defense or the Administrator of the National Aeronautics and Space Administration, as necessary to provide consistent application of licensing requirements under chapter 509 of title 51, United States Code.

(c) **REQUIREMENTS.**—

(1) **IN GENERAL.**—The Secretary of Transportation under section 50918 of title 51, United States Code, and subject to section 50905(b)(2)(C) of that title, shall consult with the Secretary of Defense, the Administrator of the National Aeronautics and Space Administration, and the heads of other executive agencies, as appropriate—

(A) to identify all requirements that are imposed to protect the public health and safety, safety of property, national security interests, and foreign policy interests of the United States relevant to any commercial launch of a launch vehicle or commercial reentry of a reentry vehicle; and

(B) to evaluate the requirements identified in subparagraph (A) and, in coordination with the licensee or transferee and the heads of the relevant executive agencies—

(i) determine whether the satisfaction of a requirement of one agency could result in the satisfaction of a requirement of another agency; and

(ii) resolve any inconsistencies and remove any outmoded or duplicative requirements or approvals of the Federal Government relevant to any commercial launch of a launch vehicle or commercial reentry of a reentry vehicle.

(2) **REPORTS.**—Not later than 180 days after the date of enactment of this Act, and annually thereafter until the Secretary of Transportation determines no outmoded or duplicative requirements or approvals of the Federal Government exist, the Secretary of Transportation, in consultation with the Secretary of Defense, the Administrator of the National Aeronautics and Space Administration, the commercial space sector, and the heads of other executive agencies, as appropriate, shall submit to the Committee on Commerce, Science, and Transportation of the Senate, the Committee on Science, Space, and Technology of the House of Representatives, and the congressional defense committees a report that includes the following:

(A) A description of the process for the application for and approval of a permit or license under chapter 509 of title 51, United States Code, for the commercial launch of a launch vehicle or commercial reentry of a reentry vehicle, including the identification of—

(i) any unique requirements for operating on a United States Government launch site, reentry site, or launch property; and

(ii) any inconsistent, outmoded, or duplicative requirements or approvals.

(B) A description of current efforts, if any, to coordinate and work across executive agencies to define interagency processes and procedures for sharing information, avoiding duplication of effort, and resolving common agency requirements.

(C) Recommendations for legislation that may further—

(i) streamline requirements in order to improve efficiency, reduce unnecessary costs, resolve inconsistencies, remove duplication, and minimize unwarranted constraints; and

(ii) consolidate or modify requirements across affected agencies into a single appli-

cation set that satisfies the requirements identified in paragraph (1)(A).

(3) **DEFINITIONS.**—For purposes of this subsection—

(A) any applicable definitions set forth in section 50902 of title 51, United States Code, shall apply;

(B) the terms “launch”, “reenter”, and “reentry” include landing of a launch vehicle or reentry vehicle; and

(C) the terms “United States Government launch site” and “United States Government reentry site” include any necessary facility, at that location, that is commercially operated on United States Government property.

SEC. 114. OPERATION AND UTILIZATION OF THE ISS.

(a) **SENSE OF CONGRESS.**—It is the sense of Congress that—

(1) maximum utilization of partnerships, scientific research, commercial applications, and exploration test bed capabilities of the ISS is essential to ensuring the greatest return on investments made by the United States and its international partners in the development, assembly, and operations of that unique facility; and

(2) every effort should be made to ensure that decisions regarding the service life of the ISS are based on the station's projected capability to continue providing effective and productive research and exploration test bed capabilities.

(b) **CONTINUATION OF THE INTERNATIONAL SPACE STATION.**—

(1) **IN GENERAL.**—Section 501 of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18351) is amended—

(A) in the heading, by striking “**THROUGH 2020**”; and

(B) in subsection (a), by striking “through at least 2020” and inserting “through at least 2024”.

(2) **MAINTENANCE OF THE UNITED STATES SEGMENT AND ASSURANCE OF CONTINUED OPERATIONS OF THE INTERNATIONAL SPACE STATION.**—Section 503 of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18353) is amended—

(A) in subsection (a), by striking “through at least September 30, 2020” and inserting “through at least September 30, 2024”; and

(B) in subsection (b)(1), by striking “In carrying out subsection (a), the Administrator” and inserting “The Administrator”.

(3) **RESEARCH CAPACITY ALLOCATION AND INTEGRATION OF RESEARCH PAYLOADS.**—Section 504(d) of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18354(d)) is amended by striking “September 30, 2020” each place it appears and inserting “at least September 30, 2024”.

(4) **MAINTAINING USE THROUGH AT LEAST 2024.**—Section 70907 is amended to read as follows:

“§ 70907. Maintaining use through at least 2024

“(a) **POLICY.**—The Administrator shall take all necessary steps to ensure that the International Space Station remains a viable and productive facility capable of potential United States utilization through at least September 30, 2024.

“(b) **NASA ACTIONS.**—In furtherance of the policy under subsection (a), the Administrator shall ensure, to the extent practicable, that the International Space Station, as a designated national laboratory—

“(1) remains viable as an element of overall exploration and partnership strategies and approaches;

“(2) is considered for use by all NASA mission directorates, as appropriate, for technically appropriate scientific data gathering or technology risk reduction demonstrations; and

“(3) remains an effective, functional vehicle providing research and test bed capabilities for the United States through at least September 30, 2024.”.

(5) TECHNICAL AND CONFORMING AMENDMENTS.—

(A) TABLE OF CONTENTS OF 2010 ACT.—The item relating to section 501 in the table of contents in section 1(b) of the National Aeronautics and Space Administration Authorization Act of 2010 (124 Stat. 2806) is amended by striking “through 2020”.

(B) TABLE OF CONTENTS OF CHAPTER 709.—The table of contents for chapter 709 is amended by amending the item relating to section 70907 to read as follows: “70907. Maintaining use through at least 2024.”.

SEC. 115. STATE COMMERCIAL LAUNCH FACILITIES.

(a) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) State involvement, development, ownership, and operation of launch facilities can enable growth of the Nation’s commercial suborbital and orbital space endeavors and support both commercial and Government space programs;

(2) State launch facilities and the people and property in the affected launch areas of those facilities may be subject to risks resulting from an activity carried out under a license under chapter 509 of title 51, United States Code; and

(3) to ensure the success of the commercial launch industry and the safety of the people and property in the affected launch areas of those facilities, States and State launch facilities should seek to take proper measures to protect themselves, to the extent of their potential liability for involvement in launch services or reentry services, and compensate third parties for possible death, bodily injury, or property damage or loss resulting from an activity carried out under a license under chapter 509 of title 51, United States Code, to which the State or State launch facility is involved in the launch services or reentry services.

(b) REPORT.—Not later than 1 year after the date of enactment of this Act, the Comptroller General shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report on the potential inclusion of all government property, including State and municipal property, in the existing indemnification regime established under section 50914 of title 51, United States Code.

SEC. 116. SPACE SUPPORT VEHICLES STUDY.

(a) IN GENERAL.—Not later than 1 year after the date of enactment of this Act, the Comptroller General shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report on the use of space support vehicle services in the commercial space industry.

(b) CONTENTS.—This report shall include—

(1) the extent to which launch providers rely on such services as part of their business models;

(2) the statutory, regulatory, and market barriers to the use of such services; and

(3) recommendations for legislative or regulatory action that may be needed to ensure reduced barriers to the use of such services if such use is a requirement of the industry.

SEC. 117. SPACE LAUNCH SYSTEM UPDATE.

(a) IN GENERAL.—Chapter 701 is amended—

(1) in the heading by striking “SPACE SHUTTLE” and inserting “SPACE LAUNCH SYSTEM”;

(2) in section 70101—

(A) in the heading, by striking “space shuttle” and inserting “space launch system”; and

(B) by striking “space shuttle” and inserting “space launch system”;

(3) by amending section 70102 to read as follows:

“§ 70102. Space launch system use policy

“(a) IN GENERAL.—The Space Launch System may be used for the following circumstances:

“(1) Payloads and missions that contribute to extending human presence beyond low-Earth orbit and substantially benefit from the unique capabilities of the Space Launch System.

“(2) Other payloads and missions that substantially benefit from the unique capabilities of the Space Launch System.

“(3) On a space available basis, Federal Government or educational payloads that are consistent with NASA’s mission for exploration beyond low-Earth orbit.

“(4) Compelling circumstances, as determined by the Administrator.

“(b) AGREEMENTS WITH FOREIGN ENTITIES.—The Administrator may plan, negotiate, or implement agreements with foreign entities for the launch of payloads for international collaborative efforts relating to science and technology using the Space Launch System.

“(c) COMPELLING CIRCUMSTANCES.—Not later than 30 days after the date the Administrator makes a determination under subsection (a)(4), the Administrator shall transmit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science of the House of Representatives written notification of the Administrator’s intent to select the Space Launch System for a specific mission under that subsection, including justification for the determination.”;

(4) in section 70103—

(A) in the heading, by striking “SPACE SHUTTLE” and inserting “SPACE LAUNCH SYSTEM”;

(B) in subsection (b), by striking “space shuttle” each place it appears and inserting “space launch system”;

(5) by adding at the end the following:

“§ 70104. Definition of Space Launch System

“In this chapter, the term ‘Space Launch System’ means the Space Launch System authorized under section 302 of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18322).”.

(b) TECHNICAL AND CONFORMING AMENDMENTS.—

(1) TABLE OF CHAPTERS.—The table of chapters of title 51 is amended by amending the item relating to chapter 701 to read as follows:

“701. Use of space launch system or alternatives 70101”.

(2) TABLE OF CONTENTS OF CHAPTER 701.—The table of contents of chapter 701 is amended—

(A) in the item relating to section 70101, by striking “space shuttle” and inserting “space launch system”;

(B) in the item relating to section 70102, by striking “Space shuttle” and inserting “Space launch system”;

(C) in the item relating to section 70103, by striking “space shuttle” and inserting “space launch system”;

(D) by adding at the end the following:

“70104. Definition of Space Launch System.”.

(3) REQUIREMENT TO PROCURE COMMERCIAL SPACE TRANSPORTATION SERVICES.—Section 50131(a) of chapter 51 is amended by inserting “or in section 70102” after “in this section”.

TITLE II—COMMERCIAL REMOTE SENSING

SEC. 201. ANNUAL REPORTS.

(a) IN GENERAL.—Subchapter III of chapter 601 is amended by adding at the end the following:

“§ 60126. Annual reports

“(a) IN GENERAL.—The Secretary shall submit a report to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives not later than 180 days after the date of enactment of the U.S. Commercial Space Launch Competitiveness Act, and annually thereafter, on—

“(1) the Secretary’s implementation of section 60121, including—

“(A) a list of all applications received in the previous calendar year;

“(B) a list of all applications that resulted in a license under section 60121;

“(C) a list of all applications denied and an explanation of why each application was denied, including any information relevant to the interagency adjudication process of a licensing request;

“(D) a list of all applications that required additional information; and

“(E) a list of all applications whose disposition exceeded the 120 day deadline established in section 60121(c), the total days overdue for each application that exceeded such deadline, and an explanation for the delay;

“(2) all notifications and information provided to the Secretary under section 60122; and

“(3) a description of all actions taken by the Secretary under the administrative authority granted by paragraphs (4), (5), and (6) of section 60123(a).

“(b) CLASSIFIED ANNEXES.—Each report under subsection (a) may include classified annexes as necessary to protect the disclosure of sensitive or classified information.

“(c) SUNSET.—The reporting requirement under this section terminates effective September 30, 2020.”.

(b) TABLE OF CONTENTS.—The table of contents of chapter 601 is amended by inserting after the item relating to section 60125 the following:

“60126. Annual reports.”.

SEC. 202. STATUTORY UPDATE REPORT.

Not later than 1 year after the date of enactment of this Act, the Secretary of Commerce, in consultation with the heads of other appropriate Federal agencies and the National Oceanic and Atmospheric Administration’s Advisory Committee on Commercial Remote Sensing, shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report on statutory updates necessary to license private remote sensing space systems. In preparing the report, the Secretary shall take into account the need to protect national security while maintaining United States private sector leadership in the field, and reflect the current state of the art of remote sensing systems, instruments, or technologies.

TITLE III—OFFICE OF SPACE COMMERCE

SEC. 301. RENAMING OF OFFICE OF SPACE COMMERCIALIZATION.

(a) CHAPTER HEADING.—

(1) AMENDMENT.—The heading for chapter 507 is amended by striking “COMMERCIALIZATION” and inserting “COMMERCE”.

(2) CONFORMING AMENDMENT.—The item relating to chapter 507 in the table of chapters for title 51 is amended by striking “Commercialization” and inserting “Commerce”.

(b) DEFINITION OF OFFICE.—Section 50701 is amended by striking “Commercialization” and inserting “Commerce”.

(c) RENAMING.—Section 50702(a) is amended by striking “Commercialization” and inserting “Commerce”.

SEC. 302. FUNCTIONS OF THE OFFICE OF SPACE COMMERCE.

Section 50702(c) is amended by striking “Commerce.” and inserting “Commerce, including—

“(1) to foster the conditions for the economic growth and technological advancement of the United States space commerce industry;

“(2) to coordinate space commerce policy issues and actions within the Department of Commerce;

“(3) to represent the Department of Commerce in the development of United States policies and in negotiations with foreign countries to promote United States space commerce;

“(4) to promote the advancement of United States geospatial technologies related to space commerce, in cooperation with relevant interagency working groups; and

“(5) to provide support to Federal Government organizations working on Space-Based Positioning Navigation, and Timing policy, including the National Coordination Office for Space-Based Position, Navigation, and Timing.”.

TITLE IV—SPACE RESOURCE EXPLORATION AND UTILIZATION

SEC. 401. SHORT TITLE.

This title may be cited as the “Space Resource Exploration and Utilization Act of 2015”.

SEC. 402. TITLE 51 AMENDMENT.

(a) IN GENERAL.—Subtitle V is amended by adding at the end the following:

“CHAPTER 513—SPACE RESOURCE COMMERCIAL EXPLORATION AND UTILIZATION

“Sec.

“51301. Definitions.

“51302. Commercial exploration and commercial recovery.

“51303. Asteroid resource and space resource rights.

“§ 51301. Definitions

“In this chapter:

“(1) ASTEROID RESOURCE.—The term ‘asteroid resource’ means a space resource found on or within a single asteroid.

“(2) SPACE RESOURCE.—

“(A) IN GENERAL.—The term ‘space resource’ means an abiotic resource in situ in outer space.

“(B) INCLUSIONS.—The term ‘space resource’ includes water and minerals.

“(3) UNITED STATES CITIZEN.—The term ‘United States citizen’ has the meaning given the term ‘citizen of the United States’ in section 50902.

“§ 51302. Commercial exploration and commercial recovery

“(a) IN GENERAL.—The President, acting through appropriate Federal agencies, shall—

“(1) facilitate commercial exploration for and commercial recovery of space resources by United States citizens;

“(2) discourage government barriers to the development in the United States of economically viable, safe, and stable industries for commercial exploration for and commercial recovery of space resources in manners consistent with the international obligations of the United States; and

“(3) promote the right of United States citizens to engage in commercial exploration for and commercial recovery of space resources free from harmful interference, in accordance with the international obligations of the United States and subject to authorization and continuing supervision by the Federal Government.

“(b) REPORT.—Not later than 180 days after the date of enactment of this section, the President shall submit to Congress a report on commercial exploration for and commercial recovery of space resources by United States citizens that specifies—

“(1) the authorities necessary to meet the international obligations of the United States, including authorization and continuing supervision by the Federal Government; and

“(2) recommendations for the allocation of responsibilities among Federal agencies for the activities described in paragraph (1).

“§ 51303. Asteroid resource and space resource rights

“A United States citizen engaged in commercial recovery of an asteroid resource or a space resource under this chapter shall be entitled to any asteroid resource or space resource obtained, including to possess, own, transport, use, and sell the asteroid resource or space resource obtained in accordance with applicable law, including the international obligations of the United States.”.

(b) TABLE OF CHAPTERS.—The table of chapters for title 51 is amended by adding at the end of the items for subtitle V the following:

“513. Space resource commercial exploration and utilization 51301”.

SEC. 403. DISCLAIMER OF EXTRATERRITORIAL SOVEREIGNTY.

It is the sense of Congress that by the enactment of this Act, the United States does not thereby assert sovereignty or sovereign or exclusive rights or jurisdiction over, or the ownership of, any celestial body.

SA 2806. Ms. MURKOWSKI (for Mr. ISAKSON) proposed an amendment to the bill S. 1203, to amend title 38, United States Code, to improve the processing by the Department of Veterans Affairs of claims for benefits under laws administered by the Secretary of Veterans Affairs, and for other purposes; as follows:

Beginning on page 29, strike line 1 and all that follows through page 32, line 20, and insert the following:

SEC. 112. REPORTS ON PUBLIC ACCESS TO DEPARTMENT OF VETERANS AFFAIRS RESEARCH.

(a) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act and not later than one year after the date of the enactment of this Act, the Secretary of Veterans Affairs shall submit to the Committee on Veterans’ Affairs of the Senate and the Committee on Veterans’ Affairs of the House of Representatives a report on increasing public access to scientific publications and digital data from research funded by the Department of Veterans Affairs.

(b) CONTENTS.—The report submitted under subsection (a) shall include the following:

(1) Identification of where on the Internet website of the Department the public will be able to access results of research funded by the Department or be referred to other sources to access the results of research funded by the Department.

(2) A description of the progress made by the Department in meeting public access requirements set forth in the Federal Register notice entitled “Policy and Implementation Plan for Public Access to Scientific Publications and Digital Data from Research Funded by the Department of Veterans Affairs” (80 Fed. Reg. 60751), including the following:

(A) Compliance of Department investigators with requirements relating to ensuring that research funded by the Department is accessible by the public.

(B) Ensuring data management plans of the Department include provisions for long-

term preservation of the scientific data resulting from research funded by the Department.

(3) An explanation of the factors used to evaluate the merit of data management plans of research funded by the Veterans Health Administration.

(4) An explanation of the process of the Department in effect that enables stakeholders to petition a change to the embargo period for a specific field and the factors considered during such process.

On page 33, line 6, strike “45” and insert “72”.

On page 43, strike lines 7 through 11 and insert the following:

(a) IN GENERAL.—In carrying out the education and training program required under section 7302(a)(1) of title 38, United States Code, the Secretary of Veterans Affairs shall include education and training of marriage and family therapists and licensed professional mental health counselors.

(b) EFFECTIVE DATE.—Subsection (a) shall take effect on the date that is one year after the date of the enactment of this Act.

Beginning on page 43, strike line 19 and all that follows through page 44, line 9.

Beginning on page 65, strike line 3 and all that follows through page 70, line 8.

Beginning on page 91, strike line 22 and all that follows through page 92, line 1, and insert the following:

(a) IN GENERAL.—During the 10-year period beginning on September 26, 2015, the second sentence of subsection (c) of section 3684 of title 38, United States Code, shall be applied—

(1) by substituting “\$8” for “\$12”; and

(2) by substituting “\$12” for “\$15”.

(b) CONFORMING AMENDMENT.—Section 406 of the Department of Veterans Affairs Expiring Authorities Act of 2014 (Public Law 113-175; 38 U.S.C. 3684 note), as amended by section 410 of the Department of Veterans Affairs Expiring Authorities Act of 2015 (Public Law 114-58), is hereby repealed.

SA 2807. Ms. MURKOWSKI (for Mr. BLUMENTHAL) proposed an amendment to the resolution S. Res. 302, expressing the sense of the Senate in support of Israel and in condemnation of Palestinian terror attacks; as follows:

On page 5, line 1, strike “the President and”.

SA 2808. Ms. MURKOWSKI (for Mr. BLUMENTHAL) proposed an amendment to the resolution S. Res. 302, expressing the sense of the Senate in support of Israel and in condemnation of Palestinian terror attacks; as follows:

Insert after the eleventh whereas clause of the preamble the following:

Whereas President Barack Obama condemned in the strongest terms Palestinian violence against innocent Israeli citizens and expressed his “strong belief that Israel has not just the right, but the obligation to protect itself”;

AUTHORITY FOR COMMITTEES TO MEET

COMMITTEE ON ARMED SERVICES

Mr. MCCONNELL. Mr. President, I ask unanimous consent that the Committee on Armed Services be authorized to meet during the session of the Senate on November 10, 2015, at 9 a.m.

The PRESIDING OFFICER. Without objection, it is so ordered.