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SENATE

{ REPORT  
{ 114-263

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### DEPARTMENT OF DEFENSE APPROPRIATIONS BILL, 2017

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MAY 26, 2016.—Ordered to be printed

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Mr. COCHRAN, from the Committee on Appropriations,  
submitted the following

### REPORT

[To accompany S. 3000]

The Committee on Appropriations reports the bill (S. 3000) making appropriations for the Department of Defense for the fiscal year ending September 30, 2017, and for other purposes, reports favorably thereon and recommends that the bill do pass.

#### *New obligational authority*

Total of bill as reported to the Senate .....	\$568,101,051,000
Amount of 2016 appropriations .....	566,616,000,000
Amount of 2017 budget estimate .....	569,858,382,000
Bill as recommended to Senate compared to—	
2016 appropriations .....	+ 1,485,051,000
2017 budget estimate .....	– 1,757,331,000

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## BACKGROUND

### PURPOSE OF THE BILL

This bill makes appropriations for the military functions of the Department of Defense for the period October 1, 2016, through September 30, 2017. Functional areas include the pay, allowances, and support of military personnel, operation and maintenance of the forces, procurement of equipment and systems, and research, development, test and evaluation. Appropriations for foreign military assistance, military construction, family housing, nuclear weapons programs, and civil defense are provided in other bills.

### HEARINGS

The Appropriations Subcommittee on Defense began hearings on February 10, 2016, and concluded them on April 27, 2016, after nine separate sessions. The subcommittee heard testimony from representatives of the Department of Defense.

### SUMMARY OF THE BILL

The Committee recommendation of \$568,101,051,000 includes funding to develop, maintain, and equip the military forces of the United States and for other purposes in nonemergency appropriations.

The fiscal year 2017 budget request for activities funded in the Department of Defense appropriations bill totals \$569,858,382,000 in new budget authority, including \$58,625,551,000 in contingency funding for the Department of Defense and \$514,000,000 in mandatory spending.

In fiscal year 2016, the Congress appropriated \$566,616,000,000 for activities funded in this bill. This amount includes \$507,978,000,000 in base appropriations and \$58,638,000,000 in Overseas Contingency Operations/Global War on Terrorism appropriations. The Committee recommends that funds requested for Coast Guard overseas contingency operations be appropriated directly to the Department of Homeland Security.

The Committee recommendation in this bill is \$1,485,051,000 above the amount provided in fiscal year 2016 and \$1,757,331,000 below the amount requested for fiscal year 2017.

### COMMITTEE RECOMMENDATIONS

The following table displays the recommendations for each title:

[In thousands of dollars]

	Fiscal year 2016 enacted	Fiscal year 2017 estimate	Committee recommendation
Title I—Military Personnel .....	129,228,658	128,902,332	127,976,516
Title II—Operation and Maintenance .....	167,485,170	171,318,488	170,698,913

[In thousands of dollars]

	Fiscal year 2016 enacted	Fiscal year 2017 estimate	Committee recommendation
Title III—Procurement .....	110,841,627	101,916,357	105,253,833
Title IV—Research, development, test and evaluation .....	69,784,665	71,391,771	70,800,794
Title V—Revolving and management funds .....	2,212,932	1,371,613	1,561,613
Title VI—Other Department of Defense Programs .....	34,392,468	35,284,674	35,815,191
Title VII—Related agencies .....	1,019,206	1,047,596	1,039,396
Title VIII—General provisions (net) .....	– 6,986,726	.....	– 3,680,209
Title IX—Overseas Contingency Operations/Global War on Ter- rorism .....	58,638,000	58,625,551	58,635,004
Net grand total .....	566,616,000	569,858,382	568,101,051
Total discretionary (incl. scorekeeping adjustments) .....	572,774,000	576,342,382	574,585,051

The Committee has displayed recommended adjustments in tables presented under each appropriation account.

These adjustments reflect the following Committee actions: elimination of funds requested for programs which are lower priority, duplicative, or not supported by firm requirements in out-year development or procurement appropriations; deletion of excess funds based on program delays or slow execution; addition of funds to reflect congressional priorities and to rectify shortfalls in the budget estimate; and implementation of recommendations in S. 2943, the National Defense Authorization Act for Fiscal Year 2017, as reported.

The Committee directs that the funding increases outlined in these tables shall be provided only for the specific purposes indicated in the table.

#### CLASSIFIED PROGRAM ADJUSTMENTS

The Committee recommends adjustments to certain classified programs, as explained in the classified annex to the Committee's report.

#### DEFINITION OF PROGRAM, PROJECT AND ACTIVITY

For the purposes of the Balanced Budget and Emergency Deficit Control Act of 1985 (Public Law 99–177), as amended by the Balanced Budget and Emergency Deficit Control Reaffirmation Act of 1987 (Public Law 100–119), and by the Budget Enforcement Act of 1990 (Public Law 101–508), the terms “program, project, and activity” for appropriations contained in this act shall be defined as the most specific level of budget items identified in the Department of Defense Appropriations Act, 2017, the related classified annexes and Committee reports, and P–1 and R–1 budget justification documents as subsequently modified by congressional action.

The following exception to the above definition shall apply: the military personnel and the operation and maintenance accounts, for which the term “program, project, and activity” is defined as the appropriations accounts contained in the Department of Defense Appropriations Act.

At the time the President submits the budget request for fiscal year 2018, the Secretary of Defense is directed to transmit to the congressional defense committees budget justification documents to

be known as the “M-1” and “O-1” which shall identify, at the budget activity, activity group, and sub-activity group level, the amounts requested by the President to be appropriated to the Department of Defense for military personnel and operation and maintenance in any budget request, or amended budget request, for fiscal year 2018.

#### REPROGRAMMING GUIDANCE

The Secretary of Defense is directed to continue to follow the reprogramming guidance for acquisition accounts as specified in the report accompanying the House version of the Department of Defense appropriations bill for fiscal year 2008 (House Report 110-279). For operation and maintenance accounts, the Secretary of Defense shall continue to follow the reprogramming guidelines specified in the conference report accompanying H.R. 3222, the Department of Defense Appropriations Act for Fiscal Year 2008. The dollar threshold for reprogramming funds shall remain at \$10,000,000 for military personnel; \$15,000,000 for operation and maintenance; \$20,000,000 for procurement; and \$10,000,000 for research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees annual DD Form 1416 reports for titles I and II and quarterly, spreadsheet-based DD Form 1416 reports for service and defense-wide accounts in titles III and IV of this act. Reports for titles III and IV shall comply with guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act for Fiscal Year 2006. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation line, whichever is less. These thresholds are cumulative from the base for reprogramming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of a military personnel (M-1), an operation and maintenance (O-1), a procurement (P-1), or a research, development, test and evaluation (R-1) line exceeds the identified threshold, the Secretary of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this report.

#### COMMITTEE INITIATIVES

The Committee has included funding above the President’s budget request for several programmatic initiatives which the Committee believes are of inherent value for national defense. In several cases, funds are restored for programs which were included in previous Department of Defense budget requests, and for programs that the Committee believes are necessary to improve the U.S. defense posture even though they have not been included under the request formulated by the Department of Defense.

For instance, the Committee’s hearings with the military services and the Department’s leadership highlighted the risk to maintain-

ing the U.S. technological edge under sequester-level budgets. Therefore, the Committee recommends increases to sustain U.S. technological superiority such as fifth generation aircraft, various shipbuilding programs, battlefield intelligence programs, and space programs. In addition, the Committee recommends funding to increase readiness, sustain U.S. force structure and maintain our industrial base. Finally, the Committee recommends increases in basic research, alternative energy and science and technology funding, which are the foundation for enhancing future technological superiority. The Committee also recommends funding for programs that are chronically underfunded, such as the Defense Production Act and National Guard and Reserve equipment purchases.

The Committee directs that funds for these initiatives are to be competitively awarded or provided to programs that have received competitive awards in the past.

#### JOINT STRIKE FIGHTER [JSF]

*Joint Strike Fighter [JSF] Production.*—The fiscal year 2017 budget request includes 63 F-35 Joint Strike Fighters, six fewer than were provided in the Department of Defense Appropriations Act, 2016 (Public Law 114-113). In comparison to quantities planned in the fiscal year 2016 budget request, the Air Force's fiscal year 2017 request includes five fewer aircraft in fiscal year 2017 and 45 fewer aircraft from fiscal years 2017 to 2021. The Committee is concerned that the current programmed quantities will not support the fielding of F-35 squadrons, as initially planned. As a result, the Committee recommends an additional \$100,000,000 in advance procurement for the F-35A and encourages the Air Force to revisit F-35A procurement quantities in the fiscal year 2018 budget request.

The Committee notes that the Navy continues to delay previously planned production increases of the F-35C carrier variant and has budgeted for no more than four F-35C aircraft since fiscal year 2014, even though prior budget requests planned for more aircraft. The fiscal year 2017 budget request again includes only four F-35Cs, two fewer than were provided in the Department of Defense Appropriations Act, 2016 (Public Law 114-113). The Committee notes that it is challenging to efficiently manufacture a small number of F-35C aircraft on the same production line as the F-35A and F-35B aircraft, given the unique items associated with the carrier variant. Therefore, the Committee encourages the Navy to maintain, at a minimum, the current procurement plan in the fiscal year 2018 budget request.

The Committee notes that the Marine Corps has maintained a consistent funding profile for the F-35B variant over recent years. To support the Marine Corps initial operational capability and enable the transition from 4th generation fighters, the Committee recommends additional funding for two Marine Corps F-35B and two Marine Corps F-35C aircraft.

Finally, the Committee understands that the Joint Strike Fighter Program Executive Officer is considering formally requesting JSF block buy authority from the congressional defense committees. The Committee notes that block buy authority differs from multi-year procurement authority. The Committee supports acquisition



cost savings, however, there is concern that the Department of Defense has not completed a formal review of such a strategy. Therefore, the Committee encourages the Under Secretary of Defense (Acquisition, Technology, Logistics) to review a block buy strategy prior to the submission of such a request to the congressional defense committees.

*Joint Strike Fighter Follow-on Modernization [JSF FoM].*—The fiscal year 2017 budget request includes \$264,900,000 in Research, Development, Test and Evaluation, Navy and Research, Development, Test and Evaluation, Air Force for Joint Strike Fighter Follow-on Modernization, an increase of \$173,900,000 above fiscal year 2016 enacted amounts. The Committee notes the progress made by the JSF Program Executive Officer to define initial requirements and refine the JSF FoM acquisition strategy. However, the Committee further notes that cost estimates for the first two JSF FoM sub-blocks exceed \$2,000,000,000, and that requirements and costs for the subsequent two JSF FoM sub-blocks are yet to be determined. In addition, the Committee notes that the JSF FoM acquisition strategy, the test and evaluation master plan, the contracting strategy, and the plan for management of infrastructure remain to be approved. Finally, the Committee notes that of funds requested for JSF FoM in fiscal year 2017, \$158,900,000 is planned for obligation after the first quarter of fiscal year 2018. Therefore, the Committee recommends \$106,000,000 for JSF FoM, an increase of \$15,000,000 above fiscal year 2016 enacted amounts, and the amount executable in fiscal year 2017. The JSF Program Executive Officer is directed to provide to the congressional defense committees, not later than the fiscal year 2018 budget submission, the approved JSF FoM acquisition strategy, and, for each JSF FoM sub-block, the systems engineering plan, the test and evaluation master plan, independent cost estimates, and an acquisition program baseline.

#### ISRAELI MISSILE DEFENSE PROGRAMS

The fiscal year 2017 President's budget request includes \$145,835,000 for Israeli missile defense programs, and the Committee has received a request from the Government of Israel which recommends \$454,900,000 above the budget request for these programs. As previously stated in Senate Report 114-63, Congress has repeatedly, with strong bipartisan support, appropriated funds in excess of administration requests for Israeli missile defense programs to accelerate development of capabilities within a mutually agreed-upon U.S.-Israeli framework. However, these increases have historically been on a significantly smaller scale than the requests presented to the Committee in recent years, and accelerated capabilities covered by previously established cooperative development agreements. The Committee notes that in the last three fiscal years, Congress has appropriated more than \$1,000,000,000 above the President's budget request for Israeli missile defense programs despite fiscal constraints imposed by the Budget Control Act. However, the establishment of U.S.-Israeli co-production agreements has yet to conclude, and funds appropriated in fiscal year 2016 have yet to be released. The Committee is aware of ongoing negotiations between the Government of the United States and the Gov-

ernment of Israel regarding Israel's future missile defense requirements and is hopeful that these requirements will be fully addressed.

The Committee recommends an additional \$454,900,000 for Israeli missile defense programs, as requested by the Government of Israel. The Committee directs that not more than \$90,000,000 may be obligated or expended for long lead items in support of the David's Sling Weapons System, and not more than \$70,000,000 may be obligated or expended for long lead items in support of the Arrow upper tier program until the Under Secretary of Defense (Acquisition, Technology and Logistics) provides to the congressional defense committees the joint U.S.—Israeli co-production agreements for each of these weapon systems that define: Israeli requirements, detail joint production plans, to include the transfer of technical data packages, if applicable, establish all up round production and delivery schedules, delineate U.S. and Israeli industry workshares for co-production, describe the proposed use of U.S. and Israeli funds based on a common cost model, and identify Israeli contributions. In addition, the Director, Missile Defense Agency is directed to certify to the congressional defense committees, not later than the fiscal year 2018 budget submission, that previously requested data has been provided to the Missile Defense Agency by the Israeli Missile Defense Organization.

#### SHIP MODERNIZATION, OPERATIONS AND SUSTAINMENT FUND

The Department of Defense Appropriations Act, 2013 (Public Law 112–175) established the Ship Modernization, Operations and Sustainment Fund [SMOSF] and provided full funding, as identified by the Navy, for the succeeding two fiscal years to man, operate, sustain, upgrade, equip, and modernize seven cruisers and two dock landing ships. At the time, the Congress was concerned with the Navy's proposal to prematurely retire capable and relevant ships and supported a temporary bridge fund for these ships until the Navy could budget for the routine costs to operate and modernize them in subsequent budgets. Congressional direction limited the \$2,378,000,000 provided in fiscal year 2013 to only those ships or hull numbers that the Navy proposed for premature retirement in the budget submission. According to the Navy, their retirement proposal was strictly driven by fiscal constraints. Despite the additional funding and strong congressional direction, the Navy failed to obligate within 2 years the majority of SMOSF resources provided in Public Law 112–175.

With submission of the fiscal year 2015 budget request, the Navy included a new proposal to remove 11 *Ticonderoga*-class guided missile cruisers and three amphibious dock landing ships from the operational fleet and lay them up for several years under a phased modernization plan. The Department of Defense Appropriations Act, 2015 (Public Law 113–235) rejected this proposal and instead recommended a modified modernization plan that was consistent the Navy's proposal to expand application of unobligated SMOSF resources to four additional cruisers and an additional dock landing ship. In addition, the fiscal year 2015 agreement included an increase of \$540,000,000 in the SMOSF to support this new direction.

The Committee notes, however, that the Navy continues to obligate funds at a slower than expected rate.

The Navy's fiscal year 2017 budget submission, once again, deviates from congressional direction and proposes to change the modernization lay-up and phasing plan while continuing to utilize SMOSF resources. Given that the Navy has repeatedly ignored congressional direction over the past 4 years and continues to make changes to how SMOSF resources are applied, the Committee rescinds \$1,317,300,000 from funds remaining available for obligation in the SMOSF account. The Committee recommends an increase of \$183,000,000 in the Operation and Maintenance, Navy account and \$101,500,000 in the Other Procurement, Navy account to support cruiser and dock landing ship modernization efforts in fiscal year 2017. The Committee expects the Navy to utilize these funds for their congressionally directed purpose during fiscal year 2017 and to fully fund for all manpower, readiness, and modernization activities associated with cruiser and dock landing ships in the traditional appropriations accounts with the fiscal year 2018 budget request.

**TITLE I**  
**MILITARY PERSONNEL**

Funds appropriated under this title provide the resources required for basic pay, retired pay accrual, employers' contribution for Social Security taxes, basic allowance for subsistence, basic allowance for housing, special and incentive pays, permanent change of station travel, and other personnel costs for uniformed members of the Armed Forces.

The President's fiscal year 2017 budget requests a total of \$128,902,332,000 for military personnel appropriations. This request funds an Active component end strength of 1,281,900 and a Reserve component end strength of 801,200.

**SUMMARY OF COMMITTEE ACTION**

The Committee recommends military personnel appropriations totaling \$127,976,516,000 for fiscal year 2017. This is \$925,816,000 below the budget estimate.

Committee recommended military personnel appropriations for fiscal year 2017 are summarized below:

**SUMMARY OF MILITARY PERSONNEL APPROPRIATIONS**

[In thousands of dollars]

Account	2017 budget estimate	Committee recommendation	Change from budget estimate
<b>Military Personnel:</b>			
Military Personnel, Army .....	40,028,182	39,962,113	- 66,069
Military Personnel, Navy .....	27,951,605	27,712,455	- 239,150
Military Personnel, Marine Corps .....	12,813,412	12,698,935	- 114,477
Military Personnel, Air Force .....	27,944,615	27,706,468	- 238,147
<b>Reserve Personnel:</b>			
Reserve Personnel, Army .....	4,561,703	4,466,763	- 94,940
Reserve Personnel, Navy .....	1,924,155	1,918,395	- 5,760
Reserve Personnel, Marine Corps .....	744,995	743,265	- 1,730
Reserve Personnel, Air Force .....	1,742,906	1,715,360	- 27,546
<b>National Guard Personnel:</b>			
National Guard Personnel, Army .....	7,910,694	7,781,224	- 129,470
National Guard Personnel, Air Force .....	3,280,065	3,271,538	- 8,527
Total .....	128,902,332	127,976,516	- 925,816

Committee recommended end strengths for fiscal year 2017 are summarized below:

**RECOMMENDED END STRENGTH**

	2016 authorization	2017 budget estimate	Committee recommendation	Change from budget estimate
<b>Active:</b>				
Army .....	475,000	460,000	460,000	

## RECOMMENDED END STRENGTH—Continued

	2016 authorization	2017 budget estimate	Committee recommendation	Change from budget estimate
Navy .....	329,200	322,900	322,900	.....
Marine Corps .....	184,000	182,000	182,000	.....
Air Force .....	320,715	317,000	317,000	.....
Subtotal .....	1,308,915	1,281,900	1,281,900	.....
Selected Reserve:				
Army Reserve .....	198,000	195,000	195,000	.....
Navy Reserve .....	57,400	58,000	58,000	.....
Marine Corps Reserve .....	38,900	38,500	38,500	.....
Air Force Reserve .....	69,200	69,000	69,000	.....
Army National Guard .....	342,000	335,000	335,000	.....
Air National Guard .....	105,500	105,700	105,700	.....
Subtotal .....	811,000	801,200	801,200	.....
Total .....	2,119,915	2,083,100	2,083,100	.....

Committee recommended end strengths for full-time support of the Reserve and Guard for fiscal year 2017 are summarized below:

## RECOMMENDED ACTIVE GUARD AND RESERVE END STRENGTH

	2016 authorization	2017 budget estimate	Committee recommendation	Change from budget estimate
Active Guard and Reserve:				
Army Reserve .....	16,261	16,261	16,261	.....
Navy Reserve .....	9,934	9,955	9,955	.....
Marine Corps Reserve .....	2,260	2,261	2,261	.....
Air Force Reserve .....	3,032	2,955	2,955	.....
Army National Guard .....	30,770	30,155	30,155	.....
Air National Guard .....	14,748	14,764	14,764	.....
TOTAL .....	77,005	76,351	76,351	.....

## REPROGRAMMING GUIDANCE FOR MILITARY PERSONNEL ACCOUNTS

The Committee directs the Secretary of Defense to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2017 appropriation accounts not later than 60 days after the enactment of this act. The Secretary of Defense is prohibited from executing any reprogramming or transfer of funds for any purpose other than originally appropriated until the aforementioned report is submitted to the House and Senate Appropriations Committees. The Committee directs the Secretary of Defense to use the normal prior approval reprogramming procedures to transfer funds in the services' military personnel accounts between budget activities in excess of \$10,000,000.

## MILITARY PERSONNEL SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or have been specifically reduced as shown in the project level tables or in paragraphs using the phrase "only for" or "only to" in this report are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be

carried on the DD Form 1414 at the stated amount as specifically addressed in the Committee report. Below Threshold Reprogrammings may not be used to either restore or reduce funding from congressional special interest items as identified on the DD Form 1414.

#### MILITARY PERSONNEL OVERVIEW

*Reserve Component Budget Reporting.*—The Committee continues its requirement for the Department to provide a semi-annual detailed report to the congressional defense committees showing transfers between subactivities within the military personnel appropriation. Reports shall be submitted not later than 30 days following the end of the second quarter and 30 days following the end of the fiscal year.

*Unobligated Balances.*—A Government Accountability Office analysis of past year obligation rates shows that the services continue to underexecute their military personnel accounts. Due to excess unobligated balances, the Committee recommends a total reduction of \$880,050,000 from the fiscal year 2017 military personnel accounts.

*Advanced Trauma Training Program for National Guard and Reserve.*—The Committee recognizes the valuable support universities, hospitals, and other military partners provide by offering civilian-based emergency response trauma training to sustain medics' and medical providers' capabilities of the National Guard Enhanced Response Forces Packages [CERFP], National Guard Homeland Response Forces [NGHRF], and the Army Reserve Consequence Management Response Forces [CCMRF]. The Committee encourages the National Guard and Reserve to continue pursuing state-of-the-art trauma training with these civilian partners, thus maintaining unit medical readiness postures at optimum levels as military healthcare providers in CERFPs, NGHRFs, and CCMRFs maintain their individual skills to respond effectively to emergency incidents on the homeland. Furthermore, in order to minimize the civilian-military operational gaps in the event of a catastrophic incident, the Committee also encourages the development of enhanced preparedness medical training programs focusing on mass casualty triage, advanced disaster life support, advanced hazardous material life support, emergency dental, and psychological health by increasing civilian-based advanced trauma expertise gained through day-to-day experiences and medical research programs.

*Remotely Piloted Aircraft Pilot Shortfall.*—The Committee is deeply concerned with the continuing shortage of Remotely Piloted Aircraft [RPA] pilots. As a result of shortfalls in incentivizing, training, and retaining RPA pilots, the fiscal year 2017 budget request proposes contractors to fill in for RPA operators. Contractors are not authorized to operate on unmanned platforms in the same capacity as airmen, yet will be paid more for their work. This solution is not sustainable due to cost and the limits on missions performed by contractor pilots. To avoid this less than optimal temporary solution and improve retention, the Committee supports the use of critical skill bonus payments in order to direct and incentivize talent specifically for the RPA platform. The Committee believes skill bonus payments are not meant to support parity

among platforms or services but to acknowledge the scarcity of an indispensable skill. The critical need for RPA pilots will continue to be an enduring requirement for the Air Force, and the Committee directs the Secretary of the Air Force to provide additional solutions.

MILITARY PERSONNEL, ARMY

Appropriations, 2016 .....	\$41,045,562,000
Budget estimate, 2017 .....	40,028,182,000
Committee recommendation .....	39,962,113,000

The Committee recommends an appropriation of \$39,962,113,000. This is \$66,069,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, ARMY			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY .....	6,846,876	6,846,876	.....
10	RETIRED PAY ACCRUAL .....	2,015,554	2,015,554	.....
25	BASIC ALLOWANCE FOR HOUSING .....	2,241,563	2,241,563	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE .....	285,488	285,488	.....
35	INCENTIVE PAYS .....	85,542	83,542	- 2,000
40	SPECIAL PAYS .....	367,175	367,175	.....
45	ALLOWANCES .....	212,392	212,392	.....
50	SEPARATION PAY .....	201,125	201,125	.....
55	SOCIAL SECURITY TAX .....	521,218	521,218	.....
	TOTAL, BUDGET ACTIVITY 1 .....	12,776,933	12,774,933	- 2,000
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY .....	12,429,886	12,429,886	.....
65	RETIRED PAY ACCRUAL .....	3,663,328	3,663,328	.....
80	BASIC ALLOWANCE FOR HOUSING .....	4,701,364	4,701,364	.....
85	INCENTIVE PAYS .....	90,342	90,342	.....
90	SPECIAL PAYS .....	395,840	395,840	.....
95	ALLOWANCES .....	707,120	707,120	.....
100	SEPARATION PAY .....	523,385	523,385	.....
105	SOCIAL SECURITY TAX .....	950,887	950,887	.....
	TOTAL, BUDGET ACTIVITY 2 .....	23,462,152	23,462,152	.....
110	ACTIVITY 3: PAY AND ALLOWANCES OF CADETS ACADEMY CADETS .....	81,184	81,184	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE .....	1,240,112	1,240,112	.....
120	SUBSISTENCE-IN-KIND .....	594,481	574,481	- 20,000
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE .....	813	813	.....
	TOTAL, BUDGET ACTIVITY 4 .....	1,835,406	1,815,406	- 20,000
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL .....	155,211	155,211	.....
130	TRAINING TRAVEL .....	149,240	149,240	.....
135	OPERATIONAL TRAVEL .....	428,891	428,891	.....
140	ROTATIONAL TRAVEL .....	710,007	710,007	.....
145	SEPARATION TRAVEL .....	302,576	302,576	.....
150	TRAVEL OF ORGANIZED UNITS .....	4,033	4,033	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
155	NON-TEMPORARY STORAGE .....	14,073	13,073	- 1,000
160	TEMPORARY LODGING EXPENSE .....	47,766	43,766	- 4,000
	TOTAL, BUDGET ACTIVITY 5 .....	1,811,797	1,806,797	- 5,000
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS .....	621	621	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS .....	132	132	.....
180	DEATH GRATUITIES .....	38,000	38,000	.....
185	UNEMPLOYMENT BENEFITS .....	168,656	168,656	.....
195	EDUCATION BENEFITS .....	634	634	.....
200	ADOPTION EXPENSES .....	576	576	.....
210	TRANSPORTATION SUBSIDY .....	11,284	9,435	- 1,849
215	PARTIAL DISLOCATION ALLOWANCE .....	251	251	.....
217	RESERVE OFFICER TRAINING CORPS (ROTC) .....	97,362	97,362	.....
218	JUNIOR ROTC .....	27,522	27,522	.....
	TOTAL, BUDGET ACTIVITY 6 .....	345,038	343,189	- 1,849
	LESS REIMBURSABLES .....	- 284,328	- 284,328	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 37,220	- 37,220
	TOTAL, ACTIVE FORCES, ARMY .....	40,028,182	39,962,113	- 66,069
	TOTAL, MILITARY PERSONNEL, ARMY .....	40,028,182	39,962,113	- 66,069

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
35	BA 1: PAY AND ALLOWANCES OF OFFICERS			
	Incentive Pays .....	85,542	83,542	- 2,000
	Improving funds management: Excess to requirement .....	.....	.....	- 2,000
120	BA 4: SUBSISTENCE OF ENLISTED PERSONNEL			
	Subsistence-In-Kind .....	594,481	574,481	- 20,000
	Improving funds management: Excess growth .....	.....	.....	- 20,000
155	BA 5: PERMANENT CHANGE OF STATION TRAVEL			
	Non-Temporary Storage .....	14,073	13,073	- 1,000
	Improving funds management: Excess growth .....	.....	.....	- 1,000
160	Temporary Lodging Expense .....	47,766	43,766	- 4,000
	Improving funds management: Excess growth .....	.....	.....	- 4,000
210	BA 6: OTHER MILITARY PERSONNEL COSTS			
	Transportation Subsidy .....	11,284	9,435	- 1,849
	Improving funds management: Overestimating projected targets .....	.....	.....	- 1,849
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances .....	.....	- 37,220	- 37,220

## MILITARY PERSONNEL, NAVY

Appropriations, 2016 .....	\$27,835,183,000
Budget estimate, 2017 .....	27,951,605,000
Committee recommendation .....	27,712,455,000

The Committee recommends an appropriation of \$27,712,455,000. This is \$239,150,000 below the budget estimate.



## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, NAVY			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY .....	4,120,767	4,120,767	.....
10	RETIRED PAY ACCRUAL .....	1,214,093	1,214,093	.....
25	BASIC ALLOWANCE FOR HOUSING .....	1,497,045	1,497,045	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE .....	170,255	170,255	.....
35	INCENTIVE PAYS .....	132,868	132,868	.....
40	SPECIAL PAYS .....	428,731	428,731	.....
45	ALLOWANCES .....	118,231	118,231	.....
50	SEPARATION PAY .....	47,200	46,400	- 800
55	SOCIAL SECURITY TAX .....	313,964	313,964	.....
	TOTAL, BUDGET ACTIVITY 1 .....	8,043,154	8,042,354	- 800
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY .....	8,940,145	8,940,145	.....
65	RETIRED PAY ACCRUAL .....	2,636,817	2,636,817	.....
80	BASIC ALLOWANCE FOR HOUSING .....	4,254,377	4,254,377	.....
85	INCENTIVE PAYS .....	103,685	103,685	.....
90	SPECIAL PAYS .....	752,380	752,380	.....
95	ALLOWANCES .....	544,072	544,072	.....
100	SEPARATION PAY .....	161,985	161,985	.....
105	SOCIAL SECURITY TAX .....	683,920	683,920	.....
	TOTAL, BUDGET ACTIVITY 2 .....	18,077,381	18,077,381	.....
	ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN			
110	MIDSHIPMEN .....	81,580	81,580	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE .....	804,972	804,972	.....
120	SUBSISTENCE-IN-KIND .....	378,674	378,674	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE .....	10	10	.....
	TOTAL, BUDGET ACTIVITY 4 .....	1,183,656	1,183,656	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL .....	84,530	84,530	.....
130	TRAINING TRAVEL .....	66,298	66,298	.....
135	OPERATIONAL TRAVEL .....	184,700	184,700	.....
140	ROTATIONAL TRAVEL .....	228,489	228,489	.....
145	SEPARATION TRAVEL .....	123,633	123,633	.....
150	TRAVEL OF ORGANIZED UNITS .....	24,746	24,746	.....
155	NON-TEMPORARY STORAGE .....	12,686	12,686	.....
160	TEMPORARY LODGING EXPENSE .....	16,225	16,225	.....
	TOTAL, BUDGET ACTIVITY 5 .....	741,307	741,307	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS .....	71	71	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS .....	1,060	1,060	.....
180	DEATH GRATUITIES .....	13,500	13,500	.....
185	UNEMPLOYMENT BENEFITS .....	78,956	78,956	.....
195	EDUCATION BENEFITS .....	16,505	16,505	.....
200	ADOPTION EXPENSES .....	250	250	.....
210	TRANSPORTATION SUBSIDY .....	8,434	8,434	.....
215	PARTIAL DISLOCATION ALLOWANCE .....	30	30	.....
217	RESERVE OFFICERS TRAINING CORPS (ROTC) .....	20,234	20,234	.....
218	JUNIOR ROTC .....	14,990	14,990	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, BUDGET ACTIVITY 6 .....	154,030	154,030	.....
	LESS REIMBURSABLES .....	- 329,503	- 329,503	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 238,350	- 238,350
	TOTAL, ACTIVE FORCES, NAVY .....	27,951,605	27,712,455	- 239,150
	TOTAL, MILITARY PERSONNEL, NAVY .....	27,951,605	27,712,455	- 239,150

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
50	BA 1: PAY AND ALLOWANCES OF OFFICERS			
	Separation Pay .....	47,200	46,400	- 800
	Improving funds management: Excess growth .....	.....	.....	- 800
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances .....	.....	- 238,350	- 238,350

## MILITARY PERSONNEL, MARINE CORPS

Appropriations, 2016 .....	\$12,859,152,000
Budget estimate, 2017 .....	12,813,412,000
Committee recommendation .....	12,698,935,000

The Committee recommends an appropriation of \$12,698,935,000. This is \$114,477,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, MARINE CORPS			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY .....	1,543,145	1,543,145	.....
10	RETIRED PAY ACCRUAL .....	454,866	454,866	.....
25	BASIC ALLOWANCE FOR HOUSING .....	511,997	511,997	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE .....	65,927	65,927	.....
35	INCENTIVE PAYS .....	31,661	31,661	.....
40	SPECIAL PAYS .....	3,582	3,582	.....
45	ALLOWANCES .....	35,359	35,359	.....
50	SEPARATION PAY .....	13,077	13,077	.....
55	SOCIAL SECURITY TAX .....	117,478	117,478	.....
	TOTAL, BUDGET ACTIVITY 1 .....	2,777,092	2,777,092	.....
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY .....	4,840,416	4,840,416	.....
65	RETIRED PAY ACCRUAL .....	1,425,856	1,425,856	.....
80	BASIC ALLOWANCE FOR HOUSING .....	1,557,367	1,557,367	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
85	INCENTIVE PAYS .....	9,137	9,137	.....
90	SPECIAL PAYS .....	116,757	116,757	.....
95	ALLOWANCES .....	289,349	289,349	.....
100	SEPARATION PAY .....	97,926	97,926	.....
105	SOCIAL SECURITY TAX .....	369,924	369,924	.....
	TOTAL, BUDGET ACTIVITY 2 .....	8,706,732	8,706,732	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE .....	440,800	440,800	.....
120	SUBSISTENCE-IN-KIND .....	386,455	386,455	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE .....	10	10	.....
	TOTAL, BUDGET ACTIVITY 4 .....	827,265	827,265	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL .....	64,291	64,291	.....
130	TRAINING TRAVEL .....	7,185	7,185	.....
135	OPERATIONAL TRAVEL .....	130,620	130,620	.....
140	ROTATIONAL TRAVEL .....	107,630	107,630	.....
145	SEPARATION TRAVEL .....	109,224	106,777	- 2,447
150	TRAVEL OF ORGANIZED UNITS .....	380	380	.....
155	NON-TEMPORARY STORAGE .....	7,942	7,942	.....
160	TEMPORARY LODGING EXPENSE .....	5,473	5,473	.....
	TOTAL, BUDGET ACTIVITY 5 .....	432,745	430,298	- 2,447
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS .....	395	395	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS .....	19	19	.....
180	DEATH GRATUITIES .....	12,900	12,900	.....
185	UNEMPLOYMENT BENEFITS .....	77,928	77,928	.....
195	EDUCATION BENEFITS .....	7,125	7,125	.....
200	ADOPTION EXPENSES .....	116	116	.....
210	TRANSPORTATION SUBSIDY .....	2,122	2,122	.....
215	PARTIAL DISLOCATION ALLOWANCE .....	101	101	.....
218	JUNIOR ROTC .....	3,589	3,589	.....
	TOTAL, BUDGET ACTIVITY 6 .....	104,295	104,295	.....
	LESS REIMBURSABLES .....	- 34,717	- 34,717	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 112,030	- 112,030
	TOTAL, ACTIVE FORCES, MARINE CORPS .....	12,813,412	12,698,935	- 114,477
	TOTAL, MILITARY PERSONNEL, MARINE CORPS .....	12,813,412	12,698,935	- 114,477

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
145	BA 5: PERMANENT CHANGE OF STATION TRAVEL			
	Separation Travel .....	109,224	106,777	- 2,447
	Improving funds management: Underexecuting .....	.....	.....	- 2,447
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances .....	.....	- 112,030	- 112,030

## MILITARY PERSONNEL, AIR FORCE

Appropriations, 2016 ..... \$27,679,066,000  
 Budget estimate, 2017 ..... 27,944,615,000  
 Committee recommendation ..... 27,706,468,000

The Committee recommends an appropriation of \$27,706,468,000.  
 This is \$238,147,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, AIR FORCE			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY .....	4,886,786	4,886,786	.....
10	RETIRED PAY ACCRUAL .....	1,433,571	1,433,571	.....
25	BASIC ALLOWANCE FOR HOUSING .....	1,507,570	1,507,570	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE .....	199,210	199,210	.....
35	INCENTIVE PAYS .....	230,325	228,325	- 2,000
40	SPECIAL PAYS .....	303,925	303,925	.....
45	ALLOWANCES .....	110,509	110,509	.....
50	SEPARATION PAY .....	54,540	54,540	.....
55	SOCIAL SECURITY TAX .....	373,187	373,187	.....
	TOTAL, BUDGET ACTIVITY 1 .....	9,099,623	9,097,623	- 2,000
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY .....	8,811,898	8,811,898	.....
65	RETIRED PAY ACCRUAL .....	2,591,637	2,591,637	.....
80	BASIC ALLOWANCE FOR HOUSING .....	3,674,509	3,674,509	.....
85	INCENTIVE PAYS .....	35,601	35,601	.....
90	SPECIAL PAYS .....	357,581	357,581	.....
95	ALLOWANCES .....	503,008	503,008	.....
100	SEPARATION PAY .....	109,908	109,908	.....
105	SOCIAL SECURITY TAX .....	674,109	674,109	.....
	TOTAL, BUDGET ACTIVITY 2 .....	16,758,251	16,758,251	.....
110	ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
	ACADEMY CADETS .....	72,144	72,144	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE .....	1,007,662	1,007,662	.....
120	SUBSISTENCE-IN-KIND .....	131,986	131,986	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE .....	8	8	.....
	TOTAL, BUDGET ACTIVITY 4 .....	1,139,656	1,139,656	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL .....	90,791	90,791	.....
130	TRAINING TRAVEL .....	71,207	71,207	.....
135	OPERATIONAL TRAVEL .....	265,682	265,682	.....
140	ROTATIONAL TRAVEL .....	567,998	567,998	.....
145	SEPARATION TRAVEL .....	147,938	147,938	.....
150	TRAVEL OF ORGANIZED UNITS .....	9,204	9,204	.....
155	NON-TEMPORARY STORAGE .....	23,664	23,664	.....
160	TEMPORARY LODGING EXPENSE .....	34,701	34,701	.....
	TOTAL, BUDGET ACTIVITY 5 .....	1,211,185	1,211,185	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS .....	16	16	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS .....	2,691	2,691	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
180	DEATH GRATUITIES .....	16,000	16,000	.....
185	UNEMPLOYMENT BENEFITS .....	53,431	53,431	.....
195	EDUCATION BENEFITS .....	79	79	.....
200	ADOPTION EXPENSES .....	435	435	.....
210	TRANSPORTATION SUBSIDY .....	4,841	4,434	- 407
215	PARTIAL DISLOCATION ALLOWANCE .....	723	723	.....
217	RESERVE OFFICERS TRAINING CORPS (ROTC) .....	29,445	29,445	.....
218	JUNIOR ROTC .....	18,200	16,900	- 1,300
	TOTAL, BUDGET ACTIVITY 6 .....	125,861	124,154	- 1,707
	LESS REIMBURSABLES .....	- 462,105	- 462,105	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 234,440	- 234,440
	TOTAL, ACTIVE FORCES, AIR FORCE .....	27,944,615	27,706,468	- 238,147
	TOTAL, MILITARY PERSONNEL, AIR FORCE .....	27,944,615	27,706,468	- 238,147

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: PAY AND ALLOWANCES OF OFFICERS			
35	Incentive Pays .....	230,325	228,325	- 2,000
	Improving funds management: planned underexecution .....	.....	.....	- 2,000
	BA 6: OTHER MILITARY PERSONNEL COSTS			
210	Transportation Subsidy .....	4,841	4,434	- 407
	Improving funds management: Overestimating projected targets .....	.....	.....	- 407
218	Junior ROTC .....	18,200	16,900	- 1,300
	Improving funds management: Overestimating projected targets .....	.....	.....	- 1,300
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances .....	.....	- 234,440	- 234,440

## RESERVE PERSONNEL, ARMY

Appropriations, 2016 .....	\$4,463,164,000
Budget estimate, 2017 .....	4,561,703,000
Committee recommendation .....	4,466,763,000

The Committee recommends an appropriation of \$4,466,763,000. This is \$94,940,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, ARMY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48) .....	1,549,028	1,549,028	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY) .....	41,018	41,018	.....
30	PAY GROUP F TRAINING (RECRUITS) .....	216,524	216,524	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS) .....	11,514	11,514	.....
60	MOBILIZATION TRAINING .....	326	326	.....
70	SCHOOL TRAINING .....	224,758	224,758	.....
80	SPECIAL TRAINING .....	281,611	281,611	.....
90	ADMINISTRATION AND SUPPORT .....	2,120,835	2,115,835	- 5,000
100	EDUCATION BENEFITS .....	4,124	4,124	.....
120	HEALTH PROFESSION SCHOLARSHIP .....	59,937	59,937	.....
130	OTHER PROGRAMS (ADMIN & SUPPORT) .....	52,028	52,028	.....
	TOTAL, BUDGET ACTIVITY 1 .....	4,561,703	4,556,703	- 5,000
	UNDISTRIBUTED ADJUSTMENT .....		- 89,940	- 89,940
	TOTAL RESERVE PERSONNEL, ARMY .....	4,561,703	4,466,763	- 94,940

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
90	BA 1: ARMY RESERVE TRAINING AND SUPPORT			
	Administration and Support .....	2,120,835	2,115,835	- 5,000
	Improving funds management: Unjustified growth .....	.....	.....	- 5,000
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances ...	.....	- 89,940	- 89,940

## RESERVE PERSONNEL, NAVY

Appropriations, 2016 .....	\$1,866,891,000
Budget estimate, 2017 .....	1,924,155,000
Committee recommendation .....	1,918,395,000

The Committee recommends an appropriation of \$1,918,395,000. This is \$5,760,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, NAVY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48) .....	625,660	625,660	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY) .....	7,369	7,369	.....
30	PAY GROUP F TRAINING (RECRUITS) .....	62,904	62,904	.....
60	MOBILIZATION TRAINING .....	8,732	8,732	.....
70	SCHOOL TRAINING .....	50,441	50,441	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
80	SPECIAL TRAINING .....	112,504	112,504	.....
90	ADMINISTRATION AND SUPPORT .....	1,004,041	1,004,041	.....
100	EDUCATION BENEFITS .....	105	105	.....
120	HEALTH PROFESSION SCHOLARSHIP .....	52,399	52,399	.....
	TOTAL, BUDGET ACTIVITY 1 .....	1,924,155	1,924,155	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	-5,760	-5,760
	TOTAL, RESERVE PERSONNEL, NAVY .....	1,924,155	1,918,395	-5,760

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances .....	.....	-5,760	-5,760

## RESERVE PERSONNEL, MARINE CORPS

Appropriations, 2016 .....	\$702,481,000
Budget estimate, 2017 .....	744,995,000
Committee recommendation .....	743,265,000

The Committee recommends an appropriation of \$743,265,000. This is \$1,730,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, MARINE CORPS			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48) .....	274,555	274,555	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY) .....	43,539	43,539	.....
30	PAY GROUP F TRAINING (RECRUITS) .....	124,902	124,902	.....
60	MOBILIZATION TRAINING .....	2,096	2,096	.....
70	SCHOOL TRAINING .....	24,607	24,607	.....
80	SPECIAL TRAINING .....	29,000	29,000	.....
90	ADMINISTRATION AND SUPPORT .....	237,484	237,484	.....
95	PLATOON LEADER CLASS .....	8,124	8,124	.....
100	EDUCATION BENEFITS .....	688	688	.....
	TOTAL, BUDGET ACTIVITY 1 .....	744,995	744,995	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	-1,730	-1,730
	TOTAL, RESERVE PERSONNEL, MARINE CORPS .....	744,995	743,265	-1,730

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances .....		-1,730	-1,730

## RESERVE PERSONNEL, AIR FORCE

Appropriations, 2016 .....	\$1,682,942,000
Budget estimate, 2017 .....	1,742,906,000
Committee recommendation .....	1,715,360,000

The Committee recommends an appropriation of \$1,715,360,000. This is \$27,546,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, AIR FORCE			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48) .....	696,068	696,068	
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY) .....	98,133	98,133	
30	PAY GROUP F TRAINING (RECRUITS) .....	55,568	53,832	-1,736
40	PAY GROUP P TRAINING (PIPELINE RECRUITS) .....	2,559	2,559	
60	MOBILIZATION TRAINING .....	703	703	
70	SCHOOL TRAINING .....	159,593	155,563	-4,030
80	SPECIAL TRAINING .....	244,844	244,844	
90	ADMINISTRATION AND SUPPORT .....	409,615	409,615	
100	EDUCATION BENEFITS .....	12,533	12,533	
120	HEALTH PROFESSION SCHOLARSHIP .....	60,301	60,301	
130	OTHER PROGRAMS (ADMIN & SUPPORT) .....	2,989	2,989	
	TOTAL, BUDGET ACTIVITY 1 .....	1,742,906	1,737,140	-5,766
	UNDISTRIBUTED ADJUSTMENT .....		-21,780	-21,780
	TOTAL, RESERVE PERSONNEL, AIR FORCE .....	1,742,906	1,715,360	-27,546

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: AIR FORCE RESERVE TRAINING AND SUPPORT			
30	Pay Group F Training (Recruits) .....	55,568	53,832	-1,736
	Improving funds management: Unjustified growth .....			-1,736
70	School Training .....	159,593	155,563	-4,030
	Improving funds management: Unjustified growth .....			-4,030



[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances ...	.....	-21,780	-21,780

### NATIONAL GUARD PERSONNEL, ARMY

Appropriations, 2016 .....	\$7,892,327,000
Budget estimate, 2017 .....	7,910,694,000
Committee recommendation .....	7,781,224,000

The Committee recommends an appropriation of \$7,781,224,000. This is \$129,470,000 below the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	NATIONAL GUARD PERSONNEL, ARMY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48) .....	2,561,418	2,561,418	.....
30	PAY GROUP F TRAINING (RECRUITS) .....	551,868	550,868	-1,000
40	PAY GROUP P TRAINING (PIPELINE RECRUITS) .....	46,202	46,202	.....
70	SCHOOL TRAINING .....	546,563	546,563	.....
80	SPECIAL TRAINING .....	570,009	576,909	+6,900
90	ADMINISTRATION AND SUPPORT .....	3,632,138	3,632,138	.....
100	EDUCATION BENEFITS .....	2,496	2,496	.....
	TOTAL, BUDGET ACTIVITY 1 .....	7,910,694	7,916,594	+5,900
	UNDISTRIBUTED ADJUSTMENT .....	.....	-135,370	-135,370
	TOTAL, NATIONAL GUARD PERSONNEL, ARMY .....	7,910,694	7,781,224	-129,470

### COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: ARMY NATIONAL GUARD TRAINING AND SUPPORT			
30	Pay Group F Training (Recruits) .....	551,868	550,868	-1,000
	Improving funds management: Unjustified growth .....	.....	.....	-1,000
80	Special Training .....	570,009	576,909	+6,900
	Army National Guard Cyber Protection Teams .....	.....	.....	+6,900
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances ...	.....	-136,960	-136,960
	Program increase: Trauma training .....	.....	1,590	+1,590

## NATIONAL GUARD PERSONNEL, AIR FORCE

Appropriations, 2016 .....	\$3,201,890,000
Budget estimate, 2017 .....	3,280,065,000
Committee recommendation .....	3,271,538,000

The Committee recommends an appropriation of \$3,271,538,000. This is \$8,527,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

(In thousands of dollars)

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	NATIONAL GUARD PERSONNEL, AIR FORCE			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48) .....	934,650	934,650	.....
30	PAY GROUP F TRAINING (RECRUITS) .....	131,022	123,022	- 8,000
40	PAY GROUP P TRAINING (PIPELINE RECRUITS) .....	10,555	10,555	.....
70	SCHOOL TRAINING .....	349,904	349,904	.....
80	SPECIAL TRAINING .....	167,077	167,077	.....
90	ADMINISTRATION AND SUPPORT .....	1,678,355	1,678,355	.....
100	EDUCATION BENEFITS .....	8,502	8,502	.....
	TOTAL, BUDGET ACTIVITY 1 .....	3,280,065	3,272,065	- 8,000
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 527	- 527
	TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE .....	3,280,065	3,271,538	- 8,527

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(In thousands of dollars)

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
30	BA 1: AIR NATIONAL GUARD TRAINING AND SUPPORT			
	Pay Group F Training (Recruits) .....	131,022	123,022	- 8,000
	Improving funds management: Unjustified growth ..	.....	.....	- 8,000
	UNDISTRIBUTED ADJUSTMENT			
	Improving funds management: Unobligated balances .....	.....	- 1,840	- 1,840
	Program increase: Trauma training .....	.....	1,313	+ 1,313

TITLE II

OPERATION AND MAINTENANCE

Funds appropriated under this title provide the resources required to prepare for and conduct combat operations and other peace time missions. These funds are used to purchase fuel and spare parts for training operations, pay supporting civilian personnel, and purchase supplies, equipment, and service contracts for the repair of weapons and facilities.

The President's fiscal year 2017 budget requests a total of \$171,318,488,000 for operation and maintenance appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends operation and maintenance appropriations totaling \$170,698,913,000 for fiscal year 2017. This is \$619,575,000 below the budget estimate.

Committee recommended operation and maintenance appropriations for fiscal year 2017 are summarized below:

SUMMARY OF OPERATION AND MAINTENANCE APPROPRIATIONS

[In thousands of dollars]

Account	2017 budget estimate	Committee recommendation	Change from budget estimate
Operation and Maintenance:			
Operation and Maintenance, Army .....	33,809,040	33,550,500	- 258,540
Operation and Maintenance, Navy .....	39,483,581	39,590,181	+ 106,600
Operation and Maintenance, Marine Corps .....	5,954,258	6,000,258	+ 46,000
Operation and Maintenance, Air Force .....	37,518,056	37,260,692	- 257,364
Operation and Maintenance, Defense-Wide .....	32,571,590	32,478,682	- 92,908
Operation and Maintenance, Army Reserve .....	2,712,331	2,704,531	- 7,800
Operation and Maintenance, Navy Reserve .....	927,656	927,656	.....
Operation and Maintenance, Marine Corps Reserve .....	270,633	270,633	.....
Operation and Maintenance, Air Force Reserve .....	3,067,929	3,050,929	- 17,000
Operation and Maintenance, Army National Guard .....	6,825,370	6,765,385	- 59,985
Operation and Maintenance, Air National Guard .....	6,703,578	6,600,000	- 103,578
United States Court of Appeals for the Armed Forces .....	14,194	14,194	.....
Environmental Restoration, Army .....	170,167	170,167	.....
Environmental Restoration, Navy .....	281,762	281,762	.....
Environmental Restoration, Air Force .....	371,521	371,521	.....
Environmental Restoration, Defense-Wide .....	9,009	9,009	.....
Environmental Restoration, Formerly Used Defense Sites .....	197,084	207,084	+ 10,000
Overseas Humanitarian, Disaster, and Civic Aid .....	105,125	120,125	+ 15,000
Cooperative Threat Reduction Account .....	325,604	325,604	.....
<b>Total .....</b>	<b>171,318,488</b>	<b>170,698,913</b>	<b>- 619,575</b>

REPROGRAMMING GUIDANCE FOR OPERATION AND MAINTENANCE ACCOUNTS

The Committee directs the Secretary of Defense to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year

2017 appropriation accounts not later than 60 days after the enactment of this act. The Secretary of Defense is prohibited from executing any reprogramming or transfer of funds for any purpose other than originally appropriated until the aforementioned report is submitted to the House and Senate Appropriations Committees.

The Committee directs the Secretary of Defense to use the normal prior approval reprogramming procedures to transfer funds in the services' operation and maintenance accounts between O-1 budget activities in excess of \$15,000,000. In addition, the Secretary of Defense should follow prior approval reprogramming procedures for transfers in excess of \$15,000,000 out of the following budget sub-activities:

Army:

- Maneuver units
- Modular support brigades
- Land forces operations support
- Force readiness operations support
- Land forces depot maintenance
- Base operations support
- Facilities Sustainment, Restoration, and Modernization

Navy:

- Aircraft depot maintenance
- Ship depot maintenance
- Facilities Sustainment, Restoration, and Modernization

Marine Corps:

- Depot maintenance
- Facilities Sustainment, Restoration, and Modernization

Air Force:

- Primary combat forces
- Combat enhancement forces
- Combat communications
- Facilities Sustainment, Restoration, and Modernization

Air Force Reserve:

- Depot maintenance

Air National Guard:

- Depot maintenance

Additionally, the Secretary of Defense should follow prior approval reprogramming procedures for transfers in excess of \$15,000,000 into the following budget sub-activity:

Operation and Maintenance, Army National Guard:

- Other personnel support/recruiting and advertising

With respect to Operation and Maintenance, Defense-Wide, proposed transfers of funds to or from the levels specified for defense agencies in excess of \$15,000,000 shall be subject to prior approval reprogramming procedures.

During fiscal year 2017, the Committee directs the Service Secretaries to submit written notification and justification to the congressional defense committees not later than 15 days prior to implementing transfers in excess of \$15,000,000 out of the following budget sub-activities:

Navy:

- Mission and other flight operations
- Mission and other ship operations

Air Force:

Operating forces depot maintenance  
 Mobilization depot maintenance  
 Training and recruiting depot maintenance  
 Administration and service-wide depot maintenance

These transfers may be implemented 15 days after a congressional notification unless an objection is received from one of the congressional defense committees.

#### OPERATION AND MAINTENANCE BUDGET EXECUTION DATA

The Committee directs the Secretary of Defense to continue to provide the congressional defense committees with quarterly budget execution data. Such data should be provided not later than 45 days after the close of each quarter of the fiscal year, and should be provided for each O-1 budget activity, activity group, and sub-activity group for each of the active, defense-wide, reserve, and National Guard components. For each O-1 budget activity, activity group, and sub-activity group, these reports should include the budget request and actual obligation amount, the distribution of unallocated congressional adjustments to the budget request, all adjustments made by the Department in establishing the Base for Reprogramming (DD Form 1414) report, all adjustments resulting from below threshold reprogrammings, and all adjustments resulting from prior approval reprogramming requests.

#### OPERATION AND MAINTENANCE SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or have been specifically reduced as shown in the project level tables or in paragraphs using the phrase "only for" or "only to" in the Committee report are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount as specifically addressed in the Committee report. Below Threshold Reprogrammings may not be used to either restore or reduce funding from congressional special interest items as identified on the DD Form 1414.

#### OPERATION AND MAINTENANCE OVERVIEW

*Readiness.*—The Committee recommends an additional \$1,450,000,000 in title VIII and \$1,000,000,000 in title IX of this act to be transferred to the operation and maintenance accounts and be divided proportionately among the services and the National Guard and reserve components. This funding shall be used only to improve military readiness, including increased training, depot maintenance, and base operations support. None of the funding provided may be used for recruiting, marketing, or advertising programs. The funding provided is a congressional special interest item. The Secretary of Defense and the Service Secretaries are directed to submit a detailed spending plan by sub-activity group to the House and Senate Appropriations Committees not less than 30 days prior to the obligation of these funds. These transfers may be implemented 30 days after congressional notification unless an objection is received from either the House or Senate Appropriations Committees.

*Civilian Workforce.*—The Committee expects the Department of Defense to maintain a stable, effective, right-sized civilian cadre. The Committee recognizes the critical role that the civilian workforce plays every day in ensuring the mission success of the Armed Forces and fully funds the 1.6 percent pay raise for civilian personnel as requested.

*Workforce Management.*—The Committee supports a workforce management plan that is fair for all sectors of the workforce. Decisions on sourcing new work, expanding existing responsibilities, or transferring functions currently performed by civilian personnel or contractors to performance by military personnel must not proceed without comparing the costs according to the Department's own methodology. Therefore, decisions whether to assign new work which is not inherently governmental, closely associated with inherently governmental functions, or critical to military, civilian, or contractor personnel, shall be based on the results of the costing methodology laid out in Department of Defense Instruction [DODI] 7041.04. Additionally, before converting functions performed by civilian personnel or contractors to performance by military personnel that are not required by law or regulation to be performed by military personnel, the Department shall adhere to its own costing methodology laid out in DODI 7041.04.

*Contract Services Spending.*—The Committee is concerned that the Department of Defense does not have adequate policies, procedures, and controls in place to enforce limitations on the annual amounts expended on contracted services. There is further concern that not all contracted services are being subjected to spending limitations because of the exclusion of contracted services involving Economy Act transfers between and within Department of Defense components. Additionally, because of the disparity between the levels of contracted services captured in the Inventory of Contracts for Services, required under section 2330a of title 10, United States Code, and what the Department budgets for contracted services, it appears as though the Department does not deliberately plan for most contracted services. The Committee urges the Under Secretary of Defense (Comptroller) to review the efforts of the financial management and acquisition communities to implement effective control mechanisms for contracted services spending.

*Operation and Maintenance Budget Justification.*—The Committee commends the Department for the improvements in the Operation and Maintenance [O&M] budget materials made over the past several years. To further inform the congressional review, the Committee directs the following actions:

- The budget justification materials shall include the OP–8B: Total Civilian Personnel Costs for every appropriation as a part of the President's budget justification for fiscal year 2018 and thereafter.
- Every subactivity group in O&M that funds recruiting and advertising activities shall include the budget profile broken out by recruiting and advertising for the prior year, current year, and budget year as a part of the performance criteria in the OP–5 exhibit. This shall be provided with the President's budget justification for fiscal year 2018 and thereafter.

- Each OP–5 exhibit includes a personnel summary which provides helpful information about the civilian workforce. However, the way it is displayed includes memo entries for military technicians and reimbursable civilians, which makes it difficult to quickly analyze direct hire full time equivalents [FTEs]. The Office of the Under Secretary of Defense (Comptroller) is directed to revise the personnel summary section of the OP–5 exhibit to maintain the categories of information provided (including military technicians and reimbursable civilians) but to breakout the numbers without using memo entries.
- The Department’s Financial Management Regulations [FMR] directs the services and defense agencies to itemize major program changes and provide the baseline in dollars to which the increase or decrease applies on the OP–5 exhibit. The Department of the Navy is directed to use the most specific programmatic baseline possible, regardless of whether or not the program baseline is listed in the performance criteria.
- The FMR provides specific instructions for the performance criteria for base operations support (Exhibit OP–5 Base Support Program (Attachment 8)). The Air Force is directed to follow this outline; particularly the instruction that says that the sum of amounts must match the Base Support total in the O–1 exhibit.
- The Department of the Air Force is encouraged to consider consolidating the Base Support and Facilities Sustainment, Restoration and Modernization budget line items from four budget activities down to one budget activity.
- The Department of the Air Force and the Marine Corps are encouraged to begin utilizing OP–32 line 990 Information Technology Contract Support Services.
- The Office of Economic Adjustment’s budget documentation in O&M Defense-wide shall include the budget profile of each major program for the prior year, current year, and budget year as a part of the performance criteria in the OP–5 exhibit. Examples of major programs would be Program Assistance, Defense Industry Adjustment, and Guam.

*Tobacco Use in the Military.*—Tobacco use is the leading cause of preventable death in the United States, with more than 480,000 deaths attributable to cigarette smoking each year. The Department of Defense has affirmed the goal of a tobacco-free military, and has implemented a range of programs including public education campaigns, the banning of all tobacco use during basic training, and the prohibition of tobacco use by instructors in the presence of students. The Committee supports the Secretary of Defense’s Policy Memorandum 16–001 from April 8, 2016, directing the military services “to ensure a comprehensive tobacco policy that assists with preventing initiation of tobacco use, helping those who want to quit using tobacco succeed, and decreasing exposure to second-hand smoke for all our people.” As a result, the Committee retains a provision from the Department of Defense Appropriations Act, 2016 (Public Law 114–113) directing the elimination of the price subsidy provided to tobacco products at military exchanges.

*Voluntary Military Education Programs—Tracking Outcomes.*—The Committee remains concerned about the lack of information

available on the outcomes of students receiving Tuition Assistance and My Career Advancement Account [MyCAA] benefits. The Committee directed the Secretary of Defense to submit a report tracking such outcomes of each of these programs on or before June 1, 2016, as part of the Department of Defense Appropriations Act, 2016 (Public Law 114–113). The Committee looks forward to receiving this report as soon as possible, and it shall include, but not be limited to, the following data totals for the most recent calendar year available: an aggregate graduation rate, loan default rate, and average indebtedness. Additionally, the report shall then disaggregate the data to show these same metrics by sector: public, private for-profit, and private not-for-profit. Finally, the report shall include the percentage of servicemembers utilizing the Top-Up program for voluntary military education and the average dollar amount of usage. The Department is also encouraged to make an effort to gather data on the jobs attained after graduation, specifically whether those jobs can be reasonably said to be in the field of study identified in the students' education plans.

*Voluntary Military Education Programs—Enforcing Memorandum of Understanding.*—The Committee supports the Department of Defense's commitment to enforcing the terms of the current Memorandum of Understanding [MOU] with all educational institutions providing educational programs through the Department of Defense tuition assistance program. The Committee is also supportive of the Department's efforts to increase participating institutions' understanding of their contractual obligations as MOU signatories and the procedures for enforcement as outlined in Department of Defense Instruction [DODI] 1322.25. The Committee urges the Department to maintain vigorous defense of these responsibilities in order to protect the integrity and quality of voluntary military education programs.

*Item Unique Identification Implementation.*—The Committee supports the Department of Defense's goal of enhancing asset visibility through item-unique identification [IUID] and automatic identification technology/automatic identification and data capture [AIT/AIDC] processes, but remains concerned with the level of the compliance with its own IUID policy which was released on September 3, 2015. The Committee believes the Department of Defense must improve its efforts to capture meaningful data and mark, track and verify assets to enable life-cycle management, implement asset valuation/accountability for audit readiness, and support counterfeit part risk reduction. Any successful asset visibility or AIT/AIDC strategy requires continuous identification, integration, and monitoring of efforts. The committee urges the Department and the services to increase their oversight of the implementation of IUID and other AIT/AIDC policies.

*Counterfeit Parts.*—The Department of Defense has taken significant steps since legislation was enacted in 2012 to reduce the risk of counterfeit electronic parts entering into Department of Defense weapon systems. Although responsibility for eliminating risk of counterfeit parts belongs to industry suppliers to the Department of Defense at all tiers, the Committee encourages the Secretary of Defense to be proactive about identifying, developing, and validating independent tools that suppliers could easily use to rapidly



identify counterfeit electronics in the supply chain accurately and at low cost.

*Training Ranges.*—The services rely on national air ranges and military operating areas to provide realistic combined-arms training for pilots against a variety of targets and simulated threats. The Committee is aware that the services augment the national ranges by maintaining a network of regional air training ranges with air to ground targeting areas that are essential to maintain the proficiency and readiness for pilots and aircrews who do not have consistent access to national ranges. Regional ranges and exercises have the potential to offer valuable cost savings measures and a means for flying units to satisfy training requirements in a limited fiscal environment. Therefore, the Committee encourages the Secretary of Defense to establish an investment strategy for the preservation and enhancement of regional ranges and exercises needed to provide live training for aircrews across the full spectrum of operations.

*Federal Fleet Management Transparency and Metrics.*—The Committee encourages the Secretary of Defense to maintain supporting documentation on the methods the Department of Defense uses for determining optimal fleet inventories and justification for any deviation from the General Services Administration's Federal Property Management Regulations.

*Children's Advocacy Centers [CACs].*—Children's Advocacy Centers [CACs] are a community-based, public-private partnership that brings together professionals from law enforcement, prosecution, medical, mental health, child protective services, and victim advocacy agencies to pursue the truth in child abuse investigations. The Committee applauds existing efforts undertaken by military bases to enter into voluntary memoranda of understanding with CACs in their communities, which allow CACs to provide their services to military families affected by child abuse. The Committee encourages the Department of Defense and military bases across the country to continue to voluntarily collaborate with CACs in their communities to serve the best interests of child abuse victims within military families.

*Cyber Kinetic Combat Environment.*—The Committee is encouraged by current progress to address training shortfalls in the cyber kinetic combat environment. Particularly, the Committee supports the Air Force's efforts to identify a training environment where they can replicate combat conditions and perform simultaneous operations, cyber-enabled kinetic operations, or physically-enabled cyber operations. Adversaries continue to develop asymmetric and cyber capabilities which put U.S. and allied forces at risk. The Committee encourages developing this training as a priority for the Department of Defense.

*Transparency Requirement.*—The Committee is aware that the Department of Defense does a variety of different types of advertising. The Committee directs the Secretary of Defense to clearly state within the text, audio or video used for advertising or educational purposes, including emails or advertising/posting on the Internet, that the communication is printed, published, or produced and disseminated at U.S. taxpayer expense.

*Resourcing the Arctic Strategy.*—As previously expressed in Senate Report 114–63, the Committee requires greater budgetary detail on amounts included in the President’s request for implementation of the Department of Defense 2013 Arctic Strategy. The Committee notes that contrary to previous direction, that information was not provided with the submission of the fiscal year 2017 President’s budget. The Committee reiterates its direction contained in Senate Report 114–63 for the fiscal year 2018 President’s budget, and directs that not more than 50 percent of funds appropriated for the Office of Under Secretary of Defense (Policy) may be obligated or expended until the previously requested information has been provided to the congressional defense committees.

*Cyber Mission Force Training and Readiness.*—The Committee supports efforts by the Department of Defense to grow a capable and trained cyber mission force, however, the Department is experiencing challenges in providing necessary training for military personnel in a timeframe that meets the demand. Given the urgent need to develop a capable cyber mission force, the Committee recommends that the Secretary of Defense, in coordination with the Service Secretaries and the Active and Reserve components, develop a strategy to address the current training delay, to include procedures and plans to increase training opportunities. The strategy should include an assessment of the feasibility of expanding training to sites with Active or Reserve components with secure infrastructure and qualified cyber personnel, including aggressor units and cyber red team units, capable of training military personnel in various cyber missions.

*Cyber Mission Force Training Curriculum.*—The Committee recognizes the need for the U.S. military to have the most competitive cyber-security force in the world, both in offense and defense. The Committee also recognizes that hacking contests, such as the CyberStakes platform, offer a scalable platform that achieves an ever increasing level of competence among participants. The Committee directs the Director of Force Readiness and Training to develop, as part of the cyber training curriculum, a competitive hacking environment that includes the ability for participants to build novel working exploits and defend against them. The Director shall report back to the Committee within 120 days after enactment of this act on the training environment and steps that will be taken to measure participant capabilities.

*National Security Planning.*—The Committee commends the Under Secretary of Defense for Policy on its steps to mitigate the national security implications of environmental impacts, as required by Senate Report 113–211 (July 17, 2014). The Committee supports the Under Secretary’s continued direction to address the most serious risks for each of the geographic Combatant Commands, and how those commands are integrating mitigation of those risks into their planning processes. The Committee encourages the Under Secretary of Defense for Policy and the Chairman of the Joint Chiefs of Staff to continue to assess the risks to national security posed by environmental impacts as they plan and execute the National Security Strategy.

## OPERATION AND MAINTENANCE, ARMY

Appropriations, 2016 ..... \$32,399,440,000  
 Budget estimate, 2017 ..... 33,809,040,000  
 Committee recommendation ..... 33,550,500,000

The Committee recommends an appropriation of \$33,550,500,000.  
 This is \$258,540,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS .....	791,450	791,450	.....
20	MODULAR SUPPORT BRIGADES .....	68,373	68,373	.....
30	ECHELONS ABOVE BRIGADES .....	438,823	438,823	.....
40	THEATER LEVEL ASSETS .....	660,258	650,258	- 10,000
50	LAND FORCES OPERATIONS SUPPORT .....	863,928	863,928	.....
60	AVIATION ASSETS .....	1,360,597	1,360,597	.....
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT .....	3,086,443	3,043,603	- 42,840
80	LAND FORCES SYSTEMS READINESS .....	439,488	439,488	.....
90	LAND FORCES DEPOT MAINTENANCE .....	1,013,452	1,013,452	.....
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT .....	7,816,343	7,816,343	.....
110	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION .....	2,234,546	2,284,546	+ 50,000
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	452,105	452,105	.....
130	COMBATANT COMMANDER'S CORE OPERATIONS .....	155,658	155,658	.....
170	COMBATANT COMMANDERS ANCILLARY MISSIONS .....	441,143	441,143	.....
	TOTAL, BUDGET ACTIVITY 1 .....	19,822,607	19,819,767	- 2,840
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
180	STRATEGIC MOBILITY .....	336,329	336,329	.....
190	ARMY PREPOSITIONED STOCKS .....	390,848	390,848	.....
200	INDUSTRIAL PREPAREDNESS .....	7,401	7,401	.....
	TOTAL, BUDGET ACTIVITY 2 .....	734,578	734,578	.....
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
210	OFFICER ACQUISITION .....	131,942	131,942	.....
220	RECRUIT TRAINING .....	47,846	47,846	.....
230	ONE STATION UNIT TRAINING .....	45,419	45,419	.....
240	SENIOR RESERVE OFFICERS TRAINING CORPS .....	482,747	482,747	.....
	BASIC SKILL AND ADVANCED TRAINING			
250	SPECIALIZED SKILL TRAINING .....	921,025	921,025	.....
260	FLIGHT TRAINING .....	902,845	902,845	.....
270	PROFESSIONAL DEVELOPMENT EDUCATION .....	216,583	216,583	.....
280	TRAINING SUPPORT .....	607,534	593,534	- 14,000
	RECRUITING AND OTHER TRAINING AND EDUCATION			
290	RECRUITING AND ADVERTISING .....	550,599	550,599	.....
300	EXAMINING .....	187,263	187,263	.....
310	OFF-DUTY AND VOLUNTARY EDUCATION .....	189,556	189,556	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
320	CIVILIAN EDUCATION AND TRAINING .....	182,835	182,835	.....
330	JUNIOR RESERVE OFFICERS TRAINING CORPS .....	171,167	176,667	+ 5,500
	TOTAL, BUDGET ACTIVITY 3 .....	4,637,361	4,628,861	- 8,500
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
350	SERVICEWIDE TRANSPORTATION .....	230,739	230,739	.....
360	CENTRAL SUPPLY ACTIVITIES .....	850,060	850,060	.....
370	LOGISTICS SUPPORT ACTIVITIES .....	778,757	743,757	- 35,000
380	AMMUNITION MANAGEMENT .....	370,010	370,010	.....
	SERVICEWIDE SUPPORT			
390	ADMINISTRATION .....	451,556	451,556	.....
400	SERVICEWIDE COMMUNICATIONS .....	1,888,123	1,896,523	+ 8,400
410	MANPOWER MANAGEMENT .....	276,403	276,403	.....
420	OTHER PERSONNEL SUPPORT .....	369,443	344,443	- 25,000
430	OTHER SERVICE SUPPORT .....	1,096,074	1,096,074	.....
440	ARMY CLAIMS ACTIVITIES .....	207,800	207,800	.....
450	REAL ESTATE MANAGEMENT .....	240,641	240,641	.....
460	FINANCIAL MANAGEMENT AND AUDIT READINESS .....	250,612	250,612	.....
	SUPPORT OF OTHER NATIONS			
470	INTERNATIONAL MILITARY HEADQUARTERS .....	416,587	416,587	.....
480	MISC. SUPPORT OF OTHER NATIONS .....	36,666	36,666	.....
	OTHER PROGRAMS .....	1,151,023	1,120,423	- 30,600
	TOTAL, BUDGET ACTIVITY 4 .....	8,614,494	8,532,294	- 82,200
	EXCESS WORKING CAPITAL FUND CARRYOVER .....	.....	- 150,000	- 150,000
	PROGRAMMED SAVINGS UNACCOUNTED FOR .....	.....	- 15,000	- 15,000
	TOTAL, OPERATION AND MAINTENANCE, ARMY .....	33,809,040	33,550,500	- 258,540

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
114	Theater Level Assets .....	660,258	650,258	- 10,000
	Maintain program affordability: Unjustified growth .....	.....	.....	- 10,000
121	Force Readiness Operations Support .....	3,086,443	3,043,603	- 42,840
	Improving funds management: Program decrease unaccounted for .....	.....	.....	- 43,000
	Program Increase: Trauma training .....	.....	.....	+ 160
132	Facilities Sustainment, Restoration & Modernization .....	2,234,546	2,284,546	+ 50,000
	Program Increase: Army unfunded requirements .....	.....	.....	+ 50,000
324	Training Support .....	607,534	593,534	- 14,000
	Maintain program affordability: Unjustified growth .....	.....	.....	- 14,000
335	Junior Reserve Officer Training Corps .....	171,167	176,667	+ 5,500
	Program increase .....	.....	.....	+ 5,500
423	Logistic Support Activities .....	778,757	743,757	- 35,000
	Improving funds management: Program decrease unaccounted for .....	.....	.....	- 35,000
432	Servicewide Communications .....	1,888,123	1,896,523	+ 8,400
	Program increase: Biometrics Identity Management Activity .....	.....	.....	+ 8,400
434	Other Personnel Support .....	369,443	344,443	- 25,000
	Improving funds management: Program decrease unaccounted for .....	.....	.....	- 25,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
999	Classified Programs .....	1,151,023	1,120,423	– 30,600
	Classified adjustment .....			– 6,600
	Maintain program affordability: Unjustified growth for OPM rates .....			– 24,000
UNDIST	Improving funds management: Working Capital Fund carry-over .....		– 150,000	– 150,000
UNDIST	Improving funds management: Programmed savings unaccounted for .....		– 15,000	– 15,000

*Excess Carryover in the Army Working Capital Fund.*—The Committee recommends an adjustment to Operation and Maintenance, Army based on excess carryover in the Army Working Capital Fund. Carryover, or unfilled orders, represents the dollar value of the production orders (parts, labor, and overhead) that have been ordered and funded by customers but not completed by the industrial operations activities at the end of each fiscal year. Some carryover is necessary, as it provides lead time to assemble necessary workforce skill sets, to establish supply chains. Carryover also prevents production line stoppages and ensures the activities have funded work to provide a smooth transition between fiscal years. Therefore, for budgeting purposes, there are metrics that the services use to calculate an allowable amount of carryover. But the fiscal year 2017 President’s budget request shows that the Army’s projection for carryover will be above the allowable limit.

The Committee urges Army leadership to continue monitoring carryover and production goals on a recurring basis. The Committee also encourages the Army to focus on further reducing carryover by leveraging new policy and process improvements aimed at increasing production, improving customer-provider communication, and strengthening controls over the acceptance of new orders. Finally, the Committee affirms that the key to reducing carryover below the allowable limit is for the Army to perform more work on orders than the amount of orders received in a year.

*Joint Base Elmendorf-Richardson.*—The Committee is supportive of the Army’s decision to delay the removal of 2,600 Soldiers from the 4–25 Infantry Brigade Combat Team (Airborne) stationed at Joint Base Elmendorf-Richardson [JBER]. The decision to retain JBER’s force structure signals that the Army remains dedicated to supporting the strategic balance to the Pacific, preserving a leading role in the Arctic, and preventing North Korean and Russian aggression by maintaining key assets in Alaska. However, the Committee questions the Army’s decision to delay instead of reverse its plans for JBER and expects a continued effort by the Army to recognize the mission and strategic value of the 4–25 as the only airborne brigade in the Pacific.

*Productivity Enhancement Program.*—The Department of Defense’s organic depot maintenance capability is vital to our military’s sustainment infrastructure. The Committee encourages the Secretary of the Army to modernize the organic depots’ Electronic Test and Measurement Equipment [ET&ME] and Product Lifecycle Management Software to allow cost savings in future maintenance and calibration expenditures.

*Army Training and Certification Tracking System [ATCTS].—*The Army Training and Certification Tracking System provides managers a capability to report and manage training and certification statistics for the Information Assurance [IA] workforce to ensure the security of information technology. The Committee recognizes the effectiveness of this program and encourages the Secretary of the Army to consider expanding it based on the growing threat of cyber-attacks and the need to ensure personnel have the proper training and certification to deal with appropriate sensitive material.

*Soldier for Life—Transition Assistance Program.—*The Soldier for Life-Transition Assistance Program [SFL-TAP] provides transitioning and retiring soldiers, family members, and Army civilians job training assistance and helps develop skills they require to obtain appropriate employment and to maximize the use of benefits earned through new employment. SFL-TAP also provides outreach services to soldiers stationed in remote and isolated locations through the use of 24/7 virtual counseling or Mobile Transition Teams. The Committee recognizes the need to successfully transition soldiers from military to civilian life and the requirement to transition them with the skills and certifications necessary to lead a productive civilian life and encourages the Army to continue robust support for this program.

#### OPERATION AND MAINTENANCE, NAVY

Appropriations, 2016 .....	\$39,600,172,000
Budget estimate, 2017 .....	39,483,581,000
Committee recommendation .....	39,590,181,000

The Committee recommends an appropriation of \$39,590,181,000. This is \$106,600,000 above the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, NAVY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	MISSION AND OTHER FLIGHT OPERATIONS .....	4,094,765	4,073,965	− 20,800
20	FLEET AIR TRAINING .....	1,722,473	1,703,873	− 18,600
30	AVIATION TECHNICAL DATA AND ENGINEERING SERVICES .....	52,670	52,670	.....
40	AIR OPERATIONS AND SAFETY SUPPORT .....	97,584	93,584	− 4,000
50	AIR SYSTEMS SUPPORT .....	446,733	446,733	.....
60	AIRCRAFT DEPOT MAINTENANCE .....	1,007,681	990,681	− 17,000
70	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	38,248	38,248	.....
80	AVIATION LOGISTICS .....	564,720	564,720	.....
	SHIP OPERATIONS			
90	MISSION AND OTHER SHIP OPERATIONS .....	3,513,083	3,615,583	+ 102,500
100	SHIP OPERATIONS SUPPORT AND TRAINING .....	743,765	743,765	.....
110	SHIP DEPOT MAINTENANCE .....	5,168,273	5,248,773	+ 80,500
120	SHIP DEPOT OPERATIONS SUPPORT .....	1,575,578	1,575,578	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	COMBAT COMMUNICATIONS/SUPPORT			
130	COMBAT COMMUNICATIONS .....	558,727	558,727	.....
140	ELECTRONIC WARFARE .....	105,680	105,680	.....
150	SPACE SYSTEMS AND SURVEILLANCE .....	180,406	160,406	- 20,000
160	WARFARE TACTICS .....	470,032	470,032	.....
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY .....	346,703	351,703	+ 5,000
180	COMBAT SUPPORT FORCES .....	1,158,688	1,154,688	- 4,000
190	EQUIPMENT MAINTENANCE .....	113,692	113,692	.....
200	DEPOT OPERATIONS SUPPORT .....	2,509	2,509	.....
210	COMBATANT COMMANDERS CORE OPERATIONS .....	91,019	91,019	.....
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	74,780	74,780	.....
	WEAPONS SUPPORT			
230	CRUISE MISSILE .....	106,030	106,030	.....
240	FLEET BALLISTIC MISSILE .....	1,233,805	1,233,805	.....
250	IN-SERVICE WEAPONS SYSTEMS SUPPORT .....	163,025	163,025	.....
260	WEAPONS MAINTENANCE .....	553,269	553,269	.....
270	OTHER WEAPON SYSTEMS SUPPORT .....	350,010	350,010	.....
	BASE SUPPORT			
280	ENTERPRISE INFORMATION TECHNOLOGY .....	790,685	790,685	.....
290	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	1,642,742	1,692,742	+ 50,000
300	BASE OPERATING SUPPORT .....	4,206,136	4,191,136	- 15,000
	TOTAL, BUDGET ACTIVITY 1 .....	31,173,511	31,312,111	+ 138,600
	BUDGET ACTIVITY 2: MOBILIZATION			
	READY RESERVE AND PREPOSITIONING FORCES			
310	SHIP PREPOSITIONING AND SURGE .....	893,517	893,517	.....
320	READY RESERVE FORCE .....	274,524	274,524	.....
	ACTIVATIONS/INACTIVATIONS			
320	AIRCRAFT ACTIVATIONS/INACTIVATIONS .....	6,727	6,727	.....
330	SHIP ACTIVATIONS/INACTIVATIONS .....	288,154	288,154	.....
	MOBILIZATION PREPAREDNESS			
340	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	95,720	95,720	.....
360	INDUSTRIAL READINESS .....	2,109	2,109	.....
370	COAST GUARD SUPPORT .....	21,114	21,114	.....
	TOTAL, BUDGET ACTIVITY 2 .....	1,581,865	1,581,865	.....
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
380	OFFICER ACQUISITION .....	143,815	143,815	.....
390	RECRUIT TRAINING .....	8,519	8,519	.....
400	RESERVE OFFICERS TRAINING CORPS .....	143,445	143,445	.....
	BASIC SKILLS AND ADVANCED TRAINING			
410	SPECIALIZED SKILL TRAINING .....	699,214	699,214	.....
420	FLIGHT TRAINING .....	5,310	5,310	.....
430	PROFESSIONAL DEVELOPMENT EDUCATION .....	172,852	172,852	.....
440	TRAINING SUPPORT .....	222,728	222,728	.....
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
450	RECRUITING AND ADVERTISING .....	225,647	227,647	+ 2,000
460	OFF-DUTY AND VOLUNTARY EDUCATION .....	130,569	130,569	.....
470	CIVILIAN EDUCATION AND TRAINING .....	73,730	73,730	.....
480	JUNIOR ROTC .....	50,400	50,400	.....
	TOTAL, BUDGET ACTIVITY 3 .....	1,876,229	1,878,229	+ 2,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
490	ADMINISTRATION .....	917,453	893,453	- 24,000
500	EXTERNAL RELATIONS .....	14,570	14,570	.....
510	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT .....	124,070	124,070	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
520	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	369,767	369,767	.....
530	OTHER PERSONNEL SUPPORT .....	285,927	285,927	.....
540	SERVICEWIDE COMMUNICATIONS .....	319,908	319,908	.....
	LOGISTICS OPERATIONS AND TECHNICAL SUPPORT			
570	SERVICEWIDE TRANSPORTATION .....	171,659	171,659	.....
590	PLANNING, ENGINEERING AND DESIGN .....	270,863	270,863	.....
600	ACQUISITION AND PROGRAM MANAGEMENT .....	1,112,766	1,112,766	.....
610	HULL, MECHANICAL AND ELECTRICAL SUPPORT .....	49,078	49,078	.....
620	COMBAT/WEAPONS SYSTEMS .....	24,989	24,989	.....
630	SPACE AND ELECTRONIC WARFARE SYSTEMS .....	72,966	72,966	.....
	SECURITY PROGRAMS			
640	NAVAL INVESTIGATIVE SERVICE .....	595,711	595,711	.....
	SUPPORT OF OTHER NATIONS			
700	INTERNATIONAL HEADQUARTERS AND AGENCIES .....	4,809	4,809	.....
	OTHER PROGRAMS			
	OTHER PROGRAMS .....	517,440	507,440	- 10,000
	TOTAL, BUDGET ACTIVITY 4 .....	4,851,976	4,817,976	- 34,000
	TOTAL, OPERATION AND MAINTENANCE, NAVY .....	39,483,581	39,590,181	+ 106,600

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Mission and Other Flight Operations .....	4,094,765	4,073,965	- 20,800
	Maintain program affordability: MIP program unjustified growth .....	.....	.....	- 12,000
	Maintain program affordability: Unjustified growth .....	.....	.....	- 8,800
1A2A	Fleet Air Training .....	1,722,473	1,703,873	- 18,600
	Maintain program affordability: Unjustified growth .....	.....	.....	- 18,600
1A4A	Air Operations and Safety Support .....	97,584	93,584	- 4,000
	Maintain program affordability: MIP program unjustified growth .....	.....	.....	- 4,000
1A5A	Aircraft Depot Maintenance .....	1,007,681	990,681	- 17,000
	Improving funds management: Remove one-time fiscal year 2016 costs .....	.....	.....	- 17,000
1B1B	Mission and Other Ship Operations .....	3,513,083	3,615,583	+ 102,500
	Cruiser Modernization: Transfer from SMOSF for budget execution .....	.....	.....	+ 102,500
1B4B	Ship Depot Maintenance .....	5,168,273	5,248,773	+ 80,500
	Cruiser Modernization: Transfer from SMOSF for budget execution .....	.....	.....	+ 80,500
1C3C	Space Systems and Surveillance .....	180,406	160,406	- 20,000
	Improving funds management: MIP program adjustments unaccounted for .....	.....	.....	- 20,000
1C5C	Operational Meteorology and Oceanography .....	346,703	351,703	+ 5,000
	Program increase .....	.....	.....	+ 5,000
1C6C	Combat Support Forces .....	1,158,688	1,154,688	- 4,000
	Reduce duplication .....	.....	.....	- 4,000
BSM1	Sustainment, Restoration and Modernization .....	1,642,742	1,692,742	+ 50,000
	Program increase: Navy unfunded requirements .....	.....	.....	+ 50,000
BSS1	Base Operating Support .....	4,206,136	4,191,136	- 15,000
	Improving funds management: Remove one-time fiscal year 2016 costs .....	.....	.....	- 15,000



[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
3C1L	Recruiting and Advertising .....	225,647	227,647	+ 2,000
	Program increase: Naval Sea Cadet Corps .....			+ 2,000
4A1M	Administration .....	917,453	893,453	- 24,000
	Maintain program affordability: Unjustified growth .....			- 24,000
999	Classified Programs .....	517,440	507,440	- 10,000
	Classified adjustment .....			- 10,000

*Naval Shipyard Apprentice Program.*—The Committee directs that during fiscal year 2017 the Navy shall induct classes of no fewer than 100 apprentices, respectively, at each of the naval shipyards. The Committee further directs the Navy to include the costs of the fiscal year 2018 class of apprentices in its budget request.

*U.S. Coast Guard.*—The Committee is aware that Department of Defense [DOD] regulations currently restrict DOD mission appropriated funded activities from offering reimbursable rates to non-DOD agencies. This restriction forces the Navy to charge the U.S. Coast Guard fully burdened rates for drydocking services at Navy shipyards rather than reimbursable rates. Therefore, the Committee directs that funds appropriated under Operation and Maintenance, Navy may be used to pay overhead costs incurred by a Naval Shipyard when drydocking U.S. Coast Guard ships.

*Ship Overhaul Opportunistic Part-Marking Compliance.*—The Committee supports the Navy's efforts to improve compliance with its Opportunistic Part-Marking policy during ship overhauls and repairs at shipyards across the country. Compliance with the policy will help the Navy produce clean financial audits, lower total life-cycle cost, identify counterfeit parts, and save taxpayer funding through improved productivity, efficiency, maintenance, and logistical planning.

*Advanced Skills Management Legacy System Upgrades.*—The Committee is concerned that the Navy is not giving full consideration to commercial-off-the-shelf [COTS] software solutions. The Secretary of the Navy is encouraged to use the best value procurement methods when upgrading legacy software systems.

*Joint Interagency Task Force West [JIATF-West].*—The Committee is concerned that the current organizational structure of the Joint Interagency Task Force West [JIATF-West] is impacting the resource allocation between headquarters activities and operational programs and tasks. The Committee recommends that JIATF-West continue to review its organizational structure to realign staff in support of missions associated with Pacific Command's Theatre Campaign Plan.

#### OPERATION AND MAINTENANCE, MARINE CORPS

Appropriations, 2016 .....	\$5,718,074,000
Budget estimate, 2017 .....	5,954,258,000
Committee recommendation .....	6,000,258,000

The Committee recommends an appropriation of \$6,000,258,000. This is \$46,000,000 above the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATIONAL FORCES .....	674,613	740,613	+ 66,000
20	FIELD LOGISTICS .....	947,424	941,424	- 6,000
30	DEPOT MAINTENANCE .....	206,783	206,783	.....
	USMC PREPOSITIONING			
40	MARITIME PREPOSITIONING .....	85,276	85,276	.....
50	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	632,673	632,673	.....
60	BASE OPERATING SUPPORT .....	2,136,626	2,136,626	.....
	TOTAL, BUDGET ACTIVITY 1 .....	4,683,395	4,743,395	+ 60,000
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
70	RECRUIT TRAINING .....	15,946	15,946	.....
80	OFFICER ACQUISITION .....	935	935	.....
	BASIC SKILLS AND ADVANCED TRAINING			
90	SPECIALIZED SKILLS TRAINING .....	99,305	99,305	.....
100	PROFESSIONAL DEVELOPMENT EDUCATION .....	45,495	45,495	.....
110	TRAINING SUPPORT .....	369,979	369,979	.....
	RECRUITING AND OTHER TRAINING EDUCATION			
120	RECRUITING AND ADVERTISING .....	165,566	165,566	.....
130	OFF-DUTY AND VOLUNTARY EDUCATION .....	35,133	35,133	.....
140	JUNIOR ROTC .....	23,622	23,622	.....
	TOTAL, BUDGET ACTIVITY 3 .....	755,981	755,981	.....
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
150	SERVICEWIDE TRANSPORTATION .....	34,534	34,534	.....
160	ADMINISTRATION .....	355,932	341,932	- 14,000
180	ACQUISITION AND PROGRAM MANAGEMENT .....	76,896	76,896	.....
	SECURITY PROGRAMS			
	SECURITY PROGRAMS .....	47,520	47,520	.....
	TOTAL, BUDGET ACTIVITY 4 .....	514,882	500,882	- 14,000
	TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS	5,954,258	6,000,258	+ 46,000

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Operational Forces .....	674,613	740,613	+ 66,000
	Improving funds management: Program decrease unaccounted for .....	.....	.....	- 7,000
	Program increase: Exercise program shortfalls .....	.....	.....	+ 58,000
	Program increase: Enhanced combat helmets .....	.....	.....	+ 15,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1A2A	Field Logistics .....	947,424	941,424	- 6,000
	Maintain program affordability: Unjustified growth .....	.....	.....	- 6,000
4A4G	Administration .....	355,932	341,932	- 14,000
	Improving funds management: Program decrease unaccounted for .....	.....	.....	- 14,000

### OPERATION AND MAINTENANCE, AIR FORCE

Appropriations, 2016 .....	\$35,727,457,000
Budget estimate, 2017 .....	37,518,056,000
Committee recommendation .....	37,260,692,000

The Committee recommends an appropriation of \$37,260,692,000. This is \$257,364,000 below the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR FORCE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES .....	3,294,124	3,301,124	+ 7,000
20	COMBAT ENHANCEMENT FORCES .....	1,682,045	1,634,045	- 48,000
30	AIR OPERATIONS TRAINING .....	1,730,757	1,730,757	.....
40	DEPOT MAINTENANCE .....	7,042,988	6,887,988	- 155,000
50	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	1,657,019	1,707,019	+ 50,000
60	BASE OPERATING SUPPORT .....	2,787,216	2,787,216	.....
	COMBAT RELATED OPERATIONS			
70	GLOBAL C3I AND EARLY WARNING .....	887,831	890,831	+ 3,000
80	OTHER COMBAT OPERATIONS SUPPORT PROGRAMS .....	1,070,178	1,080,678	+ 10,500
	SPACE OPERATIONS			
100	LAUNCH FACILITIES .....	208,582	208,582	.....
110	SPACE CONTROL SYSTEMS .....	362,250	362,250	.....
120	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	907,245	907,245	.....
130	COMBATANT COMMANDERS CORE OPERATIONS .....	199,171	199,171	.....
	OPERATING FORCES			
	CLASSIFIED PROGRAMS .....	930,757	924,850	- 5,907
	TOTAL, BUDGET ACTIVITY 1 .....	22,760,163	22,621,756	- 138,407
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
140	AIRLIFT OPERATIONS .....	1,703,059	1,673,059	- 30,000
150	MOBILIZATION PREPAREDNESS .....	138,899	138,899	.....
160	DEPOT MAINTENANCE .....	1,553,439	1,539,439	- 14,000
170	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	258,328	258,328	.....
180	BASE SUPPORT .....	722,756	722,756	.....
	TOTAL, BUDGET ACTIVITY 2 .....	4,376,481	4,332,481	- 44,000
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
190	OFFICER ACQUISITION .....	120,886	120,886	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
200	RECRUIT TRAINING .....	23,782	23,782	.....
210	RESERVE OFFICER TRAINING CORPS (ROTC) .....	77,692	77,692	.....
220	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	236,254	240,454	+ 4,200
230	BASE SUPPORT (ACADEMIES ONLY) .....	819,915	831,615	+ 11,700
	BASIC SKILLS AND ADVANCED TRAINING			
240	SPECIALIZED SKILL TRAINING .....	387,446	395,246	+ 7,800
250	FLIGHT TRAINING .....	725,134	725,134	.....
260	PROFESSIONAL DEVELOPMENT EDUCATION .....	264,213	264,213	.....
270	TRAINING SUPPORT .....	86,681	86,681	.....
280	DEPOT MAINTENANCE .....	305,004	305,004	.....
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
290	RECRUITING AND ADVERTISING .....	104,754	104,754	.....
300	EXAMINING .....	3,944	3,944	.....
310	OFF DUTY AND VOLUNTARY EDUCATION .....	184,841	184,841	.....
320	CIVILIAN EDUCATION AND TRAINING .....	173,583	173,583	.....
330	JUNIOR ROTC .....	58,877	58,877	.....
	TOTAL, BUDGET ACTIVITY 3 .....	3,573,006	3,596,706	+ 23,700
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
340	LOGISTICS OPERATIONS .....	1,107,846	1,087,846	- 20,000
350	TECHNICAL SUPPORT ACTIVITIES .....	924,185	912,185	- 12,000
360	DEPOT MAINTENANCE .....	48,778	48,778	.....
370	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	321,013	321,013	.....
380	BASE SUPPORT .....	1,115,910	1,115,910	.....
	SERVICEWIDE ACTIVITIES			
390	ADMINISTRATION .....	811,650	811,650	.....
400	SERVICEWIDE COMMUNICATIONS .....	269,809	269,809	.....
410	OTHER SERVICEWIDE ACTIVITIES .....	961,304	961,304	.....
420	CIVIL AIR PATROL CORPORATION .....	25,735	28,535	+ 2,800
	SUPPORT TO OTHER NATIONS			
450	INTERNATIONAL SUPPORT .....	90,573	90,573	.....
	SECURITY PROGRAMS			
	SECURITY PROGRAMS .....	1,131,603	1,119,146	- 12,457
	TOTAL, BUDGET ACTIVITY 4 .....	6,808,406	6,766,749	- 41,657
	UNJUSTIFIED GROWTH .....	.....	- 57,000	- 57,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE .....	37,518,056	37,260,692	- 257,364

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces .....	3,294,124	3,301,124	+ 7,000
	Program increase: Air Force unfunded requirement for RCS turntable modification .....	.....	.....	+ 7,000
011C	Combat Enhancement Forces .....	1,682,045	1,634,045	- 48,000
	Improving funds management: MIP program adjustments unaccounted for .....	.....	.....	- 33,000
	Transfer: Classified program adjustment .....	.....	.....	- 15,000
011M	Depot Maintenance .....	7,042,988	6,887,988	- 155,000
	Maintain program affordability: MIP program unjustified growth .....	.....	.....	- 155,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
011R	Facilities Sustainment, Restoration & Modernization .....	1,657,019	1,707,019	+ 50,000
	Program increase .....			+ 50,000
012A	Global C3I and Early Warning .....	887,831	890,831	+ 3,000
	Improving funds management: Removal of one-time fiscal year 2016 costs .....			- 7,000
	Program increase: Global C3I and Early Warning .....			+ 10,000
012C	Other Combat Ops Spt Programs .....	1,070,178	1,080,678	+ 10,500
	Program increase: Eagle Vision program .....			+ 10,500
999	Classified Programs .....	930,757	924,850	- 5,907
	Classified adjustment .....			- 5,907
021A	Airlift Operations .....	1,703,059	1,673,059	- 30,000
	Improving funds management: Program decrease unaccounted for .....			- 30,000
021M	Depot Maintenance .....	1,553,439	1,539,439	- 14,000
	Improving funds management: Removal of one-time fiscal year 2016 costs .....			- 14,000
031R	Facilities Sustainment, Restoration & Modernization .....	236,254	240,454	+ 4,200
	Program increase: Cybersecurity Training .....			+ 4,200
031Z	Base Support .....	819,915	831,615	+ 11,700
	Program increase: Cybersecurity Training .....			+ 11,700
032A	Specialized Skill Training .....	387,446	395,246	+ 7,800
	Program increase: Cybersecurity Training .....			+ 7,800
041A	Logistics Operations .....	1,107,846	1,087,846	- 20,000
	Maintain program affordability: Unjustified growth .....			- 20,000
041B	Technical Support Activities .....	924,185	912,185	- 12,000
	Improving funds management: Program transfer unaccount for .....			- 12,000
042I	Civil Air Patrol .....	25,735	28,535	+ 2,800
	Civil Air Patrol .....			+ 2,800
999	Classified Programs .....	1,131,603	1,119,146	- 12,457
	Classified adjustment .....			- 12,457
UNDIST	Maintain program affordability: Unjustified growth .....		- 57,000	- 57,000

*Arctic Search and Rescue requirements.*—The Committee notes the increased utilization of the Arctic region by commercial air and vessel traffic and believes that this requires an update of search and rescue requirements in the region. The Committee understands that the Alaska Air National Guard 176th Wing is the closest dedicated rescue force, but maintains only a single Arctic sustainment package for alerts and partial package for training. The Secretary of the Air Force is directed to review Arctic search and rescue requirements and to submit with the fiscal year 2018 President's budget a report detailing the results of this review.

*Air Force Weather Monitoring.*—The Committee recognizes the importance of Air Force weather radars for the safety of military aircrews and for their contributions to weather forecasting in accordance with the interagency Next Generation Weather Radar [NEXRAD] network. The Secretary of the Air Force is directed to provide 30 days advance notification to the congressional defense committees of any proposed divestment of NEXRAD radars or associated support activities.

*Cyber Command Elevation.*—The Committee understands that the Department of Defense and Congress are considering elevating Cyber Command to a full Combatant Command. The Committee recognizes that if such a transition takes place, it will take time to develop staffing plans, hire and clear needed personnel, and transfer military personnel to the new Command. The Committee

believes that funds from within the fiscal year 2017 budget for Cyber Command are sufficient to meet the Command's early needs. The Committee expects that additional funds will be needed in fiscal year 2018 to support an elevated Cyber Command and directs the Secretary of Defense to present its plan for necessary funding in the fiscal year 2018 budget request if Cyber Command elevation is approved.

#### OPERATION AND MAINTENANCE, DEFENSE-WIDE

Appropriations, 2016 .....	\$32,105,040,000
Budget estimate, 2017 .....	32,571,590,000
Committee recommendation .....	32,478,682,000

The Committee recommends an appropriation of \$32,478,682,000. This is \$92,908,000 below the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

(In thousands of dollars)

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, DEFENSE-WIDE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
10	JOINT CHIEFS OF STAFF .....	506,113	506,113	.....
20	OFFICE OF THE SECRETARY OF DEFENSE .....	524,439	524,439	.....
30	SPECIAL OPERATIONS COMMAND .....	4,898,159	4,868,759	- 29,400
	TOTAL, BUDGET ACTIVITY 1 .....	5,928,711	5,899,311	- 29,400
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
40	DEFENSE ACQUISITION UNIVERSITY .....	138,658	138,658	.....
50	JOINT CHIEFS OF STAFF RECRUITING, AND OTHER TRAINING AND EDUCATION .....	85,701	85,701	.....
70	SPECIAL OPERATIONS COMMAND .....	365,349	365,349	.....
	TOTAL, BUDGET ACTIVITY 3 .....	589,708	589,708	.....
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
80	CIVIL MILITARY PROGRAMS .....	160,480	199,480	+ 39,000
100	DEFENSE CONTRACT AUDIT AGENCY .....	630,925	620,925	- 10,000
110	DEFENSE CONTRACT MANAGEMENT AGENCY .....	1,356,380	1,346,380	- 10,000
120	DEFENSE HUMAN RESOURCES ACTIVITY .....	683,620	706,620	+ 23,000
130	DEFENSE INFORMATION SYSTEMS AGENCY .....	1,439,891	1,422,591	- 17,300
150	DEFENSE LEGAL SERVICES AGENCY .....	24,984	24,984	.....
160	DEFENSE LOGISTICS AGENCY .....	357,964	355,264	- 2,700
170	DEFENSE MEDIA ACTIVITY .....	223,422	227,122	+ 3,700
180	DEFENSE PERSONNEL ACCOUNTING AGENCY .....	112,681	112,681	.....
170	DEFENSE SECURITY COOPERATION AGENCY .....	496,754	496,754	.....
180	DEFENSE SECURITY SERVICE .....	538,711	538,711	.....
200	DEFENSE TECHNOLOGY SECURITY AGENCY .....	35,417	35,417	.....
210	DEFENSE THREAT REDUCTION AGENCY .....	448,146	448,146	.....
230	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY .....	2,671,143	2,666,643	- 4,500
240	MISSILE DEFENSE AGENCY .....	446,975	446,975	.....
260	OFFICE OF ECONOMIC ADJUSTMENT .....	155,399	136,199	- 19,200
270	OFFICE OF THE SECRETARY OF DEFENSE .....	1,481,643	1,490,493	+ 8,850
280	SPECIAL OPERATIONS COMMAND .....	89,429	89,429	.....
290	WASHINGTON HEADQUARTERS SERVICES .....	629,874	629,874	.....
	OTHER PROGRAMS .....	14,069,333	13,954,975	- 114,358
	TOTAL, BUDGET ACTIVITY 4 .....	26,053,171	25,949,663	- 103,508

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	IMPACT AID .....		30,000	+ 30,000
	IMPACT AID FOR CHILDREN WITH DISABILITIES .....		5,000	+ 5,000
	LONG-TERM TEMP DUTY WAIVERS .....		5,000	+ 5,000
	TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE	32,571,590	32,478,682	- 92,908

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Special Operations Command/Operating Forces .....	4,898,159	4,868,759	- 29,400
	Maintain program affordability: Overestimation of civilian FTE .....			- 8,800
	Improving funds management: Operational Support-program decrease unaccounted for .....			- 5,000
	Improving funds management: Maintenance-program decrease unaccounted for .....			- 7,600
	Maintain program affordability: Management Headquarters-unjustified growth .....			- 8,000
	Civil Military Programs .....	160,480	199,480	+ 39,000
	Program increase: STARBASE .....			+ 30,000
	Program increase: Innovative Readiness Training .....			+ 5,000
	Program increase: National Guard Youth Challenge Program .....			+ 4,000
	Defense Contract Audit Agency .....	630,925	620,925	- 10,000
	Maintain program affordability: Reduce planned growth .....			- 10,000
	Defense Contract Management Agency .....	1,356,380	1,346,380	- 10,000
	Maintain program affordability: Unjustified growth and removal of one-time fiscal year 2016 costs .....			- 10,000
	Defense Human Resources Activity .....	683,620	706,620	+ 23,000
	Armed Force Retirement Home Addressed in the Military Construction & Veterans Affairs Appropriations Bill ..			- 22,000
	Program increase: Beyond Yellow Ribbon .....			+ 20,000
	Program increase: Special Victims' Counsel .....			+ 25,000
	Defense Information Systems Agency .....	1,439,891	1,422,591	- 17,300
	Improving funds management: Remove one-time fiscal year 2016 costs .....			- 7,300
	Maintain program affordability: Unjustified growth .....			- 10,000
	Defense Logistics Agency .....	357,964	355,264	- 2,700
	Improving funds management: Remove one-time fiscal year 2016 congressional increase .....			- 11,000
	Maintain program affordability: Unjustified program growth .....			- 3,400
	Program increase: Procurement Technical Assistance ..			+ 11,700
	Defense Media Activity .....	223,422	227,122	+ 3,700
	Improving funds management: Remove one-time fiscal year 2016 costs .....			- 1,300
	Program increase: IP streaming upgrades .....			+ 5,000
	Department of Defense Education Activity .....	2,671,143	2,666,643	- 4,500
	Maintain program affordability: Unjustified program growth .....			- 6,500
	Improving funds management: Remove one-time fiscal year 2016 costs .....			- 3,000
	Program increase: Youth serving organizations .....			+ 5,000
	Office of Economic Adjustment .....	155,399	136,199	- 19,200
	Authorization adjustment: Public health laboratory funding ahead of need .....			- 19,200
	Office of the Secretary of Defense .....	1,481,643	1,490,493	+ 8,850

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Authorization adjustment: OUSD (AT&L) BRAC planning			- 3,530
	Improving funds management: Program decrease unaccounted for			- 7,000
	Maintain program affordability: OUSD (AT&L) Unjustified growth			- 2,600
	Improving funds management: OUSD (I)-Identified Asset for one-time fiscal year 2016 cost			- 2,000
	Maintain program affordability: Intelligence Mission Data request ahead of need			- 1,000
	Program increase: Readiness and Environmental Protection Initiative			+ 14,980
	Program increase: Operation Live Well			+ 3,000
	Program increase: Fruit and Vegetable Prescription Plan			+ 2,000
	Authorization adjustment: Sec. 340 of S. 2943			+ 5,000
	Classified Programs	14,069,333	13,954,975	- 114,358
	Classified adjustment			- 114,358
UNDIST	Program increase: Impact Aid		+ 30,000	+ 30,000
UNDIST	Program increase: Impact Aid for children with severe disabilities		+ 5,000	+ 5,000
UNDIST	Program increase: Long-term temporary duty waivers		+ 5,000	+ 5,000

*Wargaming.*—The Office of the Secretary of Defense’s budget request included \$35,000,000 for wargaming initiatives that will pursue innovative ways to sustain and advance military superiority and improve business operations throughout the Department of Defense. These resources will be allocated through a rigorous process, overseen by the Quad Chairs (Office of the Under Secretary of Defense for Policy, the Joint Staff, Cost Assessment and Program Evaluation [CAPE], and the Office of Net Assessment [ONA]) and reporting to the Deputy Secretary of Defense. The Wargaming Quad Chairs will evaluate funding proposals from the Combatant Commanders and military services, with the Joint Staff overseeing full execution of approved initiatives. The Committee is supportive of the Department of Defense’s efforts to combat emerging threats and to challenge adversaries. Therefore, the Secretary of Defense is directed to submit a quarterly report on the wargaming initiatives that are funded in fiscal year 2017. The reports shall include the title of each initiative, the recipient, the amount funded and a short explanation of the objective. The reports shall be submitted to the congressional defense committees not later than 30 days after the close of each quarter of the fiscal year.

*Long-Term Temporary Per Diem.*—In November, 2014, the Department of Defense [DOD] implemented a change to the Joint Travel Regulation [JTR] cutting per diem rates during long-term temporary duty travel. The Committee is concerned about the effect of the flat rate per diem policy on long-term temporary duty travelers. This policy has discouraged experienced employees of shipyards, depots, and arsenals from across the DOD from volunteering to fulfill mission critical requirements due to concerns of paying for expenses related to official travel out of pocket. The Committee is aware of legislative proposals and administrative policy that allow DOD to waive the flat rate per diem. However, the Committee is concerned that this waiver authority has generated greater uncertainty in the DOD workforce, particularly since the



authority is split across proposed legislation and administrative policy, with meals and incidentals covered by pending legislation, and lodging by policy. Moreover, the Committee is concerned that these various waiver authorities create additional obstacles that discourage DOD's most experienced professionals from volunteering for mission essential work. The Committee worries that this affects the savings that accrue to DOD by adding maintenance days as a result of having less experienced workers volunteering for long-term missions.

The Committee notes that section 623 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-49) directed a review by the Comptroller General of the United States on the impact DOD's long-term temporary duty per diem policy has on affected employees. The Committee will carefully consider the findings of this review and will continue to work with stakeholders on potential policy changes, including a reversal of the flat rate per diem policy on long-term temporary duty travel if such a change becomes prudent. While the Committee awaits the results of that study, DOD is encouraged to allow the Service Secretaries to waive the per diem rates of long-term duty travelers up to the full amount based on actual costs incurred.

*Defense Language National Security Education Office.*—The Committee recognizes that, in partnership with universities across the country, the National Security Education Program provides critical training for servicemembers and government officials in a number of languages and strategic cultures, including those of the Arab world, Afghanistan, China, and Iran. The Committee encourages the Department of Defense to continue placing a high priority on these programs to ensure warfighters receive the language and culture training needed to complete their missions effectively.

*Counter-Lord's Resistance Army.*—The Department of Defense shall continue its support of Operation Observant Compass to enable regional partners to continue to conduct operations against Joseph Kony and the Lord's Resistance Army.

*African Standby Force.*—The Committee recognizes that the rapid deployment capability envisioned for the African Standby Force [ASF] has the potential to counter emerging crises and provide greatly needed peacekeeping support in Africa. However, this capability has been slow to develop, faces inadequate troop contributions, and has yet to reach full operational capability more than a decade since its inception. As the combatant command overseeing U.S. military policy in Africa, Africa Command [AFRICOM] may have a constructive role in engaging the African Union's Regional Economic Communities who are tasked to provide the necessary capabilities to bring ASF to full operational capability.

In the report accompanying the Senate version of the Department of Defense Appropriations Act, 2016 (Senate Report 114-63), the Committee directed the Secretary of Defense to provide a report to the congressional defense committees not later than 120 days after enactment, on AFRICOM's capabilities to engage the Regional Economic Communities. The report was to include an assessment of the military capacity shortfalls, to include logistics and airlift that must be addressed as African nations stand up a capable response force. To date, the report has not been delivered to the

committees. The Committee expects an expeditious response from the Secretary of Defense to last year’s request and expects that future reports will be delivered in a more timely manner.

*Special Victims’ Counsel Program.*—The Committee remains concerned with the level of sexual assault in the military and supports the Department’s continuing efforts to strengthen its sexual assault prevention and response program. The needs of victims of sexual assault for legal advice and guidance are particularly acute. To ensure that the Department continues to make progress protecting a victim’s confidentiality and ending alienation during the investigation and prosecution of their case, the Committee recommends an additional \$25,000,000 for implementation of the Special Victims’ Counsel Program across the services.

*Youth Serving Organizations.*—The Committee recognizes that the dependent children of uniformed servicemembers often experience turbulence and instability during their developmental years as a result of frequent deployments, permanent change of station moves, and training requirements borne by their parents in the service of the nation. The Committee further recognizes the importance of youth outreach programs that provide military children opportunity and mentorship as they cope with the turbulence that often accompanies military service. Therefore, the Committee recommends an additional \$5,000,000 to support youth serving organizations and to expand efforts to support free memberships for military children who reside off base and wish to join off-installation sponsored youth serving organizations.

OPERATION AND MAINTENANCE, ARMY RESERVE

Appropriations, 2016 .....	\$2,646,911,000
Budget estimate, 2017 .....	2,712,331,000
Committee recommendation .....	2,704,531,000

The Committee recommends an appropriation of \$2,704,531,000. This is \$7,800,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
20	MODULAR SUPPORT BRIGADES .....	11,435	11,435	.....
30	ECHELONS ABOVE BRIGADES .....	491,772	491,772	.....
40	THEATER LEVEL ASSETS .....	116,163	116,163	.....
50	LAND FORCES OPERATIONS SUPPORT .....	563,524	563,524	.....
60	AVIATION ASSETS .....	91,162	91,162	.....
	LAND FORCES READINESS			
70	FORCES READINESS OPERATIONS SUPPORT .....	347,459	347,459	.....
80	LAND FORCES SYSTEM READINESS .....	101,926	101,926	.....
90	DEPOT MAINTENANCE .....	56,219	56,219	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT .....	573,843	566,043	- 7,800
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	214,955	214,955	.....
120	MANAGEMENT AND OPERATIONS HEADQUARTERS .....	37,620	37,620	.....
	TOTAL, BUDGET ACTIVITY 1 .....	2,606,078	2,598,278	- 7,800
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
130	SERVICEWIDE TRANSPORTATION .....	11,027	11,027	.....
140	ADMINISTRATION .....	16,749	16,749	.....
150	SERVICEWIDE COMMUNICATIONS .....	17,825	17,825	.....
160	PERSONNEL/FINANCIAL ADMINISTRATION .....	6,177	6,177	.....
170	OTHER PERSONNEL SUPPORT .....	54,475	54,475	.....
	TOTAL, BUDGET ACTIVITY 4 .....	106,253	106,253	.....
	TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	2,712,331	2,704,531	- 7,800

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
131	Base Operations Support .....	573,843	566,043	- 7,800
	Improving funds management: Program decrease unaccounted for .....	.....	.....	- 7,800

## OPERATION AND MAINTENANCE, NAVY RESERVE

Appropriations, 2016 .....	\$998,481,000
Budget estimate, 2017 .....	927,656,000
Committee recommendation .....	927,656,000

The Committee recommends an appropriation of \$927,656,000. This is equal to the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, NAVY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	RESERVE AIR OPERATIONS			
10	MISSION AND OTHER FLIGHT OPERATIONS .....	526,190	526,190	.....
20	INTERMEDIATE MAINTENANCE .....	6,714	6,714	.....
40	AIRCRAFT DEPOT MAINTENANCE .....	86,209	86,209	.....
50	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	389	389	.....
60	AVIATION LOGISTICS .....	10,189	10,189	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
70	RESERVE SHIP OPERATIONS SHIP OPERATIONAL SUPPORT AND TRAINING .....	560	560	.....
90	RESERVE COMBAT OPERATIONS SUPPORT COMBAT COMMUNICATIONS .....	13,173	13,173	.....
100	COMBAT SUPPORT FORCES .....	109,053	109,053	.....
120	RESERVE WEAPONS SUPPORT ENTERPRISE INFORMATION TECHNOLOGY .....	27,226	27,226	.....
130	BASE OPERATING SUPPORT FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	27,571	27,571	.....
140	BASE OPERATING SUPPORT .....	99,166	99,166	.....
	TOTAL, BUDGET ACTIVITY 1 .....	906,440	906,440	.....
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
150	ADMINISTRATION .....	1,351	1,351	.....
160	MILITARY MANPOWER & PERSONNEL .....	13,251	13,251	.....
170	SERVICEWIDE COMMUNICATIONS .....	3,445	3,445	.....
180	ACQUISITION AND PROGRAM MANAGEMENT .....	3,169	3,169	.....
	TOTAL, BUDGET ACTIVITY 4 .....	21,216	21,216	.....
	TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	927,656	927,656	.....

#### OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

Appropriations, 2016 .....	\$274,526,000
Budget estimate, 2017 .....	270,633,000
Committee recommendation .....	270,633,000

The Committee recommends an appropriation of \$270,633,000. This is equal to the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS RESERVE BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATING FORCES .....	94,154	94,154	.....
20	DEPOT MAINTENANCE .....	18,594	18,594	.....
30	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	25,470	25,470	.....
40	BASE OPERATING SUPPORT .....	111,550	111,550	.....
	TOTAL, BUDGET ACTIVITY 1 .....	249,768	249,768	.....
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
50	SERVICEWIDE TRANSPORTATION .....	902	902	.....
60	ADMINISTRATION .....	11,130	11,130	.....
70	RECRUITING AND ADVERTISING .....	8,833	8,833	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, BUDGET ACTIVITY 4 .....	20,865	20,865	.....
	TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE .....	270,633	270,633	.....

#### OPERATION AND MAINTENANCE, AIR FORCE RESERVE

Appropriations, 2016 .....	\$2,980,768,000
Budget estimate, 2017 .....	3,067,929,000
Committee recommendation .....	3,050,929,000

The Committee recommends an appropriation of \$3,050,929,000. This is \$17,000,000 below the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR FORCE RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES .....	1,707,882	1,690,882	- 17,000
20	MISSION SUPPORT OPERATIONS .....	230,016	230,016	.....
30	DEPOT MAINTENANCE .....	541,743	541,743	.....
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	113,470	113,470	.....
50	BASE OPERATING SUPPORT .....	384,832	384,832	.....
	TOTAL, BUDGET ACTIVITY 1 .....	2,977,943	2,960,943	- 17,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
60	ADMINISTRATION .....	54,939	54,939	.....
70	RECRUITING AND ADVERTISING .....	14,754	14,754	.....
80	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	12,707	12,707	.....
90	OTHER PERSONNEL SUPPORT .....	7,210	7,210	.....
100	AUDIOVISUAL .....	376	376	.....
	TOTAL, BUDGET ACTIVITY 4 .....	89,986	89,986	.....
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE .....	3,067,929	3,050,929	- 17,000

#### COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces .....	1,707,882	1,690,882	- 17,000
	Maintain program affordability: Unjustified growth .....	.....	.....	- 17,000

## OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

Appropriations, 2016 .....	\$6,595,483,000
Budget estimate, 2017 .....	6,825,370,000
Committee recommendation .....	6,765,385,000

The Committee recommends an appropriation of \$6,765,385,000. This is \$59,985,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS .....	708,251	708,251	.....
20	MODULAR SUPPORT BRIGADES .....	197,251	197,251	.....
30	ECHELONS ABOVE BRIGADE .....	792,271	792,271	.....
40	THEATER LEVEL ASSETS .....	80,341	80,341	.....
50	LAND FORCES OPERATIONS SUPPORT .....	37,138	37,138	.....
60	AVIATION ASSETS .....	887,625	867,625	- 20,000
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT .....	696,267	669,782	- 26,485
80	LAND FORCES SYSTEMS READINESS .....	61,240	56,240	- 5,000
90	LAND FORCES DEPOT MAINTENANCE .....	219,948	219,948	.....
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT .....	1,040,012	1,031,512	- 8,500
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	676,715	676,715	.....
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	1,021,144	1,021,144	.....
	TOTAL, BUDGET ACTIVITY 1 .....	6,418,203	6,358,218	- 59,985
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
130	SERVICEWIDE TRANSPORTATION .....	6,396	6,396	.....
140	ADMINISTRATION .....	68,528	68,528	.....
150	SERVICEWIDE COMMUNICATIONS .....	76,524	76,524	.....
160	MANPOWER MANAGEMENT .....	7,712	7,712	.....
170	OTHER PERSONNEL SUPPORT .....	245,046	245,046	.....
180	REAL ESTATE MANAGEMENT .....	2,961	2,961	.....
	TOTAL, BUDGET ACTIVITY 4 .....	407,167	407,167	.....
	TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD .....	6,825,370	6,765,385	- 59,985

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
116	Aviation Assets .....	887,625	867,625	- 20,000
	Maintain program affordability: Unjustified growth .....	.....	.....	- 20,000
121	Force Readiness Operations Support .....	696,267	669,782	- 26,485

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Maintain program affordability: Unjustified growth .....			- 30,000
	Program increase: Army National Guard Cyber Protection Teams .....			+ 3,000
	Program increase: Trauma training .....			+ 515
122	Land Forces Systems Readiness .....	61,240	56,240	- 5,000
	Improving funds management: Program decrease unaccounted for .....			- 5,000
131	Base Operations Support .....	1,040,012	1,031,512	- 8,500
	Maintain program affordability: Unjustified growth .....			- 8,500

*State Partnership Program.*—The State Partnership Program [SPP] has been successfully building relationships for over 20 years by linking a State's National Guard with the armed forces or equivalent of a partner country in a cooperative, mutually beneficial relationship. It includes 70 unique security partnerships involving 76 nations around the globe. The Committee recognizes the importance of SPP and encourages continued robust support of this important partnership program.

#### OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

Appropriations, 2016 .....	\$6,820,569,000
Budget estimate, 2017 .....	6,703,578,000
Committee recommendation .....	6,600,000,000

The Committee recommends an appropriation of \$6,600,000,000. This is \$103,578,000 below the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	AIRCRAFT OPERATIONS .....	3,282,238	3,197,238	- 85,000
20	MISSION SUPPORT OPERATIONS .....	723,062	712,484	- 10,578
30	DEPOT MAINTENANCE .....	1,824,329	1,816,329	- 8,000
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	245,840	245,840	
50	BASE OPERATING SUPPORT .....	575,548	575,548	
	TOTAL, BUDGET ACTIVITY 1 .....	6,651,017	6,547,439	- 103,578
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE ACTIVITIES			
60	ADMINISTRATION .....	23,715	23,715	
70	RECRUITING AND ADVERTISING .....	28,846	28,846	
	TOTAL, BUDGET ACTIVITY 4 .....	52,561	52,561	
	TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD .....	6,703,578	6,600,000	- 103,578

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
011F	Aircraft Operations .....	3,282,238	3,197,238	- 85,000
	Maintain program affordability: Unjustified growth .....			- 70,000
	Improving funds management: MIP program decrease unaccounted for .....			- 15,000
011G	Mission Support Operations .....	723,062	712,484	- 10,578
	Maintain program affordability: Unjustified growth .....			- 12,000
	Program increase: Trauma training .....			+ 1,422
011M	Depot Maintenance .....	1,824,329	1,816,329	- 8,000
	Maintain program affordability: MIP program unjustified growth .....			- 8,000

## U.S. COURT OF APPEALS FOR THE ARMED FORCES

Appropriations, 2016 .....	\$14,078,000
Budget estimate, 2017 .....	14,194,000
Committee recommendation .....	14,194,000

The Committee recommends an appropriation of \$14,194,000. This is equal to the budget estimate.

## ENVIRONMENTAL RESTORATION, ARMY

Appropriations, 2016 .....	\$234,829,000
Budget estimate, 2017 .....	170,167,000
Committee recommendation .....	170,167,000

The Committee recommends an appropriation of \$170,167,000. This is equal to the budget estimate.

## ENVIRONMENTAL RESTORATION, NAVY

Appropriations, 2016 .....	\$300,000,000
Budget estimate, 2017 .....	281,762,000
Committee recommendation .....	281,762,000

The Committee recommends an appropriation of \$281,762,000. This is equal to the budget estimate.

## ENVIRONMENTAL RESTORATION, AIR FORCE

Appropriations, 2016 .....	368,131,000
Budget estimate, 2017 .....	371,521,000
Committee recommendation .....	371,521,000

The Committee recommends an appropriation of \$371,521,000. This is equal to the budget estimate.

## ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

Appropriations, 2016 .....	\$8,232,000
Budget estimate, 2017 .....	9,009,000
Committee recommendation .....	9,009,000

The Committee recommends an appropriation of \$9,009,000. This is equal to the budget estimate.



## ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

Appropriations, 2016 .....	\$231,217,000
Budget estimate, 2017 .....	197,084,000
Committee recommendation .....	207,084,000

The Committee recommends an appropriation of \$207,084,000. This is \$10,000,000 above the budget estimate to help address unfunded needs.

## OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

Appropriations, 2016 .....	\$103,266,000
Budget estimate, 2017 .....	105,125,000
Committee recommendation .....	120,125,000

The Committee recommends an appropriation of \$120,125,000. This is \$15,000,000 above the budget estimate for South China Sea regional engagement.

## COOPERATIVE THREAT REDUCTION ACCOUNT

Appropriations, 2016 .....	\$358,496,000
Budget estimate, 2017 .....	325,604,000
Committee recommendation .....	325,604,000

The Committee recommends an appropriation of \$325,604,000. This is equal to the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

(In thousands of dollars)

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
COOPERATIVE THREAT REDUCTION				
1	Strategic Offensive Arms Elimination .....	11,791	11,791	.....
2	Chemical Weapons Destruction .....	2,942	2,942	.....
3	Biological Threat Reduction .....	213,984	213,984	.....
4	Threat Reduction Engagement .....	2,000	2,000	.....
5	Other Assessments/Admin Costs .....	27,279	27,279	.....
6	Global Nuclear Security .....	16,899	16,899	.....
7	WMD Proliferation Prevention .....	50,709	50,709	.....
TOTAL, COOPERATIVE THREAT REDUCTION .....		325,604	325,604	.....

**TITLE III  
PROCUREMENT**

Funds appropriated under this title provide the resources required to purchase military equipment and hardware, including aircraft, ships, missiles, combat vehicles, ammunition, weapons, electronic sensors and communications equipment, and other procurement items.

The President's fiscal year 2017 budget requests a total of \$101,916,357,000 for procurement appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends procurement appropriations totaling \$105,253,833,000 for fiscal year 2017. This is \$3,337,476,000 above the budget estimate.

Committee recommended procurement appropriations for fiscal year 2017 are summarized below:

SUMMARY OF PROCUREMENT APPROPRIATIONS

[In thousands of dollars]

Account	2017 budget estimate	Committee recommendation	Change from budget estimate
<b>Procurement:</b>			
Aircraft Procurement, Army .....	3,614,787	4,088,298	+ 473,511
Missile Procurement, Army .....	1,519,966	1,501,289	- 18,677
Procurement of Weapons and Tracked Combat Vehicles, Army .....	2,265,177	2,161,777	- 103,400
Procurement of Ammunition, Army .....	1,513,157	1,467,066	- 46,091
Other Procurement, Army .....	5,873,949	5,862,299	- 11,650
Aircraft Procurement, Navy .....	14,109,148	15,472,048	+ 1,362,900
Weapons Procurement, Navy .....	3,209,262	3,226,750	+ 17,488
Procurement of Ammunition, Navy and Marine Corps .....	664,368	662,968	- 1,400
Shipbuilding and Conversion, Navy .....	18,354,874	20,460,724	+ 2,105,850
Other Procurement, Navy .....	6,338,861	6,229,762	- 109,099
Procurement, Marine Corps .....	1,362,769	1,362,769	.....
Aircraft Procurement, Air Force .....	13,922,917	13,667,822	- 255,095
Missile Procurement, Air Force .....	2,426,621	2,408,769	- 17,852
Space Procurement, Air Force .....	3,055,743	2,527,743	- 528,000
Procurement of Ammunition, Air Force .....	1,677,719	1,665,219	- 12,500
Other Procurement, Air Force .....	17,438,056	17,503,191	+ 65,135
Procurement, Defense-Wide .....	4,524,918	4,921,274	+ 396,356
Defense Production Act Purchases .....	44,065	64,065	+ 20,000
<b>Total .....</b>	<b>101,916,357</b>	<b>105,253,833</b>	<b>+ 3,337,476</b>

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Secretary of Defense is directed to continue to follow the reprogramming guidance as specified in the report accompanying the House version of the Department of Defense appropriations bill for fiscal year 2008 (House Report 110-279). Specifically, the dollar threshold for reprogramming funds will remain at \$20,000,000 for

procurement and \$10,000,000 for research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for service and defense-wide accounts in titles III and IV of this act. Reports for titles III and IV shall comply with guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act for Fiscal Year 2006. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation line, whichever is less. These thresholds are cumulative from the base for reprogramming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of a procurement (P-1), or a research, development, test and evaluation (R-1) line exceeds the identified threshold, the Secretary of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this report.

#### PROCUREMENT OVERVIEW

*Army Organic Industrial Base.*—The Committee directs the Secretary of the Army to provide 45-day written notification to the congressional defense committees prior to the Secretary approving civilian reductions in force that will result in an employment loss of 50 or more full-time employees at any Army organic industrial base facility. The notification shall include the impact that the proposed reduction in force will have on the ability to maintain the organic industrial base critical manufacturing capabilities as delineated in the Army Organic Industrial Base Strategy Report, a detailed accounting of the costs of implementing the reduction in force, and an assessment of the cost of, and time necessary, to restore any lost capability to meet future organic wartime manufacturing needs.

*Arsenal Sustainment Initiative.*—The Committee supports the ongoing efforts of the Department of the Army to develop the Army Organic Industrial Base Strategy. This process is identifying manufacturing capabilities at each organic industrial facility that are critical for the country to sustain in wartime and peacetime if the U.S. military is called to act. However, the Committee is concerned that while the Army Organic Industrial Base Strategy is identifying capabilities, it has not prioritized them in annual budget requests to Congress. In particular, the Nation's arsenals are at risk of not having the capacity to respond rapidly to meet the Department's needs. Addressing this concern, the Army in comments provided to the Government Accountability Office [GAO] in advance of its December 2015 report, *Actions Needed to Identify and Sustain Critical Capabilities*, the Army concurred with the GAO's recommendation that it must issue "clear and detailed implementation guidance, such as an instruction or guidebook, on the process for conducting make-or-buy analysis in a consistent manner." The Committee directs the Secretary of the Army to issue such guid-

ance as soon as possible. The Committee further directs the Secretary to assign the arsenals sufficient workload to maintain the critical capabilities identified in the Army Organic Industrial Base Strategy Report and ensure cost efficiency and technical competence in peacetime, while preserving the ability to provide an effective and timely response to mobilizations, national defense contingency situations, and other emergency requirements. Finally, the Committee notes that it has not yet received detailed recommendations from the Secretary of Defense on how the Air Force, Navy, and Marine Corps can better use the arsenals for their manufacturing needs, or what opportunities may exist for the arsenals to assist the services and the Defense Logistics Agency to procure for our spare parts inventory, as required by Senate Report 114-63.

*Physical Access Control Systems.*—The Committee remains concerned with control systems at base access points and encourages the Department to continue efforts to standardize these systems across the services while finding the most affordable solutions.

*Equipment Modernization Reporting.*—The Committee continues to support maintaining fully modernized reserve components. However, the methods used by the services to characterize and report the status of military equipment modernization hinder Congress' ability to determine relative levels of modernization across the active and reserve components. The services must establish and codify modernization principles that articulate the definition of the term "modern equipment" in such a way as to allow for transparent appropriation decisions. The Committee also notes that equipment listed on service divestiture lists is not acceptable for characterization as "modern" if fielded to the reserve components. The Committee directs the Secretary of Defense to promulgate service standards for reporting modern equipment in time for those standards to be reflected in the National Guard and Reserve Equipment Report for Fiscal Year 2018.

*Equipment Transparency Report.*—The Committee strongly supports the Department of Defense's policy of transparency and traceability of procurement funding for the reserve components. However, the Committee notes that the Department continues to have difficulty tracking funding requests for equipment for the reserve components. The Equipment Transparency Report, intended to provide such visibility, lacks the consistency and reliability needed to be definitive and is, by the Department's own admission, unreliable. The Committee supports the practice of including reserve component funding requests in parent service budgets, but seeks a clearer way to determine the impact of funding on actual equipment procurement. Therefore, the Committee directs the Secretary of Defense to provide a report to the congressional defense committees, not later than 180 days after enactment of this act, outlining improvements or alternatives to the Equipment Transparency Report.

*MUOS.*—The Committee has previously noted the lack of alignment between the space, ground, and user equipment segments on various space-based acquisition programs. The Mobile User Objective System [MUOS] program has a satellite constellation in orbit but few communications terminals carrying the MUOS waveform

software. The Committee directs the Assistant Secretaries for Acquisition for both the Air Force and the Navy to provide to the congressional defense committees, not later than 180 days after enactment of this act, their respective plans to enable current and future communications systems with the MUOS capability, including a timeline for fielding of the capability.

*Renewables on Military Installations.*—The Committee recognizes the importance of properly building, maintaining and monitoring renewable energy projects on Federal military installations. Further, the Committee encourages the Department to contract with private entities that operate North American Electric Reliability Corporation [NERC] compliant monitoring centers; offer training programs for governmental employees; and have an established Environment, Health and Safety standards program when procuring renewable energy.

*Buy American Compliance.*—The Committee is concerned with two separate Inspector General reports, required by the National Defense Authorization Act for Fiscal Year 2014, that found both the Air Force and Navy were not in compliance with the Buy American Act and Berry Amendment. Ensuring appropriate domestic source requirements are included in contracts and strict adherence to these requirements are vital to the health of the Defense industrial base. Therefore, the Committee encourages the Secretary of Defense to dedicate resources to expand training and ensure compliance with the Buy American and Berry Amendment.

*Domestic Footwear.*—The Committee acknowledges that S. 2943, the National Defense Authorization Act for Fiscal Year 2017, as reported, seeks to amend section 418 of title 37 United States Code to address compliance with domestic source requirements for footwear furnished to enlisted members of the Armed Forces upon their initial entry into the Armed Forces.

*RQ-7 Shadow.*—The Committee understands that the Department of the Army is requesting \$71,169,000 to upgrade the RQ-7 Shadow unmanned aerial vehicle. The Committee is supportive of the upgrade, but is concerned with the lack of competition. In previous budget requests, the new payload has been described as an alternative source. However, the Army has informed the Committee that the new payload is now being described as an upgraded capability to include high definition. As stated in the Department of Defense Appropriations Act, 2016 (Public Law 114–113), the Committee directed the Secretary of the Army to review the acquisition strategy for this upgrade to validate sufficient competition exists before awarding the contract. The Committee looks forward to the results of this review.

*Technology Procurement.*—The Committee is concerned about the procurement of sensitive technologies (hardware, software, and services) and the potential transfer to nation states of concern. Further, the Committee directs the Department of Defense to provide a briefing to the congressional defense committees on plans to mitigate risks posed by the procurement of sensitive technologies.

## AIRCRAFT PROCUREMENT, ARMY

Appropriations, 2016 .....	\$5,866,367,000
Budget estimate, 2017 .....	3,614,787,000
Committee recommendation .....	4,088,298,000

The Committee recommends an appropriation of \$4,088,298,000. This is \$473,511,000 above the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	<b>AIRCRAFT PROCUREMENT, ARMY</b>						
	<b>AIRCRAFT</b>						
	<b>FIXED WING</b>						
1	UTILITY F/W CARGO AIRCRAFT .....	3	57,529	3	41,342		-16,187
3	MQ-1 UAV .....		55,388		55,388		
	<b>ROTARY</b>						
5	HELICOPTER, LIGHT UTILITY [LUH] .....				187,000		+187,000
6	AH-64 APACHE BLOCK IIIA REMAN .....	48	803,084	48	774,072		-29,012
7	AH-64 APACHE BLOCK IIIA REMAN [AP-CY] .....		185,160		185,160		
8	UH-60 BLACKHAWK [MYP] .....	36	755,146	36	1,112,646		+357,500
9	UH-60 BLACKHAWK [MYP] [AP-CY] .....		174,107		174,107		
10	UH-60 BLACKHAWK A AND L MODELS .....	38	46,173	38	46,173		
11	CH-47 HELICOPTER .....	22	556,257	22	556,257		
12	CH-47 HELICOPTER [AP-CY] .....		8,707		8,707		
	<b>TOTAL, AIRCRAFT</b> .....		2,641,551		3,140,852		+499,301
	<b>MODIFICATION OF AIRCRAFT</b>						
13	MQ-1 PAYLOAD—UAS .....		43,735		43,735		
15	AR/MULTI SENSOR ABN RECON [MIP] .....		94,527		94,527		
16	AH-64 MODS .....		137,883		122,883		-15,000
17	CH-47 CARGO HELICOPTER MODS .....		102,943		102,943		
18	GUARDRAIL SENSOR GRCS SEMA MODS [MIP] .....		4,055		3,055		-1,000
19	ARL SEMA MODS [MIP] .....		6,793		6,793		
20	ENARSS SEMA MODS [MIP] .....		13,197		11,197		-2,000
21	UTILITY/CARGO AIRPLANE MODS .....		17,526		17,526		
22	UTILITY HELICOPTER MODS .....		10,807		10,807		
23	NETWORK AND MISSION PLAN .....		74,752		67,752		-7,000
24	COMMS, NAV SURVEILLANCE .....		69,960		69,960		
25	GATM ROLLUP .....		45,302		45,302		
26	RQ-7 UAV MODS .....		71,169		71,169		
27	UAS MODS .....		21,804		21,804		

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, MODIFICATION OF AIRCRAFT .....		714,453		689,453		- 25,000
	SUPPORT EQUIPMENT AND FACILITIES						
	GROUND SUPPORT AVIONICS						
28	AIRCRAFT SURVIVABILITY EQUIPMENT .....		67,377		67,377		
29	SURVIVABILITY CM .....		9,565		9,565		
30	CMWS .....		41,626		41,626		
	OTHER SUPPORT						
32	AVIONICS SUPPORT EQUIPMENT .....		7,007		6,217		- 790
33	COMMON GROUND EQUIPMENT .....		48,234		48,234		
34	AIRCREW INTEGRATED SYSTEMS .....		30,297		30,297		
35	AIR TRAFFIC CONTROL .....		50,405		50,405		
36	INDUSTRIAL FACILITIES .....		1,217		1,217		
37	LAUNCHER, 2.75 ROCKET .....		3,055		3,055		
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES .....		258,783		257,993		- 790
	TOTAL, AIRCRAFT PROCUREMENT, ARMY .....		3,614,787		4,088,298		+ 473,511



## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	Utility F/W Aircraft .....	57,529	41,342	- 16,187
	Restoring acquisition accountability: Excess program management .....			- 3,587
	Restoring acquisition accountability: Unit cost growth .....			- 12,600
5	Helicopter, Light Utility [LUH] .....		187,000	+ 187,000
	Additional aircraft .....			+ 187,000
6	AH-64 Apache Block IIIA Reman .....	803,084	774,072	- 29,012
	Maintain program affordability: Unit costs efficiencies from Multiyear .....			- 9,600
	Restoring acquisition accountability: Excess government furnished equipment .....			- 19,412
8	UH-60 Blackhawk M Model (MYP) .....	755,146	1,112,646	+ 357,500
	Restoring acquisition accountability: Excess tooling .....			- 10,000
	Additional aircraft for the Army National Guard .....			+ 367,500
16	AH-64 Mods .....	137,883	122,883	- 15,000
	Improving funds management: Unobligated balances .....			- 15,000
18	Guardrail Sensor/GRCS SEMA Mods (MIP) .....	4,055	3,055	- 1,000
	Restoring acquisition accountability: Contract award delay excess program management .....			- 1,000
20	EMARSS SEMA Mods (MIP) .....	13,197	11,197	- 2,000
	Restoring acquisition accountability: Excess program management .....			- 2,000
23	Network and Mission Plan .....	74,752	67,752	- 7,000
	Restoring acquisition accountability: Aviation Mission Planning system delay .....			- 7,000
32	Avionics Support Equipment .....	7,007	6,217	- 790
	Restoring acquisition accountability: ANVIS unit cost growth .....			- 790

## MISSILE PROCUREMENT, ARMY

Appropriations, 2016 .....	\$1,600,957,000
Budget estimate, 2017 .....	1,519,966,000
Committee recommendation .....	1,501,289,000

The Committee recommends an appropriation of \$1,501,289,000. This is \$18,677,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER MISSILES						
	MISSILE PROCUREMENT, ARMY						
	SURFACE-TO-AIR MISSILE SYSTEM						
1	LOWER TIER AIR AND MISSILE DEFENSE [AMD]		126,470		120,470		-6,000
2	MSE MISSILE	85	423,201	85	423,201		
3	INDIRECT FIRE PROTECTION CAPABILITY		19,319		19,319		
	AIR-TO-SURFACE MISSILE SYSTEM						
4	HELLFIRE SYS SUMMARY	155	42,013	155	42,013		
5	JOINT AIR-TO-GROUND MSLS [JAGM]	324	64,751	324	61,911		-2,840
6	JOINT AIR-TO-GROUND MSLS [JAGM] [AP-CY]		37,100		37,100		
	ANTI-TANK/ASSAULT MISSILE SYSTEM						
7	JAVELIN (AAWS-M) SYSTEM SUMMARY	309	73,508	309	72,904		-604
8	TOW 2 SYSTEM SUMMARY	595	64,922	595	64,922		
9	TOW 2 SYSTEM SUMMARY [AP-CY]		19,949		10,716		-9,233
10	GUIDED MLRS ROCKET [GMLRS]	1,068	172,088	1,068	172,088		
11	MLRS REDUCED RANGE PRACTICE ROCKETS [RRPR]	1,704	18,004	1,704	18,004		
	TOTAL, OTHER MISSILES		1,061,325		1,042,648		-18,677
	MODIFICATION OF MISSILES						
	MODIFICATIONS						
13	PATRIOT MODS		197,107		197,107		
14	ATACMS MODS		150,043		150,043		
15	GMLRS MOD		395		395		
17	AVENGER MODS		33,606		33,606		
18	ITAS/TOW MODS		383		383		
19	MLRS MODS		34,704		34,704		
20	HIMARS MODIFICATIONS		1,847		1,847		
	TOTAL, MODIFICATION OF MISSILES		418,085		418,085		
	SPARES AND REPAIR PARTS						
21	SPARES AND REPAIR PARTS		34,487		34,487		

22	SUPPORT EQUIPMENT AND FACILITIES		4,915		4,915	
24	AIR DEFENSE TARGETS		1,154		1,154	
	PRODUCTION BASE SUPPORT					
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES		6,069		6,069	
	TOTAL, MISSILE PROCUREMENT, ARMY		1,501,289		1,501,289	- 18,677

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	Lower Tier Air and Missile Defense [AMD] .....	126,470	120,470	- 6,000
	Restoring acquisition accountability: Recurring cost growth .....			- 6,000
5	Joint Air-To-Ground MsIs [JAGM] .....	64,751	61,911	- 2,840
	Restoring acquisition accountability: Unjustified increase .....			- 2,840
7	Javelin (Aaws-M) System Summary .....	73,508	72,904	- 604
	Restoring acquisition accountability: Engineering services cost growth .....			- 604
9	Tow 2 System Summary—Advance Procurement .....	19,949	10,716	- 9,233
	Restoring acquisition accountability: AP excess to need .....			- 9,233

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES,  
ARMY

Appropriations, 2016 .....	\$1,951,646,000
Budget estimate, 2017 .....	2,265,177,000
Committee recommendation .....	2,161,777,000

The Committee recommends an appropriation of \$2,161,777,000. This is \$103,400,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES (W&TCV), ARMY						
1	TRACKED COMBAT VEHICLES						
	STRYKER VEHICLE .....		71,680		71,680		
2	MODIFICATION OF TRACKED COMBAT VEHICLES						
	STRYKER (MOD) .....		74,348		74,348		
3	STRYKER UPGRADE .....	62	444,561		410,461		-34,100
5	BRADLEY PROGRAM (MOD) .....		276,433	62	288,333		-18,100
6	HOWITZER, MED SP FT 155MM M109A6 (MOD) .....		63,138		63,138		
7	PALADIN PIPM MOD IN SERVICE .....	36	469,305	36	445,805		-23,500
8	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) .....	22	91,963	22	91,963		
9	ASSAULT BRIDGE (MOD) .....		3,465		3,465		
10	ARMORED BREACHER VEHICLE .....		2,928		2,928		
11	M88 FOV MODS .....		8,685		8,685		
12	JOINT ASSAULT BRIDGE .....	9	64,752	9	64,752		
13	M1 ABRAMS TANK (MOD) .....		480,166		480,166		
	SUPPORT EQUIPMENT AND FACILITIES						
	TOTAL, TRACKED COMBAT VEHICLES .....		2,051,424		1,975,724		-75,700
16	WEAPONS AND OTHER COMBAT VEHICLES						
	INTEGRATED AIR BURST WEAPON SYSTEM FAMILY .....		9,764		7,064		-2,700
17	MORTAR SYSTEMS .....		8,332		8,332		
18	XM320 GRENADE LAUNCHER MODULE (GLM) .....		3,062		3,062		
19	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM .....		992				-992
20	CARBINE .....		40,493		15,493		-25,000
21	COMMON REMOTELY OPERATED WEAPONS STATION .....		25,164		25,164		
	MOD OF WEAPONS AND OTHER COMBAT VEH						
22	MK-19 GRENADE MACHINE GUN MODS .....		4,959		4,959		
23	M777 MODS .....		11,913		11,913		
24	M4 CARBINE MODS .....		29,752		29,752		
25	M250 CAL MACHINE GUN MODS .....		48,582		48,582		
26	M249 SAW MACHINE GUN MODS .....		1,179		1,179		
27	M240 MEDIUM MACHINE GUN MODS .....		1,784		1,784		

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
28	SNIPER RIFLES MODIFICATIONS .....		971		1,963		+ 992
29	M119 MODIFICATIONS .....		6,045		6,045		
30	MORTAR MODIFICATION .....		12,118		12,118		
31	MODIFICATIONS LESS THAN \$5 MILLION (WOCV-WTCV) .....		3,157		3,157		
	SUPPORT EQUIPMENT AND FACILITIES						
32	ITEMS LESS THAN \$5 MILLION (WOCV-WTCV) .....		2,331		2,331		
35	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG) .....		3,155		3,155		
	TOTAL, WEAPONS AND OTHER COMBAT VEHICLES .....		213,753		186,053		- 27,700
	TOTAL, PROCUREMENT OF W&TCV, ARMY .....		2,265,177		2,161,777		- 103,400

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
3	Stryker Upgrade .....	444,561	410,461	− 34,100
	Improving funds management: Training and fielding early to need .....			− 34,100
5	Bradley Program (MOD) .....	276,433	258,333	− 18,100
	Maintain program affordability: Unjustified growth—contractor support .....			− 15,000
	Improving funds management: Excess to need, negotiated contract savings .....			− 3,100
7	Paladin Integrated Management (PIM) .....	469,305	445,805	− 23,500
	Restoring acquisition accountability: Estimated contract savings .....			− 23,500
16	Integrated Air Burst Weapon System Family .....	9,764	7,064	− 2,700
	Restoring acquisition accountability: Program delay .....			− 2,700
19	Compact Semi-Automatic Sniper System .....	992		− 992
	Transfer: Army-requested to WTCV lines 28 .....			− 992
20	Carbine .....	40,493	15,493	− 25,000
	Restoring acquisition accountability: Program delay .....			− 25,000
28	Sniper Rifles Modifications .....	971	1,963	+ 992
	Transfer: Army-requested from WTCV lines 19 .....			+ 992

*Crew-Served Weapons Industrial Base.*—Crew-served weapons such as the M2 .50 caliber machine gun and the M240 7.62mm medium machine gun have been a primary means of firepower for a variety of Army combat service support forces. However, the Committee is concerned that the programmatic direction for these weapons is inconsistent with the Army’s broader equipping objective, to reduce the soldier’s load while increasing the capability and reliability of the weapons. The Committee directs the Secretary of the Army to submit a report to the congressional defense committees, not later than 90 days after enactment of this act that outlines the plan to sustain crew-served weapons and support the individual weapons industrial base.

## PROCUREMENT OF AMMUNITION, ARMY

Appropriations, 2016 .....	\$1,245,426,000
Budget estimate, 2017 .....	1,513,157,000
Committee recommendation .....	1,467,066,000

The Committee recommends an appropriation of \$1,467,066,000. This is \$46,091,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AMMUNITION						
	SMALL/MEDIUM CAL AMMUNITION						
1	CTG, 5.56MM, ALL TYPES .....		40,296		40,296		
2	CTG, 7.62MM, ALL TYPES .....		39,237		39,237		
3	CTG, HANDGUN, ALL TYPES .....		5,193		5,193		
4	CTG, .50 CAL, ALL TYPES .....		46,693		46,693		
5	CTG, 20MM, ALL TYPES .....		7,000		7,000		
6	CTG, 25MM, ALL TYPES .....		7,753		7,753		
7	CTG, 30MM, ALL TYPES .....		47,000		47,000		
8	CTG, 40MM, ALL TYPES .....		118,178		111,824		-6,354
	MORTAR AMMUNITION						
9	60MM MORTAR, ALL TYPES .....		69,784		69,784		
10	81MM MORTAR, ALL TYPES .....		36,125		36,125		
11	120MM MORTAR, ALL TYPES .....		69,133		69,133		
	TANK AMMUNITION						
12	CTG TANK 105MM AND 120MM: ALL TYPES .....		120,668		117,853		-2,815
	ARTILLERY AMMUNITION						
13	CTG, ARTY, 75MM AND 105MM: ALL TYPES .....		64,800		61,300		-3,500
14	ARTILLERY PROJECTILE, 155MM, ALL TYPES .....		109,515		89,515		-20,000
15	PROJ 155MM EXTENDED RANGE XM982 .....		39,200		36,025		-3,175
16	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES .....		70,881		66,881		-4,000
	ROCKETS						
19	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....		38,000		28,000		-10,000
20	ROCKET, HYDRA 70, ALL TYPES .....		87,213		87,213		
	OTHER AMMUNITION						
21	CAD/PAD ALL TYPES .....		4,914		4,914		
22	DEMOLITION MUNITIONS, ALL TYPES .....		6,380		2,380		-4,000
23	GRENADES, ALL TYPES .....		22,760		22,760		
24	SIGNALS, ALL TYPES .....		10,666		6,166		-4,500



25	SIMULATORS, ALL TYPES .....	7,412	7,412				
	MISCELLANEOUS .....						
26	AMMO COMPONENTS, ALL TYPES .....	12,726	12,726				
27	NON-LETHAL AMMUNITION, ALL TYPES .....	6,100	4,100				-2,000
28	ITEMS LESS THAN \$5 MILLION .....	10,006	8,006				-2,000
29	AMMUNITION PECULIAR EQUIPMENT .....	17,275	13,528				-3,747
30	FIRST DESTINATION TRANSPORTATION (AMMO) .....	14,951	14,951				
	TOTAL, AMMUNITION .....	1,129,859	1,063,768				-66,091
	AMMUNITION PRODUCTION BASE SUPPORT .....						
	PRODUCTION BASE SUPPORT .....						
32	PROVISION OF INDUSTRIAL FACILITIES .....	222,269	242,269				+20,000
33	CONVENTIONAL MUNITIONS DEMILITARIZATION, ALL .....	157,383	157,383				
34	ARMS INITIATIVE .....	3,646	3,646				
	TOTAL, AMMUNITION PRODUCTION BASE SUPPORT .....	383,298	403,298				+20,000
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY .....	1,513,157	1,467,066				-46,091

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
8	CTG, 40mm, All Types .....	118,178	111,824	- 6,354
	Improving funds management: Program delays .....			- 6,354
12	Cartridges, Tank, 105MM and 120MM, All Types .....	120,668	117,853	- 2,815
	Improving funds management: Excess to requirement .....			- 2,815
13	Artillery Cartridges, 75MM & 105MM, All Types .....	64,800	61,300	- 3,500
	Restoring acquisition accountability: Acquisition strategy (75mm Blank) .....			- 3,500
14	Artillery Projectile, 155MM, All Types .....	109,515	89,515	- 20,000
	Restoring acquisition accountability: Unjustified growth .....			- 20,000
15	Proj 155mm Extended Range M982 .....	39,200	36,025	- 3,175
	Maintain program affordability: Eliminate program growth (production engineering) .....			- 3,175
16	Artillery Propellants, Fuzes and Primers, All .....	70,881	66,881	- 4,000
	Maintain program affordability: Maintain level of effort (PGK) .....			- 4,000
19	Shoulder Launched Munitions, All Types .....	38,000	28,000	- 10,000
	Restoring acquisition accountability: Acquisition strategy .....			- 10,000
22	Demolition Munitions, All Types .....	6,380	2,380	- 4,000
	Improving funds management: Unobligated balances .....			- 4,000
24	Signals, All Types .....	10,666	6,166	- 4,500
	Improving funds management: Excess to requirement .....			- 4,500
27	Non-Lethal Ammunition, All Types .....	6,100	4,100	- 2,000
	Improving funds management: Unobligated balances .....			- 2,000
28	Items Less Than \$5 Million (AMMO) .....	10,006	8,006	- 2,000
	Improving funds management: Unobligated balances .....			- 2,000
29	Ammunition Peculiar Equipment .....	17,275	13,528	- 3,747
	Improving funds management: Excess to requirement .....			- 3,747
32	Industrial Facilities .....	222,269	242,269	+ 20,000
	Program increase .....			+ 20,000

*Conventional Munitions Demilitarization.*—The Committee notes that at current funding levels the stockpile of conventional munitions awaiting demilitarization is projected to grow over the Future Years Defense Program. In light of current budget constraints, the Committee encourages the Secretary of the Army to assess new options for reducing risk, enhance efficiencies to achieve cost reduction, and leverage expertise from industry and academia to advance affordable demilitarization technology.

## OTHER PROCUREMENT, ARMY

Appropriations, 2016 .....	\$5,718,811,000
Budget estimate, 2017 .....	5,873,949,000
Committee recommendation .....	5,862,299,000

The Committee recommends an appropriation of \$5,862,299,000. This is \$11,650,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, ARMY						
	TACTICAL AND SUPPORT VEHICLES						
	TACTICAL VEHICLES						
1	TACTICAL TRAILERS/DOLLY SETS .....		3,733		2,578		-1,155
2	SEMITRAILERS, FLATBED .....		3,716		3,716		+ 50,000
3	HI MOB MULTI-PURP WILD VEH [HMMWV] .....		4,907		50,000		
4	GROUND MOBILITY VEHICLES [GMV] .....		4,907		4,907		+ 60,000
5	ARNG HMMWV MODERNIZATION PROGRAM .....				60,000		
6	JOINT LIGHT TACTICAL VEHICLE .....	1,828	587,514	1,828	587,514		
7	TRUCK, DUMP, 20T (GCE) .....		3,927				-3,927
8	FAMILY OF MEDIUM TACTICAL VEH [FMTV] .....	8	53,293	8	53,293		
9	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMENT .....		7,460		7,460		
10	FAMILY OF HEAVY TACTICAL VEHICLES [FHTV] .....	430	39,564	430	39,564		
11	PLS ESP .....		11,856		11,856		
13	TACTICAL WHEELED VEHICLE PROTECTION KITS .....		49,751		49,751		
14	MODIFICATION OF IN SVC EQUIP .....		64,000		64,000		
15	MINE-RESISTANT AMBUSH-PROTECTED MODS .....		10,611		10,611		
	NON-TACTICAL VEHICLES						
16	HEAVY ARMORED SEDAN .....		394		394		
18	NONTACTICAL VEHICLES, OTHER .....		1,755		1,755		
	TOTAL, TACTICAL AND SUPPORT VEHICLES .....		842,481		947,399		+ 104,918
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMM—JOINT COMMUNICATIONS						
19	WIN-T—GROUND FORCES TACTICAL NETWORK .....		427,598		427,598		
20	SIGNAL MODERNIZATION PROGRAM .....		58,250		58,250		
21	JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY .....		5,749		5,749		
22	JCS-EQUIPMENT (USREDCOM) .....		5,068		5,068		
	COMM—SATELLITE COMMUNICATIONS						
23	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS .....		143,805		143,805		
24	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....		36,580		36,580		

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
25	SHF TERM .....		1,985		1,985		
27	SMART-T (SPACE) .....		9,165		9,165		
31	COMM—C3 SYSTEM .....		2,530		2,530		
33	ARMY GLOBAL CMD & CONTROL SYS [AGCGS] .....		273,645	5,656	273,645		
34	HANDHELD MANPACK SMALL FORM FT [HMS] .....		25,017		18,937		-6,080
35	MID-TIER NETWORKING VEHICULAR RADIO [MNVVR] .....		12,326		12,326		
37	RADIO TERMINAL SET, MDS LVT(2) .....		2,034		2,034		
38	TRACTOR DESK .....		2,334		2,334		
39	TRACTOR RIDE .....		1,985		1,428		-557
40	SPIDER APLA REMOTE CONTROL UNIT .....		10,796		8,796		-2,000
42	SPIDER FAMILY OF NETWORKED MUNITIONS INCREASE .....		3,607		3,607		
43	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM .....		14,295		14,295		
44	UNIFIED COMMAND SUITE .....		19,893		19,893		
45	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE .....						
	COMM—INTELLIGENCE COMM .....						
47	CI AUTOMATION ARCHITECTURE [MIP] .....		1,388		1,388		
48	ARMY CA/MISO GPF EQUIPMENT .....		5,494		5,494		
49	FAMILY OF BIOMETRICS .....		2,978		2,978		
51	COMMUNICATIONS SECURITY [COMSEC] .....		131,356		131,356		
52	DEFENSIVE CYBER OPERATIONS .....		15,132		19,132		+4,000
	COMM—LONG HAUL COMMUNICATIONS .....						
53	BASE SUPPORT COMMUNICATIONS .....		27,452		27,452		
	COMM—BASE COMMUNICATIONS .....						
54	INFORMATION SYSTEMS .....		122,055		122,055		
55	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM .....	1	4,286	1	4,286		
56	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....		131,794		131,794		
	ELECT EQUIP .....						
59	ELECT EQUIP—TACT INT REL ACT [TIARA] .....		5,337		5,337		
62	JTT/CIBS-M [MIP] .....		242,514		217,814		-24,700
63	JOINT TACTICAL GROUND STATION [JTGS] .....		4,417		4,417		

64	TROJAN [MIP]	17,455	17,455	17,455	17,455
65	MOD OF IN-SVC EQUIP (INTEL SPT) [MIP]	44,965	44,965	44,965	44,965
66	CI HUMINT AUTO REPRING AND COLLICHSRCS[MIP]	7,658	7,658	7,658	7,658
67	CLOSE ACCESS TARGET RECONNAISSANCE [CATR]	7,970	7,970	7,970	7,970
68	MACHINE FOREIGN LANGUAGE TRANSLATION SYSTEM	545	545	545	545
70	ELECT EQUIP—ELECTRONIC WARFARE [EW]	68,453	68,453	68,453	68,453
71	LIGHTWEIGHT COUNTER MORTAR RADAR	3,235	3,235	3,235	3,235
72	EW PLANNING AND MANAGEMENT TOOLS	733	733	733	733
74	AIR VIGILANCE [AV]	1,740	1,740	1,740	1,740
75	FAMILY OF PERSISTENT SURVEILLANCE CAPABILITIES	455	455	455	455
76	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	176	176	176	176
77	CI MODERNIZATION [MIP]	40,171	40,171	40,171	40,171
78	ELECT EQUIP—TACTICAL SURV. [TAC SURV]	163,029	163,029	163,029	163,029
79	SENTINEL MODS	15,885	15,885	15,885	15,885
80	NIGHT VISION DEVICES	48,427	48,427	48,427	48,427
81	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	55,536	55,536	55,536	55,536
82	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	4,187	4,187	4,187	4,187
83	FAMILY OF WEAPON SIGHTS [FWS]	137,501	137,501	137,501	137,501
84	ARTILLERY ACCURACY EQUIP	50,726	50,726	50,726	50,726
85	JOINT BATTLE COMMAND—PLATFORM [JBC-P]	28,058	28,058	28,058	28,058
86	JOINT EFFECTS TARGETING SYSTEM [JETS]	5,924	5,924	5,924	5,924
87	MOD OF IN-SERVICE EQUIPMENT (LLDR)	22,331	22,331	22,331	22,331
88	COMPUTER BALLISTICS: LHMCB XM32	314,509	314,509	314,509	314,509
89	MORTAR FIRE CONTROL SYSTEM	8,660	8,660	8,660	8,660
90	COUNTERFIRE RADARS	54,376	54,376	54,376	54,376
91	ELECT EQUIP—TACTICAL C2 SYSTEMS	204,969	204,969	204,969	204,969
92	FIRE SUPPORT C2 FAMILY	4,718	4,718	4,718	4,718
93	AIR & MSL DEFENSE PLANNING & CONTROL SYS [AMID]	11,063	11,063	11,063	11,063
94	IAMD BATTLE COMMAND SYSTEM	151,318	151,318	151,318	151,318
95	LIFE CYCLE SOFTWARE SUPPORT [LCSS]	155,660	155,660	155,660	155,660
96	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	4,214	4,214	4,214	4,214
97	MANEUVER CONTROL SYSTEM [MCS]	16,185	16,185	16,185	16,185
98	GLOBAL COMBAT SUPPORT SYSTEM—ARMY	1,565	1,565	1,565	1,565
99	INTEGRATED PERSONNEL AND PAY SYSTEM—ARMY	17,693	17,693	17,693	17,693
100	RECONNAISSANCE AND SURVEYING INSTRUMENT SET	8,660	8,660	8,660	8,660
101	MOD OF IN-SERVICE EQUIPMENT (ENFIRE)	30,467	30,467	30,467	30,467
	ELECT EQUIP—AUTOMATION	17,693	17,693	17,693	17,693
	ARMY TRAINING MODERNIZATION	17,693	17,693	17,693	17,693

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
102	AUTOMATED DATA PROCESSING EQUIPMENT .....		107,960		107,960		
103	GENERAL FUND ENTERPRISE BUSINESS SYSTEM .....		6,416		6,416		
104	HIGH PERF COMPUTING MOD PROGRAM .....		58,614		58,614		
105	CONTRACT WRITING SYSTEM .....		986		986		
106	RESERVE COMPONENT AUTOMATION SYS [RCAS] .....		23,828		23,828		
107	ELECT EQUIP—AUDIO VISUAL SYS [A/V] .....		1,191		1,191		
108	TACTICAL DIGITAL MEDIA .....		1,995		1,995		
	ITEMS LESS THAN \$5 MILLION (SURVEYING EQUIPMENT) .....						
109	ELECT EQUIP—SUPPORT .....		403		403		
999	PRODUCTION BASE SUPPORT [C-E] .....		4,436		4,436		
	CLASSIFIED PROGRAMS .....						
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT .....		3,632,369		3,527,629		-104,740
	OTHER SUPPORT EQUIPMENT .....						
	CHEMICAL DEFENSIVE EQUIPMENT .....						
111	PROTECTIVE SYSTEMS .....		2,966		2,966		
112	FAMILY OF NON-LETHAL EQUIPMENT [FNLE] .....		9,795		9,490		-305
114	CBRN DEFENSE .....		17,922		17,922		
	BRIDGING EQUIPMENT .....						
115	TACTICAL BRIDGING .....		13,553		13,553		
116	TACTICAL BRIDGE, FLOAT-RIBBON .....		25,244		25,244		
117	BRIDGE SUPPLEMENTAL SET .....		983				-983
118	COMMON BRIDGE TRANSPORTER RECAP .....		25,176		25,176		
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT .....						
119	GROUND STANDOFF MINE DETECTION SYSTEM [GSTMIDS] .....		39,350		39,350		
120	AREA MINE DETECTION SYSTEM [AMIDS] .....		10,500		10,500		
121	HUSKY MOUNTED DETECTION SYSTEM [HMDS] .....		274		274		
122	ROBOTIC COMBAT SUPPORT SYSTEM .....		2,951		2,951		
123	EOD ROBOTICS SYSTEMS RECAPITALIZATION .....		1,949		1,949		
124	ROBOTICS AND APPLIQUE SYSTEMS .....		5,203		5,203		
125	EXPLOSIVE ORDNANCE DISPOSAL EOPMIT [EOD EOPMIT] .....		5,570		5,570		

126	REMOTE DEMOLITION SYSTEMS .....	6,238	5,238	.....	.....	.....	.....
127	ITEMS LESS THAN \$5 MILLION, COUNTERMINE EQUIPMENT .....	836	836	.....	.....	.....	-1,000
128	FAMILY OF BOATS AND MOTORS .....	3,171	3,171	.....	.....	.....	.....
	COMBAT SERVICE SUPPORT EQUIPMENT .....						
129	HEATERS AND ECUS .....	18,707	18,707	.....	.....	.....	.....
130	SOLDIER ENHANCEMENT .....	2,112	2,112	.....	.....	.....	.....
131	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) .....	10,856	10,856	.....	.....	.....	.....
132	GROUND SOLDIER SYSTEM .....	32,419	32,419	.....	.....	.....	.....
133	MOBILE SOLDIER POWER .....	30,014	30,014	.....	.....	.....	.....
135	FIELD FEEDING EQUIPMENT .....	12,544	12,544	.....	.....	.....	.....
136	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM .....	18,509	18,509	.....	.....	.....	.....
137	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS .....	29,384	29,384	.....	.....	.....	.....
	PETROLEUM EQUIPMENT .....						
139	QUALITY SURVEILLANCE EQUIPMENT .....	4,487	4,487	.....	.....	.....	.....
140	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....	42,656	35,656	.....	.....	.....	-7,000
	MEDICAL EQUIPMENT .....						
141	COMBAT SUPPORT MEDICAL .....	59,761	59,761	.....	.....	.....	.....
	MAINTENANCE EQUIPMENT .....						
142	MOBILE MAINTENANCE EQUIPMENT SYSTEMS .....	35,694	32,694	.....	.....	.....	-3,000
143	ITEMS LESS THAN \$5 MILLION (MAINT EQ) .....	2,716	2,716	.....	.....	.....	.....
	CONSTRUCTION EQUIPMENT .....						
144	GRADER, ROAD MTZD, HVY, 6X4 (CCE) .....	1,742	1,742	.....	.....	.....	.....
145	SCRAPERS, EARTHMOVING .....	26,233	26,233	.....	.....	.....	.....
147	HYDRAULIC EXCAVATOR .....	1,123	1,123	.....	.....	.....	.....
149	ALL TERRAIN CRANES .....	65,285	65,285	.....	.....	.....	.....
151	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) FOS .....	1,743	1,743	.....	.....	.....	.....
152	ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP .....	2,779	2,779	.....	.....	.....	.....
154	CONST EQUIP ESP .....	26,712	19,172	.....	.....	.....	-7,540
155	ITEMS LESS THAN \$5 MILLION (CONST EQUIP) .....	6,649	6,649	.....	.....	.....	.....
	RAIL FLOAT CONTAINERIZATION EQUIPMENT .....						
156	ARMY WATERCRAFT ESP .....	21,860	21,860	.....	.....	.....	.....
157	ITEMS LESS THAN \$5 MILLION (FLOAT/RAIL) .....	1,967	1,967	.....	.....	.....	.....
	GENERATORS .....						
158	GENERATORS AND ASSOCIATED EQUIPMENT .....	113,266	113,266	.....	.....	.....	.....
	MATERIAL HANDLING EQUIPMENT .....						
159	TACTICAL ELECTRIC POWER RECAPITALIZATION .....	7,867	7,867	.....	.....	.....	.....

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
160	FAMILY OF FORKLIFTS .....		2,307		2,307		
	TRAINING EQUIPMENT .....						
161	COMBAT TRAINING CENTERS SUPPORT .....		75,359		75,359		
162	TRAINING DEVICES, NONSYSTEM .....		253,050		253,050		
163	CLOSE COMBAT TACTICAL TRAINER .....		48,271		48,271		
164	AVIATION COMBINED ARMS TACTICAL TRAINER (AVCA) .....		40,000		40,000		
165	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING .....		11,543		11,543		
	TEST MEASURE AND DIG EQUIPMENT (TMD) .....						
166	CALIBRATION SETS EQUIPMENT .....		4,963		4,963		
167	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....		29,781		29,781		
168	TEST EQUIPMENT MODERNIZATION (TEMOD) .....		6,342		6,342		
	OTHER SUPPORT EQUIPMENT .....						
169	M25 STABILIZED BINOCULAR .....		3,149		3,149		
170	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT .....		18,003		20,003		+2,000
171	PHYSICAL SECURITY SYSTEMS (OPA3) .....		44,082		44,082		
172	BASE LEVEL COM'L EQUIPMENT .....		2,168		2,168		
173	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) .....		67,367		67,367		
174	PRODUCTION BASE SUPPORT (OTH) .....		1,528		1,528		
175	SPECIAL EQUIPMENT FOR USER TESTING .....		8,289		14,289		+6,000
177	TRACTOR YARD .....		6,888		6,888		
	TOTAL, OTHER SUPPORT EQUIPMENT .....		1,371,856		1,360,028		-11,828
	SPARE AND REPAIR PARTS .....						
179	INITIAL SPARES—C&E .....		27,243		27,243		
	TOTAL, SPARE AND REPAIR PARTS .....		27,243		27,243		
	TOTAL, OTHER PROCUREMENT, ARMY .....		5,873,949		5,862,299		-11,650



## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	Tactical Trailers/Dolly Sets .....	3,733	2,578	- 1,155
	Restoring acquisition accountability: PVT early to need .....			- 1,155
3	Hi Mob Multi-Purp Whld Veh [HMMWV] .....		50,000	+ 50,000
	HMMWV Ambulance Modernization .....			+ 50,000
5	ARNG HMMWV Modernization Program .....		60,000	+ 60,000
	HMMWV Ambulances for Guard and Reserve .....			+ 60,000
7	Truck, Dump, 20t (CCE) .....	3,927		- 3,927
	Restoring acquisition accountability: Procurement early to need .....			- 3,927
34	Mid-Tier Networking Vehicular Radio [MNVR] .....	25,017	18,937	- 6,080
	Restoring acquisition accountability: Schedule slip .....			- 6,080
39	Spider Apla Remote Control Unit .....	1,985	1,428	- 557
	Restoring acquisition accountability: Fielding cost growth .....			- 557
40	Spider Family of Networked Munitions Incr .....	10,796	8,796	- 2,000
	Restoring acquisition accountability: Engineering cost growth .....			- 2,000
52	Defensive CYBER Operations .....	15,132	19,132	+ 4,000
	Program Increase .....			+ 4,000
62	DCGS-A (MIP) .....	242,514	217,814	- 24,700
	Restoring acquisition accountability: Tech refresh growth .....			- 24,700
70	Lightweight Counter Mortar Radar .....	74,038	68,453	- 5,585
	Restoring acquisition accountability: Unit cost growth .....			- 5,585
78	Night Vision Devices .....	163,029	143,029	- 20,000
	Maintain program affordability: Maintain level of effort ...			- 20,000
86	Joint Effects Targeting System [JETS] .....	50,726	48,375	- 2,351
	Maintain program affordability: Non-recurring engineering previously funded .....			- 2,351
90	Counterfire Radars .....	314,509	297,509	- 17,000
	Restoring acquisition accountability: Unit cost growth .....			- 17,000
93	IAMD Battle Command System .....	204,969	174,502	- 30,467
	Restoring acquisition accountability: Concurrency .....			- 30,467
112	Family of Non-Lethal Equipment [FNLE] .....	9,795	9,490	- 305
	Restoring acquisition accountability: Unit cost growth .....			- 305
117	Bridge Supplemental Set .....	983		- 983
	Restoring acquisition accountability: Procurement early to need .....			- 983
126	Remote Demolition Systems .....	6,238	5,238	- 1,000
	Restoring acquisition accountability: Schedule slip .....			- 1,000
140	Distribution Systems, Petroleum & Water .....	42,656	35,656	- 7,000
	Maintain program affordability: Maintain level of effort ...			- 7,000
142	Mobile Maintenance Equipment Systems .....	35,694	32,694	- 3,000
	Maintain program affordability: Maintain level of effort ...			- 3,000
154	Const Equip Esp .....	26,712	19,172	- 7,540
	Restoring acquisition accountability: Unit cost growth .....			- 7,540
170	Rapid Equipping Soldier Support Equipment .....	18,003	20,003	+ 2,000
	Program Increase .....			+ 2,000
175	Special Equipment for User Testing .....	8,289	14,289	+ 6,000
	Program Increase .....			+ 6,000

**HMMWV Modernization.**—The Committee recognizes the critical role that technologies like antilock brakes and electronic stability control play in mitigating rollover accidents, although such technologies are not common on military tactical wheeled vehicles. The Army and Marine Corps recently completed a congressionally mandated study of potential up-armored High Mobility Multipurpose Wheeled Vehicle [HMMWV] automotive improvements, which included such technologies. As a result of the Modernization Ex-

panded Capability Vehicle-Automotive study, the Committee understands that safety-improvement technologies exist which could be applied to today’s HMMWV fleet. The Committee encourages the Army to initiate the necessary engineering and logistical analyses necessary to develop and compete an engineering proposal for Army up-armored HMMWV safety improvement kits as an element of future modernization efforts for HMMWVs in the Regular Army, Army National Guard, and Army Reserve fleets.

*HMMWV Ambulances.*—The Committee notes that the average age of ground ambulance fleets within the active and reserve components of the Army is 28 years. At current levels of investment, these fleets will remain less than 25 percent modernized across the Future Years Defense Program, impairing the total Army’s ability to execute its Federal and State missions. The Committee recommends an additional \$110,000,000 for High Mobility Multipurpose Wheeled Vehicle ambulances, of which \$50,000,000 is intended for the Regular Army, \$40,000,000 for the Army National Guard and \$20,000,000 for the Army Reserve.

*Family of Medium Tactical Vehicles.*—The Committee supports the Army’s plan to re compete the Family of Medium Tactical Vehicles [FMTV] program in light of the significant cost savings gained as a result of the 2010 competition. The Committee supports the Army’s plan, as outlined in the fiscal year 2017 budget request, to continue to produce the current generation of FMTV through the beginning of production of the upgraded FMTV in 2020. This proposal will mitigate risk to the FMTV industrial base as the contract is re competed.

*Tactical Bridging.*—The Committee is aware that the Army is replacing its aging MK II Bridge Erection Boats [BEB] with a newly designed BEB upgraded to meet current survivability, transportability, and interoperability requirements. It will provide Regular Army, Army National Guard, and Army Reserve engineer bridge companies with enhanced capability to conduct bridging, dive support, rafting, and patrols. The program expects to transition to full rate production in fiscal year 2017 and eventually procure 379 vessels. The Committee encourages the Army maintain close oversight of production to keep program costs low and meet planned acquisition objectives.

*Radiation Detection Devices.*—The Committee notes that shortfalls continue to exist within the reserve components in fielding the most current radiation detection devices, specifically personal dosimeters. To ensure our troops and domestic homeland first responders are provided with the best possible protection to monitor against nuclear exposure, the Committee encourages the Secretary of the Army to expedite the fielding of modern radiation detection equipment across the force.

AIRCRAFT PROCUREMENT, NAVY

Appropriations, 2016 .....	\$17,521,209,000
Budget estimate, 2017 .....	14,109,148,000
Committee recommendation .....	15,472,048,000

The Committee recommends an appropriation of \$15,472,048,000. This is \$1,362,900,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
<b>AIRCRAFT PROCUREMENT, NAVY</b>							
<b>COMBAT AIRCRAFT</b>							
2	F/A-18E/F (FIGHTER) HORNET [MYP] .....	.....	.....	.....	.....	.....	.....
3	JOINT STRIKE FIGHTER .....	4	890,650	12	979,000	+12	+979,000
4	JOINT STRIKE FIGHTER [AP-CY] .....	.....	80,908	6	983,650	+2	+93,000
5	JSF STOVL .....	16	2,037,768	18	2,114,568	+2	+76,800
6	JSF STOVL [AP-CY] .....	.....	233,648	.....	233,648	.....	.....
7	CH-53K (HEAVY LIFT) .....	.....	348,615	.....	322,015	.....	-26,600
8	CH-53K (HEAVY LIFT) [AP-CY] .....	.....	88,365	.....	88,365	.....	.....
9	V-22 (MEDIUM LIFT) .....	16	1,264,134	18	1,399,134	+2	+135,000
10	V-22 (MEDIUM LIFT) [AP-CY] .....	.....	19,674	.....	19,674	.....	.....
11	UH-1Y/AH-1Z .....	24	759,778	24	747,778	.....	-12,000
12	UH-1Y/AH-1Z [AP-CY] .....	.....	57,232	.....	57,232	.....	.....
14	MH-60R .....	.....	61,177	.....	53,177	.....	-8,000
16	P-8A POSEIDON .....	11	1,940,238	11	1,820,238	.....	-120,000
17	P-8A POSEIDON [AP-CY] .....	.....	123,140	.....	123,140	.....	.....
18	E-2D ADV HAWKEYE .....	6	916,483	6	916,483	.....	.....
19	E-2D ADV HAWKEYE [AP-CY] .....	.....	125,042	.....	125,042	.....	.....
TOTAL, COMBAT AIRCRAFT .....		.....	8,946,852	.....	10,064,052	.....	+1,117,200
<b>TRAINER AIRCRAFT</b>							
20	JPATS .....	.....	5,849	.....	5,849	.....	.....
TOTAL, TRAINER AIRCRAFT .....		.....	5,849	.....	5,849	.....	.....
<b>OTHER AIRCRAFT</b>							
21	KC-130J .....	2	128,870	2	128,870	.....	.....
22	KC-130J [AP-CY] .....	.....	24,848	.....	24,848	.....	.....
23	MQ-4 TRITON .....	2	409,005	2	389,005	.....	-20,000
24	MQ-4 TRITON [AP-CY] .....	.....	55,652	.....	55,652	.....	.....
25	MQ-8 UAV .....	1	72,435	1	72,435	.....	.....
TOTAL, OTHER AIRCRAFT .....		.....	690,810	.....	670,810	.....	-20,000

29	MODIFICATION OF AIRCRAFT				
30	AEA SYSTEMS	51,900	51,900		
31	AV-8 SERIES	60,818	60,818		
32	ADVERSARY	5,191	5,191		
33	F-18 SERIES	1,023,492	1,018,792	-4,700	
34	H-53 SERIES	46,095	46,095		
35	SH-60 SERIES	108,328	108,328		
36	H-1 SERIES	46,333	46,333		
37	EP-3 SERIES	14,681	14,681		
38	P-3 SERIES	2,781	2,781		
39	E-2 SERIES	32,949	32,949		
40	TRAINER A/C SERIES	13,199	13,199		
41	C-2A	19,066	19,066		
42	C-130 SERIES	61,788	59,788	-2,000	
43	FEWSG	618	618		
44	CARGO/TRANSPORT A/C SERIES	9,822	9,822		
45	E-6 SERIES	222,077	222,077		
46	EXECUTIVE HELICOPTERS SERIES	66,835	66,835		
47	SPECIAL PROJECT AIRCRAFT	16,497	16,497		
48	T-45 SERIES	114,887	114,887		
49	POWER PLANT CHANGES	16,893	14,893	-2,000	
50	JPATS SERIES	17,401	17,401		
51	COMMON ECM EQUIPMENT	143,773	143,773		
52	COMMON AVIONICS CHANGES	164,839	164,839		
53	COMMON DEFENSIVE WEAPON SYSTEM	4,403	4,403		
54	ID SYSTEMS	45,768	45,768		
55	P-8 SERIES	18,836	18,036	-800	
56	MAGTF EW FOR AVIATION	5,676	5,676		
57	MQ-8 SERIES	19,003	19,003		
58	RQ-7 SERIES	3,534	1,534	-2,000	
59	V-22 (TILT/ROTOR ACFT) OSPREY	141,545	141,545		
60	F-35 STOVL SERIES	34,928	34,928		
61	F-35 CV SERIES	26,004	26,004		
62	QUICK REACTION CAPABILITY [QRC]	5,476	5,476		
	TOTAL, MODIFICATION OF AIRCRAFT	2,565,436	2,553,936	-11,500	
63	AIRCRAFT SPARES AND REPAIR PARTS	1,407,626	1,707,626	+300,000	
	SPARES AND REPAIR PARTS				

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
64	COMMON GROUND EQUIPMENT .....		390,103		367,303		-22,800
65	AIRCRAFT INDUSTRIAL FACILITIES .....		23,194		23,194		
66	WAR CONSUMABLES .....		40,613		40,613		
67	OTHER PRODUCTION CHARGES .....		860		860		
68	SPECIAL SUPPORT EQUIPMENT .....		36,282		36,282		
69	FIRST DESTINATION TRANSPORTATION .....		1,523		1,523		
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES .....		492,575		469,775		-22,800
	TOTAL, AIRCRAFT PROCUREMENT, NAVY .....		14,109,148		15,472,048		+1,362,900

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
2	F/A-18E/F (Fighter) Hornet .....		979,000	+ 979,000
	Additional 12 aircraft .....			+ 979,000
3	Joint Strike Fighter CV .....	890,650	983,650	+ 93,000
	Improving funds management: Prior year carryover .....			- 177,000
	Program increase: Additional 2 F-35Cs for the Marine Corps .....			+ 270,000
5	JSF STOVL .....	2,037,768	2,114,568	+ 76,800
	Improving funds management: Unit cost growth .....			- 160,000
	Program increase: Additional 2 F-35Bs for the Marine Corps .....			+ 236,800
7	CH-53K (Heavy Lift) .....	348,615	322,015	- 26,600
	Maintain program affordability: Recurring costs excess to need .....			- 12,600
	Restoring acquisition accountability: Support equipment early to need .....			- 14,000
9	V-22 (Medium Lift) .....	1,264,134	1,399,134	+ 135,000
	Restoring acquisition accountability: Support cost growth ..			- 15,000
	Program increase: Additional 2 MV-22s for the Marine Corps .....			+ 150,000
11	H-1 Upgrades (UH-1Y/AH-1Z) .....	759,778	747,778	- 12,000
	Restoring acquisition accountability: Unit cost growth .....			- 12,000
14	MH-60R (MYP) .....	61,177	53,177	- 8,000
	Maintain program affordability: Field activity funding ahead of need .....			- 8,000
16	P-8A Poseidon .....	1,940,238	1,820,238	- 120,000
	Restoring acquisition accountability: Unit cost growth .....			- 77,000
	Improving funds management: Prior year carryover, organic depot standup .....			- 43,000
23	MQ-4 Triton .....	409,005	389,005	- 20,000
	Maintain program affordability: Contract savings .....			- 20,000
32	F-18 Series .....	1,023,492	1,018,792	- 4,700
	Improving funds management: Prior year carryover .....			- 9,700
	Program increase: Electronic warfare upgrades .....			+ 5,000
42	C-130 Series .....	61,788	59,788	- 2,000
	Improving funds management: Prior year carryover .....			- 2,000
49	Power Plant Changes .....	16,893	14,893	- 2,000
	Improving funds management: Prior year carryover .....			- 2,000
55	P-8 Series .....	18,836	18,036	- 800
	Improving funds management: Prior year carryover .....			- 800
58	RQ-7 Series .....	3,534	1,534	- 2,000
	Improving funds management: Prior year carryover .....			- 2,000
63	Spares and Repair Parts .....	1,407,626	1,707,626	+ 300,000
	Program increase: Spares and repair parts for the Marine Corps .....			+ 300,000
64	Common Ground Equipment .....	390,103	367,303	- 22,800
	Improving funds management: Prior year carryover .....			- 22,800

*Marine Corps Aviation Readiness.*—The Committee is concerned about the state of Marine Corps aviation readiness but recognizes that there is a 4-year recovery effort underway to get aviation back up to the goal of T-2.0 readiness. While the fiscal year 2017 budget request maximizes throughput at maintenance depots, recent incidents and press reports about spare parts shortages indicate continued attention is necessary. The Committee therefore recommends additional funding in Aircraft Procurement, Navy for

spare parts and other needs. The Committee urges the Navy and Marine Corps to continue to prioritize restoring aviation readiness.

*Navy Reserve Tactical Aircraft.*—The Committee notes that the Navy submitted a report to Congress in March 2016 titled, Navy Reserve Tactical Aviation Force Recapitalization and Modernization. The two Navy Reserve F/A-18 squadrons identified in the report provide the Navy’s active combat force with adversary support and also fulfill the strategic reserve mission. The Committee remains concerned about the Navy’s Strike Fighter Inventory Management strategy, including the plan to recapitalize the Navy Reserve’s aircraft. The Navy Reserve is strained to accomplish its missions and, to make matters worse, the aircraft fleet will begin to exceed its service life in the next 5 years. Therefore, the Committee directs the Navy to provide an update on the implementation of the Strike Fighter Inventory Management strategy, to include a 3-year recapitalization and funding plan for the Navy Reserve’s two squadrons, with the submission of the fiscal year 2018 budget request.

WEAPONS PROCUREMENT, NAVY

Appropriations, 2016 .....	\$3,049,542,000
Budget estimate, 2017 .....	3,209,262,000
Committee recommendation .....	3,226,750,000

The Committee recommends an appropriation of \$3,226,750,000. This is \$17,488,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:



[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	<b>WEAPONS PROCUREMENT, NAVY</b>						
	BALLISTIC MISSILES						
	MODIFICATION OF MISSILES						
1	TRIDENT II MODS .....		1,103,086		1,103,086		
	SUPPORT EQUIPMENT AND FACILITIES						
2	MISSILE INDUSTRIAL FACILITIES .....		6,776		6,776		
	TOTAL, BALLISTIC MISSILES .....		1,109,862		1,109,862		
	OTHER MISSILES						
	STRATEGIC MISSILES						
3	TOMAHAWK .....	100	186,905	100	236,105		+ 49,200
	TACTICAL MISSILES						
4	AMRAAM .....	163	204,697	163	197,263		- 7,434
5	SIDEWINDER .....	152	70,912	152	70,912		
6	JSOW .....		2,232		2,232		
7	STANDARD MISSILE .....	125	501,212	125	481,212		- 20,000
8	RAM .....	90	71,557	90	71,557		
9	JOINT AIR GROUND MISSILE [JAGM] .....	96	26,200	96	21,922		- 4,278
12	STAND OFF PRECISION GUIDED MUNITION .....	24	3,316	24	3,316		
13	AERIAL TARGETS .....		137,484		137,484		
14	OTHER MISSILE SUPPORT .....		3,248		3,248		
15	LRASM .....	10	29,643	10	29,643		
	MODIFICATION OF MISSILES						
16	ESSM .....	75	52,935	75	52,935		
18	HARM MODS .....		178,213		178,213		
19	STANDARD MISSILES MODS .....		8,164		8,164		
	SUPPORT EQUIPMENT AND FACILITIES						
20	WEAPONS INDUSTRIAL FACILITIES .....		1,964		1,964		
21	FLEET SATELLITE COMM FOLLOW-ON .....		36,723		36,723		

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
22	ORDNANCE SUPPORT EQUIPMENT		59,096		59,096		
	ORDNANCE SUPPORT EQUIPMENT		1,574,501		1,591,989		+ 17,488
	TOTAL, OTHER MISSILES						
	TORPEDOES AND RELATED EQUIPMENT						
23	TORPEDOES AND RELATED EQUIP						
	SSTD		5,910		5,910		
24	MK-48 TORPEDO	11	44,537	11	44,537		
25	ASW TARGETS		9,302		9,302		
26	MK-54 TORPEDO MODS		98,092		98,092		
27	MK-48 TORPEDO ADCAP MODS		46,139		46,139		
28	QUICKSTRIKE MINE		1,236		1,236		
	SUPPORT EQUIPMENT						
29	TORPEDO SUPPORT EQUIPMENT		60,061		60,061		
30	ASW RANGE SUPPORT		3,706		3,706		
	DESTINATION TRANSPORTATION						
31	FIRST DESTINATION TRANSPORTATION		3,804		3,804		
	TOTAL, TORPEDOES AND RELATED EQUIPMENT		272,787		272,787		
	OTHER WEAPONS						
	GUNS AND GUN MOUNTS						
32	SMALL ARMS AND WEAPONS		18,002		18,002		
	MODIFICATION OF GUNS AND GUN MOUNTS						
33	CWS MODS		50,900		50,900		
34	COAST GUARD WEAPONS		25,295		25,295		
35	GUN MOUNT MODS		77,003		77,003		
36	LCS MODULE WEAPONS	24	2,776	24	2,776		
38	AIRBORNE MINE NEUTRALIZATION SYSTEMS		15,753		15,753		
	TOTAL, OTHER WEAPONS		189,729		189,729		

40	SPARES AND REPAIR PARTS .....		62,383		62,383		
	TOTAL, WEAPONS PROCUREMENT, NAVY .....		3,209,262		3,226,750		+ 17,488

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
3	Tomahawk .....	186,905	236,105	+ 49,200
	Program Increase .....			+ 56,200
	Restoring acquisition accountability: Unit cost growth ...			- 7,000
4	AMRAAM .....	204,697	197,263	- 7,434
	Restoring acquisition accountability: Unit cost growth ...			- 7,434
7	Standard Missile .....	501,212	481,212	- 20,000
	Restoring acquisition accountability: ECP cost growth ...			- 20,000
9	Joint Air Ground Missile (JAGM) .....	26,200	21,922	- 4,278
	Restoring acquisition accountability: AUR unit cost variance .....			- 4,278

## PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

Appropriations, 2016 .....	\$651,920,000
Budget estimate, 2017 .....	664,368,000
Committee recommendation .....	662,968,000

The Committee recommends an appropriation of \$662,968,000. This is \$1,400,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROC AMMO, NAVY						
	NAVY AMMUNITION						
1	GENERAL PURPOSE BOMBS		91,659		91,659		
2	AIRBORNE ROCKETS, ALL TYPES		65,759		65,759		
3	MACHINE GUN AMMUNITION		8,152		8,152		
4	PRACTICE BOMBS		41,873		41,873		
5	CARTRIDGES & CART ACTUATED DEVICES		54,002		54,002		
6	AIR EXPENDABLE COUNTERMEASURES		57,034		57,034		
7	JATOS		2,735		2,735		
9	5 INCH/54 GUN AMMUNITION		19,220		19,220		
10	INTERMEDIATE CALIBER GUN AMMUNITION		30,196		30,196		
11	OTHER SHIP GUN AMMUNITION		39,009		46,209		+7,200
12	SMALL ARMS & LANDING PARTY AMMO		46,727		46,727		
13	PYROTECHNIC AND DEMOLITION		9,806		9,806		
14	AMMUNITION LESS THAN \$5 MILLION		2,900		2,900		
	TOTAL, PROC AMMO, NAVY		469,072		476,272		+7,200
	PROC AMMO, MARINE CORPS						
	MARINE CORPS AMMUNITION						
15	SMALL ARMS AMMUNITION		27,958		27,958		
17	40 MM, ALL TYPES		14,758		14,758		
18	60MM, ALL TYPES		992		992		
20	120MM, ALL TYPES		16,757		12,157		-4,600
21	GRENADES, ALL TYPES		972		972		
22	ROCKETS, ALL TYPES		14,186		14,186		
23	ARTILLERY, ALL TYPES		68,656		68,656		
24	DEMOLITION MUNITIONS, ALL TYPES		1,700		1,700		
25	FUZE, ALL TYPES		26,088		26,088		
27	AMMO MODERNIZATION		14,660		14,660		
28	ITEMS LESS THAN \$5 MILLION		8,569		4,569		-4,000

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, PROC AMMO, MARINE CORPS .....		195,296		186,696		-8,600
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS .....		664,368		662,968		-1,400

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
11	Other Ship Gun Ammunition .....	39,009	46,209	+ 7,200
	Program increase .....			+ 7,200
20	120mm, All Types .....	16,757	12,157	- 4,600
	Improving funds management: Forward financing .....			- 4,600
28	Items Less Than \$5 Million .....	8,569	4,569	- 4,000
	Improving funds management: Unobligated balances .....			- 4,000

## SHIPBUILDING AND CONVERSION, NAVY

Appropriations, 2016 .....	\$18,704,539,000
Budget estimate, 2017 .....	18,354,874,000
Committee recommendation .....	20,460,724,000

The Committee recommends an appropriation of \$20,460,724,000. This is \$2,105,850,000 above the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
<b>SHIPBUILDING &amp; CONVERSION, NAVY</b>							
1	FLEET BALLISTIC MISSILE SHIPS		773,138		773,138		
	OHIO REPLACEMENT SUBMARINE (AP-CY)						- 16,000
<b>OTHER WARSHIPS</b>							
2	CARRIER REPLACEMENT PROGRAM		1,291,783		1,275,783		
3	CARRIER REPLACEMENT PROGRAM (AP-CY)		1,370,784		1,370,784		
4	VIRGINIA CLASS SUBMARINE	2	3,187,985	2	3,187,985		
5	VIRGINIA CLASS SUBMARINE (AP-CY)		1,767,234		1,852,234		+ 85,000
6	CVN REFUELING OVERHAUL		1,743,220		1,743,220		
7	CVN REFUELING OVERHAULS (AP-CY)		248,599		233,149		- 15,450
8	DDG 1000		271,756		271,756		
9	DDG-51	2	3,211,292	3	3,614,792		+ 403,500
11	LITTORAL COMBAT SHIP	2	1,125,625	3	1,600,625		+ 475,000
	TOTAL, OTHER WARSHIPS		14,218,278		15,150,328		+ 932,050
<b>AMPHIBIOUS SHIPS</b>							
13	AMPHIBIOUS SHIP REPLACEMENT (AP-CY)				200,000		+ 200,000
16	LHA REPLACEMENT	1	1,623,024	1	1,623,024		
	TOTAL, AMPHIBIOUS SHIPS		1,623,024		1,823,024		+ 200,000
<b>AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS</b>							
20	TAO FLEET OILER (AP-CY)		73,079		73,079		
22	MOORED TRAINING SHIP	1	624,527	1	624,527		
25	OUTFITTING		666,158		639,958		- 26,200
26	SHIP TO SHORE CONNECTOR	2	128,067	2	128,067		
27	SERVICE CRAFT		65,192		65,192		
28	LCAC SLEP		1,774		1,774		
29	YP CRAFT MAINTENANCE/ROH/SLEP		21,363		21,363		
30	COMPLETION OF PY SHIPBUILDING PROGRAMS		160,274		160,274		
31	POLAR ICEBREAKERS	1		1	1,000,000		+ 1,000,000



TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM .....	.....	1,740,434	.....	2,714,234	.....	+ 973,800
TOTAL, SHIPBUILDING & CONVERSION, NAVY .....	.....	18,354,874	.....	20,460,724	.....	+2,105,850

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
2	Carrier Replacement Program .....	1,291,783	1,275,783	- 16,000
	Restoring acquisition accountability: Reduction in change orders growth .....			- 16,000
5	Virginia Class Submarine—AP .....	1,767,234	1,852,234	+ 85,000
	Program increase .....			+ 85,000
7	CVN Refueling Overhauls—AP .....	248,599	233,149	- 15,450
	Maintain program affordability: Other costs growth .....			- 7,500
	Maintain program affordability: Basic plans growth .....			- 4,300
	Maintain program affordability: Electronics cost growth .....			- 3,650
9	DDG—51 .....	3,211,292	3,614,792	+ 403,500
	Final increment of DDG 51 partially funded in fiscal year 2016 .....			+ 433,000
	Budget document disparity: Change orders reduction from two ships requested for fiscal year 2017 .....			- 29,500
11	Littoral Combat Ship .....	1,125,625	1,600,625	+ 475,000
	Additional ship .....			+ 475,000
13	Amphibious Ship Replacement—AP .....		200,000	+ 200,000
	Additional funding to support LPD 29 or LX(R) class of ships .....			+ 200,000
25	Outfitting .....	666,158	639,958	- 26,200
	Improving funds management: Outfitting and post delivery funds early to need .....			- 26,200
31	Polar Icebreakers .....		1,000,000	+ 1,000,000
	One ship for the polar icebreaker recapitalization project .....			+ 1,000,000

*Polar Icebreaker Recapitalization Project.*—As detailed in the report accompanying the Senate version of the fiscal year 2015 Department of Defense Appropriations Bill (Senate Report 113–211), the Committee is concerned that the United States is operating an icebreaker fleet consisting of only one heavy and one medium vessel. This falls short of U.S. requirements which independent analysis has determined requires three heavy and three medium icebreakers to cover our Nation’s needs in the Arctic and Antarctic. Recognizing the strategic importance of polar operations to our Nation’s future security and prosperity, the Committee strongly supports proposals to accelerate new construction of icebreaker ships.

In August of last year, the President of the United States visited the Arctic and upon his return announced plans to accelerate planned icebreaker construction from 2022 to 2020. During this announcement, the President expressed his commitment to work with Congress to make sure the United States produces an icebreaker fleet sufficient to meet our economic, commercial, maritime and national security needs. The Committee believes this was an important step to ensuring year-round access to the Polar Regions and increasing U.S. Government’s capability in these areas.

Further, the current age and condition of the operational U.S. polar icebreaker fleet, the *Polar Star* and the *Healy*, validates the need to pursue an accelerated replacement timeline. The *Polar Star* entered service in 1976 and is now well beyond its original 30-year service life. The ship was refurbished and reentered service in 2012 for an intended additional service period of 7 to 10 years—ending

between 2019 and 2022. The *Healy*, the last icebreaker produced for the U.S. Government, was funded more than 25 years ago by the Department of Defense Appropriations Act, 1990 (Public Law 101–165).

While the effort to speed polar icebreaker acquisition by 2 years is commendable, the Committee believes more must be done now to expand our capabilities and to defend interests in the Polar Regions. In addition to concerns about our current fleet, the Committee notes that Russia has roughly 40 operational icebreakers and 11 icebreakers either planned or under construction. Therefore, to further accelerate production, the Committee recommends \$1,000,000,000 in the “Shipbuilding and Conversion, Navy” account to construct domestically the first U.S. Coast Guard operated ship for the Polar Icebreaker Recapitalization Project. In order to achieve an earlier start on this project and to reduce cost and schedule risk, the Committee encourages the selection of an in-service U.S. hull design and the setting of limitations on overall ship specifications and requirements. The Committee directs the Secretary of Defense in coordination with the Secretary of Homeland Security to submit a report to the appropriate congressional committees not later than September 30, 2016 which provides polar icebreaker requirements, preferred design, overall acquisition strategy, and a breakout of funds necessary to support the acquisition.

*Expeditionary Fast Transport [EFT].*—The Department of Defense Appropriations Act, 2016 (Public Law 114–113) provided funds for a 12th Expeditionary Fast Transport ship, formerly known as the Joint High Speed Vessel. The Committee has supported the construction of additional EFTs and notes a previous requirement for 18 ships. The Department decided to assume risk with the overall ship requirement due to fiscal constraints and reduced the program procurement objective when it submitted its budget for fiscal year 2013. As these ships are deployed, the Committee understands that Combatant and Fleet Commanders are identifying additional missions for the ships since they provide a means for fast intra-theater transportation of troops, military vehicles and equipment which thereby free up the more limited high-end platforms for more appropriate missions. While the Committee does not recommend funding for an additional ship in fiscal year 2017, the Committee supports a Navy reassessment of the overall procurement objective to determine if there is a requirement for more ships to meet Fleet demand.

OTHER PROCUREMENT, NAVY

Appropriations, 2016 .....	\$6,484,257,000
Budget estimate, 2017 .....	6,338,861,000
Committee recommendation .....	6,229,762,000

The Committee recommends an appropriation of \$6,229,762,000. This is \$109,099,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, NAVY						
	SHIPS SUPPORT EQUIPMENT						
	SHIP PROPULSION EQUIPMENT						
3	SURFACE POWER EQUIPMENT		15,514		15,514		
4	HYBRID ELECTRIC DRIVE (HED)		40,132		35,933		-4,199
	GENERATORS						
5	SURFACE COMBATANT HM&E		29,974		29,974		
	NAVIGATION EQUIPMENT						
6	OTHER NAVIGATION EQUIPMENT		63,942		63,942		
	PERISCOPES						
8	SUB PERISCOPES & IMAGING EQUIP		136,421		136,421		
	OTHER SHIPBOARD EQUIPMENT						
9	DDG MOD		367,766		367,766		
10	FIREFIGHTING EQUIPMENT		14,743		14,743		
11	COMMAND AND CONTROL SWITCHBOARD		2,140		2,140		
12	LHA/LHD MIDLIFE		24,939		24,939		
14	POLLUTION CONTROL EQUIPMENT		20,191		19,342		-849
15	SUBMARINE SUPPORT EQUIPMENT		8,995		8,995		
16	VIRGINIA CLASS SUPPORT EQUIPMENT		66,838		66,838		
17	LCS CLASS SUPPORT EQUIPMENT		54,823		48,053		-6,770
18	SUBMARINE BATTERIES		23,359		23,359		
19	LPD CLASS SUPPORT EQUIPMENT		40,321		35,455		-4,866
20	DDG-1000 SUPPORT EQUIPMENT		33,404		33,404		
21	STRATEGIC PLATFORM SUPPORT EQUIP		15,836		15,836		
22	DSSP EQUIPMENT		806		806		
23	CRUISER MODERNIZATION				55,800		+ 55,800
24	LCAC		3,090		3,090		
25	UNDERWATER EOD PROGRAMS		24,350		24,350		
26	ITEMS LESS THAN \$5 MILLION		88,719		79,582		-9,137
27	CHEMICAL WARFARE DETECTORS		2,873		2,873		
28	SUBMARINE LIFE SUPPORT SYSTEM		6,043		2,329		-3,714

30	REACTOR PLANT EQUIPMENT		342,158	342,158			
	REACTOR COMPONENTS						
31	OCEAN ENGINEERING		8,973	8,973			
	DIVING AND SALVAGE EQUIPMENT						
32	SMALL BOATS		43,684	55,684			+ 12,000
	STANDARD BOATS						
	TRAINING EQUIPMENT						
34	PRODUCTION FACILITIES EQUIPMENT		75,421	75,421			
	OPERATING FORCES IPE						
35	OTHER SHIP SUPPORT		172,718	172,718			
	NUCLEAR ALTERATIONS						
36	LCS COMMON MISSION MODULES EQUIPMENT		27,840	15,670			- 12,170
37	LCS MCM MISSION MODULES		57,146	34,546			- 22,600
38	LCS ASW MISSION MODULES		31,952	31,952			- 31,952
39	LCS SUW MISSION MODULES		22,466	21,064			- 1,402
	LOGISTICS SUPPORT						
41	LSD MIDLIFE		10,813	56,513			+ 45,700
	TOTAL, SHIPS SUPPORT EQUIPMENT		1,878,390	1,894,231			+ 15,841
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	SHIP SONARS						
42	SPO-9B RADAR		14,363	14,363			
43	AWSSQ-89 SURF ASW COMBAT SYSTEM		90,029	87,824			- 2,205
45	SSN ACOUSTICS		248,765	268,765			+ 20,000
46	UNDERSEA WARFARE SUPPORT EQUIPMENT		7,163	7,163			
	ASW ELECTRONIC EQUIPMENT						
48	SUBMARINE ACOUSTIC WARFARE SYSTEM		21,291	21,291			
49	SSTD		6,893	6,893			
50	FIXED SURVEILLANCE SYSTEM		145,701	145,701			
51	SURTASS		36,136	36,136			
	ELECTRONIC WARFARE EQUIPMENT						
53	AWSLQ-32		274,892	211,912			- 62,980
	RECONNAISSANCE EQUIPMENT						
54	SHIPBOARD IW EXPLOIT		170,733	170,733			
55	AUTOMATED IDENTIFICATION SYSTEM (AIS)		958	958			

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	SUBMARINE SURVEILLANCE EQUIPMENT						
57	OTHER SHIP ELECTRONIC EQUIPMENT		22,034		22,034		
59	COOPERATIVE ENGAGEMENT CAPABILITY		12,336		12,336		
60	NAVAL TACTICAL COMMAND SUPPORT SYSTEM [NTCSS]		30,105		27,921		-2,184
61	ATDLS		4,556		4,556		
62	NAVY COMMAND AND CONTROL SYSTEM [NCCS]		56,675		32,198		-24,477
63	MINESWEEPING SYSTEM REPLACEMENT		8,875		8,875		
64	SHALLOW WATER MCM		12,752		12,752		
65	NAVSTAR GPS RECEIVERS (SPACE)		4,577		4,577		
66	ARMED FORCES RADIO AND TV		8,972		8,972		
	STRATEGIC PLATFORM SUPPORT EQUIP						
	TRAINING EQUIPMENT						
	AVIATION ELECTRONIC EQUIPMENT						
69	ASHORE ATC EQUIPMENT		75,068		75,068		
70	AFLOAT ATC EQUIPMENT		33,484		33,484		
76	ID SYSTEMS		22,177		22,177		
77	NAVAL MISSION PLANNING SYSTEMS		14,273		14,273		
80	TACTICAL/MOBILE C4I SYSTEMS		27,927		27,927		
	OTHER SHORE ELECTRONIC EQUIPMENT						
81	DGGS-N		12,676		12,676		
82	CANES		212,030		185,860		-26,170
83	RADIAC		8,092		8,092		
84	CANES-INTELL		36,013		31,746		-4,267
85	GPETE		6,428		6,428		
87	INTEG COMBAT SYSTEM TEST FACILITY		8,376		8,376		
88	EMI CONTROL INSTRUMENTATION		3,971		3,971		
89	ITEMS LESS THAN \$5 MILLION		58,721		58,721		
	SHIPBOARD COMMUNICATIONS						
90	SHIPBOARD TACTICAL COMMUNICATIONS		17,366		16,252		-1,114
91	SHIP COMMUNICATIONS AUTOMATION		102,479		102,479		
92	COMMUNICATIONS ITEMS UNDER \$5M		10,403		10,403		



[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
113	FBM SUPPORT EQUIPMENT		215,138		215,138		
	STRATEGIC MISSILE SYSTEMS EQUIP .....						
114	ASW SUPPORT EQUIPMENT		130,715		130,715		
115	SSN COMBAT CONTROL SYSTEMS .....		26,431		26,431		
	ASW SUPPORT EQUIPMENT .....						
116	OTHER ORDNANCE SUPPORT EQUIPMENT		11,821		11,821		
117	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....		6,243		6,243		
	ITEMS LESS THAN \$5 MILLION .....						
118	OTHER EXPENDABLE ORDNANCE		48,020		48,020		
120	SUBMARINE TRAINING DEVICE MODS .....		97,514		94,979		-2,535
	SURFACE TRAINING EQUIPMENT .....						
	TOTAL, ORDNANCE SUPPORT EQUIPMENT .....		933,565		931,030		-2,535
121	CIVIL ENGINEERING SUPPORT EQUIPMENT		8,853		8,853		
122	PASSENGER CARRYING VEHICLES .....		4,928		4,928		
123	GENERAL PURPOSE TRUCKS .....		18,527		18,527		
124	CONSTRUCTION & MAINTENANCE EQUIP .....		13,569		13,569		
125	FIRE FIGHTING EQUIPMENT .....		14,917		14,917		
126	TACTICAL VEHICLES .....		7,676		7,676		
127	AMPHIBIOUS EQUIPMENT .....		2,321		2,321		
128	POLLUTION CONTROL EQUIPMENT .....		12,459		8,436		-4,023
129	ITEMS UNDER \$5 MILLION .....		1,095		1,095		
	PHYSICAL SECURITY VEHICLES .....						
	TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT .....		84,345		80,322		-4,023
131	SUPPLY SUPPORT EQUIPMENT		16,023		16,023		
133	SUPPLY EQUIPMENT .....		5,115		5,115		
134	FIRST DESTINATION TRANSPORTATION .....		295,471		295,471		
	SPECIAL PURPOSE SUPPLY SYSTEMS .....						
	TOTAL, SUPPLY SUPPORT EQUIPMENT .....		316,609		316,609		



PERSONNEL AND COMMAND SUPPORT EQUIPMENT						
	TRAINING DEVICES					
136	TRAINING AND EDUCATION EQUIPMENT	9,504		9,504		
	COMMAND SUPPORT EQUIPMENT					
137	COMMAND SUPPORT EQUIPMENT	37,180	22,780			
139	MEDICAL SUPPORT EQUIPMENT	4,128	4,128			
141	NAVAL MIP SUPPORT EQUIPMENT	1,925	1,925			
142	OPERATING FORCES SUPPORT EQUIPMENT	4,777	4,777			
143	CAISR EQUIPMENT	9,073	9,073			
144	ENVIRONMENTAL SUPPORT EQUIPMENT	21,107	21,107			
145	PHYSICAL SECURITY EQUIPMENT	100,906	100,906			
146	ENTERPRISE INFORMATION TECHNOLOGY	67,544	67,544			
150	NEXT GENERATION ENTERPRISE SERVICE	98,216	98,216			
	TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT	354,360	339,960			-14,400
151	SPARES AND REPAIR PARTS	199,660	199,660			
	CLASSIFIED PROGRAMS	9,915	9,915			
	TOTAL, OTHER PROCUREMENT, NAVY	6,338,861	6,229,762			-109,099

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
4	Hybrid Electric Drive [HED] .....	40,132	35,933	- 4,199
	Improving funds management: Installation funding ahead of need .....			- 4,199
14	Pollution Control Equipment .....	20,191	19,342	- 849
	Restoring acquisition accountability: Lightering systems cost growth .....			- 849
17	LCS Class Support Equipment .....	54,823	48,053	- 6,770
	Improving funds management: Prior year carryover .....			- 6,770
19	LPD Class Support Equipment .....	40,321	35,455	- 4,866
	Improving funds management: Installation funding ahead of need due to contract delays .....			- 4,866
23	CG Modernization .....		55,800	+ 55,800
	Cruiser modernization: Transfer from SMOSF for budget execution .....			+ 55,800
26	Items Less Than \$5 Million .....	88,719	79,582	- 9,137
	Restoring acquisition accountability: Propellers and shafts cost growth .....			- 849
	Improving funds management: Machinery plant upgrades installation funding ahead of need due to contract delay .....			- 6,135
	Improving funds management: LSD boat davit installation funding ahead of need due to contract delay .....			- 2,153
28	Submarine Life Support System .....	6,043	2,329	- 3,714
	Improving funds management: Prior year carryover .....			- 3,714
32	Standard Boats .....	43,684	55,684	+ 12,000
	Program increase .....			+ 12,000
36	LCS Common Mission Modules Equipment .....	27,840	15,670	- 12,170
	Restoring acquisition accountability: Mission bay training devices—MCM .....			- 12,170
37	LCS MCM Mission Modules .....	57,146	34,546	- 22,600
	Restoring acquisition accountability: Unmanned surface sweep system ahead of need .....			- 11,800
	Restoring acquisition accountability: Knifefish ahead of need .....			- 10,800
38	LCS ASW Mission Modules .....	31,952		- 31,952
	Restoring acquisition accountability: ASW mission module ahead of need .....			- 31,952
39	LCS SUW Mission Modules .....	22,466	21,064	- 1,402
	Restoring acquisition accountability: MK-46 gun weapons system prior year contract savings .....			- 1,402
41	LSD Midlife .....	10,813	56,513	+ 45,700
	LSD modernization: Transfer from SMOSF for budget execution .....			+ 45,700
43	AN/SQQ-89 Surf ASW Combat System .....	90,029	87,824	- 2,205
	Restoring acquisition accountability: FLT I/II upgrade installation funding ahead of need .....			- 2,205
45	SSN Acoustic Equipment .....	248,765	268,765	+ 20,000
	Program increase .....			+ 20,000
53	AN/SLQ-32 .....	274,892	211,912	- 62,980
	Restoring acquisition accountability: Block 2 unit cost growth .....			- 2,640
	Restoring acquisition accountability: Block 3 concurrency .....			- 50,675
	Restoring acquisition accountability: Block 3T excess installation funding .....			- 9,665
60	ATDLS .....	30,105	27,921	- 2,184
	Improving funds management: Installation funding ahead of need .....			- 2,184

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
62	Minesweeping System Replacement .....	56,675	32,198	-24,477
	Restoring acquisition accountability: Knifefish ahead of need .....			-20,487
	Restoring acquisition accountability: Unmanned influence sweep system trainers ahead of need .....			-3,990
82	CANES .....	212,030	185,860	-26,170
	Improving funds management: Installation funding ahead of need .....			-26,170
84	CANES-Intell .....	36,013	31,746	-4,267
	Improving funds management: Installation funding ahead of need .....			-4,267
90	Shipboard Tactical Communications .....	17,366	16,252	-1,114
	Improving funds management: Installation funding ahead of need .....			-1,114
99	Info Systems Security Program [ISSP] .....	85,694	95,694	+10,000
	Program increase .....			+10,000
103	Sonobuoys—All Types .....	162,588	159,541	-3,047
	Restoring acquisition accountability: Excess unit cost growth .....			-3,047
109	Aviation Support Equipment .....	39,099	31,561	-7,538
	Improving funds management: Program delay .....			-7,538
120	Surface Training Equipment .....	97,514	94,979	-2,535
	Restoring acquisition accountability: BFTT upgrade kits installation funding ahead of need .....			-2,535
128	Items Under \$5 Million .....	12,459	8,436	-4,023
	Improving funds management: Prior year carryover .....			-4,023
137	Command Support Equipment .....	37,180	22,780	-14,400
	Improving funds management: CNIC building control system unjustified request .....			-14,400

#### PROCUREMENT, MARINE CORPS

Appropriations, 2016 .....	\$1,186,812,000
Budget estimate, 2017 .....	1,362,769,000
Committee recommendation .....	1,362,769,000

The Committee recommends an appropriation of \$1,362,769,000. This is equal to the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT, MARINE CORPS						
	WEAPONS AND COMBAT VEHICLES						
	TRACKED COMBAT VEHICLES						
1	AAV7A1 PIP .....		73,785		71,785		-2,000
2	LAV PIP .....		53,423		53,423		
	ARTILLERY AND OTHER WEAPONS						
3	EXPEDITIONARY FIRE SUPPORT SYSTEM .....		3,360		3,360		
4	155MM LIGHTWEIGHT TOWED HOWITZER .....		3,318		3,318		
5	HIGH MOBILITY ARTILLERY ROCKET SYSTEM .....		33,725		33,725		
6	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION .....		8,181		8,181		
	OTHER SUPPORT						
7	MODIFICATION KITS .....		15,250		15,250		
8	WEAPONS ENHANCEMENT PROGRAM .....		1,000		1,000		+1,000
	TOTAL, WEAPONS AND COMBAT VEHICLES .....		191,042		190,042		-1,000
	GUIDED MISSILES AND EQUIPMENT						
	GUIDED MISSILES						
9	GROUND BASED AIR DEFENSE .....		9,170		9,170		
10	JAVELIN .....		1,009		1,009		
11	FOLLOW ON TO SMAW .....		24,666		24,666		
12	ANTI-ARMOR WEAPONS SYSTEM-HEAVY (AAMS-H) .....		17,080		17,080		
	OTHER SUPPORT						
	TOTAL, GUIDED MISSILES AND EQUIPMENT .....		51,925		51,925		
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMMAND AND CONTROL SYSTEMS						
15	COMMON AVIATION COMMAND AND CONTROL SYS .....		47,312		53,312		+6,000
	REPAIR AND TEST EQUIPMENT						
16	REPAIR AND TEST EQUIPMENT .....		16,469		16,469		

19	COMMAND AND CONTROL								
20	ITEMS UNDER \$5 MILLION (COMM & ELEC)								
	AIR OPERATIONS C2 SYSTEMS								
	RADAR + EQUIPMENT (NON-TEL)								
21	RADAR SYSTEMS								
22	GROUND/AIR TASK ORIENTED RADAR	3	17,772			17,772			
23	RQ-21 UAS	4	123,758		3	123,758			
			80,217		4	80,217			
	INTELL/COMM EQUIPMENT (NON-TEL)								
24	GGSS-MC		1,089			1,089			
24	FIRE SUPPORT SYSTEM		13,258			13,258			
25	INTELLIGENCE SUPPORT EQUIPMENT		56,379			56,379			
27	RQ-11 UAV		1,976			1,976			
28	DCGS-MC		1,149			1,149			
32	UAS PAYLOADS		2,971			2,971			
	OTHER COMM/ELEC EQUIPMENT (NON-TEL)								
34	NEXT GENERATION ENTERPRISE NETWORK (NGEN)		76,302			76,302			
	OTHER SUPPORT (NON-TEL)								
35	COMMON COMPUTER RESOURCES		41,802			38,802			-3,000
36	COMMAND POST SYSTEMS		90,924			90,924			
37	RADIO SYSTEMS		43,714			43,714			
38	COMM SWITCHING & CONTROL SYSTEMS		66,383			66,383			
39	COMM & ELEC INFRASTRUCTURE SUPPORT		30,229			30,229			
	CLASSIFIED PROGRAMS		2,738			2,738			
	TOTAL COMMUNICATIONS AND ELECTRONICS EQUIPMENT		737,792			740,792			+3,000
	SUPPORT VEHICLES								
	ADMINISTRATIVE VEHICLES								
41	COMMERCIAL CARGO VEHICLES		88,312			86,312			-2,000
	TACTICAL VEHICLES								
43	MOTOR TRANSPORT MODIFICATIONS		13,292			13,292			
45	JOINT LIGHT TACTICAL VEHICLE	192	113,230		192	113,230			
46	FAMILY OF TACTICAL TRAILERS		2,691			2,691			
	OTHER SUPPORT								
	TOTAL SUPPORT VEHICLES		217,525			215,525			-2,000

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	ENGINEER AND OTHER EQUIPMENT						
48	ENGINEER AND OTHER EQUIPMENT						
	ENVIRONMENTAL CONTROL EQUIP ASSORT		18		18		
50	TACTICAL FUEL SYSTEMS		78		78		
51	POWER EQUIPMENT ASSORTED		17,973		17,973		
52	AMPHIBIOUS SUPPORT EQUIPMENT		7,371		7,371		
53	EOD SYSTEMS		14,021		14,021		
	MATERIALS HANDLING EQUIPMENT						
54	PHYSICAL SECURITY EQUIPMENT		31,523		31,523		
	GENERAL PROPERTY						
58	TRAINING DEVICES		33,658		33,658		
60	FAMILY OF CONSTRUCTION EQUIPMENT		21,315		21,315		
61	FAMILY OF INTERNALLY TRANSPORTABLE VEHICLE (ITV)		9,654		9,654		
	OTHER SUPPORT						
62	ITEMS LESS THAN \$5 MILLION		6,026		6,026		
	TOTAL, ENGINEER AND OTHER EQUIPMENT		141,637		141,637		
64	SPARES AND REPAIR PARTS		22,848		22,848		
	TOTAL, PROCUREMENT, MARINE CORPS		1,362,769		1,362,769		

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	AAV7A1 PIP .....	73,785	71,785	- 2,000
	Restoring acquisition accountability: Engineering support growth .....	.....	.....	- 2,000
8	Weapons Enhancement Program .....	.....	1,000	+ 1,000
	Program Increase .....	.....	.....	+ 1,000
15	Common Aviation Command and Control System [CAC2S] .....	47,312	53,312	+ 6,000
	Program Increase .....	.....	.....	+ 6,000
35	Common Computer Resources .....	41,802	38,802	- 3,000
	Improving funds management: Prior year carryover .....	.....	.....	- 3,000
41	Commercial Cargo Vehicles .....	88,312	86,312	- 2,000
	Restoring acquisition accountability: ECP growth .....	.....	.....	- 2,000

AIRCRAFT PROCUREMENT, AIR FORCE

Appropriations, 2016 .....	\$15,756,853,000
Budget estimate, 2017 .....	13,922,917,000
Committee recommendation .....	13,667,822,000

The Committee recommends an appropriation of \$13,667,822,000. This is \$255,095,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
AIRCRAFT PROCUREMENT, AIR FORCE							
COMBAT AIRCRAFT							
TACTICAL FORCES							
1	F-35 .....	43	4,401,894		3,983,894		-418,000
2	F-35 [AP-CY] .....		404,500		504,500		+100,000
	TOTAL, COMBAT AIRCRAFT .....		4,806,394		4,488,394		-318,000
AIRLIFT AIRCRAFT							
OTHER AIRLIFT							
3	KC-46A TANKER .....	15	2,884,591	15	2,884,591		
4	C-130J .....	2	145,655	2	305,655		+160,000
6	HC-130J .....	3	317,576	3	317,576		
7	HC-130J .....		20,000		20,000		
8	MC-130J .....	6	548,358	6	499,358		-49,000
9	MC-130J (AP) .....		50,000		50,000		
	TOTAL, AIRLIFT AIRCRAFT .....		3,966,180		4,077,180		+111,000
OTHER AIRCRAFT							
HELICOPTERS							
10	UH-1H REPLACEMENT .....		18,337		93,337		+75,000
MISSION SUPPORT AIRCRAFT							
12	CIVIL AIR PATROL A/C .....	6	2,637	6	10,400		+7,763
OTHER AIRCRAFT							
13	TARGET DRONES .....	41	114,656	41	114,656		
14	RQ-4 UAV .....		12,966		7,217		-5,749
15	MQ-9 .....		122,522		122,522		
15X	COMPASS CALL .....				103,000		+103,000
	TOTAL, OTHER AIRCRAFT .....		271,118		451,132		+180,014



MODIFICATION OF INSERVICE AIRCRAFT					
16	STRATEGIC AIRCRAFT				
17	B-2A	46,729	46,729		
18	B-1B	116,319	116,319		
19	B-52	109,020	109,020		
20	A-10	1,289	1,289		
21	F-15	105,685	145,405	+ 39,720	
22	F-16	97,331	97,331		
23	F-22A	163,008	127,008	- 36,000	
24	F-35 MODIFICATIONS	175,811	115,811	- 60,000	
25	INCREMENT 3.2b	76,410	70,410	- 6,000	
26	INCREMENT 3.2b [AP-CY]	2,000	2,000		
27	AIRLIFT AIRCRAFT				
28	C-5	24,192	24,192		
29	C-17A	21,555	17,455	- 4,100	
30	C-21	5,439	5,439		
31	C-32A	35,235	30,235	- 5,000	
32	C-37A	5,004	5,004		
33	TRAINER AIRCRAFT				
34	T6	394	394		
35	T-1	12,765	12,765		
36	T-38	25,073	17,073	- 8,000	
37	T-38	45,090	45,090		
38	OTHER AIRCRAFT				
39	U-2 MODS	36,074	25,074	- 11,000	
40	KC-10A (ATCA)	4,570	4,570		
41	C-12	1,995	1,995		
42	VC-25A MOD	102,670	102,670		
43	C-40	13,984	13,984		
44	C-130	9,168	34,168	+ 25,000	
45	C130J MODS	89,424	89,424		
46	C-135	64,161	64,161		
47	COMPASS CALL MODS	130,257	130,257		
48	RC-135	211,438	211,438		
49	E-3	82,786	82,786		
50	E-4	53,348	53,348		
51	E-8	6,244	6,244		
52	AIRBORNE WARNING AND CONTROL SYSTEM	223,427	223,427		

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
51	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	3	4,673	3	4,673		
52	H-1		9,007		9,007		
54	H-60		91,357		91,357		
55	RQ-4 UAV MODS		32,045		32,045		
56	HC/MC-130 MODIFICATIONS		30,767		30,767		
57	OTHER AIRCRAFT		33,886		33,886		
59	MQ-9 MODS		141,929		137,300		-4,629
60	CV-22 MODS		63,395		63,395		
	TOTAL, MODIFICATION OF INSERVICE AIRCRAFT		2,504,954		2,434,945		-70,009
	AIRCRAFT SPARES AND REPAIR PARTS		686,491		686,491		
61	INITIAL SPARES/REPAIR PARTS		686,491		686,491		
	TOTAL, AIRCRAFT SPARES AND REPAIR PARTS		686,491		686,491		
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
	COMMON SUPPORT EQUIPMENT						
62	AIRCRAFT REPLACEMENT SUPPORT EQUIP		121,935		48,935		-73,000
	POST PRODUCTION SUPPORT						
63	B-2A		154		154		
64	B-2A		43,330		39,330		-4,000
65	B-52		28,125		28,125		
66	C-17A		23,559		8,559		-15,000
69	F-15 POST PRODUCTION SUPPORT		2,980		2,980		
70	F-16 POST PRODUCTION SUPPORT		15,155		2,955		-12,200
71	F-22A		48,505		48,505		
74	RQ-4 POST PRODUCTION CHARGES		99		99		
	INDUSTRIAL PREPAREDNESS						
75	INDUSTRIAL PREPAREDNESS		14,126		14,126		
	WAR CONSUMABLES						
76	WAR CONSUMABLES		120,036		120,036		

77	OTHER PRODUCTION CHARGES		1,252,824		1,198,924	- 53,900
	OTHER PRODUCTION CHARGES					
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		1,670,828		1,512,728	- 158,100
	CLASSIFIED PROGRAMS		16,952		16,952	
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE		13,922,917		13,667,822	- 255,095

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	F-35 .....	4,401,894	3,983,894	- 418,000
	Improving funds management: Prior year carryover .....			- 259,000
	Improving funds management: Unit cost growth .....			- 159,000
2	F-35-AP .....	404,500	504,500	+ 100,000
	Program increase: Restore advance procurement for FY 2018 aircraft .....			+ 100,000
4	C-130J .....	145,655	305,655	+ 160,000
	Program increase: Additional 2 aircraft .....			+ 160,000
8	MC-130J .....	548,358	499,358	- 49,000
	Maintain program affordability: Excess due to multiyear savings .....			- 49,000
10	UUH-1N Replacement .....	18,337	93,337	+ 75,000
	Program increase .....			+ 75,000
12	Civil Air Patrol A/C .....	2,637	10,400	+ 7,763
	Program increase .....			+ 7,763
14	RQ-4 .....	12,966	7,217	- 5,749
	Maintain program affordability: Excess other production support .....			- 5,749
15x	Compass Call .....		103,000	+ 103,000
	Program increase .....			+ 103,000
21	F-15 .....	105,685	145,405	+ 39,720
	Restoring acquisition accountability: Cost efficiencies ....			- 5,280
	F-15E AESA radars .....			+ 45,000
23	F-22A .....	163,008	127,008	- 36,000
	Restoring acquisition accountability: RAMMP kits unit cost growth .....			- 36,000
24	F-35 Modifications .....	175,811	115,811	- 60,000
	Improving funds management: Prior year carryover .....			- 60,000
25	Increment 3.2b .....	76,410	70,410	- 6,000
	Maintain program affordability: Program management growth .....			- 6,000
29	C-17A .....	21,555	17,455	- 4,100
	Maintain program affordability: Program management growth .....			- 4,100
31	C-32A .....	35,235	30,235	- 5,000
	Improving funds management: Prior year carryover .....			- 5,000
35	T-1 .....	25,073	17,073	- 8,000
	Restoring acquisition accountability: Contract award delay .....			- 8,000
37	U-2 Mods .....	36,074	25,074	- 11,000
	Restoring acquisition accountability: Unit cost growth ....			- 11,000
42	C-130 .....	9,168	34,168	+ 25,000
	Program increase: C-130H modernization .....			+ 25,000
59	MQ-9 Mods .....	141,929	137,300	- 4,629
	Maintain program affordability: Unjustified request .....			- 24,629
	Program increase: Wide-area sensors .....			+ 20,000
62	Aircraft Replacement Support Equip .....	121,935	48,935	- 73,000
	Maintain program affordability: Unjustified request .....			- 73,000
64	B-2a .....	43,330	39,330	- 4,000
	Maintain program affordability: Unjustified Interim Contractor Support growth .....			- 4,000
66	C-17A .....	23,559	8,559	- 15,000
	Improving funds management: Prior year carryover .....			- 15,000
70	F-16 .....	15,155	2,955	- 12,200
	Maintain program affordability: Excess production line shut down costs .....			- 12,200
77	Other Production Charges .....	1,252,824	1,198,924	- 53,900
	Improving funds management: Prior year carryover for unclassified programs .....			- 34,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Transfer: To Research, Development, Test and Evaluation, Air Force Classified Programs Line #999 .....	.....	.....	- 19,900

*KC-46 Tanker.*—The Committee supports the budget request of \$2,884,591,000 to procure 15 KC-46 Tanker aircraft; however, the Committee is concerned with several aspects of the program.

First, the fiscal year 2017 request was originally planned to be the first year of full rate production with a maximum production quantity of 15 aircraft per year, requiring approval from the Under Secretary of Defense for Acquisition, Technology, and Logistics [AT&L]. Unfortunately, the full rate production decision has been delayed and the fiscal year 2017 aircraft buy was downgraded to a low rate initial buy at the same quantity but without a formal review by AT&L.

Second, the program has only completed roughly 20 percent of development flight test and recently identified a critical issue with the refueling boom. The Air Force is still performing testing to determine if the solution requires software or hardware changes, or both.

Third, the Committee is concerned with the numerous delays in key milestones. Specifically, the approval to begin production (milestone C) has slipped 10–11 months; initial operational test and evaluation has slipped 11 months; and delivery of the first aircraft has slipped 9 months. The current schedule indicates that all of these milestones are now projected to occur near the contractually established delivery dates leaving little schedule margin to meet the required assets availability requirement of August 2018.

The Committee fully funds the fiscal year 2017 budget request to maintain the acquisition strategy, with concerns noted above, and directs Secretary of the Air Force to continue providing quarterly program updates.

*UH-1 Replacement.*—The Committee recognizes the urgent need to replace the current Air Force fleet of UH-1N aircraft supporting the emergency response mission of the intercontinental ballistic missile [ICBM] sites. Therefore, the Committee recommends \$75,000,000 for the Air Force and directs the Air Force to expedite procurement of replacement aircraft in compliance with 10 U.S.C. 2304.

Additionally, the Committee directs the Commander of the United States Strategic Command [USSTRATCOM], not later than 30 days after the date of enactment of this act, to submit a classified report to the congressional defense committees that includes (1) a description of potential threats to the security of ICBM sites as a result of the UH-1N not meeting current mission requirements; (2) a list of helicopter capabilities needed to meet current mission requirements; (3) the minimum number of aircraft needed for emergency response mission; and (4) an assessment of the security risks associated with any shortfalls identified.

Therefore, until the UH-1N aircraft supporting the ICBM sites are replaced, the Committee directs the Secretary of Defense, in coordination with the Secretary of the Air Force, Secretary of the

Army, and the Chairman of the Joint Chiefs of Staff, to mitigate the air support security risks with additional air support. Further, the Committee directs the Secretary of Defense, not later than 180 days after the date of enactment of this act, to submit a report, with certification from the Commander, USSTRATCOM, that the security risk mitigation actions taken do effectively address the shortfalls identified by the report from USSTRATCOM.

*Compass Call.*—In fiscal year 2016, the Air Force requested to retire six Compass Call aircraft. Due to the unique and high demand capability that the Compass Call aircraft provide, the Committee directed the Air Force to maintain the entire fleet. Recently, the Air Force revised the operating requirements of the Compass Call aircraft and submitted a proposal that would begin procurement of new aircraft onto which the current equipment would be re-hosted. Because the Committee supports the Compass Call mission and acknowledges the fact that the current aircraft are expensive to operate and do not meet the revised operating requirements, in fiscal year 2017 the Committee recommends \$103,000,000 and directs the Air Force to expedite procurement of new aircraft in compliance with 10 U.S. Code 2304.

*F-22 Modernization.*—The Committee recognizes the increased operational use of the F-22 Raptor and notes that the Air Force is challenged to balance the operational demands and training needs for this platform. Currently, the Air Force retains 31 F-22 Raptors at Tyndall Air Force for pilot training. The Committee believes that, if the need were to arise, these training aircraft could be used to supplement the combat fleet for operational missions. However, the Committee is concerned that the Air Force is not updating the training fleet with the same capability as the operational fleet. Therefore, the Committee directs the Secretary of the Air Force to provide to the congressional defense committees, not later than 120 days after enactment of this act, an analysis of the cost and schedule required to rapidly modernize the 31 remaining Block 20 training F-22 Raptor aircraft based at Tyndall Air Force Base up to the full Increment 3.2B combat configuration.

*Joint Surveillance Target Attack Radar System [JSTARS].*—The Committee supports the JSTARS recapitalization program, an essential warfighting capability. The Committee expects the Air Force will take no action to prematurely retire E-8C aircraft until the new capability delivers. Accordingly, the Committee directs the Secretary of the Air Force to fund all necessary modifications of the E-8C fleet and maintain all E-8C aircraft in a common configuration to support world-wide missions, avoid the degradation of mission performance, and meet combatant commander requirements.

*National Guard Air Superiority Mission.*—The Committee recognizes the benefit to the U.S. Northern Command combatant commander, responsible for homeland defense, to have access to lethal air superiority aircraft that are able to perform the air superiority mission for extended periods of time, with only limited air refueling assets. The Committee encourages the Air Force to review the benefits and costs of fully equipping Air National Guard F-15C/D aircraft with conformal fuel tanks and additional weapons stations to enhance homeland defense capability.

MISSILE PROCUREMENT, AIR FORCE

Appropriations, 2016 .....	\$2,912,131,000
Budget estimate, 2017 .....	2,426,621,000
Committee recommendation .....	2,408,769,000

The Committee recommends an appropriation of \$2,408,769,000. This is \$17,852,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	MISSILE PROCUREMENT, AIR FORCE						
	BALLISTIC MISSILES						
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC						
1	MISSILE REPLACEMENT EQ—BALLISTIC .....		70,247		70,247		
	OTHER MISSILES						
	TACTICAL						
2	JOINT AIR—SURFACE STANDOFF MISSILE (JASSM) .....	360	431,645	360	431,645		
3	LONG RANGE ANTI—SHIP MISSILE (LRASMO) .....	20	59,511	20	59,511		
4	SIDEWINDER (AIM—9X) .....	287	127,438	287	127,438		
5	AMRAAM .....	256	350,144	256	339,392		
6	PREDATOR HELFIRE MISSILE .....	284	33,955	284	33,955		
7	SMALL DIAMETER BOMB .....	312	92,361	312	92,361		
	INDUSTRIAL FACILITIES						
8	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION .....		977		977		
	TOTAL, OTHER MISSILES .....		1,096,031		1,085,279		-10,752
	MODIFICATION OF INSERVICE MISSILES						
	CLASS IV						
9	ICBM FUZE MOD .....		17,095		17,095		
10	MM III MODIFICATIONS .....		68,692		68,692		
11	AGM—65D MAVERICK .....		282		282		
13	AIR LAUNCH CRUISE MISSILE .....		21,762		21,762		
14	SMALL DIAMETER BOMB .....		15,349		15,349		
	TOTAL, MODIFICATION OF INSERVICE MISSILES .....		123,180		123,180		
	SPARES AND REPAIR PARTS						
15	INITIAL SPARES/REPAIR PARTS .....		81,607		81,607		
	SPECIAL PROGRAMS						
30	SPECIAL UPDATE PROGRAMS .....		46,125		46,125		



999	CLASSIFIED PROGRAMS .....	.....	1,009,431	.....	1,002,331	.....	-7,100
	TOTAL, MISSILE PROCUREMENT, AIR FORCE .....	.....	2,426,621	.....	2,408,769	.....	-17,852

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
5	AMRAAM .....	350,144	339,392	- 10,752
	Restoring acquisition accountability: Unit cost growth .....			- 10,752
999	Classified Programs .....	1,009,431	1,002,331	- 7,100
	Classified adjustment .....			- 7,100

SPACE PROCUREMENT, AIR FORCE

Appropriations, 2016 .....	\$2,812,159,000
Budget estimate, 2017 .....	3,055,743,000
Committee recommendation .....	2,527,743,000

The Committee recommends an appropriation of \$2,527,743,000. This is \$528,000,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	SPACE PROGRAMS						
1	ADVANCED EHF .....		645,569		645,569		
2	AF SATELLITE COMM SYSTEM .....		42,375		42,375		
3	COUNTERSPACE SYSTEMS .....		26,984		26,984		
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS .....	16	88,963	16	88,963		
5	WIDEBAND GAPPILLER SATELLITES .....		86,272		76,272		-10,000
6	GPS III SPACE SEGMENT .....		34,059		34,059		
7	GLOBAL POSITIONING (SPACE) .....		2,169		2,169		
8	SPACEBORNE EQUIP (COMSEC) .....		46,708		46,708		
9	GLOBAL POSITIONING (SPACE) .....		13,171		10,171		-3,000
10	MILSATCOM .....		41,799		41,799		
11	EVOLVED EXPENDABLE LAUNCH VEH INFRASTRUCTURE (SPACE) .....		768,586		568,586		-200,000
12	EVOLVED EXPENDABLE LAUNCH VEH (SPACE) .....	5	737,853	3	442,853		-295,000
13	SBR HIGH (SPACE) .....		362,504		342,504		-20,000
14	NUDET DETECTION SYSTEM SPACE .....		4,395		4,395		
15	SPACE MODS SPACE .....		8,642		8,642		
16	SPACE/LIFT RANGE SYSTEM SPACE .....		123,088		123,088		
	SPARES AND REPAIR PARTS						
17	INITIAL SPARES/REPAIR PARTS .....		22,606		22,606		
	TOTAL, SPACE PROCUREMENT, AIR FORCE .....		3,055,743		2,527,743		-528,000

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
5	Wideband Gapfiller Satellites (Space) .....	86,272	76,272	– 10,000
	Improving funds management: Prior year carryover .....			– 10,000
9	Global Positioning (Space) .....	13,171	10,171	– 3,000
	Maintain program affordability: Unjustified support services and launch and checkout growth .....			– 3,000
11	Evolved Expendable Launch Capability .....	768,586	568,586	– 200,000
	Restoring acquisition accountability: Acquisition Strategy .....			– 200,000
12	Evolved Expendable Launch Veh (Space) .....	737,853	442,853	– 295,000
	Restoring acquisition accountability: Acquisition Strategy .....			– 295,000
13	SBIR (High) Space .....	362,504	342,504	– 20,000
	Improving funds management: Prior year carryover .....			– 20,000

*Evolved Expendable Launch Vehicle.*—The fiscal year 2017 budget requests \$1,506,439,000 for the Evolved Expendable Launch Vehicle [EELV] program: \$737,853,000 for launch services and \$768,586,000 for launch capability. In the Department of Defense Appropriations Act, 2016 (Public Law 114–113), Congress expressed concern with the Air Force’s 2016 budget request that accelerated GPS III launches ahead of the plan laid out in the 2015 budget request. Congress noted concerns that delays in the Operational Control Segment [OCX] ground system that is needed to launch, checkout, and ultimately integrate and operate the GPS III satellites with the legacy GPS architecture will not be ready for many years after the Air Force plans to launch several of the GPS III satellites. Furthermore, the Department of Defense has been unable to provide Congress with a validation of the requirements for accelerating GPS III launches ahead of the 2015 schedule as required in the 2016 Act.

Despite these concerns and additional delays in the OCX system, the 2017 budget request outlines a plan to launch six satellites before 2019, the earliest the Air Force expects to have a Contingency Operations [Cops] solution that would enable operation of the GPS III satellites in the constellation. The Director, Operational Test and Evaluation [DOT&E] noted in a January 2016 memorandum to the Secretary of Defense, however, that the proposed Cops schedule is “grossly optimistic and unrealistic.” Additionally, the Air Force plans to launch another three GPS III satellites before the end of 2021. The Committee sees no justification for launching so many satellites without a system in place to operate them.

The Committee, therefore, recommends a reduction of \$295,000,000 in the EELV program for two GPS III launch services in 2017 which are ahead of need. In addition, the Committee recommends a reduction of \$200,000,000 for EELV launch capability for those launches and two launches in 2016 that will not be awarded due to congressional termination of one launch in the Department of Defense Appropriations Act, 2016 (Public Law 114–113) and an Air Force movement of the other launch award to an earlier fiscal year. Finally, the Committee recommends a rescission of \$157,000,000 for the 2016 EELV launch service which the Air

Force moved to an earlier award date, but for which funding remained in the fiscal year 2016 budget.

PROCUREMENT OF AMMUNITION, AIR FORCE

Appropriations, 2016 .....	\$1,744,993,000
Budget estimate, 2017 .....	1,677,719,000
Committee recommendation .....	1,665,219,000

The Committee recommends an appropriation of \$1,665,219,000. This is \$12,500,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
PROCUREMENT OF AMMUNITION, AIR FORCE							
1	PROCUREMENT OF AMMO, AIR FORCE						
	ROCKETS .....		18,734		18,734		
2	CARTRIDGES .....		220,237		220,237		
BOMBS							
3	PRACTICE BOMBS .....		97,106		97,106		
4	GENERAL PURPOSE BOMBS .....		581,561		581,561		
5	MASSIVE ORDNANCE PENETRATOR (MOP) .....		3,600		3,600		
6	JOINT DIRECT ATTACK MUNITION .....	12,133	303,988	12,133	291,488		- 12,500
FLARE, IR MU-7B							
7	CAD/PAD .....		38,890		38,890		
8	EXPLOSIVE ORDNANCE DISPOSAL [EOD] .....		5,714		5,714		
9	SPARES AND REPAIR PARTS .....		740		740		
10	MODIFICATIONS .....		573		573		
11	ITEMS LESS THAN \$5,000,000 .....		5,156		5,156		
FUZES							
12	FLARES .....		134,709		134,709		
13	FUZES .....		229,252		229,252		
TOTAL, PROCUREMENT OF AMMO, AIR FORCE .....						1,627,760	- 12,500
WEAPONS							
14	SMALL ARMS .....		37,459		37,459		
TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE .....						1,665,219	- 12,500

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
6	Joint Direct Attack Munition .....	303,988	291,488	- 12,500
	Restoring acquisition accountability: Unit cost pricing adjustment .....	.....	.....	- 12,500

OTHER PROCUREMENT, AIR FORCE

Appropriations, 2016 .....	\$18,311,882,000
Budget estimate, 2017 .....	17,438,056,000
Committee recommendation .....	17,503,191,000

The Committee recommends an appropriation of \$17,503,191,000. This is \$65,135,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, AIR FORCE						
	VEHICULAR EQUIPMENT						
	PASSENGER CARRYING VEHICLES						
1	PASSENGER CARRYING VEHICLE .....		14,437		11,437		-3,000
2	CARGO + UTILITY VEHICLES		24,812		16,812		-8,000
3	FAMILY MEDIUM TACTICAL VEHICLE .....		984		1,700		+716
4	CAP VEHICLES .....		11,191		7,191		-4,000
	ITEMS LESS THAN \$5M (CARGO) .....						
5	SPECIAL PURPOSE VEHICLES		5,361		5,361		
6	SECURITY AND TACTICAL VEHICLES .....		4,623		4,623		
	ITEMS LESS THAN \$5M (SPECIAL) .....						
7	FIRE FIGHTING EQUIPMENT		12,451		12,451		
	FIRE FIGHTING/CRASH RESCUE VEHICLES .....						
8	MATERIALS HANDLING EQUIPMENT		18,114		18,114		
	ITEMS LESS THAN \$5,000,000 .....						
9	BASE MAINTENANCE SUPPORT		2,310		2,310		
10	RUNWAY SNOW REMOVAL & CLEANING EQUIP .....		46,868		46,868		
	ITEMS LESS THAN \$5M .....						
	TOTAL, VEHICULAR EQUIPMENT .....		141,151		126,867		-14,284
	ELECTRONICS AND TELECOMMUNICATIONS EQUIP						
12	COMM SECURITY EQUIPMENT(COMSEC)		72,359		84,359		+12,000
	COMSEC EQUIPMENT .....						
	INTELLIGENCE PROGRAMS		6,982		6,982		
14	INTELLIGENCE TRAINING EQUIPMENT .....		30,504		30,504		
15	INTELLIGENCE COMM EQUIP .....						
	ELECTRONICS PROGRAMS		55,803		49,403		-6,400
16	TRAFFIC CONTROL/LANDING .....		2,673		2,673		
17	NATIONAL AIRSPACE SYSTEM .....						



18	BATTLE CONTROL SYSTEM—FIXED	5,677	5,677	5,677	5,677	
19	THEATER AIR CONTROL SYS IMPRO	1,163	1,163	1,163	1,163	
20	WEATHER OBSERVATION FORECAST	21,667	21,667	21,667	21,667	
21	STRATEGIC COMMAND AND CONTROL	39,803	39,803	19,903	19,903	-19,900
22	CHEYENNE MOUNTAIN COMPLEX	24,618	24,618	24,618	24,618	
23	MISSION PLANNING SYSTEMS	15,868	15,868	15,868	15,868	
25	INTEGRATED STRAT PLAN AND ANALY NETWORK (ISPAN)	9,331	9,331	9,331	9,331	
	SPECIAL COMM-ELECTRONICS PROJECTS					
26	GENERAL INFORMATION TECHNOLOGY	41,779	41,779	50,679	50,679	+8,900
27	AF GLOBAL COMMAND & CONTROL SYSTEM	15,729	15,729	15,729	15,729	
28	MOBILITY COMMAND AND CONTROL	9,814	9,814	9,814	9,814	
29	AIR FORCE PHYSICAL SECURITY SYSTEM	99,460	99,460	99,460	99,460	
30	COMBAT TRAINING RANGES	34,850	34,850	34,850	34,850	
31	MINIMUM ESSENTIAL EMERGENCY COMM N	198,925	198,925	198,925	198,925	
32	WIDE AREA SURVEILLANCE (WAS)	6,943	6,943	6,943	6,943	
33	C3 COUNTERMEASURES	19,580	19,580	19,580	19,580	
34	G0SS-AF FOS	1,743	1,743	1,743	1,743	
36	THEATER BATTLE MGT C2 SYS	9,659	9,659	9,659	9,659	
37	AIR AND SPACE OPERATIONS CTR-WPN SYSTEM	15,474	15,474	15,474	15,474	
38	AIR OPERATIONS CENTER [AOC]	30,623	30,623	15,323	15,323	-15,300
	AIR FORCE COMMUNICATIONS					
39	INFORMATION TRANSPORT SYSTEMS	40,043	40,043	40,043	40,043	
40	AFNET	146,897	146,897	131,897	131,897	-15,000
41	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	5,182	5,182	5,182	5,182	
42	USCENTCOM	13,418	13,418	13,418	13,418	
	ORGANIZATION AND BASE					
52	TACTICAL C-E EQUIPMENT	109,836	109,836	106,836	106,836	-3,000
53	RADIO EQUIPMENT	16,266	16,266	16,266	16,266	
54	CGTV/AUDIOVISUAL EQUIPMENT	7,449	7,449	7,449	7,449	
55	BASE COMM INFRASTRUCTURE	109,215	109,215	88,215	88,215	-21,000
	MODIFICATIONS					
56	COMM ELECT MODS	65,700	65,700	65,700	65,700	
	TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP	1,285,033	1,285,033	1,225,333	1,225,333	-59,700
	OTHER BASE MAINTENANCE AND SUPPORT EQUIP					
	PERSONAL SAFETY AND RESCUE EQUIP					
58	ITEMS LESS THAN \$5,000,000 (SAFETY)	54,416	54,416	46,416	46,416	-8,000

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
59	DEPOT PLANT + MATERIALS HANDLING EQ MECHANIZED MATERIAL HANDLING .....	.....	7,344	.....	7,344	.....	.....
61	BASE SUPPORT EQUIPMENT .....	.....	6,852	.....	6,852	.....	.....
63	BASE PROCURED EQUIPMENT .....	.....	8,146	.....	13,146	.....	+5,000
64	MOBILITY EQUIPMENT .....	.....	28,427	.....	28,427	.....	.....
	ITEMS LESS THAN \$5M (BASE SUPPORT) .....	.....		.....		.....	.....
	SPECIAL SUPPORT PROJECTS .....	.....		.....		.....	.....
66	DARP RC135 .....	.....	25,287	.....	25,287	.....	.....
67	DISTRIBUTED GROUND SYSTEMS .....	.....	169,201	.....	169,201	.....	.....
69	SPECIAL UPDATE PROGRAM .....	.....	576,710	.....	576,710	.....	.....
	TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP .....	.....	876,383	.....	873,383	.....	-3,000
	SPARE AND REPAIR PARTS .....	.....		.....		.....	.....
72	SPARES AND REPAIR PARTS .....	.....	15,784	.....	15,784	.....	.....
	CLASSIFIED PROGRAMS .....	.....	15,119,705	.....	15,261,824	.....	+142,119
	TOTAL, OTHER PROCUREMENT, AIR FORCE .....	.....	17,438,056	.....	17,503,191	.....	+65,135

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	Passenger Carrying Vehicles .....	14,437	11,437	- 3,000
	Improving funds management: Unjustified growth .....			- 3,000
2	Medium Tactical Vehicle .....	24,812	16,812	- 8,000
	Improving funds management: Unobligated balances .....			- 8,000
3	Cap Vehicles .....	984	1,700	+ 716
	Program increase: Civil Air Patrol—vehicles .....			+ 716
4	Items Less Than \$5 Million .....	11,191	7,191	- 4,000
	Improving funds management: Unjustified growth .....			- 4,000
12	Comsec Equipment .....	72,359	84,359	+ 12,000
	Program increase: Cybersecurity upgrades .....			+ 12,000
16	Air Traffic Control & Landing Sys .....	55,803	49,403	- 6,400
	Restoring acquisition accountability: Schedule slips (RAPCON) .....			- 6,400
21	Strategic Command And Control .....	39,803	19,903	- 19,900
	Improving funds management: Unobligated balances .....			- 19,900
26	General Information Technology .....	41,779	50,679	+ 8,900
	Program increase: Cybersecurity training .....			+ 8,900
38	Air Operations Center [AOC] 10.2 .....	30,623	15,323	- 15,300
	Restoring acquisition accountability: Schedule slips .....			- 15,300
40	AFNET .....	146,897	131,897	- 15,000
	Improving funds management: Unobligated balances .....			- 15,000
52	Tactical C-E Equipment .....	109,836	106,836	- 3,000
	Maintain program affordability: Eliminate program growth (TACP-M MCS Non-Recurring) .....			- 3,000
55	Base Comm Infrastructure .....	109,215	88,215	- 21,000
	Improving funds management: Unobligated balances .....			- 21,000
58	Items Less Than \$5 Million .....	54,416	46,416	- 8,000
	Improving funds management: Program delays (LSS) .....			- 8,000
63	Mobility Equipment .....	8,146	13,146	+ 5,000
	Other Base Maintenance and Support Equipment .....			+ 5,000
	Classified Programs .....	15,119,705	15,261,824	+ 142,119
	Classified adjustment .....			+ 142,119

## PROCUREMENT, DEFENSE-WIDE

Appropriations, 2016 .....	\$5,245,443,000
Budget estimate, 2017 .....	4,524,918,000
Committee recommendation .....	4,921,274,000

The Committee recommends an appropriation of \$4,921,274,000. This is \$396,356,000 above the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	MAJOR EQUIPMENT						
	PROCUREMENT, DEFENSE-WIDE						
	MAJOR EQUIPMENT, DCAA						
1	MAJOR EQUIPMENT ITEMS LESS THAN \$5M		2,964		2,964		
2	MAJOR EQUIPMENT, DCMA						
	MAJOR EQUIPMENT		92				-92
3	MAJOR EQUIPMENT, DHRA						
	PERSONNEL ADMINISTRATION		14,232		14,232		
	MAJOR EQUIPMENT, DISA						
6	INFORMATION SYSTEMS SECURITY		21,347		21,347		
7	TELEPORT PROGRAM		50,597		50,597		
8	ITEMS LESS THAN \$5M		10,420		10,420		
9	NET CENTRIC ENTERPRISE SERVICES (NCES)		1,634		1,634		
10	DEFENSE INFORMATION SYSTEMS NETWORK		87,235		87,235		
11	CYBER SECURITY INITIATIVE		4,528		4,528		
12	WHITE HOUSE COMMUNICATION AGENCY		36,846		36,846		
13	SENIOR LEADERSHIP ENTERPRISE		599,391		599,391		
15	JOINT REGIONAL SECURITY STACKS		150,221		150,221		
	MAJOR EQUIPMENT, DLA						
17	MAJOR EQUIPMENT		2,055		2,055		
	MAJOR EQUIPMENT, DDMAC						
18	A—WEAPON SYSTEM COST	4	8,060	4	8,060		
	MAJOR EQUIPMENT, DODEA						
19	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS		288		288		
	MAJOR EQUIPMENT, DSS						
20	MAJOR EQUIPMENT		1,057		1,057		
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY						
21	VEHICLES		200		200		
22	OTHER MAJOR EQUIPMENT		6,437		6,437		

23	MAJOR EQUIPMENT, MDA								
24	THAAD SYSTEM	24	369,608	24	419,608	24	419,608	24	+ 50,000
25	AEGIS BMD	35	463,801	35	513,801	35	513,801	35	+ 50,000
26	BMDs AN/TPY-2 RADARS		5,503		5,503		5,503		
27	ARROW WEAPON SYSTEM CO-PRODUCTION				120,000		120,000		+ 120,000
28	DAVID'S SLING WEAPON SYSTEM CO-PRODUCTION				150,000		150,000		+ 150,000
29	AEGIS ASHORE PHASE III		57,493		57,493		57,493		
30	IRON DOME SYSTEM CO-PRODUCTION		42,000		62,000		62,000		+ 20,000
31	AEGIS BMD HARDWARE AND SOFTWARE		50,098		50,098		50,098		
32	REDESIGNED KILL VEHICLE-AP				50,000		50,000		+ 50,000
33	MAJOR EQUIPMENT, NSA								
34	INFORMATION SYSTEMS SECURITY PROGRAM [ISSP]		4,399		4,399		4,399		
35	MAJOR EQUIPMENT, OSD								
36	MAJOR EQUIPMENT, OSD	39	29,211	39	29,211		29,211		
37	MAJOR EQUIPMENT, TJS								
38	MAJOR EQUIPMENT, TJS		7,988		7,988		7,988		
39	MAJOR EQUIPMENT, WHS								
40	MAJOR EQUIPMENT, WHS		24,979		24,979		24,979		
41	TOTAL, MAJOR EQUIPMENT		2,052,684		2,492,592		2,492,592		+ 439,908
42	SPECIAL OPERATIONS COMMAND								
43	AVIATION PROGRAMS								
44	SOF ROTARY WING UPGRADES AND SUSTAINMENT		150,396		150,396		150,396		
45	UNMANNED ISR		21,190		21,190		21,190		
46	NON-STANDARD AVIATION		4,905		4,905		4,905		
47	SOF U-28		3,970		3,970		3,970		
48	MH-47 CHINOOK		25,022		25,022		25,022		
49	CV-22 SOF MODIFICATION		19,008		19,008		19,008		
50	MQ-9 UNMANNED AERIAL VEHICLE		10,598		10,598		10,598		
51	PRECISION STRIKE PACKAGE		213,122		200,072		200,072		- 13,050
52	AC/MC-130J		73,548		76,598		76,598		+ 3,050
53	C-130 MODIFICATIONS		32,970		32,970		32,970		
54	SHIPBUILDING								
55	UNDERWATER SYSTEMS		37,098		37,098		37,098		
56	AMMUNITION PROGRAMS								
57	SOF ORDNANCE ITEMS UNDER \$5,000,000		105,267		105,267		105,267		

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT PROGRAMS						
58	SOF INTELLIGENCE SYSTEMS	79,963	79,963		79,963		
59	DCGS-SOF	13,432	13,432		13,432		
60	OTHER ITEMS UNDER \$5,000,000	66,436	66,436		66,436		
61	SOF COMBATANT CRAFT SYSTEMS	55,820	55,820		55,820		
62	SPECIAL PROGRAMS	107,432	107,432		107,432		
63	TACTICAL VEHICLES	67,849	67,849		67,849		
64	WARRIOR SYSTEMS UNDER \$5,000,000	245,781	245,781		245,781		
65	COMBAT MISSION REQUIREMENTS	19,566	19,566		19,566		
66	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES	3,437	3,437		3,437		
67	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE	17,299	17,299		17,299		
69	SOF OPERATIONAL ENHANCEMENTS	219,945	219,945		224,393		+ 4,448
	TOTAL, SPECIAL OPERATIONS COMMAND		1,594,054		1,588,502		- 5,552
	CHEMICAL/BIOLOGICAL DEFENSE						
70	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS		148,203		148,203		
71	CB PROTECTION AND HAZARD MITIGATION		161,113		161,113		
	TOTAL, CHEMICAL/BIOLOGICAL DEFENSE		309,316		309,316		
	CLASSIFIED PROGRAMS		568,864		530,864		- 38,000
	TOTAL, PROCUREMENT, DEFENSE-WIDE		4,524,918		4,921,274		+ 396,356

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
2	Major Equipment .....	92	.....	- 92
	Budget documentation disparity: Ahead of need .....		.....	- 92
23	THAAD .....	369,608	419,608	+ 50,000
	Program increase: Obsolescence upgrades .....		.....	+ 50,000
24	Aegis BMD .....	463,801	513,801	+ 50,000
	Program increase: Obsolescence upgrades .....		.....	+ 50,000
26	Arrow Upper Tier .....		120,000	+ 120,000
	Increase for Arrow 3 co-production upper tier interceptor program .....		.....	+ 120,000
27	David's Sling .....		150,000	+ 150,000
	Increase for David Sling's co-production program .....		.....	+ 150,000
29	Iron Dome .....	42,000	62,000	+ 20,000
	Increase for Iron Dome co-production .....		.....	+ 20,000
XX	Redesigned Kill Vehicle—AP .....		50,000	+ 50,000
	RKV long lead materials only .....		.....	+ 50,000
	Classified Programs .....	568,864	530,864	- 38,000
	Classified adjustment .....		.....	- 38,000
53	Precision Strike Package .....	213,122	200,072	- 13,050
	Transfer Precision Strike Package: SOCOM requested to PDW Line #54 AC/MC-130J .....		.....	- 13,050
54	AC/MC-130J .....	73,548	76,598	+ 3,050
	Transfer Precision Strike Package: SOCOM requested from PDW Line #53 Precision Strike Package .....		.....	+ 13,050
	Improving funds management: Program delays (MC-130J) .....		.....	- 10,000
64	Warrior Systems <\$5M .....	245,781	245,781	.....
	Improving funds management: Level funding profile (SCAMPI) .....		.....	- 4,000
	Program increase: Weapons accessories .....		.....	+ 4,000
69	Operational Enhancements .....	219,945	224,393	4,448
	Classified adjustment .....		.....	- 552
	Program increase: Rotary-wing ammo .....		.....	+ 5,000

## DEFENSE PRODUCTION ACT PURCHASES

Appropriations, 2016 .....	\$76,680,000
Budget estimate, 2017 .....	44,065,000
Committee recommendation .....	64,065,000

The Committee recommends an appropriation of \$64,065,000. This is \$20,000,000 above the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
1	DEFENSE PRODUCTION ACT PURCHASES		44,065		64,065		+ 20,000



*Additional Funding.*—The Committee recognizes the critical role that the Defense Production Act [DPA] title III program serves in strengthening the U.S. defense industrial base and believes that this work is in the national interest. Therefore, the Committee increases funding for DPA by \$20,000,000 over the budget request. The Committee directs that the additional funding be competitively awarded to new initiatives and priority consideration should be given to completion of DPA projects initiated in prior years. Furthermore, the Committee directs the Under Secretary of Defense (Acquisition, Technology, and Logistics) to notify the congressional defense committees 30 days prior to any obligation or expenditure of these funds.

TITLE IV

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

Funds appropriated under this title provide the resources required to conduct a program of research, development, test and evaluation, including research in basic science, applied research, advanced technology development, demonstration and validation, engineering and manufacturing development, and operational systems development.

The President's fiscal year 2017 budget requests a total of \$71,391,771,000 for research, development, test and evaluation appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends research, development, test and evaluation appropriations totaling \$70,800,794,000 for fiscal year 2017. This is \$590,977,000 below the budget estimate.

Committee recommended research, development, test and evaluation appropriations for fiscal year 2017 are summarized below:

SUMMARY OF RESEARCH, DEVELOPMENT, TEST AND EVALUATION APPROPRIATIONS

[In thousands of dollars]

Account	2017 budget estimate	Committee recommendation	Change from budget estimate
Research, Development, Test and Evaluation:			
Research, Development, Test and Evaluation, Army .....	7,515,399	7,767,010	+ 251,611
Research, Development, Test and Evaluation, Navy .....	17,276,301	16,877,818	- 398,483
Research, Development, Test and Evaluation, Air Force .....	28,112,251	27,490,944	- 621,307
Research, Development, Test and Evaluation, Defense-Wide .....	18,308,826	18,478,028	+ 169,202
Operational Test and Evaluation, Defense .....	178,994	186,994	+ 8,000
Total .....	71,391,771	70,800,794	- 590,977

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Secretary of Defense is directed to continue to follow the reprogramming guidance as specified in the report accompanying the House version of the Department of Defense appropriations bill for fiscal year 2008 (House Report 110-279). Specifically, the dollar threshold for reprogramming funds will remain at \$20,000,000 for procurement and \$10,000,000 for research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for service and defense-wide accounts in titles III and IV of this act. Reports for titles III and IV shall comply with guidance specified in the explanatory statement accompanying the Department of Defense Appropria-

tions Act for Fiscal Year 2006. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation line, whichever is less. These thresholds are cumulative from the base for reprogramming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of a procurement (P-1), or a research, development, test and evaluation (R-1) line exceeds the identified threshold, the Secretary of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this report.

#### RESEARCH, DEVELOPMENT, TEST AND EVALUATION OVERVIEW

*Use of Research, Development, Test and Evaluation funds to procure end-items.*—As in previous years, the Committee retains a general provision, section 8057, prohibiting the use of funds appropriated in title IV of this act to procure end-items for delivery to military forces for operational training, operational use or inventory requirements with the exception of end-items used in development, prototyping, and test activities preceding and leading to acceptance for operational use. The Committee notes a marked increase in the use of title IV funds under these exceptions and directs the Under Secretary of Defense (Acquisition, Technology, Logistics), in conjunction with the Assistant Secretary of the Army (Acquisition, Logistics and Technology), the Assistant Secretary of the Navy (Research, Development and Acquisition), the Deputy Commandant (Combat Development and Integration), the Assistant Secretary of the Air Force (Acquisition), and the Acquisition Executive, Special Operations Command, to provide no later than submission of the fiscal year 2018 President's budget request a report to the congressional defense committees detailing by fiscal year for each military service, all prototypes or other end-items funded with title IV funds planned for operational use. The report shall cover each of the previous three fiscal years and each fiscal year in the Fiscal Year 2018 Future Years Defense Program.

*Basic Research.*—The fiscal year 2017 budget request includes \$2,101,832,000 for basic research in Research, Development, Test and Evaluation for the Army, Navy, Air Force and Department of Defense. This amount is \$207,364,000 below the amount appropriated in the Department of Defense Appropriations Act, 2016 (Public Law 114–113). The Committee believes that further investment in basic research must continue and is concerned with the minor increases being made in basic research. The Army, Air Force and the Department of Defense made only modest increases in basic research in fiscal year 2017 compared with the fiscal year 2016 request. Most alarming was the Navy's reduction in basic research funding which decreased by \$43,958,000 in fiscal year 2017 compared with the fiscal year 2016 request.

Basic research is the foundation of innovative breakthroughs that are critical to maintaining the Nation's future technological edge. Investments in basic research not only provide advances in technology for our military men and women but also provide an im-

portant incubator for national labs and academic research institutions. These investments also encourage partnerships and collaboration with industry. In order to keep pace with the global challenges to come, the Committee believes that additional funding should be allocated to Federal research. Therefore, the Committee recommends \$2,264,832,000 for basic research, an increase of \$163,000,000 over the fiscal year 2017 budget request.

*Alternative Energy Research.*—The Committee continues to support the fiscal and operational value of investing in alternative energy research. The Committee recommends an additional \$55,000,000 for Army, Navy and Air Force research and development to continue research of promising alternative energy technologies, such as renewable energies, alternative fuels, and energy efficiencies. The Committee encourages the services to focus on the ability of platforms, installations, and personnel to operate with diverse mix of fuels.

*Department of Defense Laboratory Alternative Governance Assessment Pilot Program.*—The Committee encourages the Assistant Secretary of Defense for Research, Development and Engineering to conduct a study evaluating alternative governance models for Department of Defense laboratories. This review should build upon previous work and may result in a pilot program that permits the laboratories selected to implement new management approaches and governance methods that improve autonomy, decision-making and technology transfer opportunities.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Appropriations, 2016 .....	\$7,565,327,000
Budget estimate, 2017 .....	7,515,399,000
Committee recommendation .....	7,767,010,000

The Committee recommends an appropriation of \$7,767,010,000. This is \$251,611,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY				
BASIC RESEARCH				
1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH .....	12,381	12,381	.....
2	DEFENSE RESEARCH SCIENCES .....	253,116	293,116	+ 40,000
3	UNIVERSITY RESEARCH INITIATIVES .....	69,166	69,166	.....
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS .....	94,280	107,280	+ 13,000
TOTAL, BASIC RESEARCH .....		428,943	481,943	+ 53,000
APPLIED RESEARCH				
5	MATERIALS TECHNOLOGY .....	31,533	62,533	+ 31,000
6	SENSORS AND ELECTRONIC SURVIVABILITY .....	36,109	46,109	+ 10,000
7	TRACTOR HIP .....	6,995	6,995	.....
8	AVIATION TECHNOLOGY .....	65,914	69,914	+ 4,000
9	ELECTRONIC WARFARE TECHNOLOGY .....	25,466	25,466	.....
10	MISSILE TECHNOLOGY .....	44,313	59,313	+ 15,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
11	ADVANCED WEAPONS TECHNOLOGY .....	28,803	43,803	+ 15,000
12	ADVANCED CONCEPTS AND SIMULATION .....	27,688	30,688	+ 3,000
13	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY .....	67,959	92,959	+ 25,000
14	BALLISTICS TECHNOLOGY .....	85,436	105,436	+ 20,000
15	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY ...	3,923	3,923	.....
16	JOINT SERVICE SMALL ARMS PROGRAM .....	5,545	5,545	.....
17	WEAPONS AND MUNITIONS TECHNOLOGY .....	53,581	83,581	+ 30,000
18	ELECTRONICS AND ELECTRONIC DEVICES .....	56,322	66,322	+ 10,000
19	NIGHT VISION TECHNOLOGY .....	36,079	36,079	.....
20	COUNTERMINE SYSTEMS .....	26,497	30,497	+ 4,000
21	HUMAN FACTORS ENGINEERING TECHNOLOGY .....	23,671	23,671	.....
22	ENVIRONMENTAL QUALITY TECHNOLOGY .....	22,151	30,151	+ 8,000
23	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY .....	37,803	37,803	.....
24	COMPUTER AND SOFTWARE TECHNOLOGY .....	13,811	13,811	.....
25	MILITARY ENGINEERING TECHNOLOGY .....	67,416	82,416	+ 15,000
26	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY .....	26,045	26,045	.....
27	WARFIGHTER TECHNOLOGY .....	37,403	49,103	+ 11,700
28	MEDICAL TECHNOLOGY .....	77,111	77,111	.....
	TOTAL, APPLIED RESEARCH .....	907,574	1,109,274	+ 201,700
	ADVANCED TECHNOLOGY DEVELOPMENT			
29	WARFIGHTER ADVANCED TECHNOLOGY .....	38,831	51,331	+ 12,500
30	MEDICAL ADVANCED TECHNOLOGY .....	68,365	76,365	+ 8,000
31	AVIATION ADVANCED TECHNOLOGY .....	94,280	94,280	.....
32	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY .....	68,714	101,214	+ 32,500
33	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY ...	122,132	152,132	+ 30,000
34	SPACE APPLICATION ADVANCED TECHNOLOGY .....	3,904	3,904	.....
35	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY .....	14,417	14,417	.....
37	TRACTOR HIKE .....	8,074	8,074	.....
38	NEXT GENERATION TRAINING & SIMULATION SYSTEMS .....	18,969	18,969	.....
39	TRACTOR ROSE .....	11,910	11,910	.....
40	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT .....	27,686	35,686	+ 8,000
41	TRACTOR NAIL .....	2,340	2,340	.....
42	TRACTOR EGGS .....	2,470	2,470	.....
43	ELECTRONIC WARFARE TECHNOLOGY .....	27,893	41,893	+ 14,000
44	MISSILE AND ROCKET ADVANCED TECHNOLOGY .....	52,190	82,190	+ 30,000
45	TRACTOR CAGE .....	11,107	11,107	.....
46	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM ...	177,190	222,190	+ 45,000
47	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY ...	17,451	17,451	.....
48	JOINT SERVICE SMALL ARMS PROGRAM .....	5,839	5,839	.....
49	NIGHT VISION ADVANCED TECHNOLOGY .....	44,468	44,468	.....
50	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS .....	11,137	21,137	+ 10,000
51	MILITARY ENGINEERING ADVANCED TECHNOLOGY .....	20,684	55,684	+ 35,000
52	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY .....	44,239	54,239	+ 10,000
53	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY .....	35,775	37,775	+ 2,000
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT .....	930,065	1,167,065	+ 237,000
	DEMONSTRATION & VALIDATION			
54	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION .....	9,433	42,433	+ 33,000
55	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION (SPACE) .....	23,056	23,056	.....
56	LANDMINE WARFARE AND BARRIER—ADV DEV .....	72,117	72,117	.....
57	SMOKE, OBSCURANT AND TARGET DEFEATING SYS—ADV DEV ....	28,244	28,244	.....
58	TANK AND MEDIUM CALIBER AMMUNITION .....	40,096	40,096	.....
59	SOLDIER SUPPORT AND SURVIVABILITY .....	10,506	14,006	+ 3,500
60	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—AD .....	15,730	15,730	.....
61	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT .....	10,321	10,321	.....
62	ENVIRONMENTAL QUALITY TECHNOLOGY .....	7,785	7,785	.....
63	NATO RESEARCH AND DEVELOPMENT .....	2,300	2,300	.....
64	AVIATION—ADV DEV .....	10,014	10,014	.....
65	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV .....	20,834	18,126	- 2,708

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
66	MEDICAL SYSTEMS—ADV DEV .....	33,503	33,503	.....
67	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT .....	31,120	54,120	+ 23,000
68	ANALYSIS OF ALTERNATIVES .....	6,608	6,608	.....
69	LOWER TIER AIR MISSILE DEFENSE (LTAMID) SENSOR .....	35,132	35,132	.....
70	TECHNOLOGY MATURATION INITIATIVES .....	70,047	36,038	– 34,009
71	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT) .....	83,279	83,279	.....
73	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT .....	40,510	3,000	– 37,510
	TOTAL, DEMONSTRATION & VALIDATION .....	550,635	535,908	– 14,727
	ENGINEERING & MANUFACTURING DEVELOPMENT			
74	AIRCRAFT AVIONICS .....	83,248	62,248	– 21,000
75	ELECTRONIC WARFARE DEVELOPMENT .....	34,642	34,642	.....
77	MID-TIER NETWORKING VEHICULAR RADIO .....	12,172	12,172	.....
78	ALL SOURCE ANALYSIS SYSTEM .....	3,958	3,958	.....
79	TRACTOR CAGE .....	12,525	12,525	.....
80	INFANTRY SUPPORT WEAPONS .....	66,943	60,918	– 6,025
82	JAVELIN .....	20,011	20,011	.....
83	FAMILY OF HEAVY TACTICAL VEHICLES .....	11,429	11,429	.....
84	AIR TRAFFIC CONTROL .....	3,421	3,421	.....
85	TACTICAL UNMANNED GROUND VEHICLE .....	39,282	33,532	– 5,750
86	LIGHT TACTICAL WHEELED VEHICLES .....	494	494	.....
87	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV .....	9,678	9,678	.....
88	NIGHT VISION SYSTEMS—SDD .....	84,519	77,944	– 6,575
89	COMBAT FEEDING, CLOTHING, AND EQUIPMENT .....	2,054	2,054	.....
90	NON—SYSTEM TRAINING DEVICES—SDD .....	30,774	29,801	– 973
91	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—SDD .....	53,332	53,332	.....
92	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT .....	17,887	17,887	.....
93	AUTOMATIC TEST EQUIPMENT DEVELOPMENT .....	8,813	8,813	.....
94	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—SDD .....	10,487	10,487	.....
95	COMBINED ARMS TACTICAL TRAINER (CATT) CORE .....	15,068	15,068	.....
96	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION .....	89,716	89,716	.....
97	WEAPONS AND MUNITIONS—SDD .....	80,365	80,365	.....
98	LOGISTICS AND ENGINEER EQUIPMENT—SDD .....	75,098	70,760	– 4,338
99	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—SDD .....	4,245	4,245	.....
100	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT .....	41,124	41,124	.....
101	LANDMINE WARFARE/BARRIER—SDD .....	39,630	33,354	– 6,276
102	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE .....	205,590	195,774	– 9,816
103	RADAR DEVELOPMENT .....	15,983	15,983	.....
104	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEB) .....	6,805	6,805	.....
105	FIREFINDER .....	9,235	6,425	– 2,810
106	SOLDIER SYSTEMS—WARRIOR DEM/VAL .....	12,393	12,393	.....
107	ARTILLERY SYSTEMS .....	1,756	1,756	.....
108	INFORMATION TECHNOLOGY DEVELOPMENT .....	74,236	58,651	– 15,585
109	ARMY INTEGRATED MILITARY HUMAN RESOURCES SYSTEM (A—IMH) .....	155,584	144,584	– 11,000
110	ARMORED MULTI-PURPOSE VEHICLE .....	184,221	184,221	.....
111	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR—C) .....	4,980	4,980	.....
112	JOINT TACTICAL NETWORK CENTER (JTNC) .....	15,041	15,041	.....
113	JOINT TACTICAL NETWORK (JTN) .....	16,014	16,014	.....
114	TRACTOR TIRE .....	27,254	27,254	.....
115	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM—EXPEDITIONARY (GBOSS—E) .....	5,032	5,032	.....
116	TACTICAL SECURITY SYSTEM (TSS) .....	2,904	2,904	.....
117	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	96,977	61,138	– 35,839
118	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD) .....	2,089	2,089	.....
119	DEFENSIVE CYBER TOOL DEVELOPMENT .....	33,836	33,836	.....
120	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER) .....	18,824	14,765	– 4,059
121	CONTRACT WRITING SYSTEM .....	20,663	20,663	.....
122	AIRCRAFT SURVIVABILITY DEVELOPMENT .....	41,133	31,133	– 10,000
123	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1 .....	83,995	83,995	.....
125	AMF JOINT TACTICAL RADIO SYSTEM .....	5,028	5,028	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
126	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	42,972	42,972	.....
128	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD) .....	252,811	282,811	+ 30,000
131	NATIONAL CAPABILITIES INTEGRATION .....	4,955	4,955	.....
132	JOINT LIGHT TACTICAL VEHICLE ENG AND MANUFACTURING .....	11,530	11,530	.....
133	AVIATION GROUND SUPPORT EQUIPMENT .....	2,142	2,142	.....
134	PALADIN INTEGRATED MANAGEMENT (PIM) .....	41,498	41,498	.....
135	TROJAN—RH12 .....	4,273	4,273	.....
136	ELECTRONIC WARFARE DEVELOPMENT .....	14,425	14,425	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT .....	2,265,094	2,155,048	- 110,046
	RDT&E MANAGEMENT SUPPORT			
137	THREAT SIMULATOR DEVELOPMENT .....	25,675	29,675	+ 4,000
138	TARGET SYSTEMS DEVELOPMENT .....	19,122	19,122	.....
139	MAJOR T&E INVESTMENT .....	84,777	96,777	+ 12,000
140	RAND ARROYO CENTER .....	20,658	20,658	.....
141	ARMY KWAJALEIN ATOLL .....	236,648	227,451	- 9,197
142	CONCEPTS EXPERIMENTATION PROGRAM .....	25,596	25,596	.....
144	ARMY TEST RANGES AND FACILITIES .....	293,748	293,748	.....
145	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS .....	52,404	62,404	+ 10,000
146	SURVIVABILITY/LETHALITY ANALYSIS .....	38,571	38,571	.....
147	AIRCRAFT CERTIFICATION .....	4,665	4,665	.....
148	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES .....	6,925	6,925	.....
149	MATERIEL SYSTEMS ANALYSIS .....	21,677	21,677	.....
150	EXPLOITATION OF FOREIGN ITEMS .....	12,415	12,415	.....
151	SUPPORT OF OPERATIONAL TESTING .....	49,684	49,684	.....
152	ARMY EVALUATION CENTER .....	55,905	55,905	.....
153	ARMY MODELING AND SIMULATION X-CMD COLLABORATION AND INTEG .....	7,959	7,959	.....
154	PROGRAMWIDE ACTIVITIES .....	51,822	51,822	.....
155	TECHNICAL INFORMATION ACTIVITIES .....	33,323	33,323	.....
156	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY .....	40,545	55,545	+ 15,000
157	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT .....	2,130	2,130	.....
158	MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT) .....	49,885	49,885	.....
159	DEFENSE MILITARY DECEPTION INITIATIVE .....	2,000	2,000	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT .....	1,136,134	1,167,937	+ 31,803
	OPERATIONAL SYSTEMS DEVELOPMENT			
161	MLRS PRODUCT IMPROVEMENT PROGRAM .....	9,663	9,663	.....
162	TRACTOR PULL .....	3,960	3,960	.....
163	ANTI-TAMPER TECHNOLOGY SUPPORT .....	3,638	3,638	.....
164	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS .....	14,517	14,517	.....
165	TRACTOR SMOKE .....	4,479	4,479	.....
166	LONG RANGE PRECISION FIRES (LRPF) .....	39,275	37,775	- 1,500
167	APACHE PRODUCT IMPROVEMENT PROGRAM .....	66,441	57,941	- 8,500
168	BLACKHAWK RECAP/MODERNIZATION .....	46,765	46,765	.....
169	CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM .....	91,848	91,848	.....
170	FIXED WING AIRCRAFT .....	796	796	.....
171	IMPROVED TURBINE ENGINE PROGRAM .....	126,105	96,105	- 30,000
172	EMERGING TECHNOLOGIES FROM NIE .....	2,369	2,369	.....
173	LOGISTICS AUTOMATION .....	4,563	1,736	- 2,827
174	FAMILY OF BIOMETRICS .....	12,098	12,098	.....
175	PATRIOT PRODUCT IMPROVEMENT .....	49,482	49,482	.....
176	AEROSTAT JOINT PROJECT OFFICE .....	45,482	.....	- 45,482
178	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM .....	30,455	30,455	.....
179	COMBAT VEHICLE IMPROVEMENT PROGRAMS .....	316,857	282,931	- 33,926
180	MANEUVER CONTROL SYSTEM .....	4,031	4,031	.....
181	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS .....	35,793	27,493	- 8,300
182	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM .....	259	259	.....
183	DIGITIZATION .....	6,483	6,483	.....
184	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM .....	5,122	5,122	.....
185	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS .....	7,491	7,491	.....
186	TRACTOR CARD .....	20,333	20,333	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
188	MATERIALS HANDLING EQUIPMENT .....	124	124	.....
190	LOWER TIER AIR AND MISSILE DEFENSE [AMD] SYSTEM .....	69,417	52,833	- 16,584
191	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM [GMLRS] .....	22,044	22,044	.....
192	JOINT TACTICAL GROUND SYSTEM .....	12,649	12,649	.....
194	SECURITY AND INTELLIGENCE ACTIVITIES .....	11,619	11,619	.....
195	INFORMATION SYSTEMS SECURITY PROGRAM .....	38,280	38,280	.....
196	GLOBAL COMBAT SUPPORT SYSTEM .....	27,223	27,223	.....
197	SATCOM GROUND ENVIRONMENT (SPACE) .....	18,815	18,815	.....
198	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM .....	4,718	4,718	.....
202	TACTICAL UNMANNED AERIAL VEHICLES .....	8,218	8,218	.....
203	AIRBORNE RECONNAISSANCE SYSTEMS .....	11,799	11,799	.....
204	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	32,284	32,284	.....
205	MQ-1 SKY WARRIOR A UAV (MQ-1C GRAY EAGLE UAS) .....	13,470	13,470	.....
206	RQ-11 UAV .....	1,613	1,613	.....
207	RQ-7 UAV .....	4,597	4,597	.....
209	WIN-T INCREMENT 2—INITIAL NETWORKING .....	4,867	4,867	.....
210	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES .....	62,287	62,287	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT .....	1,292,329	1,145,210	- 147,119
9999	CLASSIFIED PROGRAMS .....	4,625	4,625	.....
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	7,515,399	7,767,010	+ 251,611

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
2	Defense Research Sciences .....	253,116	293,116	+ 40,000
	Authorization adjustment: Basic research program increase .....	.....	.....	+ 40,000
4	University and Industry Research Centers .....	94,280	107,280	+ 13,000
	Basic research program increase .....	.....	.....	+ 13,000
5	Materials Technology .....	31,533	62,533	+ 31,000
	Program increase .....	.....	.....	+ 31,000
6	Sensors and Electronic Survivability .....	36,109	46,109	+ 10,000
	Program increase .....	.....	.....	+ 10,000
8	Aviation Technology .....	65,914	69,914	+ 4,000
	Program increase .....	.....	.....	+ 4,000
10	Missile Technology .....	44,313	59,313	+ 15,000
	Program increase .....	.....	.....	+ 15,000
11	Advanced Weapons Technology .....	28,803	43,803	+ 15,000
	Program increase .....	.....	.....	+ 15,000
12	Advanced Concepts and Simulation .....	27,688	30,688	+ 3,000
	Program increase .....	.....	.....	+ 3,000
13	Combat Vehicle and Automotive Technology .....	67,959	92,959	+ 25,000
	Program increase .....	.....	.....	+ 10,000
	Program increase: Alternative energy research .....	.....	.....	+ 15,000
14	Ballistics Technology .....	85,436	105,436	+ 20,000
	Program increase .....	.....	.....	+ 20,000
17	Weapons and Munitions Technology .....	53,581	83,581	+ 30,000
	Program increase .....	.....	.....	+ 30,000
18	Electronics and Electronic Devices .....	56,322	66,322	+ 10,000
	Program increase: Silicon carbide research .....	.....	.....	+ 10,000
20	Countermeasure Systems .....	26,497	30,497	+ 4,000
	Program increase .....	.....	.....	+ 4,000
22	Environmental Quality Technology .....	22,151	30,151	+ 8,000
	Program increase .....	.....	.....	+ 8,000
25	Military Engineering Technology .....	67,416	82,416	+ 15,000



[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Program increase .....			+ 15,000
27	Warfighter Technology .....	37,403	49,103	+ 11,700
	Program increase .....			+ 10,000
	Program increase: Soldier protection .....			+ 1,700
29	Warfighter Advanced Technology .....	38,831	51,331	+ 12,500
	Program increase .....			+ 12,500
30	Medical Advanced Technology .....	68,365	76,365	+ 8,000
	Program increase: Peer-reviewed military burn research program .....			+ 8,000
32	Weapons and Munitions Advanced Technology .....	68,714	101,214	+ 32,500
	Program increase .....			+ 2,500
	Program increase: High energy laser research .....			+ 30,000
33	Combat Vehicle and Automotive Advanced Technology .....	122,132	152,132	+ 30,000
	Program increase .....			+ 30,000
40	Combating Terrorism—Technology Development .....	27,686	35,686	+ 8,000
	Program increase: Force protection radar development .....			+ 8,000
43	Electronic Warfare Technology .....	27,893	41,893	+ 14,000
	Program increase .....			+ 14,000
44	Missile and Rocket Advanced Technology .....	52,190	82,190	+ 30,000
	Program increase .....			+ 30,000
46	High Performance Computing Modernization Program .....	177,190	222,190	+ 45,000
	Program increase .....			+ 45,000
50	Environmental Quality Technology Demonstrations .....	11,137	21,137	+ 10,000
	Program increase .....			+ 10,000
51	Military Engineering Advanced Technology .....	20,684	55,684	+ 35,000
	Program increase .....			+ 30,000
	Program increase: Installation energy efficiency enhancements .....			+ 5,000
52	Advanced Tactical Computer Science and Sensor Technology .....	44,239	54,239	+ 10,000
	Program increase .....			+ 10,000
53	C3 Advanced Technology .....	35,775	37,775	+ 2,000
	Program increase .....			+ 2,000
54	Army Missile Defense Systems Integration .....	9,433	42,433	+ 33,000
	Program increase .....			+ 25,000
	Program increase: High energy laser research .....			+ 8,000
59	Soldier Support and Survivability .....	10,506	14,006	+ 3,500
	Program increase .....			+ 3,500
65	Logistics and Engineer Equipment—Adv Dev .....	20,834	18,126	- 2,708
	Improving funds management: Prior year carryover .....			- 2,708
67	Soldier Systems—Advanced Development .....	31,120	54,120	+ 23,000
	Program increase .....			+ 23,000
70	Technology Maturation Initiatives .....	70,047	36,038	- 34,009
	Improving funds management: Prior year carryover .....			- 9,009
	Restoring acquisition accountability: Ground vehicle prototyping .....			- 25,000
73	Cyberspace Operations Forces and Force Support .....	40,510	3,000	- 37,510
	Restoring acquisition accountability: Lack of validated requirements .....			- 37,510
74	Aircraft Avionics .....	83,248	62,248	- 21,000
	Improving funds management: Excess product development funding due to change in acquisition strategy .....			- 21,000
80	Infantry Support Weapons .....	66,943	60,918	- 6,025
	Program increase .....			+ 3,000
	Restoring acquisition accountability: Modular handgun system delay .....			- 9,025
85	Tactical Unmanned Ground Vehicle [TUGV] .....	39,282	33,532	- 5,750
	Restoring acquisition accountability: EMD contract delay .....			- 5,750
88	Night Vision Systems—Eng Dev .....	84,519	77,944	- 6,575
	Improving funds management: Soldier night vision devices prior year carryover .....			- 6,575

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
90	Non-System Training Devices—Eng Dev .....	30,774	29,801	– 973
	Budget documentation disparity: Soldier fitness program unjustified .....			– 973
98	Logistics and Engineer Equipment—Eng Dev .....	75,098	70,760	– 4,338
	Program increase .....			+ 2,500
	Restoring acquisition accountability: Engine driven generators schedule delay .....			– 6,838
101	Landmine Warfare/Barrier—Eng Dev .....	39,630	33,354	– 6,276
	Restoring acquisition accountability: Mine Neutral/Detection schedule delay .....			– 6,276
102	Army Tactical Command & Control Hardware & Software ..	205,590	195,774	– 9,816
	Restoring acquisition accountability: TNOM funding ahead of acquisition strategy .....			– 9,816
105	Firefinder .....	9,235	6,425	– 2,810
	Improving funds management: Enhanced AN/TPQ 36 carryover .....			– 2,810
108	Information Technology Development .....	74,236	58,651	– 15,585
	Budget documentation disparity: Army human resource system VACE unjustified .....			– 504
	Improving funds management: Prior year execution ..			– 15,081
109	Integrated Personnel and Pay System-Army [IPPS-A] .....	155,584	144,584	– 11,000
	Restoring acquisition accountability: Prior year carryover due to schedule delay .....			– 11,000
117	Common Infrared Countermeasures [CIRCM] .....	96,977	61,138	– 35,839
	Improving funds management: Program of record prior year carryover .....			– 35,839
120	Tactical Network Radio Systems (Low-Tier) .....	18,824	14,765	– 4,059
	Improving funds management: Manpack operational test funding ahead of need .....			– 4,059
122	Aircraft Survivability Development .....	41,133	31,133	– 10,000
	Restoring acquisition accountability: Advanced missile warning system development funding .....			– 10,000
128	Army Integrated Air and Missile Defense [AIAMD] .....	252,811	282,811	+ 30,000
	Program increase .....			+ 15,000
	Program increase: Cybersecurity research .....			+ 15,000
137	Threat Simulator Development .....	25,675	29,675	+ 4,000
	Program increase .....			+ 4,000
139	Major T&E Investment .....	84,777	96,777	+ 12,000
	Program increase: Cyber vulnerabilities research .....			+ 12,000
141	Army Kwajalein Atoll .....	236,648	227,451	– 9,197
	Maintain program affordability: Installation services excess growth .....			– 9,197
145	Army Technical Test Instrumentation and Targets .....	52,404	62,404	+ 10,000
	Program increase .....			+ 10,000
156	Munitions Standardization, Effectiveness and Safety .....	40,545	55,545	+ 15,000
	Program increase .....			+ 15,000
166	Long Range Precision Fires [LRPF] .....	39,275	37,775	– 1,500
	Improving funds management: Prior year carryover ...			– 1,500
167	Apache Product Improvement Program .....	66,441	57,941	– 8,500
	Restoring acquisition accountability: FOT&E II delay			– 6,500
	Improving funds management: Support funding carryover .....			– 1,000
	Improving funds management: Management services excess growth .....			– 1,000
171	Improved Turbine Engine Program .....	126,105	96,105	– 30,000
	Restoring acquisition accountability: PDR contract delay .....			– 30,000
173	Logistics Automation .....	4,563	1,736	– 2,827
	Improving funds management: Prior year carryover ...			– 2,827
176	Aerostat Joint Project—COCOM Exercise .....	45,482		– 45,482
	Program termination .....			– 45,482
179	Combat Vehicle Improvement Programs .....	316,857	282,931	– 33,926
	Restoring acquisition accountability: Abrams program support excess growth .....			– 5,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: Bradley ECP 3 funding ahead of need .....			- 1,026
	Restoring acquisition accountability: Stryker ECP2 funding ahead of need .....			- 27,900
181	Aircraft Modifications/Product Improvement Programs .....	35,793	27,493	- 8,300
	Improving funds management: Modification funding ahead of need .....			- 8,300
190	Lower Tier Air and Missile Defense [AMD] System .....	69,417	52,833	- 16,584
	Improving funds management: Prior year carryover ...			- 16,584

*Improved Turbine Engine Program [ITEP].*—The fiscal year 2017 budget request includes \$126,105,000 for the Improved Turbine Engine Program [ITEP]. The Army's acquisition strategy for ITEP includes contracting with no less than two engine developers through Milestone B to ensure competition in the program. The Committee is fully supportive of this approach and has provided the necessary resources to fully fund this strategy; however, the Committee notes that the Preliminary Design Review contract has been delayed at least 6 months and is now scheduled to be awarded toward the end of fiscal year 2016, which leaves excess funds in the program. Therefore, the Committee recommends a reduction of \$30,000,000 to the fiscal year 2017 budget request to account for this schedule slip but expects the Army to maintain its dual vendor strategy in order to reduce risk, achieve appropriate technology maturity, and set the conditions for ultimate program success.

*Modular Handgun System.*—The Committee understands that the Army is currently considering the acceleration of the Modular Handgun System [MHS] program. As the Army moves forward in testing and source selection, the Committee encourages the Army to evaluate an upgraded configuration of the current handgun in addition to other available off-the-shelf handguns as cost-effective alternatives that may satisfy the requirements of the MHS program.

*Material Development, Characterization, and Computational Modeling.*—The Committee recognizes the importance of evaluating materials and technologies as well as designing and developing methodologies and models to enable enhanced lethality and survivability. Methods such as computational research allow for the development of models that predict the mechanical properties of materials that are used in research and development at the U.S. Army Research Laboratory [ARL]. These models and simulations, which are based on quantum mechanics, statistical mechanics principles, and thermodynamic simulations, and are tested via cold spray synthesis and mechanical testing, provide a cost savings to the Department of Defense by simulating materials prior to testing them to ensure mechanical properties will work together. Additionally, these methodologies allow for the enhanced development of technologies such as lightweight armors, protective structures, kinetic energy active protection, ballistic shock and mine blast protection, helmet technologies to prevent traumatic brain injury, and numerous other uses. The Committee encourages ARL to continue the utilization of computational modeling and simulations research to achieve greater cost savings.

*Optimization of Ammunition Manufacturing.*—The Committee understands that the Army is the single manager for conventional ammunition for the Department of Defense and is responsible for ensuring effective life cycle management of conventional ammunition products. This includes development and optimization of ammunition manufacturing processes as well as development and integration of new materials. The Committee believes that the manufacturing of conventional ammunition could be assisted by automating and optimizing propellant production processes and integrating new materials. These processes and materials may reduce cost, increase ammunition performance and enhance soldier safety; and the Committee encourages the Secretary of the Army to equip the national technical industrial base with new and emerging manufacturing processes and materials in order to achieve these goals.

*Strategic Materials Research.*—The Committee continues to recognize the importance of the Army Research Laboratory [ARL] in expanding research, education and technology development efforts in materials and metals processing science and engineering, aiming to transform the affordability, performance, and environmental sustainability of strategic materials. The Committee further notes that ARL's Open Campus concept benefits the Army, the academic community, and industry through collaboration involving ARL's research staff and facilities, leading to continued technological superiority for the U.S. warfighter. The Committee encourages the Army to consider accelerating expansion of its Open Campus approach to its Materials and Manufacturing Science laboratories to benefit strategic materials research.

*Materials in Extreme Dynamic Environments Program.*—The Committee recognizes the critical role of the Army's Materials in Extreme Dynamic Environments program in strengthening the domestic capability to develop and manufacture essential protection materials and encourages the Army to continue this work, which serves the national interest.

*Robotic Environmental Remediation of Army Ranges.*—The Committee understands that the Army has launched a robotic-centric environmental remediation program aimed at cleaning up decades of unexploded ordnance contamination at U.S. Army ranges with tele-operated heavy equipment. The Committee encourages the Army to increase the fleet of robotic applique kits that remotely control a variety of vehicles leveraging fully modernized vehicle control systems.

*Simulation Training.*—The Committee acknowledges that simulation training is a cost-effective means by which military units can improve tactical decision-making skills and readiness in realistic scenarios otherwise found only in theater combat operations. The Committee encourages the Department to continue expansion of simulation training and seek the appropriate combination of government-owned and operated simulators as well as contractor support in order to maximize efficiency and effectiveness.

*Assessment of Degraded Visual Environment Technology.*—The Committee encourages the Army to ensure that operational testing protocols for products under development to assist flight crews during situations of degraded visual environment are of the highest quality, based on the best scientific knowledge of the complex dy-

namics of dust brownout and standardized, to the maximum extent possible, to fairly evaluate and test all technologies under the extreme conditions required by the Army. This will ensure that all field testing is fair to all competing vendors, increase cost-effectiveness of field testing through the development of realistic and manageable test conditions and ensure that the technology deployed for warfighters has been adequately tested for operational conditions.

*Human Factors Engineering Technology.*—The Committee supports the Department's continued efforts to support research into aspects of human factors engineering that impact the capabilities of soldiers. The Committee notes that the Department plans to fund Continuous Multi-Faceted Soldier Characterization for Adaptive Technologies starting in fiscal year 2017. As part of this effort, the Committee encourages the Department to prioritize development of a biosensor ecosystem capable of continuous monitoring of the soldier, including the measure of hydration, stress, nutrition, body temperature, and other data needed to model soldier performance. This research should also look to enable longitudinal, long-term, real-world measurement of physiological and behavioral patterns.

*Tactical Communications and Protective System [TCAPS] Lite.*—The Committee is aware that the Army has been updating standards for issuing the Tactical Communications and Protective System [TCAPS] Lite to soldiers. This update will ensure the majority of soldiers who do not carry mobile tactical radios will be issued TCAPS Lite which minimizes training and battlefield hearing loss, improves overall situational awareness and increases mission effectiveness, safety, and survivability. Therefore, the Department of the Army is encouraged to complete the update to the standards and ensure TCAPS Lite is promptly issued to soldiers.

*Long-Range Threat Detection.*—The Committee recognizes long-range Deep Ultraviolet Raman Spectroscopy technology provides effective threat detection of explosives and that this technology has been extended to chemical warfare agents, nuclear weapon processing chemicals, narcotics, and hazardous materials. The Army Research Laboratory is commended for developing these multiple application, cost-effective sense systems and is encouraged to continue its research in this area.

*Army Test Ranges and Facilities.*—The Committee supports funds used for delayed maintenance as identified as a high priority by the Army. Test and evaluation is critical to the success of warfighters' weapons and equipment, providing them an unprecedented technological advantage on the battlefield. At the core of this advantage is the ability of the Department of the Army to effectively test and retest its weapons systems and equipment which requires continuing basic maintenance of Army test ranges and facilities.

*Operational Test and Evaluation Support for Yuma Proving Ground.*—The Committee encourages the Army to ensure that test facilities used for operational testing of equipment for use in extreme environments have adequate characterization of key environmental variables (e.g. soil, terrain and vegetation) to support development of the next generation of military equipment. Specific efforts should include extended capabilities for collection, processing,

and creation of environmental information required to increase test efficiency.

*Manufacturing Technologies for Nanoscale to Microscale Materials for Armaments and Munitions.*—The Committee understands that advances in manufacturing using nanoscale and microscale technologies have the potential to increase the performance of essential U.S. Army armament and munitions applications. Technological advancements in the materials, materials processing, and parts fabrication have the potential to reduce acquisition and total ownership costs for the Department of Defense. The Committee notes that Manufacturing Readiness Levels lag behind Technology Readiness Levels for advanced armament technologies and encourages the Army to continue its work in nanoscale and microscale munitions and armaments technologies.

#### RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Appropriations, 2016 .....	\$18,117,677,000
Budget estimate, 2017 .....	17,276,301,000
Committee recommendation .....	16,877,818,000

The Committee recommends an appropriation of \$16,877,818,000. This is \$398,483,000 below the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

(In thousands of dollars)

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY			
	BASIC RESEARCH			
1	UNIVERSITY RESEARCH INITIATIVES .....	101,714	121,714	+ 20,000
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH .....	18,508	18,508	.....
3	DEFENSE RESEARCH SCIENCES .....	422,748	422,748	.....
	TOTAL, BASIC RESEARCH .....	542,970	562,970	+ 20,000
	APPLIED RESEARCH			
4	POWER PROJECTION APPLIED RESEARCH .....	41,371	61,371	+ 20,000
5	FORCE PROTECTION APPLIED RESEARCH .....	158,745	193,745	+ 35,000
6	MARINE CORPS LANDING FORCE TECHNOLOGY .....	51,590	71,590	+ 20,000
7	COMMON PICTURE APPLIED RESEARCH .....	41,185	41,185	.....
8	WARFIGHTER SUSTAINMENT APPLIED RESEARCH .....	45,467	50,467	+ 5,000
9	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH .....	118,941	118,941	.....
10	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH .....	42,618	42,618	.....
11	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH .....	6,327	6,327	.....
12	UNDERSEA WARFARE APPLIED RESEARCH .....	126,313	126,313	.....
13	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV .....	165,103	165,103	.....
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH .....	33,916	33,916	.....
15	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR HEAD-QUARTERS .....	29,575	29,575	.....
	TOTAL, APPLIED RESEARCH .....	861,151	941,151	+ 80,000
	ADVANCED TECHNOLOGY DEVELOPMENT			
16	POWER PROJECTION ADVANCED TECHNOLOGY .....	96,406	96,406	.....
17	FORCE PROTECTION ADVANCED TECHNOLOGY .....	48,438	88,438	+ 40,000
18	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY .....	26,421	26,421	.....
19	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION [ATD] .....	140,416	140,416	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
20	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT .....	13,117	13,117	.....
21	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV .....	249,092	259,092	+ 10,000
22	MANUFACTURING TECHNOLOGY PROGRAM .....	56,712	56,712	.....
23	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY .....	4,789	4,789	.....
24	UNDERSEA WARFARE ADVANCED TECHNOLOGY .....	25,880	25,880	.....
25	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS .....	60,550	60,550	.....
26	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY ..	15,167	15,167	.....
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT .....	736,988	786,988	+ 50,000
	DEMONSTRATION & VALIDATION			
27	AIR/OCEAN TACTICAL APPLICATIONS .....	48,536	48,536	.....
28	AVIATION SURVIVABILITY .....	5,239	15,239	+ 10,000
30	AIRCRAFT SYSTEMS .....	1,519	1,519	.....
31	ASW SYSTEMS DEVELOPMENT .....	7,041	7,041	.....
32	TACTICAL AIRBORNE RECONNAISSANCE .....	3,274	3,274	.....
33	ADVANCED COMBAT SYSTEMS TECHNOLOGY .....	57,034	1,651	- 55,383
34	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES .....	165,775	108,975	- 56,800
35	SURFACE SHIP TORPEDO DEFENSE .....	87,066	87,066	.....
36	CARRIER SYSTEMS DEVELOPMENT .....	7,605	7,605	.....
37	PILOT FISH .....	132,068	132,068	.....
38	RETRACT LARCH .....	14,546	14,546	.....
39	RETRACT JUNIPER .....	115,435	115,435	.....
40	RADIOLOGICAL CONTROL .....	702	702	.....
41	SURFACE ASW .....	1,081	1,081	.....
42	ADVANCED SUBMARINE SYSTEM DEVELOPMENT .....	100,565	121,365	+ 20,800
43	SUBMARINE TACTICAL WARFARE SYSTEMS .....	8,782	8,782	.....
44	SHIP CONCEPT ADVANCED DESIGN .....	14,590	14,590	.....
45	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES .....	15,805	15,805	.....
46	ADVANCED NUCLEAR POWER SYSTEMS .....	453,313	453,313	.....
47	ADVANCED SURFACE MACHINERY SYSTEMS .....	36,655	36,655	.....
48	CHALK EAGLE .....	367,016	367,016	.....
49	LITTORAL COMBAT SHIP [LCS] .....	51,630	51,630	.....
50	COMBAT SYSTEM INTEGRATION .....	23,530	23,530	.....
51	OHIO REPLACEMENT PROGRAM .....	700,811	700,811	.....
52	LITTORAL COMBAT SHIP [LCS] MISSION MODULES .....	160,058	129,187	- 30,871
54	FRIGATE DEVELOPMENT .....	84,900	84,900	.....
55	CONVENTIONAL MUNITIONS .....	8,342	8,342	.....
56	MARINE CORPS ASSAULT VEHICLES .....	158,682	136,682	- 22,000
57	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM .....	1,303	1,303	.....
58	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	46,911	46,911	.....
60	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT .....	4,556	4,556	.....
61	ENVIRONMENTAL PROTECTION .....	20,343	20,343	.....
62	NAVY ENERGY PROGRAM .....	52,479	72,479	+ 20,000
63	FACILITIES IMPROVEMENT .....	5,458	5,458	.....
64	CHALK CORAL .....	245,860	185,860	- 60,000
65	NAVY LOGISTIC PRODUCTIVITY .....	3,089	3,089	.....
66	RETRACT MAPLE .....	323,526	323,526	.....
67	LINK PLUMERIA .....	318,497	284,297	- 34,200
68	RETRACT ELM .....	52,834	52,834	.....
69	LINK EVERGREEN .....	48,116	48,116	.....
70	SPECIAL PROCESSES .....	13,619	13,619	.....
71	NATO RESEARCH AND DEVELOPMENT .....	9,867	9,867	.....
72	LAND ATTACK TECHNOLOGY .....	6,015	18,015	+ 12,000
73	JOINT NONLETHAL WEAPONS TESTING .....	27,904	27,904	.....
74	JOINT PRECISION APPROACH AND LANDING SYSTEMS .....	104,144	102,722	- 1,422
75	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS .....	32,700	32,700	.....
76	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER .....	70,528	70,528	.....
77	REMOTE MINEHUNTING SYSTEM [RMS] .....	3,001	3,001	.....
78	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES .....	34,920	34,920	.....
80	MH-XX .....	1,620	1,620	.....
81	LX (R) .....	6,354	25,354	+ 19,000
82	ADVANCED UNDERSEA PROTOTYPING .....	78,589	4,000	- 74,589
84	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM .....	9,910	4,910	- 5,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
85	SPACE & ELECTRONIC WARFARE [SEW] ARCHITECTURE/ENGINE	23,971	23,971	.....
86	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT ....	252,409	300,971	+ 48,562
87	JOINT LIGHT TACTICAL VEHICLE ENGINEERING/MANUFACTURING	23,197	23,197	.....
88	ASW SYSTEMS DEVELOPMENT—MIP .....	9,110	9,110	.....
89	ELECTRONIC WARFARE DEVELOPMENT—MIP .....	437	437	.....
	TOTAL, DEMONSTRATION & VALIDATION .....	4,662,867	4,452,964	- 209,903
	ENGINEERING & MANUFACTURING DEVELOPMENT			
90	TRAINING SYSTEM AIRCRAFT .....	19,938	19,938	.....
91	OTHER HELO DEVELOPMENT .....	6,268	6,268	.....
92	AV-8B AIRCRAFT—ENG DEV .....	33,664	33,664	.....
93	STANDARDS DEVELOPMENT .....	1,300	1,300	.....
94	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT .....	5,275	5,275	.....
95	AIR/OCEAN EQUIPMENT ENGINEERING .....	3,875	3,875	.....
96	P-3 MODERNIZATION PROGRAM .....	1,909	1,909	.....
97	WARFARE SUPPORT SYSTEM .....	13,237	13,237	.....
98	TACTICAL COMMAND SYSTEM .....	36,323	36,323	.....
99	ADVANCED HAWKEYE .....	363,792	373,792	+ 10,000
100	H-1 UPGRADES .....	27,441	27,441	.....
101	ACOUSTIC SEARCH SENSORS .....	34,525	34,525	.....
102	V-22A .....	174,423	154,245	- 20,178
103	AIR CREW SYSTEMS DEVELOPMENT .....	13,577	7,477	- 6,100
104	EA-18 .....	116,761	116,761	.....
105	ELECTRONIC WARFARE DEVELOPMENT .....	48,766	48,766	.....
106	VH-71A EXECUTIVE HELO DEVELOPMENT .....	338,357	302,852	- 35,505
107	NEXT GENERATION JAMMER [NGJ] .....	577,822	577,822	.....
108	JOINT TACTICAL RADIO SYSTEM—NAVY [JTRS-NAVY] .....	2,365	2,365	.....
109	NEXT GENERATION JAMMER [NGJ] INCREMENT II .....	52,065	18,965	- 33,100
110	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING .....	282,764	282,764	.....
111	LPD-17 CLASS SYSTEMS INTEGRATION .....	580	580	.....
112	SMALL DIAMETER BOMB [SDB] .....	97,622	67,622	- 30,000
113	STANDARD MISSILE IMPROVEMENTS .....	120,561	120,561	.....
114	AIRBORNE MCM .....	45,622	45,622	.....
116	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYSTEMS ENG .....	25,750	25,750	.....
118	ADVANCED ABOVE WATER SENSORS .....	85,868	79,268	- 6,600
119	SSN-688 AND TRIDENT MODERNIZATION .....	117,476	124,476	+ 7,000
120	AIR CONTROL .....	47,404	47,404	.....
121	SHIPBOARD AVIATION SYSTEMS .....	112,158	116,158	+ 4,000
122	COMBAT INFORMATION CENTER CONVERSION .....	6,283	6,283	.....
123	AIR AND MISSILE DEFENSE RADAR [AMDR] SYSTEM .....	144,395	144,395	.....
124	NEW DESIGN SSN .....	113,013	120,013	+ 7,000
125	SUBMARINE TACTICAL WARFARE SYSTEM .....	43,160	43,160	.....
126	SHIP CONTRACT DESIGN/LIVE FIRE T&E .....	65,002	85,002	+ 20,000
127	NAVY TACTICAL COMPUTER RESOURCES .....	3,098	3,098	.....
128	VIRGINIA PAYLOAD MODULE [VPM] .....	97,920	97,920	.....
129	MINE DEVELOPMENT .....	10,490	10,490	.....
130	LIGHTWEIGHT TORPEDO DEVELOPMENT .....	20,178	20,178	.....
131	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	7,369	7,369	.....
132	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS .....	4,995	4,995	.....
133	JOINT STANDOFF WEAPON SYSTEMS .....	412	412	.....
134	SHIP SELF DEFENSE (DETECT & CONTROL) .....	134,619	134,619	.....
135	SHIP SELF DEFENSE (ENGAGE: HARD KILL) .....	114,475	114,475	.....
136	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW) .....	114,211	106,211	- 8,000
137	INTELLIGENCE ENGINEERING .....	11,029	11,029	.....
138	MEDICAL DEVELOPMENT .....	9,220	9,220	.....
139	NAVIGATION/ID SYSTEM .....	42,723	42,723	.....
140	JOINT STRIKE FIGHTER [JSF]—EMD .....	531,426	531,426	.....
141	JOINT STRIKE FIGHTER [JSF] .....	528,716	528,716	.....
142	JSF FOLLOW ON DEVELOPMENT—MARINE CORPS .....	74,227	29,691	- 44,536
143	JSF FOLLOW ON DEVELOPMENT—NAVY .....	63,387	25,355	- 38,032
144	INFORMATION TECHNOLOGY DEVELOPMENT .....	4,856	4,856	.....
145	INFORMATION TECHNOLOGY DEVELOPMENT .....	97,066	97,066	.....



[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
146	ANTI-TAMPER TECHNOLOGY SUPPORT .....	2,500	2,500	.....
147	CH-53K .....	404,810	350,810	- 54,000
148	MISSION PLANNING .....	33,570	33,570	.....
149	COMMON AVIONICS .....	51,599	51,599	.....
150	SHIP TO SHORE CONNECTOR [SSC] .....	11,088	11,088	.....
151	T-AO (X) .....	1,095	1,095	.....
152	CARRIER BASED AERIAL REFUELING SYSTEM [CBARS] .....	89,000	89,000	.....
153	JOINT AIR-TO-GROUND MISSILE [JAGM] .....	17,880	17,880	.....
154	MULTI-MISSION MARITIME AIRCRAFT [MMA] .....	59,126	59,126	.....
155	MULTI-MISSION MARITIME AIRCRAFT [MMA] INCREMENT 3 .....	182,220	112,320	- 69,900
156	DDG-1000 .....	45,642	45,642	.....
159	TACTICAL COMMAND SYSTEM—MIP .....	676	676	.....
160	TACTICAL CRYPTOLOGIC SYSTEMS .....	36,747	36,747	.....
161	SPECIAL APPLICATIONS PROGRAM .....	35,002	35,002	.....
162	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	4,942	4,942	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT .....	6,025,655	5,727,704	- 297,951
	RDT&E MANAGEMENT SUPPORT			
163	THREAT SIMULATOR DEVELOPMENT .....	16,633	16,633	.....
164	TARGET SYSTEMS DEVELOPMENT .....	36,662	36,662	.....
165	MAJOR T&E INVESTMENT .....	42,109	42,109	.....
166	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION .....	2,998	2,998	.....
167	STUDIES AND ANALYSIS SUPPORT—NAVY .....	3,931	3,931	.....
168	CENTER FOR NAVAL ANALYSES .....	46,634	46,634	.....
169	NEXT GENERATION FIGHTER .....	1,200	1,200	.....
171	TECHNICAL INFORMATION SERVICES .....	903	903	.....
172	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT .....	87,077	87,077	.....
173	STRATEGIC TECHNICAL SUPPORT .....	3,597	3,597	.....
174	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT .....	62,811	62,811	.....
175	RDT&E SHIP AND AIRCRAFT SUPPORT .....	106,093	106,093	.....
176	TEST AND EVALUATION SUPPORT .....	349,146	349,146	.....
177	OPERATIONAL TEST AND EVALUATION CAPABILITY .....	18,160	18,160	.....
178	NAVY SPACE AND ELECTRONIC WARFARE [SEW] SUPPORT .....	9,658	9,658	.....
179	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT .....	6,500	6,500	.....
180	MARINE CORPS PROGRAM WIDE SUPPORT .....	22,247	22,247	.....
181	MANAGEMENT HEADQUARTERS—R&D .....	16,254	16,254	.....
182	WARFARE INNOVATION MANAGEMENT .....	21,123	21,123	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT .....	853,736	853,736	.....
	OPERATIONAL SYSTEMS DEVELOPMENT			
188	COOPERATIVE ENGAGEMENT CAPABILITY [CEC] .....	84,501	84,501	.....
189	DEPLOYABLE JOINT COMMAND AND CONTROL .....	2,970	2,970	.....
190	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT .....	136,556	136,556	.....
191	SSBN SECURITY TECHNOLOGY PROGRAM .....	33,845	33,845	.....
192	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT .....	9,329	9,329	.....
193	NAVY STRATEGIC COMMUNICATIONS .....	17,218	17,218	.....
195	F/A-18 SQUADRONS .....	189,125	191,125	+ 2,000
196	FLEET TELECOMMUNICATIONS (TACTICAL) .....	48,225	48,225	.....
197	SURFACE SUPPORT .....	21,156	21,156	.....
198	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER [TMPC] .....	71,355	41,355	- 30,000
199	INTEGRATED SURVEILLANCE SYSTEM .....	58,542	57,058	- 1,484
200	AMPHIBIOUS TACTICAL SUPPORT UNITS .....	13,929	13,929	.....
201	GROUND/AIR TASK ORIENTED RADAR .....	83,538	83,538	.....
202	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT .....	38,593	47,593	+ 9,000
203	CRYPTOLOGIC DIRECT SUPPORT .....	1,122	1,122	.....
204	ELECTRONIC WARFARE [EW] READINESS SUPPORT .....	99,998	99,998	.....
205	HARM IMPROVEMENT .....	48,635	48,635	.....
206	TACTICAL DATA LINKS .....	124,785	124,785	.....
207	SURFACE ASW COMBAT SYSTEM INTEGRATION .....	24,583	24,583	.....
208	MK-48 ADCAP .....	39,134	39,134	.....
209	AVIATION IMPROVEMENTS .....	120,861	120,861	.....
210	OPERATIONAL NUCLEAR POWER SYSTEMS .....	101,786	101,786	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
211	MARINE CORPS COMMUNICATIONS SYSTEMS .....	82,159	100,159	+ 18,000
212	COMMON AVIATION COMMAND AND CONTROL SYSTEM .....	11,850	9,550	- 2,300
213	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS .....	47,877	41,877	- 6,000
214	MARINE CORPS COMBAT SERVICES SUPPORT .....	13,194	13,194	.....
215	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS [MIP] .....	17,171	17,171	.....
216	AMPHIBIOUS ASSAULT VEHICLE .....	38,020	29,020	- 9,000
217	TACTICAL AIM MISSILES .....	56,285	56,285	.....
218	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE [AMRAAM] .....	40,350	40,350	.....
219	GLOBAL COMBAT SUPPORT SYSTEM—MARINE CORPS [GCSS—MC] .....	9,128	9,128	.....
223	SATELLITE COMMUNICATIONS (SPACE) .....	37,372	37,372	.....
224	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES .....	23,541	23,541	.....
225	INFORMATION SYSTEMS SECURITY PROGRAM .....	38,510	38,510	.....
228	JOINT MILITARY INTELLIGENCE PROGRAMS .....	6,019	6,019	.....
229	TACTICAL UNMANNED AERIAL VEHICLES .....	8,436	8,436	.....
230	UAS INTEGRATION AND INTEROPERABILITY .....	36,509	24,909	- 11,600
231	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS ..	2,100	2,100	.....
232	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS ..	44,571	44,571	.....
233	MQ-4C TRITON .....	111,729	111,729	.....
234	MQ-8 UAV .....	26,518	26,518	.....
235	RQ-11 UAV .....	418	418	.....
236	RQ-7 UAV .....	716	716	.....
237	SMALL (LEVEL 0) TACTICAL UAS [STUASLO] .....	5,071	5,071	.....
238	RQ-21A .....	9,497	9,497	.....
239	MULTI-INTELLIGENCE SENSOR DEVELOPMENT .....	77,965	69,765	- 8,200
240	UNMANNED AERIAL SYSTEMS [UAS] PAYLOADS [MIP] .....	11,181	11,181	.....
241	RQ-4 MODERNIZATION .....	181,266	131,266	- 50,000
242	MODELING AND SIMULATION SUPPORT .....	4,709	4,709	.....
243	DEPOT MAINTENANCE (NON-IF) .....	49,322	38,277	- 11,045
245	MARITIME TECHNOLOGY [MARITECH] .....	3,204	3,204	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT .....	2,364,474	2,263,845	- 100,629
9999	CLASSIFIED PROGRAMS .....	1,228,460	1,288,460	+ 60,000
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY .....	17,276,301	16,877,818	- 398,483

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	University Research Initiatives .....	101,714	121,714	+ 20,000
	Basic research program increase .....	.....	.....	+ 20,000
4	Power Projection Applied Research .....	41,371	61,371	+ 20,000
	Program increase .....	.....	.....	+ 20,000
5	Force Protection Applied Research .....	158,745	193,745	+ 35,000
	Program increase .....	.....	.....	+ 15,000
	Program increase: Alternative energy research .....	.....	.....	+ 20,000
6	Marine Corps Landing Force Technology .....	51,590	71,590	+ 20,000
	Program increase .....	.....	.....	+ 20,000
8	Warfighter Sustainment Applied Research .....	45,467	50,467	+ 5,000
	Program increase .....	.....	.....	+ 5,000
17	Force Protection Advanced Technology .....	48,438	88,438	+ 40,000
	Program increase: Autonomous unmanned vehicle re- search .....	.....	.....	+ 40,000
21	Future Naval Capabilities Advanced Technology Development .....	249,092	259,092	+ 10,000
	Program increase .....	.....	.....	+ 10,000
28	Aviation Survivability .....	5,239	15,239	+ 10,000
	Program increase .....	.....	.....	+ 10,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
33	Advanced Combat Systems Technology .....	57,034	1,651	- 55,383
	Restoring acquisition accountability: Project 0385 Rapid Prototype Development .....			- 40,356
	Restoring acquisition accountability: Project 0399 Unmanned Rapid Prototype Development .....			- 15,027
34	Surface and Shallow Water Mine Countermeasures .....	165,775	108,975	- 56,800
	Restoring acquisition accountability: Project 2094 LDUUV continue risk reduction and technology maturation efforts only .....			- 43,000
	Budget documentation disparity: Project 1234 USV w/ AQS-20 one EDM only .....			- 13,800
42	Advanced Submarine System Development .....	100,565	121,365	+ 20,800
	Restoring acquisition accountability: Project 2096 lack of justification .....			- 4,200
	Program increase: Advance materials propeller research .....			+ 25,000
52	LCS Mission Modules .....	160,058	129,187	- 30,871
	Authorization adjustment: Test delays due to mine countermeasures mission package restructure .....			- 30,871
56	Marine Corps Assault Vehicles .....	158,682	136,682	- 22,000
	Improving funds management: Forward financing .....			- 22,000
62	Navy Energy Program .....	52,479	72,479	+ 20,000
	Program increase: Installation energy efficiency enhancements .....			+ 5,000
	Program increase: Renewable energy development .....			+ 15,000
64	CHALK CORAL .....	245,860	185,860	- 60,000
	Program adjustment .....			- 60,000
67	LINK PLUMERIA .....	318,497	284,297	- 34,200
	Program adjustment .....			- 34,200
72	Land Attack Technology .....	6,015	18,015	+ 12,000
	Program increase for fly off competition .....			+ 12,000
74	Joint Precision Approach and Landing Systems—Dem/Val .....	104,144	102,722	- 1,422
	Improving funds management: UCLASS test support early to need .....			- 1,422
81	LX (R) .....	6,354	25,354	+ 19,000
	Additional funding to support acceleration of LX(R) class of ships .....			+ 19,000
82	Advanced Undersea Prototyping .....	78,589	4,000	- 74,589
	Restoring acquisition accountability: Program adjustment—lease multiple COTS vehicles for CONOPS development only .....			- 74,589
84	Precision Strike Weapons Development Program .....	9,910	4,910	- 5,000
	Improving funds management: NGLAW program delay .....			- 5,000
86	Offensive Anti-Surface Warfare Weapon Development .....	252,409	300,971	+ 48,562
	Program increase: Increment I Navy identified funding shortfall .....			+ 50,600
	Improving funds management: Increment II early to need .....			- 2,038
99	Advanced Hawkeye .....	363,792	373,792	+ 10,000
	Program increase: radar development .....			+ 10,000
102	V-22A .....	174,423	154,245	- 20,178
	Restoring acquisition accountability: Navy variant development contract award delays .....			- 11,927
	Restoring acquisition accountability: Aerial Refueling System development contract award delay .....			- 8,251
103	Air Crew Systems Development .....	13,577	7,477	- 6,100
	Restoring acquisition accountability: Enhanced Visual Acuity program delays .....			- 6,100
106	Executive Helo Development .....	338,357	302,852	- 35,505
	Improving funds management: Execution delays .....			- 35,505
109	Next Generation Jammer (NGJ) Increment II .....	52,065	18,965	- 33,100
	Restoring acquisition accountability: Unjustified growth .....			- 33,100
112	Small Diameter Bomb [SDB] .....	97,622	67,622	- 30,000
	Maintain program affordability: Previous congressional direction to reduce risk to H14 + integration schedule .....			- 30,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
113	Standard Missile Improvements .....	120,561	120,561	.....
	Restoring acquisition accountability: Defer Future Capability Demonstration efforts until completion of program of record test events .....	.....	.....	- 14,000
	Restoring acquisition accountability: Fully fund unfunded program of record test events .....	.....	.....	+ 14,000
118	Advanced Above Water Sensors .....	85,868	79,268	- 6,600
	Restoring acquisition accountability: Lack of new start notification .....	.....	.....	- 6,600
119	SSN-688 and Trident Modernization .....	117,476	124,476	+ 7,000
	Program increase .....	.....	.....	+ 7,000
121	Shipboard Aviation Systems .....	112,158	116,158	+ 4,000
	Program increase .....	.....	.....	+ 4,000
124	New Design SSN .....	113,013	120,013	+ 7,000
	Program increase .....	.....	.....	+ 7,000
126	Ship Contract Design/ Live Fire T&E .....	65,002	85,002	+ 20,000
	CVN cost reduction initiatives .....	.....	.....	+ 20,000
136	Ship Self Defense (Engage: Soft Kill/EW) .....	114,211	106,211	- 8,000
	Restoring acquisition accountability: Project 3316 decoy development effort contract award delay .....	.....	.....	- 8,000
142	Joint Strike Fighter Follow On Development—Marine Corps .....	74,227	29,691	- 44,536
	Improving funds management: Follow-on modernization early to need .....	.....	.....	- 44,536
143	Joint Strike Fighter Follow On Development—Navy .....	63,387	25,355	- 38,032
	Improving funds management: Follow-on modernization early to need .....	.....	.....	- 38,032
147	CH-53K RDTE .....	404,810	350,810	- 54,000
	Improving funds management: Execution delays .....	.....	.....	- 54,000
155	Multi-Mission Maritime [MMA] Increment III .....	182,220	112,320	- 69,900
	Restoring acquisition accountability: Engineering change proposals 6 and 7 funding concurrent with Combat Systems Architecture early to need .....	.....	.....	- 69,900
195	F/A-18 Squadrons .....	189,125	191,125	+ 2,000
	Program increase: Noise reduction research .....	.....	.....	+ 2,000
198	Tomahawk and Tomahawk Mission Planning Center (TMPC) .....	71,355	41,355	- 30,000
	Restoring acquisition accountability: Maritime modernization lack of acquisition strategy .....	.....	.....	- 30,000
199	Integrated Surveillance System .....	58,542	57,058	- 1,484
	Restoring acquisition accountability: Theater anti-submarine warfare unjustified growth .....	.....	.....	- 1,484
202	Consolidated Training Systems Development .....	38,593	47,593	+ 9,000
	Program increase: Project 0604 training range enhancements .....	.....	.....	+ 9,000
211	Marine Corps Communications Systems .....	82,159	100,159	+ 18,000
	Program increase .....	.....	.....	+ 6,000
	Program increase: Radar enhancements .....	.....	.....	+ 12,000
212	Common Aviation Command and Control System (CAC2S) .....	11,850	9,550	- 2,300
	Improving funds management: Excess Limited Deployment Units engineering change proposals .....	.....	.....	- 2,300
213	Marine Corps Ground Combat/Supporting Arms Systems .....	47,877	41,877	- 6,000
	Improving funds management: Project 1555 prior year carryover .....	.....	.....	- 6,000
216	Amphibious Assault Vehicle .....	38,020	29,020	- 9,000
	Improving funds management: Forward financing .....	.....	.....	- 9,000
230	UAS Integration and Interoperability .....	36,509	24,909	- 11,600
	Improving funds management: Increment II increase early to need .....	.....	.....	- 11,600
239	Multi-Intelligence Sensor Development .....	77,965	69,765	- 8,200
	Improving funds management: Project 3329 increase early to need .....	.....	.....	- 8,200
241	RQ-4 Modernization .....	181,266	131,266	- 50,000
	Restoring acquisition accountability: Excess concurrency .....	.....	.....	- 50,000
243	Depot Maintenance (Non-IF) .....	49,322	38,277	- 11,045

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
999	Improving funds management: Project 3384 funding early to need .....			- 11,045
	Classified Programs .....	1,228,460	1,288,460	+ 60,000
	Classified adjustment .....			+ 60,000

*Large Diameter Unmanned Undersea Vehicle [LDUUV].*—The fiscal year 2017 President’s budget request includes \$70,100,000 for continued LDUUV technology research, and \$67,607,000 for the development and design of two LDUUVs. The Committee notes that following an Analysis of Alternatives in 2013, the Navy approved a Capabilities Development Document and achieved Milestone A for LDUUV in 2015. In addition, with submission of the fiscal year 2017 President’s budget, the Navy changed its acquisition strategy from competing among multiple industry designs to retaining prototype fabrication of two LDUUVs in-house. The Committee further notes that while the Navy has not yet defined its autonomous undersea vehicle requirements, the Navy has projected an inventory of 12 LDUUVs by 2025.

The Committee recommends full funding of \$70,100,000 requested in science and technology for LDUUV technologies, an increase of \$7,900,000 over amounts enacted in fiscal year 2016. In addition, the Committee recommends \$24,600,000, as requested, for LDUUV experimentation, risk reduction and technology maturation, an increase of \$18,000,000 over amounts enacted in fiscal year 2016. Due to concurrent science and technology, technology maturation, risk reduction and design efforts, as well as concerns with the revised acquisition strategy in light of future LDUUV requirements, the Committee does not recommend funding for prototype design of two LDUUVs, a reduction of \$43,000,000 from the request.

*Extra Large Unmanned Undersea Vehicle [XLUUV].*—The fiscal year 2017 President’s budget request includes \$78,589,000 in fiscal year 2017 for the development and deployment of five XLUUV prototypes and associated technologies. The Committee is aware of an operational need for an advanced maritime mining capability and of multiple material solutions under consideration. The Committee notes the Navy’s apparent intent to sole source acquisition of five XLUUVs while concurrently leasing vehicles from industry to support the development of concept of operations and tactics, training and procedures by the Fleet. The Committee recommends \$4,000,000 for the lease of multiple commercial vehicles for that purpose, as requested. The Committee recommends no funds for additional activities in this program element.

*Offensive Anti-Surface Warfare Weapon [OASuW].*—The fiscal year 2017 President’s budget request includes \$250,371,000 for continued development of OASuW Increment I, and \$2,038,000 to begin development of OASuW Increment II. The Committee notes that this program was initiated through an accelerated acquisition in February 2014 in response to a U.S. Pacific Fleet urgent operational need to provide an early operational capability on the B-1 in fiscal year 2018 and on the F/A-18E/F in fiscal year 2019. The Committee further notes that the Navy recently concluded an up-

dated program cost estimate and that the Navy's fiscal year 2017 budget request places the OASuW Increment I early operational capability fielding schedule at risk by several months. Therefore, the Committee recommends an additional \$50,600,000 for OASuW Increment I, the fiscal year 2017 shortfall identified by the Navy, to maintain the OASuW Increment I schedule, and recommends no funds to initiate OASuW Increment II in order to minimize program risk.

*P-8A Poseidon.*—The fiscal year 2017 President's budget request includes \$182,220,000 for continued development of P-8A Poseidon Increment III. The Committee notes that recent estimates put the cost of P-8A Poseidon Increment III at over \$1,000,000,000 and that after the fiscal year 2017 President's budget request was submitted, the Under Secretary of Defense (Acquisition, Technology and Logistics) approved, at the Navy's request, the incorporation of Increment III capabilities into the P-8A via engineering change proposals [ECPs], instead of developing these capabilities through a separate acquisition program.

The Committee understands that under this revised acquisition strategy the Navy will field Increment III capabilities in a series of four ECPs, based on technical maturity. The Committee recommends \$76,300,000 for the first two ECPs, as requested, but notes that the critical enabler for the remaining two ECPs, the combat systems architecture, is being developed concurrently with these ECPs. The Committee finds this concurrent development approach to be high risk, and recommends \$36,000,000 for combat systems architecture development, as requested, but no funding the last two ECPs of Increment III, a reduction of \$69,900,000 from the request.

*MQ-4C Triton.*—The fiscal year 2017 President's budget request includes \$111,729,000 for continued development of the MQ-4C Triton, an increase of \$106,500,000 over amounts previously projected to be required in fiscal year 2017. In addition, the fiscal year 2017 President's budget request includes \$181,266,000 for modernization of the MQ-4C Triton, an increase of \$51,374,000 over amounts enacted in fiscal year 2016, and \$39,800,000 for development of a multi-intelligence sensor to be incorporated onto MQ-4C Triton during its modernization. The Committee notes the continued program delays for both the baseline and modernization programs, including an extension of baseline System Development and Demonstration efforts and delays to design reviews for the modernization program. In addition, the Committee notes the deferral of certain capabilities from the baseline to the modernization program. Finally, the Committee understands that the Navy is considering a potential restructure of the MQ-4C Triton program. Therefore, the Committee recommends full funding of the baseline capability, but no increase for MQ-4C Triton modernization, a reduction of \$50,000,000 from the request to reduce program concurrency. In addition, the Committee notes that the multi-intelligence sensor development has not been adjusted to reflect delays to Triton modernization, and accordingly recommends an \$8,200,000 reduction to the request.

*Synthetic Biology.*—The Committee recognizes the potential for synthetic biology to enable the manufacture of pharmaceuticals,

fuels, and industrial chemicals using environmentally low impact and cost effective processes. The Committee urges the Department of Defense, through the Office of Naval Research, to support basic research and engineering on the rapid development of cell-free biosynthesis of commercially important molecules, by combining high throughput screening methods, rapid protein production, and computational analysis.

*Materials Research.*—The Committee urges the Office of Naval Research to support research and development that addresses materials homogeneity and integration related to electronic and photonic technologies. The results of fundamental electronic and photonic materials research can be more rapidly translated into military and commercial applications in portable electronics and displays, such as sensors, communications systems, power systems, and enemy monitoring technology.

*Navy Aircraft Fleet Readiness and Sustainment.*—The Committee is aware of the Chief of Naval Operations' 2016 "Design for Maintaining Maritime Superiority," including its focus on strengthening the Navy team, building new partnerships and maintaining global superiority in a changing and challenging environment. The Committee notes that aircraft fleet readiness and sustainment is a critical component of this plan, but is concerned about the significant safety and readiness problems that plague the Navy and Marine Corps F/A-18 fighter jet fleet. The F/A-18 remains operational, yet the Naval Air Systems Command appears to lack a comprehensive plan to address the problems that degrade the aircraft. The Committee recognizes the valuable role university research institutions can offer to the Navy to address these challenges and to rapidly respond to new technology requirements with qualified technologists and engineers, and encourages the Naval Air Systems Command to partner with university laboratories that possess leading-edge capabilities in aviation-related full-scale structures and materials testing and evaluation to address the structural problems related to the F/A-18 fighter jet. The Committee further encourages Naval Air Systems Command to explore establishing a University Affiliated Research Center partnership with an institution possessing demonstrated capabilities in enhanced structures and materials, testing and evaluation that would result in a cost-savings for the Department of Defense.

*Force Protection Applied Research.*—The Committee continues to support Navy efforts in force protection applied research, and recommends an increase of \$15,000,000 for that purpose. The Committee notes that development and deployment of lithium-ion batteries are critical to Department of Defense missions, but that safety incidents restrict their operational use. Therefore, the Committee believes that the development and qualification of technologies to reduce the risk of thermal runaway and improve safety in lithium-ion batteries should be a research priority. In addition, the Committee remains concerned over the potential impact of an electrical grid failure on national security and recommends investments in resilient and reliable power sources and infrastructure to promote energy security and mission effectiveness.

*Navy Alternative and Renewable Energy Research.*—The Committee recommends an increase of \$20,000,000 for Navy alternative

energy research and of \$15,000,000 for Navy renewable energy research. The Committee notes the fiscal and operational value of investing in alternative energy research, and encourages the Navy to: expand ocean renewable energy testing; research development and deployment of maritime security systems; support at-sea surveillance and communications systems; and explore opportunities to reduce the cost of energy and increase energy security at coastal Department of Defense facilities. Further, the Committee encourages the Navy to invest in renewable energy demonstration activities relating to Department of Defense facilities and activities in coordination with other Federal agencies and entities.

*Interdisciplinary Cybersecurity Research.*—The Committee notes the significant investment by the Department of Defense in basic cyber research in recent years. However, the Committee is concerned that this research does not fully consider the interdisciplinary nature of cyber systems and excludes consideration of the role of human behavior. The Committee encourages the Navy to invest in multidisciplinary research in the areas of dynamic cyber defense, tactical cyberspace operations, signals intelligence, and user-in-the-loop testing and evaluation.

*Marine Corps Asset Life Cycle Management.*—The Committee supports the Marine Corps' efforts to substantially reduce costs associated with routine maintenance through further research and development in the areas of remanufacturing and vehicle and behavior monitoring. The Committee encourages the Office of Naval Research to assign adequate resources to continue its efforts in this area.

*Undersea Weapons Energetics Capabilities.*—The Committee recommends continued investment in the development of advanced energetics capabilities focused on undersea weapons, and the development of a database of global energetics materials activities as they apply to undersea warfare.

*Flexible Sea-Based Force Projection.*—Future Naval Capabilities programs include support to sea-based technologies to support operations that normally rely on shore-based infrastructure. Flexible sea based force projection technologies mitigate the impact of operating at sea and enable cargo transfers, surface connector interfaces and amphibious vehicle launch and recovery from a variety of both legacy and emerging platforms in the sea-based environment. These technologies expand operational availability both within the seabase and from seabase to shore that is critical in an A2/AD environment. The Committee recommends continued investment in these areas.

*Naval Power and Energy Systems Technology Development Roadmap.*—The Committee notes the recommendations in the recently updated Naval Power and Energy Systems Technology Development Roadmap for development of advanced power electronics, including silicon carbide power modules, which can reduce the size and weight of power conversion modules and other electronic systems needed to power advanced sensors and weapons systems. The Committee encourages continued investments in cost reduction initiatives and qualification of silicon carbide power modules in order to enable planned deployment of high-power, mission-critical systems on Navy platforms as early as fiscal year 2022.



*Condition-Based Maintenance.*—The Committee is aware of the Navy's continued development and implementation of condition-based maintenance solutions and notes that such efforts can provide demonstrable improvements in fleet readiness. The Committee encourages the Navy to adapt the lessons learned from Littoral Combat Ships combat systems condition-based maintenance efforts to other ship classes, to include weapons systems on DDG-51 Destroyers.

*Jet Noise Reduction Development.*—The Committee understands the difficulties near-field and far-field aircraft engine noise poses for communities surrounding military installations as well as servicemembers who work in close proximity to military aircraft. Hearing loss, in particular, is a mounting concern for servicemembers and veterans who have spent their careers in and around military aviation. The Committee is aware that the Navy has long pursued noise reduction solutions for low bypass military jet engines and is encouraged by the noise reduction potential of variable exhaust nozzle seal chevron technology currently being pursued by the F/A-18 and EA-18G Program Office. The Committee recommends an additional \$2,000,000 for jet noise reduction and urges the Navy to aggressively pursue research of this technology.

*Barking Sands Tactical Underwater Range [BARSTUR].*—The Committee is concerned about the state of readiness and modernization of tactical test ranges that support undersea warfare missions, particularly given the state of evolving global threats in the undersea domain and the advanced age of some of the Navy's tactical underwater ranges. The Committee notes that the Barking Sands Tactical Underwater Range [BARSTUR] is beyond its service life, has degraded capability, and is beyond repair. The Committee further notes that the Commander, Submarine Forces, U.S. Pacific Fleet, has documented concerns that test capabilities in this mission area are not on a path to support future Navy requirements. Therefore, the Secretary of the Navy is directed to submit a complete program execution plan for BARSTUR replacement and modernization to the congressional defense committees, to include full program costs, not later than 60 days after the date of enactment of this act.

*U.S. Marine Corps Unmanned Rotary Aircraft.*—The Committee notes the successful deployment to Afghanistan of unmanned rotary aircraft. The Committee encourages the Marine Corps to continue to leverage this capability to address capability gaps identified into the 2016 Marine Corps Aviation Plan.

*Electronic Maneuver Warfare [EMW].*—The Committee notes the inclusion and expanded definition of electronic maneuver warfare [EMW] concepts in the Chief, Naval Operations' 2016 Design for Maintaining Maritime Superiority. The Committee further notes the game changing capabilities electronic maneuver warfare provides in denied environments, and its contributions to the Third Offset Strategy. The Committee believes that continued investments in EMW are warranted and notes that planning, programming and budgeting for EMW through the regular budget process provides the greatest level of insight and stability into the Navy's future requirements and plan.

## RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Appropriations, 2016 ..... \$25,217,148,000  
 Budget estimate, 2017 ..... 28,112,251,000  
 Committee recommendation ..... 27,490,944,000

The Committee recommends an appropriation of \$27,490,944,000.  
 This is \$621,307,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

(In thousands of dollars)

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE			
	BASIC RESEARCH			
1	DEFENSE RESEARCH SCIENCES .....	340,812	380,812	+ 40,000
2	UNIVERSITY RESEARCH INITIATIVES .....	145,044	145,044	.....
3	HIGH ENERGY LASER RESEARCH INITIATIVES .....	14,168	14,168	.....
	TOTAL, BASIC RESEARCH .....	500,024	540,024	+ 40,000
	APPLIED RESEARCH			
4	MATERIALS .....	126,152	146,152	+ 20,000
5	AEROSPACE VEHICLE TECHNOLOGIES .....	122,831	132,831	+ 10,000
6	HUMAN EFFECTIVENESS APPLIED RESEARCH .....	111,647	111,647	.....
7	AEROSPACE PROPULSION .....	185,671	190,671	+ 5,000
8	AEROSPACE SENSORS .....	155,174	158,674	+ 3,500
9	SPACE TECHNOLOGY .....	117,915	117,915	.....
10	CONVENTIONAL MUNITIONS .....	109,649	109,649	.....
11	DIRECTED ENERGY TECHNOLOGY .....	127,163	127,163	.....
12	DOMINANT INFORMATION SCIENCES AND METHODS .....	161,650	166,650	+ 5,000
13	HIGH ENERGY LASER RESEARCH .....	42,300	42,300	.....
	TOTAL, APPLIED RESEARCH .....	1,260,152	1,303,652	+ 43,500
	ADVANCED TECHNOLOGY DEVELOPMENT			
14	ADVANCED MATERIALS FOR WEAPON SYSTEMS .....	35,137	53,137	+ 18,000
15	SUSTAINMENT SCIENCE AND TECHNOLOGY [S&T] .....	20,636	20,636	.....
16	ADVANCED AEROSPACE SENSORS .....	40,945	40,945	.....
17	AEROSPACE TECHNOLOGY DEV/DEMO .....	130,950	130,950	.....
18	AEROSPACE PROPULSION AND POWER TECHNOLOGY .....	94,594	109,594	+ 15,000
19	ELECTRONIC COMBAT TECHNOLOGY .....	58,250	58,250	.....
20	ADVANCED SPACECRAFT TECHNOLOGY .....	61,593	71,593	+ 10,000
21	MAUI SPACE SURVEILLANCE SYSTEM [MSSS] .....	11,681	11,681	.....
22	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT .....	26,492	26,492	.....
23	CONVENTIONAL WEAPONS TECHNOLOGY .....	102,009	102,009	.....
24	ADVANCED WEAPONS TECHNOLOGY .....	39,064	49,064	+ 10,000
25	MANUFACTURING TECHNOLOGY PROGRAM .....	46,344	52,344	+ 6,000
26	BATTLESPACE KNOWLEDGE DEVELOPMENT & DEMONSTRATION ..	58,110	58,110	.....
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT .....	725,805	784,805	+ 59,000
	ADVANCED COMPONENT DEVELOPMENT			
27	INTELLIGENCE ADVANCED DEVELOPMENT .....	5,598	5,598	.....
28	SPACE CONTROL TECHNOLOGY .....	7,534	7,534	.....
29	COMBAT IDENTIFICATION TECHNOLOGY .....	24,418	24,418	.....
30	NATO RESEARCH AND DEVELOPMENT .....	4,333	4,333	.....
32	SPACE PROTECTION PROGRAM [SPP] .....	32,399	32,399	.....
33	INTERCONTINENTAL BALLISTIC MISSILE .....	108,663	118,663	+ 10,000
34	POLLUTION PREVENTION (DEM/VAL) .....	.....	3,500	+ 3,500
35	LONG RANGE STRIKE .....	1,358,309	1,258,309	- 100,000
36	ADVANCED TECHNOLOGY AND SENSORS .....	34,818	34,818	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
37	TECHNOLOGY TRANSFER .....	3,368	8,368	+ 5,000
38	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM .....	74,308	74,308	.....
39	WEATHER SATELLITE FOLLOW-ON .....	118,953	118,953	.....
40	SPACE SITUATION AWARENESS SYSTEMS .....	9,901	9,901	.....
41	DEPLOYMENT AND DISTRIBUTION ENTERPRISE R&D .....	25,890	25,890	.....
42	OPERATIONALLY RESPONSIVE SPACE .....	7,921	18,421	+ 10,500
43	TECH TRANSITION PROGRAM .....	347,304	379,304	+ 32,000
44	GROUND BASED STRATEGIC DETERRENT .....	113,919	113,919	.....
46	NEXT GENERATION AIR DOMINANCE .....	20,595	20,595	.....
47	THREE DIMENSIONAL LONG-RANGE RADAR .....	49,491	49,491	.....
48	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) .....	278,147	253,147	- 25,000
49	COMMON DATA LINK EXECUTIVE AGENT [CDL EA] .....	42,338	42,338	.....
50	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	158,002	158,002	.....
51	ENABLED CYBER ACTIVITIES .....	15,842	15,842	.....
52	CONTRACTING INFORMATION TECHNOLOGY SYSTEM .....	5,782	5,782	.....
	TOTAL, ADVANCED COMPONENT DEVELOPMENT .....	2,847,833	2,783,833	- 64,000
	ENGINEERING & MANUFACTURING DEVELOPMENT			
54	ELECTRONIC WARFARE DEVELOPMENT .....	12,476	8,476	- 4,000
55	TACTICAL DATA NETWORKS ENTERPRISE .....	82,380	82,380	.....
56	PHYSICAL SECURITY EQUIPMENT .....	8,458	8,458	.....
57	SMALL DIAMETER BOMB [SDB] .....	54,838	46,938	- 7,900
58	COUNTERSPACE SYSTEMS .....	34,394	34,394	.....
59	SPACE SITUATION AWARENESS SYSTEMS .....	23,945	23,945	.....
60	SPACE FENCE .....	168,364	158,364	- 10,000
61	AIRBORNE ELECTRONIC ATTACK .....	9,187	9,187	.....
62	SPACE BASED INFRARED SYSTEM [SBIRS] HIGH EMD .....	181,966	181,966	.....
63	ARMAMENT/ORDNANCE DEVELOPMENT .....	20,312	20,312	.....
64	SUBMUNITIONS .....	2,503	2,503	.....
65	AGILE COMBAT SUPPORT .....	53,680	65,680	+ 12,000
66	JOINT DIRECT ATTACK MUNITION .....	9,901	9,901	.....
67	LIFE SUPPORT SYSTEMS .....	7,520	7,520	.....
68	COMBAT TRAINING RANGES .....	77,409	68,409	- 9,000
69	F-35—EMD .....	450,467	450,467	.....
70	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE) .....	296,572	396,572	+ 100,000
71	LONG RANGE STANDOFF WEAPON .....	95,604	95,604	.....
72	ICBM FUZE MODERNIZATION .....	189,751	189,751	.....
73	JOINT TACTICAL NETWORK CENTER [JTNC] .....	1,131	1,131	.....
74	F-22 MODERNIZATION INCREMENT 3.2B .....	70,290	70,290	.....
75	GROUND ATTACK WEAPONS FUZE DEVELOPMENT .....	937	937	.....
76	NEXT GENERATION AERIAL REFUELING AIRCRAFT KC-46 .....	261,724	261,724	.....
77	ADVANCED PILOT TRAINING .....	12,377	12,377	.....
78	CSAR HH-60 RECAPITALIZATION .....	319,331	273,331	- 46,000
80	ADVANCED EHF MILSATCOM (SPACE) .....	259,131	229,131	- 30,000
81	POLAR MILSATCOM (SPACE) .....	50,815	50,815	.....
82	WIDEBAND GLOBAL SATCOM (SPACE) .....	41,632	31,632	- 10,000
83	AIR AND SPACE OPS CENTER 10.2 .....	28,911	21,911	- 7,000
84	B-2 DEFENSIVE MANAGEMENT SYSTEM .....	315,615	268,215	- 47,400
85	NUCLEAR WEAPONS MODERNIZATION .....	137,909	137,909	.....
86	F-15 EPAWSS .....	256,669	256,669	.....
87	FULL COMBAT MISSION TRAINING .....	12,051	12,051	.....
88	COMBAT SURVIVOR EVADER LOCATOR .....	29,253	29,253	.....
89	NEXTGEN JSTARS .....	128,019	128,019	.....
90	PRESIDENTIAL AIRCRAFT REPLACEMENT .....	351,220	312,220	- 39,000
91	AUTOMATED TEST SYSTEMS .....	19,062	19,062	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT .....	4,075,804	3,977,504	- 98,300
	RDT&E MANAGEMENT SUPPORT			
92	THREAT SIMULATOR DEVELOPMENT .....	21,630	21,630	.....
93	MAJOR T&E INVESTMENT .....	66,385	66,385	.....
94	RAND PROJECT AIR FORCE .....	34,641	34,641	.....
96	INITIAL OPERATIONAL TEST & EVALUATION .....	11,529	11,529	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
97	TEST AND EVALUATION SUPPORT .....	661,417	676,417	+ 15,000
98	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) .....	11,198	11,198	.....
99	SPACE TEST PROGRAM (STP) .....	27,070	42,070	+ 15,000
100	FACILITIES RESTORATION & MODERNIZATION—TEST & EVAL .....	134,111	134,111	.....
101	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT .....	28,091	28,091	.....
102	REQUIREMENTS ANALYSIS AND MATURATION .....	29,100	34,100	+ 5,000
103	SPACE TEST AND TRAINING RANGE DEVELOPMENT .....	18,528	18,528	.....
104	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE .....	176,666	171,666	- 5,000
105	ENTERPRISE INFORMATION SERVICES (EIS) .....	4,410	4,410	.....
106	ACQUISITION AND MANAGEMENT SUPPORT .....	14,613	14,613	.....
107	GENERAL SKILL TRAINING .....	1,404	1,404	.....
109	INTERNATIONAL ACTIVITIES .....	4,784	4,784	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT .....	1,245,577	1,275,577	+ 30,000
	OPERATIONAL SYSTEMS DEVELOPMENT			
110	GPS III—OPERATIONAL CONTROL SEGMENT .....	393,268	163,438	- 229,830
111	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING .....	15,427	18,427	+ 3,000
112	WIDE AREA SURVEILLANCE .....	46,695	46,695	.....
115	AIR FORCE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM .....	10,368	10,368	.....
116	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY .....	31,952	31,952	.....
117	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION .....	42,960	42,960	.....
118	HC/MC-130 RECAP RDT&E .....	13,987	8,987	- 5,000
119	B-52 SQUADRONS .....	78,267	83,267	+ 5,000
120	AIR-LAUNCHED CRUISE MISSILE [ALCM] .....	453	453	.....
121	B-1B SQUADRONS .....	5,830	5,830	.....
122	B-2 SQUADRONS .....	152,458	152,458	.....
123	MINUTEMAN SQUADRONS .....	182,958	182,958	.....
124	STRAT WAR PLANNING SYSTEM—USSTRATCOM .....	39,148	39,148	.....
126	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS .....	6,042	13,042	+ 7,000
128	UH-1N REPLACEMENT PROGRAM .....	14,116	14,116	.....
129	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION .....	10,868	10,868	.....
130	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES .....	8,674	8,674	.....
131	MQ-9 UAV .....	151,373	125,773	- 25,600
133	A-10 SQUADRONS .....	14,853	.....	- 14,853
134	F-16 SQUADRONS .....	132,795	120,195	- 12,600
135	F-15E SQUADRONS .....	356,717	356,717	.....
136	MANNED DESTRUCTIVE SUPPRESSION .....	14,773	14,773	.....
137	F-22 SQUADRONS .....	387,564	376,564	- 11,000
138	F-35 SQUADRONS .....	153,045	76,713	- 76,332
139	TACTICAL AIM MISSILES .....	52,898	52,898	.....
140	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE [AMRAAM] .....	62,470	62,470	.....
143	COMBAT RESCUE—PARARESCUE .....	362	362	.....
144	AF TENCAP .....	28,413	28,413	.....
145	PRECISION ATTACK SYSTEMS PROCUREMENT .....	649	649	.....
146	COMPASS CALL .....	13,723	13,723	.....
147	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM .....	109,859	109,859	.....
148	JOINT AIR-TO-SURFACE STANDOFF MISSILE [JASSM] .....	30,002	30,002	.....
149	AIR AND SPACE OPERATIONS CENTER [AOC] .....	37,621	18,343	- 19,278
150	CONTROL AND REPORTING CENTER [CRC] .....	13,292	13,292	.....
151	AIRBORNE WARNING AND CONTROL SYSTEM [AWACS] .....	86,644	86,644	.....
152	TACTICAL AIRBORNE CONTROL SYSTEMS .....	2,442	2,442	.....
154	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES .....	10,911	10,911	.....
155	TACTICAL AIR CONTROL PARTY—MOD .....	11,843	11,843	.....
156	C2ISR TACTICAL DATA LINK .....	1,515	1,515	.....
157	DCAPES .....	14,979	14,979	.....
158	SEEK EAGLE .....	25,308	25,308	.....
159	USAF MODELING AND SIMULATION .....	16,666	16,666	.....
160	WARGAMING AND SIMULATION CENTERS .....	4,245	4,245	.....
161	DISTRIBUTED TRAINING AND EXERCISES .....	3,886	3,886	.....
162	MISSION PLANNING SYSTEMS .....	71,785	71,785	.....
164	AF OFFENSIVE CYBERSPACE OPERATIONS .....	25,025	25,025	.....
165	AF DEFENSIVE CYBERSPACE OPERATIONS .....	29,439	39,439	+ 10,000
168	GLOBAL SENSOR INTEGRATED ON NETWORK [GSIN] .....	3,470	3,470	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
169	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES) .....	4,060	4,060	.....
175	SPACE SUPERIORITY INTELLIGENCE .....	13,880	13,880	.....
176	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) .....	30,948	30,948	.....
177	FAMILY OF ADVANCED BLoS TERMINALS (FAB-T) .....	42,378	42,378	.....
178	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK .....	47,471	47,471	.....
179	INFORMATION SYSTEMS SECURITY PROGRAM .....	46,388	37,388	- 9,000
180	GLOBAL COMBAT SUPPORT SYSTEM .....	52	52	.....
181	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE .....	2,099	2,099	.....
184	AIRBORNE SIGINT ENTERPRISE .....	90,762	90,762	.....
187	GLOBAL AIR TRAFFIC MANAGEMENT (GATM) .....	4,354	4,354	.....
188	SATELLITE CONTROL NETWORK (SPACE) .....	15,624	15,624	.....
189	WEATHER SERVICE .....	19,974	19,974	.....
190	AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC) ..	9,770	17,770	+ 8,000
191	AERIAL TARGETS .....	3,051	3,051	.....
194	SECURITY AND INVESTIGATIVE ACTIVITIES .....	405	405	.....
195	ARMS CONTROL IMPLEMENTATION .....	4,844	4,844	.....
196	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES .....	339	339	.....
199	SPACE AND MISSILE TEST AND EVALUATION CENTER .....	3,989	3,989	.....
200	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DE- VELOPMENT .....	3,070	3,070	.....
201	INTEGRATED BROADCAST SERVICE .....	8,833	8,833	.....
202	SPACELIFT RANGE SYSTEM (SPACE) .....	11,867	21,867	+ 10,000
203	DRAGON U-2 .....	37,217	37,217	.....
204	ENDURANCE UNMANNED AERIAL VEHICLES .....	.....	50,000	+ 50,000
205	AIRBORNE RECONNAISSANCE SYSTEMS .....	3,841	13,841	+ 10,000
206	MANNED RECONNAISSANCE SYSTEMS .....	20,975	20,975	.....
207	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	18,902	18,902	.....
208	RQ-4 UAV .....	256,307	233,307	- 23,000
209	NETWORK-CENTRIC COLLABORATIVE TARGET (TIARA) .....	22,610	22,610	.....
211	NATO AGS .....	38,904	38,904	.....
212	SUPPORT TO DCGS ENTERPRISE .....	23,084	23,084	.....
213	ADVANCED EVALUATION PROGRAM .....	116,143	116,143	.....
214	GPS III SPACE SEGMENT .....	141,888	134,388	- 7,500
215	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITEC- TURES .....	2,360	2,360	.....
216	JSPOC MISSION SYSTEM .....	72,889	72,889	.....
217	RAPID CYBER ACQUISITION .....	4,280	4,280	.....
218	NCMC-TW/AA SYSTEM .....	4,951	4,951	.....
219	NUDET DETECTION SYSTEM (SPACE) .....	21,093	21,093	.....
220	SPACE SITUATION AWARENESS OPERATIONS .....	35,002	35,002	.....
222	SHARED EARLY WARNING (SEW) .....	6,366	6,366	.....
223	C-130 AIRLIFT SQUADRON .....	15,599	15,599	.....
224	C-5 AIRLIFT SQUADRONS .....	66,146	66,146	.....
225	C-17 AIRCRAFT .....	12,430	12,430	.....
226	C-130J PROGRAM .....	16,776	16,776	.....
227	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM) .....	5,166	5,166	.....
229	OPERATIONAL SUPPORT AIRLIFT .....	13,817	13,817	.....
230	CV-22 .....	16,702	16,702	.....
231	SPECIAL TACTICS / COMBAT CONTROL .....	7,164	7,164	.....
232	DEPOT MAINTENANCE (NON-IF) .....	1,518	1,518	.....
233	LOGISTICS INFORMATION TECHNOLOGY (LOGIT) .....	61,676	57,676	- 4,000
238	SUPPORT SYSTEMS DEVELOPMENT .....	9,128	9,128	.....
235	OTHER FLIGHT TRAINING .....	1,653	1,653	.....
236	OTHER PERSONNEL ACTIVITIES .....	57	57	.....
237	JOINT PERSONNEL RECOVERY AGENCY .....	3,663	3,663	.....
238	CIVILIAN COMPENSATION PROGRAM .....	3,735	3,735	.....
239	PERSONNEL ADMINISTRATION .....	5,157	5,157	.....
240	AIR FORCE STUDIES AND ANALYSIS AGENCY .....	1,523	1,523	.....
242	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT .....	10,581	10,581	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT .....	4,365,499	4,030,506	- 334,993
9999	CLASSIFIED PROGRAMS .....	13,091,557	12,795,043	- 296,514

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE .....	28,112,251	27,490,944	-621,307

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Research Sciences .....	340,812	380,812	+ 40,000
	Authorization adjustment: Basic research program increase .....			+ 40,000
4	Materials .....	126,152	146,152	+ 20,000
	Program increase: Air Force Education and Outreach Program .....			+ 10,000
	Program increase .....			+ 10,000
5	Aerospace Vehicle Technologies .....	122,831	132,831	+ 10,000
	Program increase: Hypersonic vehicle structures .....			+ 10,000
7	Aerospace Propulsion .....	185,671	190,671	+ 5,000
	Program increase .....			+ 5,000
8	Aerospace Sensors .....	155,174	158,674	+ 3,500
	Program increase .....			+ 3,500
12	Dominant Information Sciences and Methods .....	161,650	166,650	+ 5,000
	Program increase .....			+ 5,000
14	Advanced Materials for Weapon Systems .....	35,137	53,137	+ 18,000
	Program increase: Metals affordability research .....			+ 17,000
	Program increase: Protective equipment .....			+ 1,000
18	Aerospace Propulsion and Power Technology .....	94,594	109,594	+ 15,000
	Program increase: Silicon carbide research .....			+ 15,000
20	Advanced Spacecraft Technology .....	61,593	71,593	+ 10,000
	Program increase .....			+ 10,000
24	Advanced Weapons Technology .....	39,064	49,064	+ 10,000
	Program increase .....			+ 10,000
25	Manufacturing Technology Program .....	46,344	52,344	+ 6,000
	Program increase .....			+ 6,000
33	Intercontinental Ballistic Missile—Dem/Val .....	108,663	118,663	+ 10,000
	Program increase: Solid rocket motor technology .....			+ 10,000
34	Pollution Prevention—Dem/Val .....		3,500	+ 3,500
	Program increase .....			+ 3,500
35	Long Range Strike—Bomber .....	1,358,309	1,258,309	- 100,000
	Improving funds management: Forward financing .....			- 100,000
37	Technology Transfer .....	3,368	8,368	+ 5,000
	Program increase .....			+ 5,000
42	Operationally Responsive Space .....	7,921	18,421	+ 10,500
	Program increase: Maintain fiscal year 2016 funding level .....			+ 10,500
43	Tech Transition Program .....	347,304	379,304	+ 32,000
	Program increase: Alternative energy research .....			+ 20,000
	Program increase: Logistics technologies .....			+ 12,000
48	NAVSTAR Global Positioning System (User Equipment) (SPACE) .....	278,147	253,147	- 25,000
	Restoring acquisition accountability: Unjustified cost growth .....			- 25,000
54	Electronic Warfare Development .....	12,476	8,476	- 4,000
	Improving funds management: Forward financing .....			- 4,000
57	Small Diameter Bomb (SDB)—EMD .....	54,838	46,938	- 7,900
	Improving funds management: Product development forward financing .....			- 7,900
60	Space Fence .....	168,364	158,364	- 10,000
	Improving funds management: Prior year carryover .....			- 10,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
65	Agile Combat Support .....	53,680	65,680	+ 12,000
	Program increase .....			+ 12,000
68	Combat Training Ranges .....	77,409	68,409	- 9,000
	Improving funds management: Forward financing .....			- 9,000
70	Evolved Expendable Launch Vehicle Program (SPACE)—			
	EMD .....	296,572	396,572	+ 100,000
	Program increase .....			+ 100,000
78	CSAR HH-60 Recapitalization .....	319,331	273,331	- 46,000
	Improving funds management: Forward financing .....			- 46,000
80	Advanced EHF MILSATCOM (SPACE) .....	259,131	229,131	- 30,000
	Improving funds management: Prior year carryover .....			- 30,000
82	Wideband Global SATCOM (SPACE) .....	41,632	31,632	- 10,000
	Improving funds management: Prior year carryover .....			- 10,000
83	Air & Space Ops Center 10.2 RDT&E .....	28,911	21,911	- 7,000
	Restoring acquisition accountability: AOC 10.2 program review underway .....			- 7,000
84	B-2 Defensive Management System .....	315,615	268,215	- 47,400
	Restoring acquisition accountability: Delayed contract award .....			- 47,400
89	JSTARS Recap .....	128,019	128,019	[102,800]
	Funding only for EMD contract award and source selection support .....			[102,800]
90	Presidential Aircraft Replacement [PAR] .....	351,220	312,220	- 39,000
	Restoring acquisition accountability: Preliminary design funding early to need .....			- 39,000
97	Test and Evaluation Support .....	661,417	676,417	+ 15,000
	Program increase .....			+ 15,000
99	Space Test Program [STP] .....	27,070	42,070	+ 15,000
	Program increase .....			+ 15,000
102	Requirements Analysis and Maturation .....	29,100	34,100	+ 5,000
	Program increase .....			+ 5,000
104	Space and Missile Center [SMC] Civilian Workforce .....	176,666	171,666	- 5,000
	Improving funds management: Prior year carryover .....			- 5,000
110	Global Positioning System III—Operational Control Segment .....	393,268	163,438	- 229,830
	Program Termination: OCS Blocks 1-2 .....			- 259,830
	Program increase: Operational M-code risk mitigation for OCS .....			+ 30,000
111	Specialized Undergraduate Flight Training .....	15,427	18,427	+ 3,000
	Program increase: Remotely piloted aircraft training .....			+ 3,000
118	HC/MC-130 Recap RDT&E .....	13,987	8,987	- 5,000
	Improving funds management: Block 8.1 forward financing .....			- 5,000
119	B-52 Squadrons .....	78,267	83,267	+ 5,000
	Program increase .....			+ 5,000
126	Worldwide Joint Strategic Communications .....	6,042	13,042	+ 7,000
	Program increase: Nuclear command, control and communications development .....			+ 7,000
131	MQ-9 UAV .....	151,373	125,773	- 25,600
	Restoring acquisition accountability: Release #3 early to need .....			- 25,600
133	A-10 Squadrons .....	14,853		- 14,853
	Maintain program affordability: Funding excess to need .....			- 14,853
134	F-16 Squadrons .....	132,795	120,195	- 12,600
	Restoring acquisition accountability: Operational flight program funding excess to need .....			- 12,600
137	F-22A Squadrons .....	387,564	376,564	- 11,000
	Maintain program affordability: Unjustified growth .....			- 23,000
	Program increase: F-22 software .....			+ 12,000
138	F-35 Squadrons .....	153,045	76,713	- 76,332
	Improving funds management: Follow-on modernization early to need .....			- 76,332
149	Air & Space Operations Center [AOC] .....	37,621	18,343	- 19,278

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: AOC 10.2 program review underway .....			-7,000
	Restoring acquisition accountability: AOC weapon system modification early to need .....			-12,278
165	AF Defensive Cyberspace Operations .....	29,439	39,439	+10,000
	Program increase .....			+10,000
179	Information Systems Security Program .....	46,388	37,388	-9,000
	Improving funds management: Forward financing .....			-9,000
190	Air Traffic Control, Approach, and Landing System [ATCALs] .....	9,770	17,770	+8,000
	Program increase .....			+8,000
202	Spacelift Range System (SPACE) .....	11,867	21,867	+10,000
	Program increase: Space launch range services and capability .....			+10,000
204	Endurance Unmanned Aerial Vehicles .....		50,000	+50,000
	Program increase .....			+50,000
205	Airborne Reconnaissance Systems .....	3,841	13,841	+10,000
	Program increase: Wide-area sensor development .....			+10,000
208	RQ-4 UAV .....	256,307	233,307	-23,000
	Improving funds management: Forward financing .....			-23,000
214	GPS III Space Segment .....	141,888	134,388	-7,500
	Reduce Duplication: Funding enterprise and unique ground system .....			-7,500
233	Logistics Information Technology [LOGIT] .....	61,676	57,676	-4,000
	Restoring acquisition accountability: Contract savings .....			-4,000
	Classified Programs .....	13,091,557	12,795,043	-296,514
	Classified adjustment .....			-296,514

*Unmanned Aerial Systems [UAS].*—The Committee recognizes that unmanned aerial systems [UAS] used by rogue individuals or organizations pose an increasing threat to military installations, weapons systems, and personnel, both in the United States and overseas. The rapid proliferation of UAS requires a comprehensive effort by Department of Defense to combat their use as a weapon. The Committee encourages the Air Force Research Laboratory to continue research and development of tactics using radar systems, advanced communications, and cyber security technologies to counter UAS threats.

*Long Range Strike Bomber.*—The Committee notes that the Air Force recently announced the seven subcontractors that will produce various parts for the bomber program. The Committee also understands there is additional pressure on the Air Force to reveal further information, including roles of the subcontractors and the contract value for the prime contractor. The Committee recognizes that the value of additional program transparency must be balanced with the need for security protection. For example, additional details on the companies and subcontractors involved with the program could be of interest to foreign intelligence services for traditional or cyber espionage efforts. Therefore, the Committee directs the Inspector General of the Department of Defense to conduct a review of the security strategy, controls, and program protection plan and provide an assessment to the congressional defense committees on the findings not later than 60 days after enactment of this act. In addition, the Committee designates the long range strike bomber program as a congressional special interest



item for purposes of transfer of funds and prior approval re-programming procedures.

*Technology Transfer.*—The Committee recognizes the importance of technology transfer between the Federal Government and non-Federal entities, such as academia, nonprofit organizations, and State and local governments. Technology transfer lowers the cost of new defense-related technology development and ensures that taxpayer investments in research and development benefit the economy and the industrial base. The Committee encourages the Department of Defense to continue placing an increased focus on technology transfer programs by allocating sufficient funding and leveraging the work being performed by Federal laboratories.

*Air Force Alternative Energy.*—The Committee recommends an additional \$20,000,000 for Air Force alternative energy research. The Committee remains encouraged by the Air Force's energy conservation and efficiency initiatives, as well as its investment into promising renewable energy, such as hydrogen fuel. The Committee urges the Secretary of the Air Force to continue critical research in this field, including investments in adaptive engine technologies, biogasification and waste-to-energy, and other promising initiatives that can reduce the Air Force's reliance on conventional petroleum.

*Adaptive Engine Transition Program [AETP].*—The Committee continues to support research and development in the next generation of turbine engine technology. The goal of AETP is to mature fuel efficient adaptive cycle engine technologies while reducing technical and manufacturing risks. The Committee fully funds the fiscal year 2017 request and encourages the Air Force to identify current and future programs for this technology insertion.

Even though the Committee remains supportive of the program, the Committee notes that the budget justification for the program is incomplete and not transparent. While the AETP program is an early research and development and prototyping effort, the size and scope of planned investments, nearly \$2,500,000,000 through fiscal year 2021, necessitate the same level of detail and transparency of an Acquisition Category [ACAT] 1D or Major Defense Acquisition Program [MDAP]. Therefore, the Committee directs the Air Force to provide more useful and complete R-2A, R-3, and R-4 budget justification documents in future budget requests, starting in fiscal year 2018, for the AETP program.

*Ground Based Strategic Deterrent.*—In fiscal year 2017, the Air Force will begin competitive risk reduction of flight systems technologies as well as maturation of the weapon system preliminary design with the intent to decrease integration risk. The Committee commends the Air Force in transitioning to a leaner acquisition strategy early in the program's design phase that focuses on risk reduction of the entire, integrated system. The Committee believes addressing the biggest risks early in the program, while still in competition, will result in overall cost savings and align the program for success. In support of this new strategy, the Committee fully funds the fiscal year 2017 request.

*Multi-Intelligence Data Fusion.*—The Committee understands that the Air Force Common Data Link Executive Agent program provides the Department of Defense standard for interoperable,

multi-service, multi-agency, Intelligence, Surveillance, and Reconnaissance [ISR] datalinks for more than 10,000 manned and unmanned airborne and ground collection platforms. The Committee encourages the Air Force to develop technologies and standards to integrate collected data across these multiple collection platforms to increase the efficiency and effectiveness of intelligence analysis and battlefield decisionmaking.

*Long Range Stand-Off Weapon.*—The fiscal year 2017 budget request includes \$95,604,000 for the Long Range Standoff Weapon. The Committee continues to support the Air Force’s program to develop a follow-on capability to the Air Launched Cruise Missile and recommends fully funding the request. The Committee directs the Secretary of Defense to cooperate with the Secretary of Energy, in conjunction with the Nuclear Weapons Council, on a report to the Committees on Appropriations of both the House and Senate on the W80 warhead and the Long Range Standoff Weapon, as delineated in Senate Report 114–236.

*Advanced Pilot Training Program.*—The fiscal year 2017 budget request includes \$12,377,000 to develop the Advanced Trainer Replacement to replace the T–38 aircraft and the associated ground-based training system. The average age of T–38 aircraft is nearly 50 years and the fleet is reaching the end of its third service life. The Committee fully funds the fiscal year 2017 budget request and encourages the Air Force’s Air Education and Training Command to accelerate Initial Operational Capability as the program moves forward. Separately, the Navy and the Air Force’s Air Combat Command [ACC], who also operate T–38 aircraft, should leverage the Advanced Pilot Training Program. The Committee directs the Secretary of the Navy and the Commander of Air Combat Command to provide a business case analysis to congressional defense committees not later than 120 days after enactment of this act to begin considering alternatives for replacing their aging T–38 trainers and adversary aircraft.

*F–15 Survivability.*—The Committee supports the fiscal year 2017 request for the F–15 Eagle Passive/Active Warning and Survivability System [EPAWSS] program. The F–15 EPAWSS program is critical to the survivability and lethality of the fleet to counter current and future electronic warfare threats. Given the strategic importance of the program for homeland defense and overseas contingencies, the Committee encourages the Air Force to review its plan and funding through fiscal year 2021 to fully equip Air National Guard F–15 aircraft with EPAWSS.

*Joint Surveillance and Target Attack Radar System [JSTARS].*—The fiscal year 2017 budget request includes \$128,019,000 for the JSTARS recapitalization program, of which \$102,800,000 supports a new radar risk reduction phase to mature two competing radars over an 18-month period through the end of fiscal year 2017. The Department of Defense [DOD] revised the JSTARS recapitalization program schedule, delaying the start of the Engineering and Manufacturing Development [EMD] phase to fiscal year 2018, extending the EMD phase from four to five and a half years, and delaying initial operational capability [IOC] to 2024 and full operational capability [FOC] to 2028.

In the reports accompanying the Senate versions of the Department of Defense Appropriations Acts, 2015 and 2016 (Senate Reports 113–211 and 114–63), the Committee voiced its support of the JSTARS recapitalization program and directed the Air Force to accelerate the acquisition schedule. The JSTARS recapitalization program is necessary to replace an aging, low density, and high demand E8–C fleet. From the outset, the recapitalization program was primarily intended to be an integration effort of mature technologies onto an existing platform to achieve the most cost-effective and low risk solution. Instead, the DOD has delayed EMD and requested additional funds for radar risk reduction. The Committee believes there is less risk related to available systems and mature technologies and that the greater programmatic risk associated with integration of the radar and battle management, command, and control system onto a new aircraft be addressed earlier in the program.

The Committee notes that the fiscal year 2017 request for JSTARS recapitalization does not support a timely fielding acquisition strategy. Therefore, the Committee directs that \$102,800,000 of the request for radar risk reduction only be used to fund the EMD contract award or support the EMD source selection process. The Committee directs the Secretary of the Air Force and the Under Secretary of Defense for Acquisition, Technology, and Logistics to provide a briefing to the congressional defense committees not later than 90 days after enactment of this act on a compressed acquisition schedule and funding profile to achieve IOC and FOC as early as possible.

*F–16 Modernization.*—The Committee understands that the advance of threats on U.S. aircraft have increased to a level where the F–16 struggles to maintain air superiority. The Committee further notes that without a funding plan to modernize the F–16 fleet, which will remain in the inventory for 15–20 additional years, the aircraft will be at a serious disadvantage when operating against both air-to-air and surface-to-air threats. Therefore, the Committee encourages the Air Force to ensure that the F–16 fleet is modernized appropriately to maintain air superiority against current and future threats.

*Simulation Training.*—The Committee supports the Department of Defense’s continued expansion of the full range of simulation training as a cost-effective means by which the military can improve tactical decision-making skills in realistic scenarios only found in theater combat operations. The Committee encourages the Department of Defense to continue developing and supporting efficient simulation training programs through a combination of both government-owned and operated simulators, as well as support from industry that can provide frequent hardware and software updates.

*Arctic Domain Awareness.*—The Committee remains concerned with the pace of needed development in the arctic region and specifically with arctic domain awareness. The Committee understands that the Department is still drafting a report that was due to the congressional defense committees in June 2015 outlining a plan to ensure arctic domain awareness coverage for the foreseeable future. The Committee directs the Secretary of Defense to sub-

mit the report as soon as possible, to include an assessment of the satellite communications capability in the region and potential to partner with Canada on the Canadian Weather Satellite mission.

#### SPACE PROGRAMS

*Weather Satellite Follow-On.*—The Department of Defense Appropriations Act, 2016 (Public Law 114–113) recommended that the Secretary of the Air Force focus resources on ensuring that the next generation of weather satellites meet the full spectrum of warfighter and intelligence requirements, and work with civil stakeholders to ensure that any other weather coverage gaps are met using appropriate civil or international weather assets. While the Air Force is moving forward with plans to meet key weather requirements with its Compact Ocean Wind Vector Radiometer technology demonstration and ultimately the Weather Satellite Follow-On, electro-optical/infrared needs for cloud characterization and weather forecasting, particularly in the CENTCOM theater of operations, are not addressed in the 2017 budget request. International partners have assisted in filling some coverage gaps, but as previously noted by the Committee, these are not long-term solutions and do not solve all coverage gaps. The Committee directs the Secretary of the Air Force to examine the possibility of using commercial weather data to supplement existing assets and fill coverage gaps in cloud characterization and weather forecasting. Additionally, the Committee again recommends that the Secretary of the Air Force work with military, civil, commercial, and international stakeholders to ensure that all warfighter and intelligence weather requirements are met with a long-term solution.

*Operationally Responsive Space.*—The Committee recommends that the Operationally Responsive Space program continue research, development, and educational programs in launching small satellites designed and built by university students. These efforts can both advance state-of-the-art technology and help build the technological workforce needed in our space industry.

*Global Positioning System III Operational Control Segment.*—The budget request for fiscal year 2017 includes \$393,268,000 for the GPS III Operational Control Segment [OCX]. This ground system promises to provide improved accuracy, security, and anti-jamming protection and allow integration of the new GPS III satellites with the legacy GPS IIF constellation. In the Department of Defense Appropriations Act, 2016 (Public Law 114–113), Congress raised concerns about development delays, so excessive that the OCX system will not be available for several years after the Air Force begins launching GPS III satellites. This has prompted the Air Force to contract for an interim solution to upgrade the current Operational Control System [OCS] ground system so that GPS III satellites can be integrated into the legacy architecture and operate as GPS IIFs. However, this interim solution will not enable all the capabilities of three generations of satellites—IIR–M, IIF, and IIIs—including Military code [M–code] capability, a key warfighting need.

As the Air Force embarks on this interim solution, the OCX program remains in jeopardy. After several pauses, reassessments, and a joint Office of the Secretary of Defense and Air Force deep dive effort to address the root causes of the program failures, the

feasibility of meeting a new 2-year schedule remains in question. Moreover, the program cost is now expected to be \$2,300,000,000, a 160-percent increase over the original estimate of \$886,000,000.

The Government Accountability Office [GAO] reported that as of March 2016, after the deep dive, the program was continuing to experience significant technical challenges, part of a long historical pattern that has contributed to multiple delays and cost overruns. The GAO also questioned the 2-year additional schedule delay, noting that the contractor and Air Force believed that a more than 4-year additional delay was likely necessary.

The Committee is concerned that the program cannot correct course and meet the new schedule. Further delays and problems in the OCX program will only delay the operation of GPS III replenishment satellites and risk national security. The Committee believes the Air Force should work with the contractor to ensure that OCX Block 0, which will enable launch and checkout of GPS III satellites, is completed, and turn its focus toward ensuring that the interim OCS solution succeeds, on schedule and on budget.

The Committee, therefore, reduces funding for the OCX program by \$259,830,000, terminating Blocks 1 and 2. The Committee recommends funding for completion of Block 0 and adds \$30,000,000 for enhancements to the OCS ground system that will enable M-code broadcast capabilities and ensure that our warfighters have this necessary capability in the most timely manner possible.

*Space Fence.*—The Committee commends the Air Force for its execution of the Space Fence program and for recognition of the program by the Government Accountability Office as one of the few space programs currently on schedule and on budget. The program plans to complete installation, checkout, and test of the first radar site in fiscal year 2017 and deliver an initial operating capability in 2018 to dramatically improve identification and tracking of space objects. However, the Air Force has not yet moved forward on the second radar site, which will be essential for full operational capability. Therefore, the Committee directs the Secretary of the Air Force to conduct an analysis and report to the congressional defense committees, not later than 180 days after enactment of this act, on the requirements, site options, and necessary timelines for construction and integration of Space Fence site 2 into the Space Surveillance Network to maximize the cost effectiveness of site 2 procurement and support the necessary improvements for geostationary orbit coverage.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Appropriations, 2016 .....	\$18,695,955,000
Budget estimate, 2017 .....	18,308,826,000
Committee recommendation .....	18,478,028,000

The Committee recommends an appropriation of \$18,478,028,000. This is \$169,202,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, DEFENSE-WIDE			
	BASIC RESEARCH			
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH ..	35,436	35,436	.....
2	DEFENSE RESEARCH SCIENCES .....	362,297	362,297	.....
3	BASIC RESEARCH INITIATIVES .....	36,654	68,154	+ 31,500
4	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE .....	57,791	57,791	.....
5	NATIONAL DEFENSE EDUCATION PROGRAM .....	69,345	79,345	+ 10,000
6	HISTORICALLY BLACK COLLEGES & UNIV [HBCU] .....	23,572	32,072	+ 8,500
7	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	44,800	44,800	.....
	TOTAL, BASIC RESEARCH .....	629,895	679,895	+ 50,000
	APPLIED RESEARCH			
8	JOINT MUNITIONS TECHNOLOGY .....	17,745	17,745	.....
9	BIOMEDICAL TECHNOLOGY .....	115,213	115,213	.....
10	DEFENSE TECHNOLOGY INNOVATION .....	30,000	28,000	- 2,000
11	LINCOLN LABORATORY RESEARCH PROGRAM .....	48,269	48,269	.....
12	APPLIED RESEARCH FOR ADVANCEMENT S&T PRIORITIES .....	42,206	42,206	.....
13	INFORMATION AND COMMUNICATIONS TECHNOLOGY .....	353,635	353,635	.....
14	BIOLOGICAL WARFARE DEFENSE .....	21,250	21,250	.....
15	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	188,715	193,715	+ 5,000
16	CYBER SECURITY RESEARCH .....	12,183	12,183	.....
17	TACTICAL TECHNOLOGY .....	313,843	305,843	- 8,000
18	MATERIALS AND BIOLOGICAL TECHNOLOGY .....	220,456	214,456	- 6,000
19	ELECTRONICS TECHNOLOGY .....	221,911	201,911	- 20,000
20	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES .....	154,857	154,857	.....
21	SOFTWARE ENGINEERING INSTITUTE .....	8,420	8,420	.....
22	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT .....	37,820	42,820	+ 5,000
	TOTAL, APPLIED RESEARCH .....	1,786,523	1,760,523	- 26,000
	ADVANCED TECHNOLOGY DEVELOPMENT			
23	JOINT MUNITIONS ADVANCED TECH INSENSITIVE MUNITIONS AD	23,902	23,902	.....
25	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	73,002	115,502	+ 42,500
26	FOREIGN COMPARATIVE TESTING .....	19,343	19,343	.....
27	COUNTERPROLIFERATION INITIATIVES—PROLIF PREV & DEFEAT	266,444	266,444	.....
28	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT .....	17,880	17,880	.....
30	WEAPONS TECHNOLOGY .....	71,843	49,643	- 22,200
31	ADVANCED C4ISR .....	3,626	3,626	.....
32	ADVANCED RESEARCH .....	23,433	23,433	.....
33	JOINT DOD—DOE MUNITIONS TECHNOLOGY DEVELOPMENT .....	17,256	17,256	.....
35	SPECIAL PROGRAM—MDA TECHNOLOGY .....	83,745	11,795	- 71,950
36	ADVANCED AEROSPACE SYSTEMS .....	182,327	182,327	.....
37	SPACE PROGRAMS AND TECHNOLOGY .....	175,240	160,240	- 15,000
38	ANALYTIC ASSESSMENTS .....	12,048	12,048	.....
39	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS .....	57,020	57,020	.....
40	COMMON KILL VEHICLE TECHNOLOGY .....	.....	71,513	+ 71,513
41	TECHNOLOGY INNOVATION .....	39,923	39,923	.....
42	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED			
	DEV .....	127,941	132,941	+ 5,000
43	RETRACT LARCH .....	181,977	181,977	.....
44	JOINT ELECTRONIC ADVANCED TECHNOLOGY .....	22,030	22,030	.....
45	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS .....	148,184	132,184	- 16,000
46	NETWORKED COMMUNICATIONS CAPABILITIES .....	9,331	9,331	.....
47	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY			
	PROG .....	158,398	158,398	.....
48	MANUFACTURING TECHNOLOGY PROGRAM .....	31,259	41,259	+ 10,000
49	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT .....	49,895	55,895	+ 6,000
50	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS .....	11,011	25,011	+ 14,000
52	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM .....	65,078	65,078	.....
53	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT	97,826	89,826	- 8,000
54	JOINT WARFIGHTING PROGRAM .....	7,848	4,848	- 3,000
55	ADVANCED ELECTRONICS TECHNOLOGIES .....	49,807	49,807	.....
56	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS .....	155,081	155,081	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
57	NETWORK-CENTRIC WARFARE TECHNOLOGY .....	428,894	419,894	- 9,000
58	SENSOR TECHNOLOGY .....	241,288	241,288	.....
60	SOFTWARE ENGINEERING INSTITUTE .....	14,264	14,264	.....
61	QUICK REACTION SPECIAL PROJECTS .....	74,943	79,943	+ 5,000
63	ENGINEERING SCIENCE AND TECHNOLOGY .....	17,659	22,659	+ 5,000
64	TEST & EVALUATION SCIENCE & TECHNOLOGY .....	87,135	92,135	+ 5,000
65	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT .....	37,329	42,329	+ 5,000
66	CWMD SYSTEMS .....	44,836	44,836	.....
67	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT ..	61,620	92,620	+ 31,000
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT .....	3,190,666	3,245,529	+ 54,863
	DEMONSTRATION & VALIDATION			
68	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	28,498	26,498	- 2,000
69	WALKOFF .....	89,643	89,643	.....
71	ACQUISITION ENTERPRISE DATA AND INFORMATION SERVICES ...	2,136	2,136	.....
72	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PRO- GRAM .....	52,491	46,491	- 6,000
73	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT .....	206,834	206,834	.....
74	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT ...	862,080	972,780	+ 110,700
75	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	138,187	138,187	.....
76	BALLISTIC MISSILE DEFENSE SENSORS .....	230,077	230,077	.....
77	BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS .....	401,594	401,594	.....
78	SPECIAL PROGRAMS—MDA .....	321,607	304,677	- 16,930
79	AEGIS BMD .....	959,066	924,066	- 35,000
80	SPACE SURVEILLANCE & TRACKING SYSTEM .....	32,129	32,129	.....
81	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS .....	20,690	20,690	.....
82	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT .....	439,617	443,517	+ 3,900
83	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT .....	47,776	47,776	.....
	BALLISTIC MISSILE DEFENSE INTERGRATION AND OPERATIONS CENTER (MDIOC) .....	54,750	54,750	.....
85	REGARDING TRENCH .....	8,785	8,785	.....
86	SEA BASED X-BAND RADAR (SBX) .....	68,787	88,787	+ 20,000
87	ISRAELI COOPERATIVE PROGRAMS .....	103,835	268,735	+ 164,900
88	BALLISTIC MISSILE DEFENSE TEST .....	293,441	296,441	+ 3,000
89	BALLISTIC MISSILE DEFENSE TARGETS .....	563,576	531,976	- 31,600
90	HUMANITARIAN DEMINING .....	10,007	10,007	.....
91	COALITION WARFARE .....	10,126	10,126	.....
92	DEPARTMENT OF DEFENSE CORROSION PROGRAM .....	3,893	13,893	+ 10,000
93	TECHNOLOGY MATURATION INITIATIVES .....	90,266	90,266	.....
94	MISSILE DEFEAT PROJECT .....	45,000	45,000	.....
95	ADVANCED INNOVATIVE TECHNOLOGIES .....	844,870	829,870	- 15,000
97	DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOP- MENT .....	3,320	7,320	+ 4,000
99	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA) ....	4,000	4,000	.....
102	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTER- OPERABILITY .....	23,642	23,642	.....
104	LONG RANGE DISCRIMINATION RADAR .....	162,012	162,012	.....
105	IMPROVED HOMELAND DEFENSE INTERCEPTORS .....	274,148	249,346	- 24,802
106	BMD TERMINAL DEFENSE SEGMENT TEST .....	63,444	63,444	.....
107	AEGIS BMD TEST .....	95,012	95,012	.....
108	BALLISTIC MISSILE DEFENSE SENSOR TEST .....	83,250	88,150	+ 4,900
109	LAND-BASED SM-3 [LBSM3] .....	43,293	43,293	.....
110	AEGIS SM-3 BLOCK IIA CO-DEVELOPMENT .....	106,038	106,038	.....
111	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT TEST .....	56,481	62,781	+ 6,300
112	MULTI-OBJECT KILL VEHICLE .....	71,513	.....	- 71,513
114	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM .....	2,636	2,636	.....
115	CYBER SECURITY INITIATIVE .....	969	969	.....
	TOTAL, DEMONSTRATION & VALIDATION .....	6,919,519	7,044,374	+ 124,855
	ENGINEERING & MANUFACTURING DEVELOPMENT			
116	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	10,324	10,324	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
117	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT .....	181,303	101,303	− 80,000
118	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	266,231	281,231	+ 15,000
120	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM [JTIDS] ...	16,288	16,288	.....
121	WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES .....	4,568	4,568	.....
122	INFORMATION TECHNOLOGY DEVELOPMENT .....	11,505	11,505	.....
123	HOMELAND PERSONNEL SECURITY INITIATIVE .....	1,658	1,658	.....
124	DEFENSE EXPORTABILITY PROGRAM .....	2,920	2,920	.....
126	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION .....	12,631	12,631	.....
128	DEFENSE AGENCY INITIATIVES FINANCIAL SYSTEM .....	26,657	26,657	.....
129	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM [DRAS] .....	4,949	4,949	.....
130	TRUSTED FOUNDRY .....	69,000	69,000	.....
131	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITY .....	9,881	8,681	− 1,200
132	GLOBAL COMBAT SUPPORT SYSTEM .....	7,600	7,600	.....
133	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT [EIM]	2,703	2,703	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT .....	628,218	562,018	− 66,200
	RDT&E MANAGEMENT SUPPORT			
134	DEFENSE READINESS REPORTING SYSTEM [DRRS] .....	4,678	4,678	.....
135	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT .....	4,499	3,099	− 1,400
136	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT ...	219,199	219,199	.....
137	ASSESSMENTS AND EVALUATIONS .....	28,706	28,706	.....
138	MISSION SUPPORT .....	69,244	63,044	− 6,200
139	JOINT MISSION ENVIRONMENT TEST CAPABILITY [JMETC] .....	87,080	42,080	− 45,000
140	TECHNICAL STUDIES, SUPPORT AND ANALYSIS .....	23,069	21,469	− 1,600
142	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION ...	32,759	32,759	.....
143	CLASSIFIED PROGRAM USD(P) .....	.....	130,000	+ 130,000
144	SYSTEMS ENGINEERING .....	32,429	32,429	.....
145	STUDIES AND ANALYSIS SUPPORT .....	3,797	2,797	− 1,000
146	NUCLEAR MATTERS—PHYSICAL SECURITY .....	5,302	5,302	.....
147	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION .....	7,246	7,246	.....
148	GENERAL SUPPORT TO USD (INTELLIGENCE) .....	1,874	1,874	.....
149	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	85,754	85,754	.....
158	SMALL BUSINESS INNOVATION RESEARCH/TECHNOLOGY TRANSFER .....	2,187	2,187	.....
159	DEFENSE TECHNOLOGY ANALYSIS .....	22,650	25,650	+ 3,000
160	DEFENSE TECHNICAL INFORMATION CENTER [DTIC] .....	43,834	43,834	.....
161	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	22,240	15,240	− 7,000
162	DEVELOPMENT TEST AND EVALUATION .....	19,541	19,541	.....
163	MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT) ...	4,759	4,759	.....
164	MANAGEMENT HEADQUARTERS DEFENSE TECHNICAL INFORMATION CENTER [DTIC] .....	4,400	4,400	.....
165	BUDGET AND PROGRAM ASSESSMENTS .....	4,014	4,014	.....
166	OPERATIONS SECURITY [OPSEC] .....	2,072	2,072	.....
167	JOINT STAFF ANALYTICAL SUPPORT .....	7,464	5,464	− 2,000
170	SUPPORT TO INFORMATION OPERATIONS [IO] CAPABILITIES .....	857	857	.....
171	DEFENSE MILITARY DECEPTION PROGRAM OFFICE .....	916	916	.....
172	COMBINED ADVANCED APPLICATIONS .....	15,336	15,336	.....
173	CYBER INTELLIGENCE .....	18,523	13,523	− 5,000
175	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION .....	34,384	34,384	.....
176	MANAGEMENT HEADQUARTERS—MDA .....	31,160	56,160	+ 25,000
179	JOINT SERVICE PROVIDER [JSP] .....	827	827	.....
9999	CLASSIFIED PROGRAMS .....	56,799	56,799	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT .....	897,599	986,399	+ 88,800
	OPERATIONAL SYSTEMS DEVELOPMENT			
181	ENTERPRISE SECURITY SYSTEM [ESS] .....	4,241	3,541	− 700
182	REGIONAL INTERNATIONAL OUTREACH & PARTNERSHIP FOR PEAC .....	1,424	1,424	.....
183	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SY .....	287	287	.....



[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
184	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT .....	16,195	31,195	+ 15,000
185	OPERATIONAL SYSTEMS DEVELOPMENT .....	4,194	4,194	.....
186	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT .....	7,861	7,861	.....
187	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D) .....	33,361	33,361	.....
189	PLANNING AND DECISION AID SYSTEM .....	3,038	3,038	.....
190	C4I INTEROPERABILITY .....	57,501	57,501	.....
192	JOINT/ALLIED COALITION INFORMATION SHARING .....	5,935	5,509	- 426
196	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT .....	575	575	.....
197	DEFENSE INFO INFRASTRUCTURE ENGINEERING & INTEGRATION .....	18,041	18,041	.....
198	LONG HAUL COMMUNICATIONS [DCS] .....	13,994	13,994	.....
199	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK .....	12,206	12,206	.....
200	PUBLIC KEY INFRASTRUCTURE [PKI] .....	34,314	34,314	.....
201	KEY MANAGEMENT INFRASTRUCTURE [KMI] .....	36,602	36,602	.....
202	INFORMATION SYSTEMS SECURITY PROGRAM .....	8,876	8,876	.....
203	INFORMATION SYSTEMS SECURITY PROGRAM .....	159,068	159,068	.....
204	GLOBAL COMMAND AND CONTROL SYSTEM .....	24,438	21,438	- 3,000
205	JOINT SPECTRUM CENTER (DEFENSE SPECTRUM ORGANIZATION) .....	13,197	13,197	.....
207	JOINT INFORMATION ENVIRONMENT [JIE] .....	2,789	2,789	.....
209	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY .....	75,000	75,000	.....
210	TELEPORT PROGRAM .....	657	657	.....
215	CYBER SECURITY INITIATIVE .....	1,553	1,553	.....
220	POLICY R&D PROGRAMS .....	6,204	3,204	- 3,000
221	NET CENTRICITY .....	17,971	17,971	.....
223	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	5,415	5,415	.....
226	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	3,030	3,030	.....
229	INSIDER THREAT .....	5,034	5,034	.....
230	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM .....	2,037	7,037	+ 5,000
236	INTELLIGENCE MISSION DATA [IMD] .....	13,800	.....	- 13,800
238	PACIFIC DISASTER CENTERS .....	1,754	1,754	.....
239	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM .....	2,154	2,154	.....
240	MANAGEMENT HEADQUARTERS (JCS) .....	826	826	.....
241	MQ-9 UAV .....	17,804	17,804	.....
244	SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEV .....	159,143	151,453	- 7,690
245	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT ...	7,958	5,958	- 2,000
246	SOF OPERATIONAL ENHANCEMENTS .....	64,895	54,895	- 10,000
247	WARRIOR SYSTEMS .....	44,885	59,885	+ 15,000
248	SPECIAL PROGRAMS .....	1,949	1,949	.....
249	UNMANNED ISR .....	22,117	22,117	.....
250	SOF TACTICAL VEHICLES .....	3,316	3,316	.....
251	SOF MARITIME SYSTEMS .....	54,577	54,577	.....
252	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES .....	3,841	3,841	.....
253	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	11,834	11,834	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT .....	985,891	980,275	- 5,616
999	CLASSIFIED PROGRAMS .....	3,270,515	3,219,015	- 51,500
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, DEF-WIDE .....	18,308,826	18,478,028	+ 169,202

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
3	Basic Research Initiatives .....	36,654	68,154	+ 31,500
	Basic research program increase .....	.....	.....	+ 31,500
5	National Defense Education Program .....	69,345	79,345	+ 10,000
	Program increase: Manufacturing initiative .....	.....	.....	+ 10,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
6	Historically Black Colleges and Universities/Minority Institutions Basic research program increase .....	23,572	32,072	+ 8,500
10	Defense Technology Innovation .....	30,000	28,000	+ 8,500
	Transfer: To Line # 67 SOF Advanced Technology Development .....			- 2,000
15	Chemical and Biological Defense Program .....	188,715	193,715	- 2,000
	Program increase .....			+ 5,000
17	Tactical Technology .....	313,843	305,843	+ 5,000
	Improving funds management: Unobligated balances .....			- 8,000
18	Materials and Biological Technology .....	220,456	214,456	- 8,000
	Maintain program affordability: Unjustified growth .....			- 6,000
19	Electronics Technology .....	221,911	201,911	- 6,000
	Maintain program affordability: Unjustified growth .....			- 20,000
22	SOF Technology Development .....	37,820	42,820	- 20,000
	Program increase: Thermal signature management technology .....			+ 5,000
25	Combating Terrorism Technology Support .....	73,002	115,502	+ 5,000
	Program increase: Anti-tunneling research .....			+ 42,500
30	Weapons Technology .....	71,843	49,643	+ 42,500
	Restoring acquisition accountability: MD69 redundancy .....			- 22,200
35	Special Program—MDA Technology .....	83,745	11,795	- 22,200
	Program adjustment .....			- 71,950
37	Space Programs and Technology .....	175,240	160,240	- 71,950
	Maintain program affordability: Unjustified growth .....			- 15,000
40	Common Kill Vehicle Technology .....		71,513	- 15,000
	Transfer MOKV from line 112 .....			+ 71,513
42	Chemical and Biological Defense Program—Advanced Development .....	127,941	132,941	+ 71,513
	Program increase .....			+ 5,000
45	Joint Capability Technology Demonstrations .....	148,184	132,184	+ 5,000
	Maintain program affordability: Delayed contract award .....			- 16,000
48	Manufacturing Technology Program .....	31,259	41,259	- 16,000
	Program increase .....			+ 10,000
49	Emerging Capabilities Technology Development .....	49,895	55,895	+ 10,000
	Program increase .....			+ 6,000
50	Generic Logistics R&D Technology Demonstrations .....	11,011	25,011	+ 6,000
	Program increase .....			+ 14,000
	Program increase: National security technology accelerator .....			+ 4,000
53	Microelectronics Technology Development and Support .....	97,826	89,826	+ 10,000
	Improving funds management: Unobligated balances .....			- 8,000
54	Joint Warfighting Program .....	7,848	4,848	- 8,000
	Maintain program affordability: Unjustified growth .....			- 3,000
57	Network-Centric Warfare Technology .....	428,894	419,894	- 3,000
	Program termination: classified .....			- 9,000
61	Quick Reaction Special Projects .....	74,943	79,943	- 9,000
	Maintain program affordability: Forward financing .....			+ 5,000
	Program increase .....			- 5,000
63	Engineering Science & Technology .....	17,659	22,659	+ 10,000
	Program increase .....			+ 5,000
64	Test & Evaluation Science & Technology .....	87,135	92,135	+ 5,000
	Program increase .....			+ 5,000
65	Operational Energy Capability Improvement .....	37,329	42,329	+ 5,000
	Program increase .....			+ 5,000
67	SOF Advanced Technology Development .....	61,620	92,620	+ 5,000
	Transfer: From Line # 10 Defense Technology Innovation .....			+ 31,000
	Program increase .....			+ 2,000
68	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P .....	28,498	26,498	+ 29,000
	Improving funds management: Unobligated balances .....			- 2,000
72	Environmental Security Technical Certification Program .....	52,491	46,491	- 2,000
	Improving funds management: Unobligated balances .....			- 6,000
74	Ballistic Missile Defense Midcourse Defense Segment .....	862,080	972,780	- 6,000
	Program increase .....			+ 110,700
				+ 110,700

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
78	Special Programs—MDA .....	321,607	304,677	− 16,930
	Program adjustment .....			− 16,930
79	AEGIS BMD .....	959,066	924,066	− 35,000
	Restoring acquisition accountability: SM-3 Block IIA FTM-29 flight test integration not required due to program delays .....			− 10,000
	Maintain program affordability: SM-3 Block IIA excess cost growth .....			− 25,000
82	Ballistic Missile Defense Command and Control, Battle Management and Communication .....	439,617	443,517	+ 3,900
	Program increase: FTG-11 Test acceleration .....			+ 3,900
86	Sea Based X-Band Radar [SBX] .....	68,787	88,787	+ 20,000
	Reliability improvements and maintenance .....			+ 20,000
87	Israeli Cooperative Programs .....	103,835	268,735	+ 164,900
	Israeli Upper tier .....			+ 29,100
	Israeli Arrow Program .....			+ 56,500
	Short range ballistic missile defense .....			+ 79,300
88	Ballistic Missile Defense Test .....	293,441	296,441	+ 3,000
	Tech refresh .....			+ 3,000
89	Ballistic Missile Defense Targets .....	563,576	531,976	− 31,600
	Restoring acquisition accountability: MRBM T3C2 contract award delay .....			− 40,900
	Program increase: FTG-11 Test acceleration .....			+ 9,300
92	Department of Defense Corrosion Program .....	3,893	13,893	+ 10,000
	Program increase .....			+ 10,000
95	Advanced Innovative Technologies .....	844,870	829,870	− 15,000
	Maintain program affordability: Program efficiencies .....			− 15,000
97	Department of Defense (DOD) Unmanned System Common Development .....	3,320	7,320	+ 4,000
	Program increase .....			+ 4,000
105	Improved Homeland Defense Interceptors .....	274,148	249,346	− 24,802
	Restoring acquisition accountability: MD97 FTG-18 RKV flight test unit long lead materials early to need .....			− 4,000
	Restoring acquisition accountability: MD97 C3 booster lack of requirements and acquisition strategy .....			− 20,802
108	Ballistic Missile Defense Sensor Test .....	83,250	88,150	+ 4,900
	Program increase: FTG-11 Test acceleration .....			+ 4,900
111	Ballistic Missile Defense Midcourse Segment Test .....	56,481	62,781	+ 6,300
	Program increase: FTG-11 Test acceleration .....			+ 6,300
112	Multi-Object Kill Vehicle .....	71,513		− 71,513
	Transfer MOKV to line 40 .....			− 71,513
117	Prompt Global Strike Capability Development .....	181,303	101,303	− 80,000
	Maintain program affordability: Rephase due to schedule slip .....			− 80,000
118	Chemical and Biological Defense Program—EMD .....	266,231	281,231	+ 15,000
	Program increase: Chemical Weapon detection .....			+ 15,000
131	Defense-Wide Electronic Procurement Capabilities .....	9,881	8,681	− 1,200
	Improving funds management: Prior year carryover .....			− 1,200
135	Joint Systems Architecture Development .....	4,499	3,099	− 1,400
	Improving funds management: Prior year carryover .....			− 1,400
138	Mission Support .....	69,244	63,044	− 6,200
	Improving funds management: Prior year carryover .....			− 6,200
139	Joint Mission Environment Test Capability [JMETC] .....	87,080	42,080	− 45,000
	Maintain program affordability: Eliminate program growth .....			− 45,000
140	Technical Studies, Support and Analysis .....	23,069	21,469	− 1,600
	Improving funds management: Prior year carryover .....			− 1,600
143	Classified Program USD(P) .....		130,000	+ 130,000
	Classified Adjustment .....			+ 130,000
145	Studies and Analysis Support—OSD .....	3,797	2,797	− 1,000
	Maintain program affordability: Eliminate program growth .....			− 1,000
159	Defense Technology Analysis .....	22,650	25,650	+ 3,000
	Program increase .....			+ 3,000
161	R&D in Support of DOD Enlistment, Testing and Evaluation .....	22,240	15,240	− 7,000
	Maintain program affordability: Eliminate program growth .....			− 7,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
167	Joint Staff Analytical Support .....	7,464	5,464	-2,000
	Improving funds management: Prior year carryover .....			-2,000
173	Cyber Intelligence .....	18,523	13,523	-5,000
	Maintain program affordability: Eliminate program growth .....			-5,000
176	Management HQ—MDA .....	31,160	56,160	+25,000
	Cyber training and enhancements .....			+25,000
181	Enterprise Security System [ESS] .....	4,241	3,541	-700
	Improving funds management: Prior year carryover .....			-700
184	Industrial Base Analysis and Sustainment Support .....	16,195	31,195	+15,000
	Program increase: National security technology accelerator .....			+15,000
192	Joint/Allied Coalition Information Sharing .....	5,935	5,509	-426
	Improving funds management: Prior year carryover .....			-426
204	Global Command and Control System .....	24,438	21,438	-3,000
	Maintain program affordability: Eliminate program growth .....			-3,000
220	Policy R&D Programs .....	6,204	3,204	-3,000
	Improving funds management: Prior year carryover .....			-3,000
230	Homeland Defense Technology Transfer Program .....	2,037	7,037	+5,000
	Program increase .....			+5,000
236	Intelligence Mission Data [IMD] .....	13,800		-13,800
	Program Termination .....			-13,800
244	Aviation Systems .....	159,143	151,453	-7,690
	Maintain program affordability: RF Countermeasures MSB slip 6 months, excess test money .....			-6,800
	Improving funds management: Prior year carryover for Special Operation mission planning environment .....			-890
245	Intelligence Systems Development .....	7,958	5,958	-2,000
	Maintain program affordability: Contract award delay .....			-2,000
246	Operational Enhancements .....	64,895	54,895	-10,000
	Improving funds management: Prior year carryover .....			-10,000
247	Warrior Systems .....	44,885	59,885	+15,000
	Program increase .....			+12,000
	Program increase: Visual augmentation devices .....			+3,000
	Classified Programs .....	3,270,515	3,219,015	-51,500
	Classified Adjustment .....			-51,500

*Quantum Computing.*—The Committee is aware of the National Institute of Standards and Technology [NIST] report on quantum computing technology. Additionally, the Committee is conscious of the work done by the Defense Advanced Research Projects Agency [DARPA] in the Quantum Information Science and Technology [QuIST] program to establish the first quantum key distribution network. The Committee believes more research and development by our defense national research organizations is warranted. The Committee encourages the Director of DARPA and the Secretary of Defense to work with the research labs to implement a university-based cybersecurity laboratory and photonics foundry with close involvement with industry partners, State government and the Federal Government to continue development of quantum computing capability.

*High Energy Laser.*—The Committee is concerned with the funding levels for the primary test and evaluation facility for high energy laser [HEL] systems across the Department of Defense. With directed energy interest and work increasing in the third offset strategy, the Committee recommends the Department review the funding levels, identify, and correct shortfalls as necessary.

*Defense Innovation Unit-Experimental office [DIUX].*—The Committee recommends \$28,000,000 for the Defense Technology Inno-

vation program to strengthen and build relationships with Silicon Valley technology firms with expertise in technology innovation. The Committee understands this is a high priority program for the Secretary of Defense. In order to insure visibility and transparency of the execution of these funds, the Committee requests quarterly updates on the Defense Innovation Unit-Experimental office and their efforts in leveraging innovation for the Department of Defense.

*Manufacturing Technology Program.*—The Committee understands that metal castings play a significant role in ensuring Warfighter preparedness and that investment is needed in castings technology to maintain technological superiority in this advanced manufacturing industry. Therefore, the Committee recommends an additional \$10,000,000 to support this program.

*Cloud-based Information Technology Solutions.*—The Committee is encouraged by the Department Chief Information Officer's decision to pursue commercial, cloud-based solutions and systems. However, the Department of Defense Inspector General report (Report No. DODIG-2016-038) identified several concerns. The Committee directs the Department Chief Information Officer to complete a report and submit it to the congressional defense committees 120 days after enactment of this act. This report shall include current plans for the expansion of commercial cloud computing to leverage paying for only the services consumed, plans for developing security guidelines that encourage partnerships with commercial cloud providers, any factors delaying or inhibiting the expansion of commercial cloud computing usage, and the cost savings achieved in fiscal year 2016 by the utilization of commercial cloud computing services.

*Conventional Prompt Global Strike.*—The Committee supports the Department of Defense program to develop and demonstrate technologies that advance the conventional prompt global strike capability. The Committee is aware of ongoing test review efforts and understands that the Department of Defense plans to complete additional testing in the near term. The Committee further notes that Congress has appropriated \$1,073,276,000 through fiscal year 2016 and the Committee recommends \$101,303,000 in fiscal year 2017, a \$12,643,000 increase above fiscal year 2016 enacted amounts. The Committee encourages the Department of Defense to maintain the currently programmed funding profile of \$881,620,000 from fiscal years 2018 through 2020, given the strategic importance of the program, and urges the Department of Defense to finalize manufacturing and testing of the hypersonic glide body and booster.

*Trusted Microelectronics Development and Support.*—The Committee is concerned with maintaining supply chain assurance against counterfeit parts and ensuring ready access to trusted microelectronics. In April 2016, the Department of Defense and Global Foundries agreed to a 3-year procurement strategy for trusted parts; the Committee does not have confidence in the long-term roadmap to establish a future trusted microelectronics solution. While the fiscal year 2017 budget request includes \$47,800,000 to establish a new trust approach in this arena, the Committee is concerned with this insufficient level of funding and the time needed to validate potential solutions. Therefore, the Committee directs

the Secretary of Defense to provide a quarterly updates on efforts to maintain a trusted microelectronics capability within the United States.

*Unmanned Aircraft System [UAS] Common Development.*—The Committee notes the designation by the Federal Aviation Administration [FAA] of the UAS national test sites and selection of the FAA UAS Center of Excellence to expand the use of UAS in the National Airspace System [NAS]. The Committee recognizes that research activities will lead to policies and standards governing future domestic UAS operations, including Department of Defense operations. The Committee recommends an additional \$4,000,000 for Unmanned Aircraft System Common Development and urges the Secretary of Defense to coordinate with the Administrator of Federal Aviation Administration in the development and demonstration of common UAS standards, architectures and technologies to ensure a consistent, nationwide approach to airspace integration across both civil and public sectors.

*Department of Defense Small Business Innovation Research [SBIR].*—The Committee recognizes the importance of the Small Business Innovation Research [SBIR] program and its success in commercialization from federally funded research and development projects. The SBIR program creates opportunities for domestic small businesses to engage in Federal research and development in an effort to create new jobs and markets for advanced technologies. The Committee encourages the Department of Defense to continue placing an increased focus on firms new to the SBIR program and those companies that employ fewer than 50 people. The Committee also believes that SBIR should provide resources to assist these firms, especially in the area of government contracting and business accounting. The Committee believes the Department of the Navy's SBIR program is a successful model, especially the Navy Program Executive Office Submarine, which could be used as a benchmark for SBIRs programs across the Department of Defense enterprise.

*Office of Personnel Management [OPM] Breach.*—The Committee supports the Department of Defense's request of \$75,000,000 for the Federal Investigative Services Information Technology program to develop a new database to respond to the theft of Federal workers personal data as a result of the security breach at OPM. The Committee encourages the Secretary of Defense to invest in a new Background Investigation Information Technology System to ensure that the privacy and personal data of Federal employees is protected from current and future vulnerabilities. The Committee directs the Secretary of Defense to provide quarterly updates on the future technology development program and its follow on acquisition effort.

*Sustained-Release Drug Delivery.*—The Committee is aware of ongoing efforts to develop technologies to enable ultra-long acting pharmacokinetics to respond to threats and improve individual readiness and total force health protection. The Committee encourages the Defense Advanced Research Projects Agency [DARPA] to prioritize research into delivery systems to increase access to treatment though the development of long-acting oral therapies to improve healthcare access, delivery, and outcomes. A system that

could administer therapies once monthly to once every 6 months would greatly improve patient adherence and optimize the pharmacokinetics of therapies currently provided once or more per day. Oral long-acting therapies are particularly advantageous in resource-constrained environments and likely to include significant operational, logistics, and cost benefits.

*Cybersecurity Research Automated Cyber Exploitation and Defense.*—The Committee is concerned that current approaches to identify cybersecurity vulnerabilities in software and systems are largely manual, slow and costly, and leave our military and intelligence systems at risk. The Committee recognizes the value of automated exploit generation and vulnerability identification technologies for rapidly identifying security-critical vulnerabilities in off-the-shelf systems, such as those exemplified in the Cyber Grand Challenge. Therefore, the Committee directs funding within the Cyber Security Research program to support research in automated exploit generation, exploit hardening, and vulnerability identification capabilities of systems when source code is not available, and to focus on implementation, integration, and software tooling.

*Secure Networks of Systems.*—The Committee recognizes that the Department's aircraft, ships, submarines, vehicles, and energy systems are computer-networked systems of systems that are increasingly autonomous in these complex systems. Every piece of software, hardware, and network is a potential cybersecurity attack point. The Committee notes that attackers will target all components to achieve their objective, and that effective defenses require interdisciplinary expertise in cybersecurity offense and defense in hardware, software, networks, and autonomous systems covering both traditional computing devices and cyber-physical systems that interact with the physical world. Therefore, the Committee directs the Secretary of Defense to use funds previously appropriated in the Department of Defense Appropriations Act, 2016 (Public Law 114–113) within the Defense Technology Analysis program to support institutions with strong cybersecurity, cyber-physical, and networks of systems research programs that will develop methods to identify vulnerabilities in large networked systems, rapidly prototype and build security prototypes and tools, and with institutional capabilities to transfer basic research into Department of Defense mission areas and platforms.

*Cyber Data Protection.*—As a result of the recent OPM breach, the Committee is concerned with threats accessing classified data and personally identifiable information [PII]. The Committee is concerned that traditional network defense actions are insufficient to protect data assets from unauthorized or malicious access, manipulation, destruction, and exfiltration. Therefore, the Committee directs the Secretary of Defense to undertake a comprehensive review of classified systems and systems that have PII information, and validate that protection measures are in place to insure data integrity and appropriate access. The review should include an examination of measures to defeat deletion and exfiltration. Not more than 30 days after completing the review, the Secretary of Defense shall report to the congressional defense committees on the findings.

*Third Offset and Federally Funded Research and Development Centers.*—The Committee recognizes that many government Federally Funded Research and Development Centers [FFRDCs] are developing cutting-edge technology that could be used for defense purposes in support of the Secretary of Defense’s Third Offset Strategy. The research and development investments being conducted by many FFRDCs, including the national security labs, are often classified or include contract work with small businesses that are accustomed to working with the Department of Defense and other government agencies. As the Department of Defense works to support the acceleration of the fielding or commercialization of offset technologies to counter the technological advantage of potential adversaries, the Committee urges the Department of Defense to include FFRDCs in its offset strategy and to commit to increased partnerships with FFRDCs and the small businesses which support them.

*Robotic Servicing of Geostationary Satellites.*—The Committee supports the Defense Advanced Research Project Agency’s [DARPA] efforts to work with industry to develop and demonstrate robotic satellite servicing technologies in geostationary orbit. DARPA’s work is complementary to the National Aeronautics and Space Administration [NASA] Restore-L mission to demonstrate robotic satellite servicing in low Earth orbit [LEO]. NASA’s Restore-L and DARPA’s planned Robotic Servicing of Geostationary Satellites [RSGS] will both demonstrate key technologies and enable a commercially provided sustained servicing capability to inspect, repair, relocate and add payloads to satellites. The Committee is hopeful that NASA’s Restore-L, RSGS and the subsequent commercial partners will foster a more capable and resilient space architecture for the U.S. Government and U.S. commercial satellite industry.

#### MISSILE DEFENSE AGENCY

*Integrated Master Test Plan.*—The fiscal year 2017 President’s budget request includes \$1,232,784,000 for Missile Defense Agency [MDA] test events, an increase of \$82,526,000 over amounts enacted in fiscal year 2016. The Committee recognizes the importance of a fully integrated test program to MDA’s mission and continues to support a robust test program to credibly demonstrate and validate the ballistic missile defense system performance. Therefore, the Committee is concerned by MDA’s proposal to defer the operational test for the Ground-based Midcourse Defense System until fiscal year 2018, and recommends an additional \$24,400,000 to accelerate that flight test, FTG–11, into fiscal year 2017, as previously planned.

Further, the Committee is concerned by the continued volatility in MDA’s test schedule, and the discrepancies between planned and actually executed test events. The Committee understands that numerous factors can impact the execution of test events in any given year, but strongly believes that a stronger synchronization between allocation of budgetary resources and management of the test plan would lead to greater stability, demonstrated performance and cost savings. The Committee notes that 3 months after submission of the fiscal year 2017 President’s budget, the final Integrated Master



Test Plan had not been approved. The Committee directs that not more than 75 percent for funds requested for testing in fiscal year 2017 may be obligated or expended until the Director, Missile Defense Agency, in conjunction with the Director, Operational Test and Evaluation, submits a plan to the congressional defense committees delineating steps to ensure greater synchronization between the budget and the Integrated Master Test Plan.

*Redesigned Kill Vehicle [RKV].*—The fiscal year 2017 President's budget request includes \$181,900,000 for continued development of the Redesigned Kill Vehicle. The Committee recommends full funding of this request and notes its previous strong support for this program. The Committee notes that with submission of the fiscal year 2017 President's budget, the Missile Defense Agency [MDA] changed its acquisition strategy for the RKV from a deliberately sequenced acquisition using research and development and procurement funding to a schedule-driven acquisition using only research and development funding and incremental funding authorities. Based on past experience, the Committee has significant concerns with this approach as it eschews best acquisition practices and relinquishes transparency, auditability, accountability, and affordability for the sake of expedience.

In addition, the Committee notes MDA's stated intent to compete follow-on production of the RKV, but questions MDA's ability to do so given the significant number of RKVs MDA plans to award with existing contract vehicles, to include seven Inert Operating Kill Vehicles, three test articles, and eight initial production RKVs. The Committee notes that the purpose of initial production is to establish an initial production base for a system and to provide an efficient ramp to full rate production, and is concerned that the RKV acquisition strategy jeopardizes this by delaying the transition to full rate production through competition.

The Committee supports the development of seven Inert Operating Kill Vehicles, three test articles and no more than four initial production RKVs, consistent with previously established thresholds for initial production. The Committee does not support the use of research and development funds for additional RKV production rounds. To support transition to competition for the RKV, the Committee recommends \$50,000,000 in Procurement, Defense-wide above the budget request only for RKV advanced procurement and expects MDA to program procurement funds for RKV production accordingly.

*Directed Energy.*—The fiscal year 2017 President's budget request includes \$23,744,000 for the competitive development of two prototype airborne laser demonstrator platforms with a flight demonstration planned by fiscal year 2020. The Committee notes the potential ability of directed energy concepts to augment the kinetic capability of the ballistic missile defense system and recommends full funding for this effort. However, the Committee is aware of the size, weight and power challenges of integrating a laser onto an airborne platform, as well as of questions surrounding the concept of operations of such a platform. Therefore, the Committee directs that funds be limited to this demonstrator effort only, and that no funds may be obligated or expended for follow-on development efforts or programs.

*SM-3 Block IIA Interceptor.*—The fiscal year 2017 President’s budget request includes \$254,700,000 for the continued manufacturing of seventeen SM-3 Block IIA interceptors as well as \$213,300,000 for continued SM-3 Block IIA development and \$106,038,000 for SM-3 Block IIA co-development with the Government of Japan. The Committee notes that since the previous budget request, programmed costs for manufacturing of the initial SM-3 Block IIA interceptors have increased 40 percent and costs for SM-3 Block IIA development have increased 29 percent. Further, delivery of SM-3 Block IIA interceptors has been delayed by over three fiscal quarters, resulting in at least one missed flight test.

As previously stated in Senate Report 114-63 and in Senate Report 113-211, the Committee has grave reservations with MDA’s acquisition approach for SM-3 Block IIA interceptors and its inability to control costs for this program, which are in direct contradiction to MDA’s stated goals of “getting ahead of the cost curve,” as the Director, MDA testified before the Committee. The Committee recognizes the importance of the SM-3 Block IIA to the European Phased Adaptive Approach and continues to support the program; however, the Committee believes that greater acquisition rigor is required to contain program costs and manage the industrial base, which produces the SM-3 Block IIA interceptor concurrently with the SM-3 Block IB interceptor. Therefore, the Committee directs the Director, Missile Defense Agency, in coordination with the Assistant Secretary of the Navy (Research, Development and Acquisition), to provide with the fiscal year 2018 President’s budget request an acquisition objective for the SM-3 Block IB and Block IIA programs, as well as a report on steps taken by MDA and the Department of the Navy to control costs while improving program performance.

*Availability of Solid Rocket Motors for Testing.*—The Committee notes the Missile Defense Agency’s reliance on solid rocket motors [SRM] for target vehicles used in tests and is concerned with potential cost increases for these motors. Therefore, the Committee directs the Assistant Secretary of the Air Force (Acquisition) in conjunction with the Director, Missile Defense Agency [MDA], to provide a report to the congressional defense committees, not later than 90 days after enactment of this act, detailing costs of refurbished strategic solid rocket motors for MDA target vehicles and evaluating options to control costs. The report should include an evaluation of the potential development of a modern first stage solid rocket motor for use in these targets and disclose whether such a development could lower the cost of future target vehicles, strengthen the strategic SRM industrial base and reduce risk in the Ground-Based Strategic Deterrent program.

#### OPERATIONAL TEST AND EVALUATION, DEFENSE

Appropriations, 2016 .....	\$188,558,000
Budget estimate, 2017 .....	178,994,000
Committee recommendation .....	186,994,000

The Committee recommends an appropriation of \$186,994,000. This is \$8,000,000 above the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	RDT&E Management Support			
1	Operational Test and Evaluation .....	78,047	78,047	
2	Live Fire Test and Evaluation .....	48,316	48,316	
3	Operational Test Activities and Analyses .....	52,631	60,631	+ 8,000
	Program increase: Threat resource analysis .....			+ 8,000
	Total, Operational Test and Evaluation, Defense .....	178,994	186,994	+ 8,000

TITLE V  
 REVOLVING AND MANAGEMENT FUNDS  
 DEFENSE WORKING CAPITAL FUNDS

Appropriations, 2016 ..... \$1,738,768,000  
 Budget estimate, 2017 ..... 1,371,613,000  
 Committee recommendation ..... 1,561,613,000

The Committee recommends an appropriation of \$1,561,613,000. This is \$190,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Item	2017 budget estimate	Committee recommendation	Change from budget estimate
Supply Management .....	56,469	56,469	.....
Arsenal Initiative .....	.....	140,000	+ 140,000
Total, Defense Working Capital Fund, Army .....	56,469	196,469	+ 140,000
Supplies and Materials .....	63,967	63,967	.....
Total, Defense Working Capital Fund, Air Force .....	63,967	63,967	.....
Defense Logistics Agency .....	37,132	37,132	.....
Total, Defense Working Capital Fund, Defense-wide .....	37,132	37,132	.....
Commissary Operations .....	1,214,045	1,264,045	+ 50,000
Commissary Increase .....	.....	.....	+ 50,000
Total, Defense Working Capital Fund, Defense-wide, DECA .....	1,214,045	1,264,045	+ 50,000
Grand Total, Defense Working Capital Funds .....	1,371,613	1,561,613	+ 190,000

*Meals Ready-to-Eat.*—The Committee recommends full funding for the Defense Logistics Agency’s request of 2.5 million cases of Meals Ready to Eat and reaffirms its support for the War Reserve stock objective of 5.0 million cases and the minimum sustainment rate for the industrial base.

*Commissary Funding.*—The Committee recognizes the significant and lasting benefits that commissaries provide in support of servicemembers and their families. Commissaries help promote healthy base communities by guaranteeing access to fresh foods, including fruits and vegetables, at low prices to military families. Better nutrition and food choices are the first steps toward improved health outcomes and lower healthcare costs. Commissaries

also help military families stretch their budgets and provide stable employment for servicemembers' families and veterans.

It is understood that the Department of Defense would like to make commissaries more self-sustaining. The Committee supports finding efficiencies to lower the operational cost of commissaries, and is willing to review and consider new ways to administer the commissaries. However, any reduction should not impact hours of service, the number of stores, or savings to customers. The Committee strongly believes that commissaries must be kept open, affordable, and accessible to military families.

NATIONAL DEFENSE SEALIFT FUND

Appropriations, 2016 .....	\$474,164,000
Budget estimate, 2017 .....	
Committee recommendation .....	

The Committee recommends no appropriation for the National Defense Sealift Fund. This is equal to the budget estimate since the Secretary of the Navy realigned funding from this account into Operation and Maintenance, Navy, and Research, Development, Test and Evaluation, Navy in the request.

**TITLE VI**  
**OTHER DEPARTMENT OF DEFENSE PROGRAMS**  
**DEFENSE HEALTH PROGRAM**

Appropriations, 2016 ..... \$32,329,490,000  
 Budget estimate, 2017 ..... 33,467,516,000  
 Committee recommendation ..... 33,989,723,000

The Committee recommends an appropriation of \$33,989,723,000.  
 This is \$522,207,000 above the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

(In thousands of dollars)

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	<b>DEFENSE HEALTH PROGRAM</b>			
	<b>OPERATION AND MAINTENANCE</b>			
10	IN-HOUSE CARE .....	9,240,160	9,168,329	- 71,831
20	PRIVATE SECTOR CARE .....	15,738,759	15,581,371	- 157,388
30	CONSOLIDATED HEALTH SUPPORT .....	2,367,759	2,274,627	- 93,132
40	INFORMATION MANAGEMENT .....	1,743,749	1,743,749	.....
50	MANAGEMENT ACTIVITIES .....	311,380	309,148	- 2,232
60	EDUCATION AND TRAINING .....	743,231	692,341	- 50,890
70	BASE OPERATIONS/COMMUNICATIONS .....	2,086,352	2,079,352	- 7,000
	<b>SUBTOTAL, OPERATION AND MAINTENANCE .....</b>	<b>32,231,390</b>	<b>31,848,917</b>	<b>- 382,473</b>
	<b>PROCUREMENT</b>			
150	INITIAL OUTFITTING .....	20,611	20,611	.....
160	REPLACEMENT AND MODERNIZATION .....	360,727	358,007	- 2,720
180	JOINT OPERATOINAL MEDICINE INFORMATION SYSTEM .....	2,413	2,413	.....
200	DOD HEALTH MANAGEMENT SYSTEM MODERNIZATION .....	29,468	29,468	.....
	<b>SUBTOTAL, PROCUREMENT .....</b>	<b>413,219</b>	<b>410,499</b>	<b>- 2,720</b>
	<b>RESEARCH DEVELOPMENT TEST AND EVALUATION</b>			
80	RESEARCH .....	9,097	9,097	.....
90	EXPLORATORY DEVELOPMENT .....	58,517	58,517	.....
100	ADVANCED DEVELOPMENT .....	221,226	221,226	.....
110	DEMONSTRATION/VALIDATION .....	96,602	96,602	.....
120	ENGINEERING DEVELOPMENT .....	364,057	364,057	.....
130	MANAGEMENT AND SUPPORT .....	58,410	58,410	.....
140	CAPABILITIES ENHANCEMENT .....	14,998	14,998	.....
150	UNDISTRIBUTED MEDICAL RESEARCH .....	.....	907,400	+ 907,400
	<b>SUBTOTAL, RESEARCH DEVELOPMENT TEST AND EVALUATION .....</b>	<b>822,907</b>	<b>1,730,307</b>	<b>+ 907,400</b>
	<b>TOTAL, DEFENSE HEALTH PROGRAM .....</b>	<b>33,467,516</b>	<b>33,989,723</b>	<b>+ 522,207</b>

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Item	2017 budget estimate	Committee recommendation	Change from budget estimate
Operation and Maintenance .....	32,231,390	31,848,917	- 382,473
In-House Care .....	9,240,160	9,168,329	- 71,831
Improving funds management: Overestimation of MTF utilization .....			- 63,200
Improving funds management: Printing and reproduction excess growth .....			- 2,500
Improving funds management: Travel unjustified growth .....			- 6,131
Private Sector Care .....	15,738,759	15,581,371	- 157,388
Improving funds management: Historical underexecution .....			- 157,388
Consolidated Health Care .....	2,367,759	2,274,627	- 93,132
Improving funds management: Historical underexecution .....			- 93,132
Information Management/IT .....	1,743,749	1,743,749	
Management Activities .....	311,380	309,148	- 2,232
Improving funds management: Travel excess growth .....			- 2,232
Education and Training .....	743,231	692,341	- 50,890
Improving funds management: Historical underexecution .....			- 25,517
Budget documentation disparity: HPSP reduction not accounted for .....			- 25,373
Base Operations and Communications .....	2,086,352	2,079,352	- 7,000
Improving funds management: Visual information systems underexecution .....			- 2,000
Improving funds management: Telecommunications contract requirements unjustified growth .....			- 5,000
Procurement .....	413,219	410,499	- 2,720
Restoring acquisition accountability: Excess price growth .....			- 2,720
Research and Development .....	822,907	1,730,307	+ 907,400
Restore core funding reduction .....			+ 225,900
Peer-reviewed breast cancer research .....			+ 120,000
Peer-reviewed cancer research .....			+ 60,000
Peer-reviewed epilepsy research .....			+ 7,500
Peer-reviewed medical research .....			+ 300,000
Peer-reviewed ovarian cancer research .....			+ 10,000
Peer-reviewed prostate cancer research .....			+ 64,000
Peer-reviewed traumatic brain injury and psychological health research .....			+ 60,000
Joint warfighter medical research .....			+ 50,000
Orthotics and prosthetics outcomes research .....			+ 10,000
Total .....	33,467,516	33,989,723	+ 522,207

*Defense Health Program Reprogramming Procedures.*—The Committee remains concerned regarding the transfer of funds from the In-House Care budget sub-activity to pay for contractor-provided medical care. To limit such transfers and improve oversight within the Defense Health Program operation and maintenance account, the Committee includes a provision which caps the funds available for Private Sector Care under the TRICARE program subject to prior approval reprogramming procedures. The provision and accompanying report language should not be interpreted by the Department as limiting the amount of funds that may be transferred to the Direct Care System from other budget activities within the Defense Health Program. In addition, the Committee continues to designate the funding for the In-House Care budget sub-activity as a special interest item. Any transfer of funds from the In-House Care budget sub-activity into the Private Sector Care budget sub-

activity or any other budget sub-activity will require the Secretary of Defense to follow prior approval reprogramming procedures for operation and maintenance funds.

The Committee directs the Secretary of Defense to provide written notification to the congressional defense committees of cumulative transfers in excess of \$10,000,000 out of the Private Sector Care budget sub-activity not later than fifteen days after such a transfer. The Committee further directs the Assistant Secretary of Defense (Health Affairs) to provide quarterly reports to the congressional defense committees on budget execution data for all of the Defense Health Program budget activities and to adequately reflect changes to the budget activities requested by the services in future budget submissions.

*Carryover.*—For fiscal year 2017, the Committee recommends 1 percent carryover authority for the operation and maintenance account of the Defense Health Program. The Committee directs the Assistant Secretary of Defense (Health Affairs) to submit a detailed spending plan for any fiscal year 2016 designated carryover funds to the congressional defense committees not less than 30 days prior to executing the carryover funds.

*Electronic Health Record.*—The Committee remains concerned about the progress being made by the Departments of Defense and Veterans Affairs to develop fully interoperable electronic health records. The ultimate goal of the efforts of both Departments is to have systems that can exchange data in a meaningful way and be used in a dynamic environment to improve patient care and facilitate smoother transitions for servicemembers from military service to veteran status.

The Committee appreciates the Department's improvements in providing information on prior year budgets and expenditures on its electronic health record as well as an equivalent level of detail for the fiscal year 2017 budget request. The Committee directs the Program Executive Officer [PEO] for the Defense Healthcare Management Systems Modernization [DHMSM] program to provide quarterly reports to the congressional defense committees and the Government Accountability Office on the cost and schedule of the program, to include milestones, knowledge points, and acquisition timelines, as well as quarterly obligation reports. These reports should also include the following: (1) any changes to the deployment timeline, including benchmarks, for full operating capability; (2) any refinements to the cost estimate for full operating capability and the total life cycle cost of the project; (3) an assurance that the acquisition strategy will comply with the acquisition rules, requirements, guidelines, and systems acquisition management practices of the Federal Government; (4) the status of the effort to achieve interoperability between the electronic health record systems of the Department of Defense and the Department of Veterans Affairs, including the scope, cost, schedule, mapping to health data standards, and performance benchmarks of the interoperable record; and (6) the progress toward developing, implementing, and fielding the interoperable electronic health record throughout the two Departments' medical facilities. The Committee further directs the PEO DHMSM to continue briefing the House and Senate Defense Appropriations Subcommittees on a quarterly basis, coinciding with the



report submission. Given that full deployment of the new electronic health record is not scheduled until fiscal year 2022, the Committee expects the Department to continue working on interim modifications and enhancements to the current system to improve interoperability in the short-term.

The Committee also directs the Department of Defense to provide written notification to the Committees on Appropriations of the House and Senate prior to obligating any contract or combination of contracts in excess of \$5,000,000.

Finally, the Committee directs the Interagency Program Office to continue to provide quarterly briefings to the House and Senate Subcommittees on Appropriations for Defense and Military Construction, Veterans Affairs, and Related Agencies regarding standards development, how those standards are being incorporated by both DOD and VA and the progress of interoperability between the two Departments. In an effort to ensure government-wide accountability, the Committee also directs the DOD in coordination with the VA to provide the Federal Chief Information Officer of the United States with monthly updates on progress made by the two Departments to reach interoperability and modernize their respective electronic health records.

*Traumatic Brain Injury [TBI]/Psychological Health.*—The Committee recommends \$60,000,000 above the fiscal year 2017 budget request for continued research into treatment, prevention, and detection of traumatic brain injuries and improved psychological health. The Committee directs the Assistant Secretary of Defense (Health Affairs) to submit a report to the congressional defense committees within 180 days of enactment of this act on expenditure and obligation data of additional funding added by Congress for psychological health and traumatic brain injury. This report should include information on agreements made with other government agencies.

Additionally, the Committee is aware of recent medical advances in drug development for neurodegenerative diseases and encourages the Department to further its research into developing drugs that reverse, halt, or slow the neurodegenerative process associated with traumatic brain injury. The Committee is also aware of advances in diagnostic and mapping tools developed to better understand the cellular extent of TBI. These advances could lead to more effective protective gear that minimizes or eliminates the damage associated with TBI, and the Committee encourages the Department to continue its research in these areas.

*Peer-Reviewed Medical Research Program.*—The Committee recommends \$300,000,000 for the Peer-Reviewed Medical Research Program. The Committee directs the Secretary of Defense, in conjunction with the Service Surgeons General, to select medical research projects of clear scientific merit and direct relevance to military health. Research areas considered under this funding are restricted to: acute lung injury, amyotrophic lateral sclerosis, antimicrobial resistance, arthritis, autism, burn pit exposure, chronic migraine and post-traumatic headache, congenital heart disease, constrictive bronchiolitis, diabetes, diarrheal diseases, dystonia, early trauma thermal regulation, eating disorders, emerging infectious diseases, focal segmental glomerulosclerosis, Fragile X,

Guillain-Barré syndrome, gulf war illness, hearing restoration, hepatitis B and C, hereditary angioedema, hydrocephalus, immunomonitoring of intestinal implants, inflammatory bowel diseases, influenza, integrative medicine, interstitial cystitis, malaria, metals toxicology, mitochondrial disease, multiple sclerosis, musculoskeletal disorders, nanomaterials for bone regeneration, neurofibromatosis, non-opioid pain management, orthopedics, pancreatitis, Parkinson's, pathogen-inactivated dried cryoprecipitate, polycystic kidney disease, post-traumatic osteoarthritis, pulmonary fibrosis, reconstructive transplantation, respiratory health, Rett syndrome, rheumatoid arthritis, scleroderma, sleep disorders, spinal cord injury, spinal muscular atrophy, sustained-release drug delivery, tinnitus, tuberculosis, tuberous sclerosis complex, vaccine development for infectious disease, vascular malformations, vision, and women's heart disease. The Committee emphasizes that the additional funding provided under the Peer-Reviewed Medical Research Program shall be devoted only to the purposes listed above.

*Joint Warfighter Medical Research Program.*—The Committee recommends \$50,000,000 for the Joint Warfighter Medical Research Program. Funds shall be used to augment and accelerate high priority Department of Defense and service medical requirements and to continue prior year initiatives that are close to achieving their objectives and yielding a benefit to military medicine. These funds shall not be used for new projects or basic research, and they shall be awarded at the discretion of the Secretary of Defense following a review of medical research and development gaps, as well as unfinanced medical requirements of the services. Further, the Committee directs the Assistant Secretary of Defense (Health Affairs) to provide a report not later than 180 days after the enactment of this act to the congressional defense committees, which lists the projects that receive funding. The report should include the funding amount awarded to each project, a thorough description of each project's research, and the benefit the research, will provide to the Department of Defense.

*Peer-Reviewed Cancer Research Programs.*—The Committee recommends \$120,000,000 for the peer-reviewed breast cancer research program, \$64,000,000 for the peer-reviewed prostate cancer research program, \$10,000,000 for the peer-reviewed ovarian cancer research program, and \$60,000,000 for the peer-reviewed cancer research program that would research cancers not addressed in the aforementioned programs currently executed by the Department of Defense.

The funds provided in the peer-reviewed cancer research program are directed to be used to conduct research in the following areas: brain cancer, colorectal cancer, immunotherapy, kidney cancer, listeria-based regimens for cancer, liver cancer, melanoma, mesothelioma, neuroblastoma, pancreatic cancer, pediatric brain tumors, and stomach cancer.

The funds provided under the peer-reviewed cancer research program shall be used only for the purposes listed above. The Committee directs the Assistant Secretary of Defense (Health Affairs) to provide a report not later than 180 days after the enactment of this act to the congressional defense committees on the status of the peer-reviewed cancer research program. For each research

area, the report should include the funding amount awarded, the progress of the research, and the relevance of the research to servicemembers.

The Committee commends the Department for ensuring that projects funded through the various peer-reviewed cancer research programs maintain a focus on issues of significance to military populations and the warfighter. This includes promoting collaborative research proposals between Department of Defense researchers and non-military research institutions. These collaborations leverage the knowledge, infrastructure, and access to clinical populations that the partners bring to the research effort. Additionally, promoting these collaborations provides a valuable recruitment and retention incentive for military medical and research personnel. The Committee encourages the Department to emphasize the importance of these collaborations between military and non-military researchers throughout the peer-review process.

*Collaboration on Cancer Research.*—The Committee recognizes that the close cooperation between the John P. Murtha Cancer Center at Walter Reed National Military Medical Center and the Assistant Secretary of Defense (Health Affairs) has enabled partnerships which allow access to cancer tissue repositories and shareable data to improve the treatment and outcomes of patients in the military health system. These partnerships will further advance research through the enhanced use of patient data derived from large patient studies that include long-term health records, specimen repositories and collaborations involving major academic cancer centers. The Committee strongly encourages increased support to allow for rapid enrollment of patients and collaboration on research initiatives toward the goal of enhanced cancer treatment for all service members and their families.

*Orthotics and Prosthetics Outcomes Research.*—The Committee recommends \$10,000,000 in support of orthotics and prosthetics outcomes research. The focus of this research should be on outcomes-based best practices through analysis of the merits of clinical options currently available, not on the development or improvement of new and existing technology. The Committee directs the Assistant Secretary of Defense (Health Affairs) to provide a report not later than 180 days after the enactment of this act to the congressional defense committees on the peer-reviewed projects that receive funding. The report should include the funding amount awarded to each project and the anticipated effect on patient care.

*Advanced Orthopedic Surgical Training.*—The Committee encourages the Department of Defense to provide advanced surgical training in arthroscopic techniques from within appropriated funds. The Defense Health Agency is encouraged to partner with medical professional societies that maintain best practices relating to orthopedic procedures, including orthopedic training protocols and learning centers.

*Collaboration on Medical Research.*—The Committee understands that the Department is continuing to work with the National Institutes of Health [NIH] on furthering a pilot program to share Department of Defense research data into Federal Research Portfolio Online Reporting Tools Expenditures and Results [REPORTER]. The Committee continues to support this effort to share

medical research data across Federal agencies and encourages the Department to require its use across the services to ensure all Department research data is entered into Federal RePORTER. Additionally, the Department should provide appropriate resources, both in amount and type of appropriation, in future budget submissions to carry out this effort.

In fiscal year 2015, the Committee directed the Department to contract with the Institute of Medicine to evaluate the Congressionally Directed Medical Research Program and provide a report to the congressional defense committees within 12 months. This report will include an evaluation of the Congressionally Directed Medical Research Program's two-tiered peer review process, its coordination of research priorities with NIH and recommendations for how the process can be improved. The Committee is aware that work on this report is ongoing and looks forward to receiving the report as part of its efforts to continue to ensure that government investments in medical research are maximized.

*Mental Health Professionals.*—The Committee recognizes that servicemembers and their families face unique stresses beyond those of everyday life. After over a decade of war, the need for mental health professionals in the Department is at an all-time high, and the Committee believes that every beneficiary of the Military Health System should have timely access to mental health services. However, the Committee is concerned with the Department's inability to recruit and retain enough psychiatrists, psychologists, social workers, nurse practitioners, and registered nurses to provide adequate mental healthcare.

The Government Accountability Office [GAO] review of this issue found that progress is being made regarding the annual reporting of mental health professional staffing needs. However, GAO also noted that the services need to accurately report any additional measures used to supplement the Psychological Health Risk-Adjusted Model for Staffing [PHRAMS] as well as report their PHRAMS-generated estimates in the requirements fields of the Defense Health Agency's [DHA] quarterly mental health staffing reports.

The Committee encourages the Assistant Secretary of Defense (Health Affairs), the Director of the Defense Health Agency, and the Service Surgeons General to continue to work together to ensure annual estimates of mental health professionals meet the needs of all beneficiaries in the military health system. In addition, the Assistant Secretary of Defense (Health Affairs) is directed to prepare as part of DHA's fiscal year 2018 budget submission a review of these estimates as well as an outline of current challenges in recruiting and retaining mental health professionals by the Department of Defense.

*Brain Tissue Repository.*—The Committee applauds the Department's recent efforts in advancing the study and treatment of traumatic brain injury in servicemembers by partnering with the National Institutes of Health to create the world's first human brain tissue repository for military personnel at the Uniformed Services University of the Health Sciences. In fiscal year 2015, the Committee directed the Assistant Secretary of Defense (Health Affairs) to provide a report outlining strategies for overcoming roadblocks

to post-mortem brain donation in the military. The Committee has received this report and appreciates the progress that the Department is making with Organ Procurement Organizations and the National Disease Research Interchange to increase donations. The Committee encourages the Department to continue these efforts to advance research to improve the protection and care of servicemembers.

*Operation Live Well, Healthy Base Initiative, and Total Force Fitness.*—The Committee understands that there is considerable evidence of an emerging nutrition problem within the Armed Forces. A November 2015 report by the Army Surgeon General, “Health of the Force,” found that nutrition has a direct bearing on readiness. Additionally, a September 2014 report by Mission Readiness, “Retreat is Not an Option,” found that the military spends over \$1,000,000,000 per year to treat weight-related health problems through TRICARE. Another report found that the Navy is losing between \$200,000,000 and \$300,000,000 in annual training investments because sailors fail to pass physical fitness tests.

To address this and other health issues, the Committee has appropriated \$3,000,000 each year since fiscal year 2014 to advance the Department’s Healthy Base Initiative [HBI] pilot program and Total Force Fitness [TFF] Program. These initiatives have shown the potential to dramatically enhance recruitment, retention, readiness and resilience for the entire military community by improving and expanding healthier food offerings across all bases, including mission dining facilities, morale, welfare and recreation programs, exchange food offerings, and commissaries.

Going forward, these efforts will be part of the Operation Live Well program, which has subsumed both HBI and TFF, and will continue its focus on healthy options while paying particular attention to those service personnel and their families living off of military installations. The Committee again recommends an additional \$3,000,000 to support these initiatives. It also notes that the Department has established the Office of the Executive Director, Force Resiliency, within the office of the Under Secretary of Defense for Personnel and Readiness, to oversee these efforts.

*Reconstructive Transplantation.*—Reconstructive transplantation is a rapidly growing discipline that greatly benefits from collaboration among institutions, surgeons, and investigators working to improve the lives of servicemembers who suffer significant injuries due to combat related injuries often caused by improvised explosive devices. The Department’s continued research into reconstructive transplantation will allow surgeons and investigators to refine approaches for hand, face and other vascularized composite tissue allografts including the transplants of skin, muscle, tendon, nerves, bone, and blood vessels. The Committee strongly supports the basic, translational and clinical research needed to improve access to reconstructive transplants and state-of-the-art immunotherapy. The Committee encourages the Department to promote multi-institutional and intra-institutional, multidisciplinary collaborations among clinicians and research scientists to help advance promising ideas in reconstructive composite tissue transplantation into clinical applications.

*Improving Military Medicine's Management of Pain.*—The Committee has supported the Department's efforts to address the needs of servicemembers, especially those that have served multiple times in Iraq and Afghanistan, who are living with chronic pain related to military service and deployments. The Committee has previously supported the Department's strengthening of the Uniformed Services University of the Health Sciences' Defense and Veterans Center for Integrative Pain Management [DVCIPM] as the proponent for consensus recommendations for Department-wide improvements in pain medicine policies, practice, education, and research. The DVCIPM is also responsible for addressing the recommendations of the Army Pain Management Task Force for state of the art science modalities and technologies to address acute and chronic pain of service members and other patients. The Committee acknowledges the work that has been accomplished by the DVCIPM and encourages continued investment in these vital efforts.

*Global Health.*—The Committee recognizes the critical contribution that the Department of Defense research and development [R&D] portfolio makes in protecting servicemembers from infectious diseases they may encounter on missions around the world and the need to sustain and support U.S. investment in this area by fully funding R&D programs that carry out this work within the Department of Defense Health Program, Department of the Army and Department of the Navy Research, Development, Test and Evaluation budgets.

*Medical Defense Against Infectious Disease.*—The Committee recognizes the importance of prevention and treatment of naturally occurring infectious diseases and tropical infectious diseases, such as malaria, Dengue, and Chikungunya viruses. These diseases pose a significant threat to the strategic access and operational effectiveness of forces deployed outside the United States. The Committee is concerned with the Department's decisions over recent years to precipitously decrease funding for malaria research and encourages the Department to address these diseases of military importance and invest in research for chemoprophylaxis, surveillance, novel approaches to vaccine development, and other countermeasures. The Committee urges the Department to partner with colleges and universities that have strong research programs in infectious diseases, as well as other Federal agencies, foreign governments, international agencies, and nonprofit organizations to mitigate duplication of effort and maximize the use of Department resources.

Additionally, several emerging infectious diseases have taken the global community by surprise over the last few decades, including SARS, H1N1, Ebola, and Zika. Disease surveillance, rapid detection, outbreak response, and epidemiology are essential to providing an early warning of emerging infectious disease threats to servicemembers abroad and global health security in general. The Committee recommends \$225,900,000 for core Defense Health Program research and encourages the Department to continue its investments in neglected and infectious diseases.

*Trauma Clinical Research Network.*—The Committee acknowledges that the last 15 years of war in Afghanistan and Iraq have enabled the U.S. military to learn vital lessons in combat casualty

care. The Committee encourages the Assistant Secretary of Defense (Health Affairs), the Director of the Defense Health Agency, and the Commander of the U.S. Army Institute of Surgical Research to work with other Federal agencies focused on tactical combat casualty care [TCCC]. TCCC has become the gold standard in combat care and has achieved the best casualty outcomes in the history of modern warfare. It is imperative that we sustain these advances and ensure that lessons learned are being incorporated into best practice trauma care guidelines throughout the military. The Committee encourages the Department to ensure that military advances in combat casualty care are rapidly, uniformly, and permanently implemented throughout the U.S. military. Further, the Committee encourages the Department to continue allocating sufficient resources for these efforts in future budget submissions.

*Warfighter Respiratory Health.*—The Committee understands that respiratory diseases affect more than 100,000 servicemembers each year and is concerned about respiratory ailments among deployed and returning servicemembers. Beyond the decreased quality of life for affected servicemembers, respiratory diseases result in almost 27,000 lost workdays per year. The Committee encourages the Department to provide adequate resources for research on respiratory health.

*Epilepsy Research.*—The Committee is concerned about the large number of service men and women returning from combat zones who have sustained traumatic brain injuries [TBI] and the long term consequences of TBI. These wounded warriors are at high risk for developing post-traumatic epilepsy, depression, cognitive difficulties, and post-traumatic stress disorder, which may be interconnected. As current TBI longitudinal studies have not included epilepsy, the Committee encourages the Department to place greater priority and invest more funding in longitudinal epidemiological research, including epilepsy surveillance, to better understand the magnitude of the problem and improve patient care and outcomes. To assist in these efforts, the Committee recommends \$7,500,000 in support of epilepsy research. Additionally, the Committee urges the Department to expand research into the mechanisms by which brain injury produces epilepsy and research directed at the prevention of epilepsy and concomitant comorbidities in those known to be at high risk.

*Melanoma Research.*—The Committee understands that melanoma diagnoses are increasing among active duty servicemembers and that melanoma is the fifth most common cancer among veterans. Recent research suggests that exposure to high levels of solar radiation in young adulthood is associated with a higher risk of melanoma mortality. Given the extreme and harsh conditions servicemembers face in theater and the rise of this aggressive and frequently deadly form of cancer, the Committee encourages the Department to continue its investments in melanoma research.

*Sleep Disorder Research.*—The Committee recognizes that sleep disorders are increasingly prevalent among servicemembers and that such disruptions have been associated with diverse mental and physical disorders, including traumatic brain injury and post-traumatic stress. The Committee applauds the Army for acknowledging the importance of sleep in achieving optimal physical, men-

tal, and emotional health and including sleep as a focus in the Performance Triad. In support of this effort, the Committee urges the Department to support basic, translational, and clinical research on how the disruption of normal sleep and circadian biological rhythms adversely affects the health, safety, performance, and productivity of military and civilian populations.

*Hydrocephalus Research.*—The Committee is concerned that some of the estimated 294,000 servicemembers who have sustained a traumatic brain injury in Operation Enduring Freedom and Iraqi Freedom are at higher risk for developing hydrocephalus. Hydrocephalus, an increased accumulation of fluid in the brain, often has a delayed onset and can easily be misdiagnosed as dementia or other aging related diseases. Given that there is currently no cure for hydrocephalus and current treatment options are limited and have high failure rates, the Committee encourages the Department to increase its investments in hydrocephalus research.

*Sustained-Release Drug Delivery.*—The Committee encourages development of technology that can deliver oral drugs for up to one week or more for specific, targeted, military healthcare needs. Potential application of this technology could include long-acting oral therapies for post-traumatic stress, opiate dependence, low-dose pain control, allergies, attention deficit/hyperactivity disorder, chemoprophylaxis, and other Department-identified priority areas. Most oral therapies are limited in their duration of efficacy by short half-lives in the body and by the rapid gastrointestinal transit of the pill. Oral, long-acting therapies may be particularly advantageous in complex environments with limited access to medical personnel and resources.

*Biomarkers for Hazardous Exposures.*—The Committee recognizes that hazardous exposures cost the Departments of Defense and Veterans Affairs billions of dollars annually in medical care, reduce servicemember performance and create a multitude of health compensation claims. Identifying biomarkers for toxic or psychologically traumatic exposures could allow for faster diagnosis and treatment of a number of exposure-related conditions among military and veteran populations. The Committee supports research efforts that capitalize on recent advances in exposure science, biosignatures discovery, wearable sensors technology, chemical surveillance, and systems biology including proteomics, genomics, and metabolomics. Further, the Committee encourages the Department to collaborate with research universities, medical research centers, and National Laboratories that specialize in the enumerated health research capabilities. This research shall aim to align and integrate research and development efforts to rapidly transition products in support of the emerging Joint Health Risk Management Program.

*Behavioral and Mental Health Care for National Guard and Reserve.*—The Committee recognizes that the men and women of the National Guard and Reserve components need greater access to care if they are to maintain a high state of medical readiness to support regularly occurring deployments. It also recognizes that the suicide rate in the reserve components is consistently higher than the suicide rate for both the active duty military and the civilian population. Therefore, the Committee encourages the Department



to better ensure that periodic health assessments are followed by medical treatment to address any behavioral or mental health conditions that could impact a servicemember's ability to deploy, even if such care falls outside of the pre-deployment window. This practice would allow for a more medically ready, deployable force and would expand access to behavioral and mental healthcare for reserve component servicemembers.

*Biological Dosimetry Network for Radiological/Nuclear Events.*—The Committee is concerned that the detonation of a nuclear weapon at a Department of Defense facility or in a combat zone has the potential to expose numerous military and civilian personnel to radiation and non-radiation effects. This type of event could overwhelm medical personnel unless effective triage is in place. A biodosimetry network could provide an estimate of the radiation dose an individual actually received and would clearly identify those in need of further treatment. The Committee understands that the Department is in the process of developing a biodosimetry network and encourages the expeditious development and testing of such a network. Further, the Department should coordinate its efforts with the Departments of Health and Human Services, Homeland Security, the Food and Drug Administration and other agencies as appropriate.

*Operational Risk Management of Deployment Exposures.*—The Committee continues to be concerned about the hazardous occupational and environmental health [OEH] exposures (dust, burn pits, endemic disease, etc.) occurring during deployment and the negative impacts that these exposures have on health and mission readiness. In May 2015, a Government Accountability Office [GAO] report noted that while significant improvements have occurred in deployment force health protection since the Gulf War, there are certain gaps that demand immediate attention and remediation including: establishing clear OEH policy and procedures; requiring all other military-service-specific policies be amended and implemented to ensure consistency and revising CENTCOM policies to require adequate documentation and consistent monitoring of deployment risk mitigation activities. The Committee encourages the Department to take steps to review and address the prevention, mitigation, and avoidance strategies, policies, and procedures and to develop and implement the GAO recommendations within the operational risk management construct, including during the deployment planning stages and throughout the remainder of the deployment process.

*Real-Time Locating System [RTLS] Technology.*—The Committee understands that automated resource management systems may improve patient care in both normal and emergency situations and that the U.S. Army Medical Research and Materiel Command and Telemedicine Advanced Technology Research Center have begun research to define, exercise, and refine best practices for management of blast injury mass casualty disasters through the use of RTLS technology. The Committee encourages the Department to continue this research and focus on creating an open framework on which private sector vendors can create solutions that can homogenize location data from disparate systems and accelerate the adoption of multi-site implementations.

*Military Medical Photonics.*—Military Medical Photonics research improves battlefield patient care using photomedicine technologies and exemplifies how mission-oriented research can benefit both military and civilian populations. Recent breakthroughs in this research include major technology advances in burn and wound management, tissue imaging and bonding for vascular and reconstructive surgery, diagnosis, and treatment of major eye diseases and trauma, critical care sensors and monitors, early assessment of inhalation airway injury, rapid imaging of coronary artery disease, and normalization of severe scarring from wounds of war. This program has made great progress in the development of important, innovative technologies for battlefield medicine, and the Committee encourages the Department to maintain funding for this research at historical levels in future budgets.

*Medical Follow-Up Agency of the Institute of Medicine.*—The Committee acknowledges the important contributions of the Medical Follow-Up Agency [MFUA] to Department of Defense medical research efforts and urges the Department to continue to support the agency with the modest investments necessary to maintain epidemiological research and biospecimens. These investments will allow MFUA to quickly respond to the health information needs of active duty military and veteran populations and keep them viable for future research efforts.

*Effect of the Gut Microbiome on Chronic Disease.*—The Committee understands that recent research suggests the levels of microbiota can affect a patient’s overall health and that the Department plans to research the impact of gut microbiome on warfighter readiness and performance. The Committee applauds these efforts and encourages the Department to also investigate the impact of gut microbiome on long-term chronic conditions, such as heart disease, kidney disease, and hypertension.

CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

Appropriations, 2016 .....	\$699,821,000
Budget estimate, 2017 .....	551,023,000
Committee recommendation .....	523,726,000

The Committee recommends an appropriation of \$523,726,000. This is \$27,297,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2017 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE						
1	CHEM DEMILITARIZATION—OPERATION AND MAINTENANCE .....		147,282		119,985		— 27,297
3	CHEM DEMILITARIZATION—PROCUREMENT .....		15,132		15,132		
2	CHEM DEMILITARIZATION—RESEARCH, DEVELOPMENT, TEST AND EVALUATION .....		388,609		388,609		
	TOTAL, CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE .....		551,023		523,726		— 27,297

## COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Item	2017 budget estimate	Committee recommendation	Change from budget estimate
Chemical Demilitarization O&M .....	147,282	119,985	- 27,297
Improving funds management: Recovered chemical warfare materiel project excess to need .....			- 10,997
Improving funds management: Recovered chemical warfare materiel project Panama operations ahead of need .....			- 16,300

## DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

Appropriations, 2016 .....	\$1,050,598,000
Budget estimate, 2017 .....	844,800,000
Committee recommendation .....	994,800,000

The Committee recommends an appropriation of \$994,800,000. This is \$150,000,000 above the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
010	Drug Interdiction And Counter Drug Activities .....	730,087	646,087	- 84,000
	Transfer to National Guard Counter-Drug Program .....			- 79,000
	Transfer to National Guard Counter-Drug Schools .....			- 5,000
020	Drug Demand Reduction Program .....	114,713	114,713	
030	National Guard Counter-Drug Program .....		214,000	214,000
	Transfer from Drug Interdiction And Counter Drug Activities .....			+ 79,000
	Program increase .....			+ 135,000
30A	National Guard counter-drug schools .....		20,000	+ 20,000
	Transfer from Drug Interdiction And Counter Drug Activities .....			+ 5,000
	Program increase .....			+ 15,000
	Total, Drug Interdiction and Counter-Drug Activities	844,800	994,800	+ 150,000

*National Guard Counter-Drug Program.*—The Committee remains concerned that the Department continues to reduce overall funding for the National Guard Counter-Drug program, and disagrees with the fiscal year 2017 President's budget request which does not fund these activities under an independent budget line. The Committee recommends \$214,000,000 for the National Guard Counter-Drug program and directs the Department to include an individual budget line for this program in its fiscal year 2018 budget submission.

*National Guard Counter-Drug Schools.*—The Committee continues to support the counter-drug schools' mission of providing

combatant commands, law enforcement agencies, community-based organizations, and military personnel with training to support and enhance their capabilities to detect, interdict, disrupt, and curtail drug trafficking as an important component of our overall effort to reduce drug crimes and protect national security. The Committee recommends \$20,000,000 for the counter-drug schools to achieve their full mission and directs the Department to include an individual budget line for this program in its fiscal year 2018 budget submission.

JOINT URGENT OPERATIONAL NEEDS FUND

Appropriations, 2016 .....	
Budget estimate, 2017 .....	\$99,300,000
Committee recommendation .....	

The Committee recommends no funding for the Joint Urgent Operational Needs Fund.

OFFICE OF THE INSPECTOR GENERAL

Appropriations, 2016 .....	\$312,559,000
Budget estimate, 2017 .....	322,035,000
Committee recommendation .....	306,942,000

The Committee recommends an appropriation of \$306,942,000. This is \$15,093,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Item	2017 budget estimate	Committee recommendation	Change from budget estimate
Office of the Inspector General, Operation and Maintenance .....	318,882	303,789	- 15,093
Improving funds management: Overestimation of civilian full-time equivalents .....			- 15,093
Office of the Inspector General, Research and Development .....	3,153	3,153	
Office of the Inspector General, Procurement .....			
Total, Office of the Inspector General .....	322,035	306,942	- 15,093

TITLE VII  
RELATED AGENCIES

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY  
SYSTEM FUND

Appropriations, 2016 .....	\$514,000,000
Budget estimate, 2017 .....	514,000,000
Committee recommendation .....	514,000,000

The Committee recommends an appropriation of \$514,000,000.  
This is equal to the budget estimate.

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

Appropriations, 2016 .....	\$505,206,000
Budget estimate, 2017 .....	533,596,000
Committee recommendation .....	525,396,000

The Committee recommends an appropriation of \$525,396,000.  
This is \$8,200,000 below the budget estimate.

## TITLE VIII

### GENERAL PROVISIONS

The following lists general provisions proposed by the Committee. The Committee recommends inclusion of several proposals which have been incorporated in previous appropriations acts, provisions requested for inclusion by the Defense Department, and new provisions. The Committee recommendations are as follows:

SEC. 8001. *Publicity/Propaganda Limitation.*—Retains a provision carried in previous years.

SEC. 8002. *Compensation/Employment of Foreign Nationals.*—Retains a provision carried in previous years.

SEC. 8003. *Obligation Rate of Appropriations.*—Retains a provision carried in previous years.

SEC. 8004. *Obligations in Last 2 Months of Fiscal Year.*—Retains a provision carried in previous years.

SEC. 8005. *General Transfer Authority.*—Retains and modifies a provision carried in previous years.

SEC. 8006. *Project Level Adjustments.*—Retains a provision carried in previous years.

SEC. 8007. *Establishment of Reprogramming Baseline.*—Retains and modifies a provision carried in previous years.

SEC. 8008. *Working Capital Funds Cash Disbursements.*—Retains a provision carried in previous years.

SEC. 8009. *Special Access Programs Notification.*—Retains a provision carried in previous years.

SEC. 8010. *Multiyear Procurement Authority.*—Retains and modifies a provision carried in previous years.

SEC. 8011. *Humanitarian and Civic Assistance.*—Retains a provision carried in previous years.

SEC. 8012. *Alcoholic Beverages.*—Retains a provision carried in previous years.

SEC. 8013. *Lobbying.*—Retains a provision carried in previous years.

SEC. 8014. *Educational Benefits and Bonuses.*—Retains a provision carried in previous years.

SEC. 8015. *Mentor-Protégé Program.*—Retains a provision carried in previous years.

SEC. 8016. *Arsenals.*—Retains and modifies a provision carried in previous years.

SEC. 8017. *Demilitarization of Surplus Firearms.*—Modifies a provision carried in previous years.

SEC. 8018. *Relocations Into the National Capital Region.*—Retains a provision carried in previous years.

SEC. 8019. *Indian Financing Act.*—Retains a provision carried in previous years.

SEC. 8020. *Defense Media Activity*.—Retains a provision carried in previous years.

SEC. 8021. *Burden Sharing With Kuwait*.—Retains a provision carried in previous years.

SEC. 8022. *Civil Air Patrol*.—Retains a provision carried in previous years.

SEC. 8023. *Federally Funded Research and Development Centers*.—Retains and modifies a provision carried in previous years.

SEC. 8024. *Carbon, Alloy, or Armor Steel Plate*.—Retains a provision carried in previous years.

SEC. 8025. *Congressional Defense Committee Definition*.—Retains a provision carried in previous years.

SEC. 8026. *Depot Maintenance Competition*.—Retains a provision carried in previous years.

SEC. 8027. *Reciprocal Trade Agreements*.—Retains and modifies a provision carried in previous years.

SEC. 8028. *Overseas Military Facility Investment*.—Retains a provision carried in previous years.

SEC. 8029. *Walking Shield*.—Retains a provision carried in previous years.

SEC. 8030. *Investment Item Unit Cost*.—Retains a provision carried in previous years.

SEC. 8031. *Amyotrophic Lateral Sclerosis*.—Inserts a new provision concerning ALS.

SEC. 8032. *Tobacco Use in the Military*.—Retains a provision carried in previous years.

SEC. 8033. *Working Capital Fund Investment Item Restrictions*.—Retains and modifies a provision carried in previous years.

SEC. 8034. *CIA Availability of Funds*.—Retains and modifies a provision carried in previous years.

SEC. 8035. *GDIP Information System*.—Makes permanent a provision carried in previous years.

SEC. 8036. *Tribal Lands Environmental Impact*.—Retains a provision carried in previous years.

SEC. 8037. *Buy American Act Compliance*.—Retains a provision carried in previous years.

SEC. 8038. *U.S. Air Force RED HORSE Squadrons*.—Retains a provision regarding the consolidation or relocation of RED HORSE squadrons outside of the United States.

SEC. 8039. *Field Operating Agencies*.—Retains a provision carried in previous years.

SEC. 8040. *Contractor Conversion and Performance*.—Retains a provision carried in previous years.

SEC. 8041. *Rescissions*.—The Committee recommends a general provision rescinding funds from prior years as displayed below:

	Amount
2014 Appropriations	
Ship Modernization, Operations and Sustainment Fund:	
Program adjustment .....	\$1,317,300,000
2015 Appropriations	
Other Procurement, Army:	
Family of Heavy Tactical Vehicles [FHTV] .....	13,210,000
Enroute Mission Command [EMC] .....	20,000,000
Army CA/MISO GPF Equipment .....	4,585,000



	Amount
Information Systems .....	5,250,000
Joint Tactical Ground Station [JTAGS] .....	3,696,000
Explosive Ordnance Disposal Eqpmt [EOD EQPMT] .....	11,270,000
<\$5m, Countermine Equipment .....	2,300,000
Aircraft Procurement, Navy:	
P-8A Poseidon .....	120,000,000
Weapons Procurement, Navy:	
Cruiser Modernization Weapons .....	4,000,000
Tomahawk .....	5,000,000
Harm Mods .....	2,933,000
Missile Procurement, Air Force:	
MM III Modifications .....	10,000,000
Other Procurement, Air Force:	
Classified .....	25,500,000
2016 Appropriations	
Aircraft Procurement, Army:	
UH-60 Blackhawk M Model (MYP)—AP .....	34,594,000
Aircrew Integrated Systems .....	12,000,000
Missile Procurement, Army:	
MLRS Reduced Range Practice Rockets [RRPR] .....	11,410,000
Procurement of Ammunition, Army:	
CTG, 40MM, All Types .....	8,646,000
Other Procurement, Army:	
Joint Light Tactical Vehicle .....	6,100,000
Transportable Tactical Command Communications .....	5,372,000
Global Brdcst Svc—GBS .....	6,265,000
Generators and Associated Equip .....	72,000,000
Procurement of Ammunition, Navy and Marine Corps:	
LRLAP 155MM Long Range Land Attack Projectile .....	3,000,000
Non Lethals .....	3,868,000
Procurement, Marine Corps:	
TOW Guided Weapons Mod .....	13,000,000
Other Procurement, Navy:	
AQS-20A .....	10,810,000
Remote Minehunting System [RMS] .....	9,170,000
Aircraft Procurement, Air Force:	
F-35—AP .....	58,000,000
KC-46A Tanker .....	171,100,000
C-130J—AP .....	30,000,000
MC-130J .....	28,500,000
Other Production Charges .....	67,000,000
Missile Procurement, Air Force:	
Missile Replacement Eq-Ballistic .....	10,000,000
Classified .....	20,000,000
Classified .....	14,700,000
Space Procurement, Air Force:	
Evolved Expendable Launch Vehicle (Space) .....	157,000,000
Other Procurement, Air Force:	
Comsec Equipment .....	10,000,000
Combat Training Ranges .....	10,000,000
Research, Development, Test and Evaluation, Army:	
Joint Light Tactical Vehicle .....	11,593,000
Research, Development, Test and Evaluation, Navy:	
Tactical Combat Training System II .....	9,219,000
Tactical AIM Missiles .....	22,000,000
Research, Development, Test and Evaluation, Air Force:	
Ground Based Strategic Deterrent .....	18,000,000
KC-46 .....	181,000,000
Nuclear Weapons Modernization .....	29,000,000
AF Integrated Personnel and Pay System [AF-IPPS] .....	26,000,000
Minuteman Squadrons .....	22,000,000
Tactical AIM Missiles .....	7,600,000
Airborne Warning and Control System [AWACS] .....	9,000,000
Classified .....	30,000,000
Classified .....	15,000,000

	Amount
Research, Development, Test and Evaluation, Defense-wide:	
Network-Centric Warfare Technology .....	15,918,000
Defense Technology Offset .....	75,000,000
Advanced IT Services Joint Program Office [AITS-JPO] .....	12,000,000

SEC. 8042. *Civilian Technician Reductions*.—Retains a provision carried in previous years.

SEC. 8043. *North Korea*.—Retains a provision carried in previous years.

SEC. 8044. *Reserve Component Intelligence Reimbursement*.—Retains a provision carried in previous years.

SEC. 8045. *Counter-Drug Activities Transfer*.—Retains a provision carried in previous years.

SEC. 8046. *Global Hawk Aircraft*.—Retains a provision carried in previous years.

SEC. 8047. *Launch Service Competitions*.—Retains a provision carried in previous years.

SEC. 8048. *United Service Organizations Grant*.—Retains and modifies a provision carried in previous years.

SEC. 8049. *Buy American Computers*.—Retains a provision carried in previous years.

SEC. 8050. *Small Business Set-Asides*.—Retains a provision carried in previous years.

SEC. 8051. *Contractor Bonuses*.—Retains a provision carried in previous years.

SEC. 8052. *Reserve Peacetime Support*.—Retains a provision carried in previous years.

SEC. 8053. *Unexpended Balances*.—Retains a provision carried in previous years.

SEC. 8054. *National Guard Distance Learning*.—Retains a provision carried in previous years.

SEC. 8055. *Assignment of Forces*.—Retains a provision carried in previous years.

SEC. 8056. *Sexual Assault Prevention Programs*.—Retains a provision carried in previous years.

SEC. 8057. *End-Item Procurement*.—Retains a provisions carried in previous years.

SEC. 8058. *Buy American Waivers*.—Retains a provision carried in previous years.

SEC. 8059. *O&M, Navy Transfer to Stennis Center*.—Retains and modifies a provision carried in previous years.

SEC. 8060. *Joint Capability Demonstration Project*.—Retains a provision carried in previous years.

SEC. 8061. *Secretary of Defense Reporting Requirement*.—Retains a provision carried in previous years.

SEC. 8062. *Missile Defense Authorization*.—Retains a provision carried in previous years.

SEC. 8063. *Armor-Piercing Ammo*.—Retains a provision carried in previous years.

SEC. 8064. *Personal Property Lease Payments*.—Retains a provision carried in previous years.

SEC. 8065. *O&M, Army Transfer*.—Retains and modifies a provision carried in previous years.

SEC. 8066. *National Intelligence Program Separation*.—Retains and modifies a provision carried in previous years.

SEC. 8067. *Inspector General’s Access*.—Inserts a new provision concerning an Inspector General’s access.

SEC. 8068. *Israeli Cooperative Programs*.—Retains and modifies a provision carried in previous years.

SEC. 8069. *Prior Year Shipbuilding*.—Retains and modifies a provision carried in previous years.

SEC. 8070. *Intelligence Authorization*.—Retains and modifies a provision carried in previous years.

SEC. 8071. *New Start Authority*.—Retains a provision carried in previous years.

SEC. 8072. *Contingency Operations Budget Justification*.—Retains a provision carried in previous years.

SEC. 8073. *Nuclear Armed Interceptors*.—Retains and modifies a provision carried in previous years.

SEC. 8074. *SCN Transfer Authority*.—Retains and modifies a provision carried in previous years.

SEC. 8075. *53rd Weather Reconnaissance Squadron*.—Retains a provision carried in previous years.

SEC. 8076. *Integration of Foreign Intelligence*.—Retains a provision carried in previous years.

SEC. 8077. *Army Tactical UAVs*.—Retains a provision carried in previous years.

SEC. 8078. *Asia-Pacific Regional Initiative*.—Retains and modifies a provision carried in previous years.

SEC. 8079. *DNI R&D Waiver*.—Retains and modifies a provision carried in previous years.

SEC. 8080. *Shipbuilding Obligations*.—Retains a provision carried in previous years.

SEC. 8081. *DNI Reprogramming Baseline*.—Retains and modifies a provision carried in previous years.

SEC. 8082. *Rescissions*.—The Committee recommends an additional general provision rescinding funds from prior years as displayed below:

	Amount
2015/2017 Appropriations	
Department of Defense Acquisition Workforce Development Fund:	
Department of Defense Acquisition Workforce Development Fund .....	\$400,000,000

SEC. 8083. *Child Soldiers*.—Retains a provision carried in previous years.

SEC. 8084. *Guam Infrastructure*.—Includes a new provision concerning the Operations and Maintenance, Defense-Wide grant to support Guam infrastructure.

SEC. 8085. *NIP Reprogramming*.—Retains a provision carried in previous years.

SEC. 8086. *Future-Years Intelligence Program*.—Retains a provision carried in previous years.

SEC. 8087. *Congressional Intelligence Committee Definition*.—Retains a provision carried in previous years.

SEC. 8088. *Readiness*.—Includes a new provision on O&M Readiness Funds & Transfer Authority.

SEC. 8089. *Fisher House Authorization*.—Retains a provision carried in previous years.

SEC. 8090. *Defense Acquisition Workforce Development Fund*.—Retains a provision carried in previous years.

SEC. 8091. *Public Disclosure of Agency Reports*.—Retains a provision carried in previous years.

SEC. 8092. *Contractor Compliance With the Civil Rights Act of 1964*.—Retains a provision carried in previous years.

SEC. 8093. *DOD-VA Medical Facility Demonstration*.—Retains and modifies a provision carried in previous years.

SEC. 8094. *Armored Vehicles*.—Retains a provision carried in previous years.

SEC. 8095. *Missile Defense Cooperation with Russia*.—Retains a provision carried in previous years.

SEC. 8096. *NIP Reprogramming*.—Retains and modifies a provision carried in previous years.

SEC. 8097. *Transfer of Detainees to or Within the United States*.—Retains a provision carried in previous years.

SEC. 8098. *Detainee Facilities*.—Retains a provision carried in previous years.

SEC. 8099. *Detainee Transfer to a Foreign Country or Entity*.—Retains a provision carried in previous years.

SEC. 8100. *War Powers Resolution*.—Retains a provision which prohibits funding made available by this Act in contravention of the War Powers Resolution.

SEC. 8101. *Rosoboronexport*.—Retains a provision carried in previous years.

SEC. 8102. *Ex Gratia Payments*.—Retains a provision carried in previous years.

SEC. 8103. *Strategic Delivery Vehicles*.—Retains a provision carried in previous years.

SEC. 8104. *Transfers to Another Federal Agency*.—Retains a provision carried in previous years.

SEC. 8105. *T-AO(X) Oiler Program*.—Retains a provision carried in previous years.

SEC. 8106. *Working Capital Fund Cash Balances*.—Retains and modifies a provision carried in previous years.

SEC. 8107. *Fuel Savings*.—Retains and modifies a provision carried in previous years.

SEC. 8108. *Authority to Transfer O&M, Navy Funds to Ready Reserve Force, Maritime Administration Account*.—Includes a new provision which provides authority to transfer O&M Navy funds to Ready Reserve Force, Maritime Administration account.

SEC. 8109. *Authority to Use Funds for OPM Background Investigations*.—Includes a new provision which provides authority to use funds for OPM background investigation information technology systems.

**TITLE IX**  
**OVERSEAS CONTINGENCY OPERATIONS/GLOBAL WAR ON TERRORISM**

**DEPARTMENT OF DEFENSE—MILITARY**

The Committee recommends an appropriation of \$58,635,004,000 for operations related to Overseas Contingency Operations/Global War on Terrorism. In fiscal year 2016 Congress appropriated \$58,638,000,000 for activities funded in this title.

**COMMITTEE RECOMMENDED PROGRAM**

The following table summarizes the Committee recommendation:

[In thousands of dollars]

	Fiscal year 2016 enacted	Fiscal year 2017 estimate	Committee recommendation
Military Personnel .....	3,222,673	3,562,258	3,562,258
Operation and Maintenance .....	46,147,189	44,464,924	43,288,874
Procurement .....	7,779,424	9,106,136	9,949,883
Research, Development, Test and Evaluation .....	231,434	374,169	374,169
Revolving and Management Funds .....	88,850	140,633	140,633
Other Department of Defense Programs .....	818,430	977,431	902,431
General Provisions (net) .....	350,000	.....	416,756
Total, Overseas Contingency Operations/Global War on Terrorism (incl. scorekeeping adjustments) .....	58,638,000	58,625,551	58,635,004

**OVERVIEW**

**COMMITTEE RECOMMENDATION**

The Committee recommends \$58,635,004,000 of additional appropriations for Overseas Contingency Operations/Global War on Terrorism in fiscal year 2017. This funding will ensure that resources, equipment, and supplies are available for our servicemembers without interruption, and will enable the Department to avoid absorbing operational costs from within baseline programs that are critical to future readiness and home-station activities.

**REPORTING REQUIREMENTS**

The Committee eliminates the reporting requirement for Cost of War Execution reports. However, the Secretary of Defense is directed to submit reports, on a quarterly basis, to the congressional defense committees not later than 30 days after the last day of each quarter of the fiscal year that detail commitment, obligation, and expenditure data by sub-activity group for the Afghanistan Security Forces Fund and the Counter-the Islamic State of Iraq and the Levant Fund.

MILITARY PERSONNEL

The Committee recommends a total of \$3,562,258,000 for pay, allowances, and other personnel costs for Active, Reserve, and Guard troops activated for duty in Afghanistan and other contingency operations. This recommendation includes funding for subsistence, permanent change of station travel, and special pays including imminent danger pay, family separation allowance, and hardship duty pay.

MILITARY PERSONNEL, ARMY

Appropriations, 2016 .....	\$1,846,356,000
Budget estimate, 2017 .....	2,051,578,000
Committee recommendation .....	2,051,578,000

The Committee recommends an appropriation of \$2,051,578,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	<b>BA 1: PAY AND ALLOWANCES OF OFFICERS</b>			
5	Basic Pay .....	315,786	315,786	.....
10	Retired Pay Accrual .....	74,526	74,526	.....
25	Basic Allowance for Housing .....	133,911	133,911	.....
30	Basic Allowance for Subsistence .....	11,866	11,866	.....
35	Incentive Pays .....	1,543	1,543	.....
40	Special Pays .....	15,411	15,411	.....
45	Allowances .....	11,970	11,970	.....
50	Separation Pay .....	4,541	4,541	.....
55	Social Security Tax .....	24,158	24,158	.....
	<b>TOTAL .....</b>	<b>593,712</b>	<b>593,712</b>	<b>.....</b>
	<b>BA 2: PAY AND ALLOWANCES OF ENLISTED</b>			
60	Basic Pay .....	506,209	506,209	.....
65	Retired Pay Accrual .....	119,465	119,465	.....
80	Basic Allowance for Housing .....	255,613	255,613	.....
85	Incentive Pays .....	959	959	.....
90	Special Pays .....	47,347	47,347	.....
95	Allowances .....	46,094	46,094	.....
100	Separation Pay .....	10,063	10,063	.....
105	Social Security Tax .....	38,725	38,725	.....
	<b>TOTAL .....</b>	<b>1,024,475</b>	<b>1,024,475</b>	<b>.....</b>
	<b>BA 4: SUBSISTENCE OF ENLISTED PERSONNEL</b>			
115	Basic Allowance for Subsistence .....	59,079	59,079	.....
120	Subsistence-In-Kind .....	222,742	222,742	.....
	<b>TOTAL .....</b>	<b>281,821</b>	<b>281,821</b>	<b>.....</b>
	<b>BA 5: PERMANENT CHANGE OF STATION TRAVEL</b>			
135	Operational Travel .....	32,597	32,597	.....
140	Rotational Travel .....	12,059	12,059	.....
	<b>TOTAL .....</b>	<b>44,656</b>	<b>44,656</b>	<b>.....</b>

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	<b>BA 6: OTHER MILITARY PERSONNEL COSTS</b>			
175	Interest on Uniformed Services Savings .....	2,194	2,194	.....
180	Death Gratuities .....	1,200	1,200	.....
185	Unemployment Benefits .....	89,464	89,464	.....
216	SGLI Extra Hazard Payments .....	8,184	8,184	.....
219	Traumatic Injury Protection Coverage [T-SGLI] .....	5,872	5,872	.....
	<b>TOTAL .....</b>	<b>106,914</b>	<b>106,914</b>	<b>.....</b>
	<b>Total, Military Personnel, Army .....</b>	<b>2,051,578</b>	<b>2,051,578</b>	<b>.....</b>

**MILITARY PERSONNEL, NAVY**

Appropriations, 2016 .....	\$251,011,000
Budget estimate, 2017 .....	330,557,000
Committee recommendation .....	330,557,000

The Committee recommends an appropriation of \$330,557,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	<b>BA 1: PAY AND ALLOWANCES OF OFFICERS</b>			
5	Basic Pay .....	58,913	58,913	.....
10	Retired Pay Accrual .....	13,903	13,903	.....
25	Basic Allowance for Housing .....	19,879	19,879	.....
30	Basic Allowance for Subsistence .....	2,141	2,141	.....
35	Incentive Pays .....	480	480	.....
40	Special Pays .....	3,128	3,128	.....
45	Allowances .....	7,280	7,280	.....
55	Social Security Tax .....	4,507	4,507	.....
	<b>TOTAL .....</b>	<b>110,231</b>	<b>110,231</b>	<b>.....</b>
	<b>BA 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>			
60	Basic Pay .....	76,964	76,964	.....
65	Retired Pay Accrual .....	18,163	18,163	.....
80	Basic Allowance for Housing .....	40,353	40,353	.....
85	Incentive Pays .....	211	211	.....
90	Special Pays .....	5,931	5,931	.....
95	Allowances .....	16,913	16,913	.....
105	Social Security Tax .....	5,888	5,888	.....
	<b>TOTAL .....</b>	<b>164,423</b>	<b>164,423</b>	<b>.....</b>
	<b>BA 4: SUBSISTENCE OF ENLISTED PERSONNEL</b>			
115	Basic Allowance for Subsistence .....	8,693	8,693	.....
120	Subsistence-In-Kind .....	25,446	25,446	.....
	<b>TOTAL .....</b>	<b>34,139</b>	<b>34,139</b>	<b>.....</b>
	<b>BA 5: PERMANENT CHANGE OF STATION TRAVEL</b>			
125	Accession Travel .....	1,427	1,427	.....
135	Operational Travel .....	1,825	1,825	.....
140	Rotational Travel .....	4,634	4,634	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
145	Separation Travel .....	1,937	1,937	.....
	TOTAL .....	9,823	9,823	.....
	<b>BA 6: OTHER MILITARY PERSONNEL COSTS</b>			
180	Death Gratuities .....	300	300	.....
185	Unemployment Benefits .....	6,959	6,959	.....
212	Reserve Income Replacement Program .....	9	9	.....
216	SGLI Extra Hazard Payments .....	4,673	4,673	.....
	TOTAL .....	11,941	11,941	.....
	Total, Military Personnel, Navy .....	330,557	330,557	.....

### MILITARY PERSONNEL, MARINE CORPS

Appropriations, 2016 .....	\$171,079,000
Budget estimate, 2017 .....	179,733,000
Committee recommendation .....	179,733,000

The Committee recommends an appropriation of \$179,733,000. This is equal to the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	<b>BA 1: PAY AND ALLOWANCES OF OFFICERS</b>			
5	Basic Pay .....	29,855	29,855	.....
10	Retired Pay Accrual .....	7,046	7,046	.....
25	Basic Allowance for Housing .....	8,814	8,814	.....
30	Basic Allowance for Subsistence .....	996	996	.....
35	Incentive Pays .....	266	266	.....
40	Special Pays .....	1,350	1,350	.....
45	Allowances .....	1,939	1,939	.....
50	Separation Pay .....	5,939	5,939	.....
55	Social Security Tax .....	2,284	2,284	.....
	TOTAL .....	58,489	58,489	.....
	<b>BA 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>			
60	Basic Pay .....	17,509	17,509	.....
65	Retired Pay Accrual .....	4,132	4,132	.....
80	Basic Allowance for Housing .....	8,798	8,798	.....
85	Incentive Pays .....	16	16	.....
90	Special Pays .....	4,449	4,449	.....
95	Allowances .....	6,012	6,012	.....
100	Separation Pay .....	74,707	74,707	.....
105	Social Security Tax .....	1,339	1,339	.....
	TOTAL .....	116,962	116,962	.....
	<b>BA 4: SUBSISTENCE OF ENLISTED PERSONNEL</b>			
115	Basic Allowance for Subsistence .....	2,103	2,103	.....
	TOTAL .....	2,103	2,103	.....



[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	BA 6: OTHER MILITARY PERSONNEL COSTS			
175	Interest on Uniformed Services Savings .....	302	302	.....
216	SGLI Extra Hazard Payments .....	1,877	1,877	.....
	TOTAL .....	2,179	2,179	.....
	Total, Military Personnel, Marine Corps .....	179,733	179,733	.....

**MILITARY PERSONNEL, AIR FORCE**

Appropriations, 2016 .....	\$726,126,000
Budget estimate, 2017 .....	719,896,000
Committee recommendation .....	719,896,000

The Committee recommends an appropriation of \$719,896,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: PAY AND ALLOWANCES OF OFFICERS			
5	Basic Pay .....	104,751	104,751	.....
10	Retired Pay Accrual .....	24,721	24,721	.....
25	Basic Allowance for Housing .....	33,351	33,351	.....
30	Basic Allowance for Subsistence .....	3,745	3,745	.....
40	Special Pays .....	5,227	5,227	.....
45	Allowances .....	5,610	5,610	.....
55	Social Security Tax .....	8,013	8,013	.....
	TOTAL .....	185,418	185,418	.....
	BA 2: PAY AND ALLOWANCES OF ENLISTED			
60	Basic Pay .....	199,730	199,730	.....
65	Retired Pay Accrual .....	47,136	47,136	.....
80	Basic Allowance for Housing .....	86,671	86,671	.....
90	Special Pays .....	20,006	20,006	.....
95	Allowances .....	19,146	19,146	.....
105	Social Security Tax .....	15,279	15,279	.....
	TOTAL .....	387,968	387,968	.....
	BA 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	Basic Allowance for Subsistence .....	22,208	22,208	.....
120	Subsistence-In-Kind .....	93,369	93,369	.....
	TOTAL .....	115,577	115,577	.....
	BA 6: OTHER MILITARY PERSONNEL COSTS			
180	Death Gratuities .....	1,000	1,000	.....
185	Unemployment Benefits .....	24,626	24,626	.....
216	SGLI Extra Hazard Payments .....	5,307	5,307	.....
	TOTAL .....	30,933	30,933	.....
	Total, Military Personnel, Air Force .....	719,896	719,896	.....

**RESERVE PERSONNEL, ARMY**

Appropriations, 2016 .....	\$24,462,000
Budget estimate, 2017 .....	42,506,000
Committee recommendation .....	42,506,000

The Committee recommends an appropriation of \$42,506,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
10	BA 1: ARMY RESERVE TRAINING AND SUPPORT			
80	Pay Group A Training (15 Days & Drills 24/48) .....	2,773	2,773	.....
	Special Training .....	39,733	39,733	.....
	TOTAL .....	42,506	42,506	.....
	Total, Military Personnel, Army Reserve .....	42,506	42,506	.....

**RESERVE PERSONNEL, NAVY**

Appropriations, 2016 .....	\$12,693,000
Budget estimate, 2017 .....	11,929,000
Committee recommendation .....	11,929,000

The Committee recommends an appropriation of \$11,929,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
80	BA 1: NAVY RESERVE TRAINING AND SUPPORT			
90	Special Training .....	11,574	11,574	.....
	Administration and Support .....	355	355	.....
	TOTAL .....	11,929	11,929	.....
	Total, Military Personnel, Navy Reserve .....	11,929	11,929	.....

**RESERVE PERSONNEL, MARINE CORPS**

Appropriations, 2016 .....	\$3,393,000
Budget estimate, 2017 .....	3,764,000
Committee recommendation .....	3,764,000

The Committee recommends an appropriation of \$3,764,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: MARINE CORPS RESERVE TRAINING AND SUPPORT			
80	Special Training .....	3,700	3,700	.....
90	Administration and Support .....	64	64	.....
	TOTAL .....	3,764	3,764	.....
	Total, Military Personnel, Marine Corps Reserve .....	3,764	3,764	.....

**RESERVE PERSONNEL, AIR FORCE**

Appropriations, 2016 .....	\$18,710,000
Budget estimate, 2017 .....	20,535,000
Committee recommendation .....	20,535,000

The Committee recommends an appropriation of \$20,535,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: AIR FORCE RESERVE TRAINING AND SUPPORT			
80	Special Training .....	20,535	20,535	.....
	TOTAL .....	20,535	20,535	.....
	Total, Military Personnel, Air Force Reserve .....	20,535	20,535	.....

**NATIONAL GUARD PERSONNEL, ARMY**

Appropriations, 2016 .....	\$166,015,000
Budget estimate, 2017 .....	196,472,000
Committee recommendation .....	196,472,000

The Committee recommends an appropriation of \$196,472,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: ARMY NATIONAL GUARD TRAINING AND SUPPORT			
10	Pay Group A Training (15 Days & Drills 24/48) .....	33,702	33,702	.....
70	School Training .....	47,658	47,658	.....
80	Special Training .....	105,939	105,939	.....
90	Administration and Support .....	9,173	9,173	.....
	TOTAL .....	196,472	196,472	.....
	Total, Military Personnel, Army National Guard .....	196,472	196,472	.....

NATIONAL GUARD PERSONNEL, AIR FORCE

Appropriations, 2016 .....	\$2,828,000
Budget estimate, 2017 .....	5,288,000
Committee recommendation .....	5,288,000

The Committee recommends an appropriation of \$5,288,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
80	BA 1: AIR NATIONAL GUARD TRAINING AND SUPPORT			
	Special Training .....	5,288	5,288	.....
	TOTAL .....	5,288	5,288	.....
	Total, Military Personnel, Air National Guard .....	5,288	5,288	.....

OPERATION AND MAINTENANCE

The Committee recommends \$43,288,874,000 for the operation and maintenance accounts. These funds are available to fund overseas deployments and other activities by the services and Special Operations Forces to include financing flying hours, ship steaming days, ground operations, special airlift missions, increased ship and aircraft maintenance, logistics support, fuel purchases, base support, civilian personnel, personnel support costs, overseas transportation, communications support, facility management, and other operation and maintenance requirements.

OPERATION AND MAINTENANCE OVERVIEW

*Operation and Maintenance Overseas Contingency Operations/Global War on Terrorism [O&M OCO/GWOT] Budget Justification.*—The current format of the budget request for O&M OCO funding is to justify resource requirements by budget line item, contingency operation (Operation FREEDOM’S SENTINEL, Operation INHERENT RESOLVE, or European Reassurance Initiative), and Cost Breakdown Structure [CBS] code. While at one time useful, this format has become outdated and cumbersome with services having to present their O&M OCO requests in a format that is totally different than the O&M base budget request. The Committee believes making the format for the O&M OCO OP–5 exhibit match that of the base budget OP–5 exhibit will not only simplify the budget justification materials, but will also allow for better transparency in the requirements changes as a whole versus by operation or CBS code. This change will allow the services to address major changes programmatically in a consistent manner.

Therefore, the Committee directs the Secretary of Defense to ensure that the O&M OCO OP–5 exhibits no longer include categorization by contingency operation or Cost Breakdown Structure and instead follow the same format as the base budget OP–5 ex-

hibit. For summary purposes, the O&M OCO justification shall include the budget profile by contingency operation (OFS, OIR, ERI, and any others the Secretary of Defense designates) for the prior year, current year and budget year for each O&M appropriation. This shall be a summary table to be included in each O&M appropriation's introductory OCO budget materials.

#### OPERATION AND MAINTENANCE, ARMY

Appropriations, 2016 ..... \$14,994,833,000  
 Budget estimate, 2017 ..... 15,310,587,000  
 Committee recommendation ..... 15,065,587,000

The Committee recommends an appropriation of \$15,065,587,000. This is \$245,000,000 below the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units .....	723,945	713,145	- 10,800
	Transfer European Reassurance Initiative: Army-requested realignment to Procurement of Weapons and Tracked Combat Vehicles, Army and within Operation and Maintenance, Army .....			- 10,800
112	Modular Support Brigades .....	5,904	5,904	
113	Echelons Above Brigade .....	38,614	38,614	
114	Theater Level Assets .....	1,651,817	1,651,817	
115	Land Forces Operations Support .....	835,138	703,138	- 132,000
	Transfer European Reassurance Initiative: Army-requested realignment to Procurement of Weapons and Tracked Combat Vehicles, Army and within Operation and Maintenance, Army .....			- 132,000
116	Aviation Assets .....	165,044	165,044	
121	Force Readiness Operations Support .....	1,756,378	1,754,378	- 2,000
	Transfer European Reassurance Initiative: Army-requested realignment to Procurement of Weapons and Tracked Combat Vehicles, Army and within Operation and Maintenance, Army .....			- 2,000
122	Land Forces Systems Readiness .....	348,174	348,174	
123	Land Forces Depot Maintenance .....	350,000	350,000	
131	Base Operations Support .....	40,000	40,000	
135	Additional Activities .....	5,990,878	5,990,878	
136	Commander's Emergency Response Program .....	5,000	5,000	
137	Reset .....	1,092,542	1,092,542	
138	Combatant Commanders Direct Mission Support .....	79,568	79,568	
212	Army Prepositioned Stocks .....	350,200	130,000	- 220,200
	Transfer European Reassurance Initiative: Army-requested realignment to Procurement of Weapons and Tracked Combat Vehicles, Army and within Operation and Maintenance, Army .....			- 220,200
321	Specialized Skill Training .....	3,565	3,565	
323	Professional Development Education .....	9,021	9,021	
324	Training Support .....	2,434	2,434	
334	Civilian Education and Training .....	1,254	1,254	
411	Security Programs .....	835,551	835,551	
421	Service-wide Transportation .....	740,400	860,400	+ 120,000
	Transfer European Reassurance Initiative: Army-requested realignment from various line items within Operation and Maintenance, Army .....			+ 120,000
424	Ammunition Management .....	13,974	13,974	

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
434	Other Personnel Support .....	105,508	105,508	.....
437	Real Estate Management .....	165,678	165,678	.....
	Total, Operation and Maintenance, Army .....	15,310,587	15,065,587	- 245,000

*Commanders Emergency Response Program.*—The Committee recommends \$\_\_\_\_\_ for the Commanders Emergency Response Program [CERP] in Afghanistan in fiscal year 2017. The Committee directs the Army to submit monthly commitment, obligation, and expenditure data for CERP to the congressional defense committees not later than 30 days after each month.

The Committee includes language in section 9005 that requires all CERP projects executed under this authority shall be small scale, and shall not exceed \$\_\_\_\_\_ in cost (including any ancillary or related elements in connection with such project).

#### OPERATION AND MAINTENANCE, NAVY

Appropriations, 2016 .....	\$7,169,611,000
Budget estimate, 2017 .....	6,827,391,000
Committee recommendation .....	6,664,699,000

The Committee recommends an appropriation of \$6,664,699,000. This is \$162,692,000 below the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Mission And Other Flight Operations .....	860,621	860,621	.....
1A4A	Air Operations And Safety Support .....	4,603	4,603	.....
1A4N	Air Systems Support .....	159,049	159,049	.....
1A5A	Aircraft Depot Maintenance .....	113,994	113,994	.....
1A6A	Aviation Depot Operations Support .....	1,840	1,840	.....
1A9A	Aviation Logistics .....	35,529	35,529	.....
1B1B	Mission And Other Ship Operations .....	1,073,080	1,073,080	.....
1B2B	Ship Operations Support & Training .....	17,306	17,306	.....
1B4B	Ship Depot Maintenance .....	2,903,431	2,903,431	.....
1C1C	Combat Communications .....	21,257	21,257	.....
1C4C	Warfare Tactics .....	22,603	22,603	.....
1C5C	Operational Meteorology And Oceanography .....	22,934	22,934	.....
1C6C	Combat Support Forces .....	568,511	568,511	.....
1C7C	Equipment Maintenance .....	11,358	11,358	.....
1D3D	In-Service Weapons Systems Support .....	61,000	61,000	.....
1D4D	Weapons Maintenance .....	289,045	289,045	.....
1D7D	Other Weapons Systems Support .....	8,000	8,000	.....
BSM1	Facilities Sustainment, Restoration And Modernization .....	27,089	27,089	.....
BSS1	Base Operating Support .....	219,525	219,525	.....
2B1G	Aircraft Activations/Inactivations .....	1,530	1,530	.....
2C1H	Expeditionary Health Service Systems .....	8,904	8,904	.....
2C3H	Coast Guard Support .....	162,692	.....	- 162,692
	Coast Guard funded in Department of Homeland Security bill .....	.....	.....	- 162,692
3B1K	Specialized Skill Training .....	43,365	43,365	.....
4A1M	Administration .....	3,764	3,764	.....
4A2M	External Relations .....	515	515	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
4A4M	Military Manpower And Personnel Management .....	5,409	5,409	.....
4A5M	Other Personnel Support .....	1,578	1,578	.....
4A6M	Servicewide Communications .....	25,617	25,617	.....
4B1N	Servicewide Transportation .....	126,700	126,700	.....
4B3N	Acquisition And Program Management .....	9,261	9,261	.....
4C0P	Classified Programs .....	17,281	17,281	.....
	Total, Operation and Maintenance, Navy .....	6,827,391	6,664,699	- 162,692

### OPERATION AND MAINTENANCE, MARINE CORPS

Appropriations, 2016 .....	\$1,372,534,000
Budget estimate, 2017 .....	1,244,359,000
Committee recommendation .....	1,244,359,000

The Committee recommends an appropriation of \$1,244,359,000. This is equal to the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Operational Forces .....	703,489	703,489	.....
1A2A	Field Logistics .....	266,094	266,094	.....
1A3A	Depot Maintenance .....	147,000	147,000	.....
BSS1	Base Operating Support .....	18,576	18,576	.....
3B4D	Training Support .....	31,750	31,750	.....
4A3G	Servicewide Transportation .....	73,800	73,800	.....
999	Classified Programs .....	3,650	3,650	.....
	Total, Operation and Maintenance, Marine Corps .....	1,244,359	1,244,359	.....

### OPERATION AND MAINTENANCE, AIR FORCE

Appropriations, 2016 .....	\$11,128,813,000
Budget estimate, 2017 .....	9,498,830,000
Committee recommendation .....	9,347,672,000

The Committee recommends an appropriation of \$9,347,672,000. This is \$151,158,000 below the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces .....	1,339,461	1,339,461	.....
011C	Combat Enhancement Forces .....	1,096,021	986,021	- 110,000
	Transfer: Classified program adjustment .....	.....	.....	- 110,000
011D	Air Operations Training .....	152,278	152,278	.....
011M	Depot Maintenance .....	1,185,506	1,185,506	.....
011R	Facilities Sustainment, Restoration & Modernization .....	56,700	56,700	.....
011Z	Base Operating Support .....	941,714	941,714	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
012A	Global C3I And Early Warning .....	30,219	30,219	.....
012C	Other Combat Ops Spt Programs .....	207,696	207,696	.....
013A	Launch Facilities .....	869	869	.....
013C	Space Control Systems .....	5,008	5,008	.....
015A	Combatant Commanders Direct Mission Support .....	100,081	100,081	.....
999	Classified Programs .....	79,893	79,893	.....
021A	Airlift Operations .....	2,774,729	2,774,729	.....
021D	Mobilization Preparedness .....	108,163	108,163	.....
021M	Depot Maintenance .....	891,102	891,102	.....
021Z	Base Support .....	3,686	3,686	.....
031Z	Base Support .....	52,740	52,740	.....
032A	Specialized Skill Training .....	4,500	4,500	.....
041A	Logistics Operations .....	86,716	86,716	.....
041Z	Base Support .....	59,133	59,133	.....
042B	Servicewide Communications .....	165,348	165,348	.....
042G	Other Servicewide Activities .....	141,883	116,825	- 25,058
	Authorization adjustment: Office of Security Coopera- tion-Iraq .....	.....	.....	- 25,058
044A	International Support .....	61	61	.....
999	Security Programs .....	15,323	15,323	.....
UNDIST	Maintain program affordability: Unjustified growth for Base Operations Support .....	.....	- 16,100	- 16,100
	Total, Operation and Maintenance, Air Force .....	9,498,830	9,347,672	- 151,158

## OPERATION AND MAINTENANCE, DEFENSE-WIDE

Appropriations, 2016 .....	\$5,665,633,000
Budget estimate, 2017 .....	5,982,173,000
Committee recommendation .....	6,314,973,000

The Committee recommends an appropriation of \$6,314,973,000. This is \$332,800,000 above the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Special Operations Command (BA 1) .....	2,650,651	2,650,651	.....
	Defense Contract Audit Agency .....	13,436	13,436	.....
	Defense Contract Management Agency .....	13,564	13,564	.....
	Defense Information Systems Agency .....	47,579	47,579	.....
	Defense Legal Services Agency .....	111,986	111,986	.....
	Defense Media Activity .....	13,317	13,317	.....
	Department Of Defense Education Activity .....	67,000	67,000	.....
	Defense Security Cooperation Agency .....	1,412,000	1,682,000	+ 270,000
	Improving funds management: Coalition Support Funds unobligated balances .....	.....	.....	- 300,000
	Maintain program affordability: Lift and Sustain .....	.....	.....	- 100,000
	Transfer: Coalition Support Funds to Counter-ISIL Fund .....	.....	.....	- 180,000
	Transfer: Security Cooperation Enhancements from CTPF .....	.....	.....	+ 850,000
	Defense Threat Reduction Agency .....	.....	62,800	+ 62,800
	Transfer: JIDF OCO Mission Enablers from JIDF OCO ap- propriation .....	.....	.....	+ 62,800
	Office Of The Secretary Of Defense .....	31,106	31,106	.....
	Washington Headquarters Services .....	3,137	3,137	.....



[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Classified Programs .....	1,618,397	1,618,397	.....
	Total, Operation and Maintenance, Defense-Wide .....	5,982,173	6,314,973	+ 332,800

#### OPERATION AND MAINTENANCE, ARMY RESERVE

Appropriations, 2016 .....	\$99,559,000
Budget estimate, 2017 .....	38,679,000
Committee recommendation .....	38,679,000

The Committee recommends an appropriation of \$38,679,000. This is equal to the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
112	Modular Support Brigades .....	708	708	.....
113	Echelons Above Brigade .....	14,822	14,822	.....
114	Theater Level Assets .....	375	375	.....
115	Land Forces Operations Support .....	2,088	2,088	.....
116	Aviation Assets .....	608	608	.....
121	Force Readiness Operations Support .....	5,425	5,425	.....
131	Base Operations Support .....	14,653	14,653	.....
	Total, Operation and Maintenance, Army Reserve .....	38,679	38,679	.....

#### OPERATION AND MAINTENANCE, NAVY RESERVE

Appropriations, 2016 .....	\$31,643,000
Budget estimate, 2017 .....	26,265,000
Committee recommendation .....	26,265,000

The Committee recommends an appropriation of \$26,265,000. This is equal to the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1A5A	Aircraft Depot Maintenance .....	16,500	16,500	.....
1A9A	Aviation Logistics .....	2,522	2,522	.....
1C6C	Combat Support Forces .....	7,243	7,243	.....
	Total, Operation and Maintenance, Navy Reserve .....	26,265	26,265	.....

#### OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

Appropriations, 2016 .....	\$3,455,000
Budget estimate, 2017 .....	3,304,000
Committee recommendation .....	3,304,000

The Committee recommends an appropriation of \$3,304,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
IA1A	Operational Forces .....	2,500	2,500	.....
BSS1	Base Operating Support .....	804	804	.....
	Total, Operation and Maintenance, Marine Corps Reserve .....	3,304	3,304	.....

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

Appropriations, 2016 .....	\$58,106,000
Budget estimate, 2017 .....	57,586,000
Committee recommendation .....	57,586,000

The Committee recommends an appropriation of \$57,586,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
011M	Depot Maintenance .....	51,086	51,086	.....
011Z	Base Operating Support .....	6,500	6,500	.....
	Total, Operation and Maintenance, Air Force Reserve .....	57,586	57,586	.....

OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

Appropriations, 2016 .....	\$135,845,000
Budget estimate, 2017 .....	127,035,000
Committee recommendation .....	127,035,000

The Committee recommends an appropriation of \$127,035,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units .....	16,149	16,149	.....
112	Modular Support Brigades .....	748	748	.....
113	Echelons Above Brigade .....	34,707	34,707	.....
114	Theater Level Assets .....	10,472	10,472	.....
116	Aviation Assets .....	32,804	32,804	.....
121	Force Readiness Operations Support .....	12,435	12,435	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
131	Base Operations Support .....	18,800	18,800	.....
133	Management and Operational Headquarters .....	920	920	.....
	Total, Operation and Maintenance, Army National Guard .....	127,035	127,035	.....

**OPERATION AND MAINTENANCE, AIR NATIONAL GUARD**

Appropriations, 2016 .....	\$19,900,000
Budget estimate, 2017 .....	20,000,000
Committee recommendation .....	20,000,000

The Committee recommends an appropriation of \$20,000,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
011G	Mission Support .....	3,400	3,400	.....
011Z	Base Support .....	16,600	16,600	.....
	Total, Operation and Maintenance, Air National Guard .....	20,000	20,000	.....

**COUNTERTERRORISM PARTNERSHIPS FUND**

Appropriations, 2016 .....	\$1,100,000,000
Budget estimate, 2017 .....	1,000,000,000
Committee recommendation .....	.....

The Committee recommends no funding for the Counterterrorism Partnerships Fund.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Counterterrorism Partnerships Fund .....	1,000,000	.....	- 1,000,000
	Maintain program affordability: Maintain level of effort .....	.....	.....	- 150,000
	Transfer to Security Cooperation Enhancements, Defense-wide, DSCA, Overseas Contingency Operations ..	.....	.....	- 850,000
	Total, Counterterrorism Partnerships Fund .....	1,000,000	.....	.....

*Fund Consolidation.*—The Committee notes that in recent years the number of requests for separate Funds for various building partner capacity efforts has continued to increase, resulting in disparate funding streams often supporting the same partners for different purposes. The Committee believes this trend has hampered congressional oversight in tracking the utility and feasibility of re-

quested projects, proper execution of funds, and duplication of effort.

To address this issue, the Committee recommends a consolidation of building partner capacity efforts and a reduction in the number of funds. The Committee recommends elimination of the Counterterrorism Partnerships Fund [CTPF], originally established in fiscal year 2015 to accelerate capacity building for our counterterrorism partners. The Committee fully supports these efforts as an important force multiplier in the counterterrorism fight. However, the Committee notes that the CTPF has a similar purpose as base funding provided in the Operation and Maintenance, Defense-wide appropriation for separate building partner capacity efforts, and sees no justification for maintaining a separate fund for counterterrorism purposes.

Therefore, the Committee recommends transferring \$850,000,000 from the CTPF to the Title IX Operation and Maintenance, Defense-wide appropriation for Security Cooperation Enhancements, as authorized in S. 2943, the National Defense Authorization Act for Fiscal Year 2017, as reported. The Committee provides for 2-year availability of these funds. The Committee also recommends a reduction to the CTPF of \$150,000,000 for Syria train and equip efforts that were appropriated in the CTPF in fiscal year 2016, but requested in a separate Syria Train and Equip Fund in the fiscal year 2017 budget request without a commensurate movement of funding from the CTPF.

The Committee also recommends a consolidation of the Iraq Train and Equip and Syria Train and Equip Funds, requested in the fiscal year 2017 budget, into a single Counter-the Islamic State of Iraq and the Levant [Counter-ISIL] Train and Equip Fund. The Committee recommends the transfer of Jordan and Lebanon border security efforts currently funded in Title IX Operation and Maintenance, Defense-wide, to the Counter-ISIL Train and Equip Fund to consolidate similar efforts. The Committee hopes to work with the Department of Defense in the coming months to determine if additional transfers or fund reductions are warranted in order to return to traditional appropriation account funding and improve the ability of congressional overseers to track building partner capacity spending.

*Boko Haram.*—The fiscal year 2017 budget requests \$125,000,000, in the Counterterrorism Partnerships Fund for building partnership capacity efforts in the Lake Chad region to counter Boko Haram and promote regional stability. The Committee transferred funding for these building partner capacity efforts to the Operation and Maintenance, Defense-wide appropriation. The Committee fully supports these and other efforts to prevent Boko Haram’s freedom of movement and diminish its ability to secure material support and maintain a safe haven.

AFGHANISTAN SECURITY FORCES FUND

Appropriations, 2016 .....	\$3,652,257,000
Budget estimate, 2017 .....	3,448,715,000
Committee recommendation .....	3,448,715,000

The Committee recommends an appropriation of \$3,448,715,000. This is equal to the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Sustainment .....	2,173,341	2,173,341	.....
	Infrastructure .....	48,262	48,262	.....
	Equipment and Transportation .....	76,216	76,216	.....
	Training and Operations .....	220,139	220,139	.....
	Subtotal, Ministry of Defense .....	2,517,958	2,517,958	.....
	Sustainment .....	860,441	860,441	.....
	Infrastructure .....	20,837	20,837	.....
	Equipment and Transportation .....	8,153	8,153	.....
	Training and Operations .....	41,326	41,326	.....
	Subtotal, Ministry of Interior .....	930,757	930,757	.....
	Total, Afghanistan Security Forces Fund .....	3,448,715	3,448,715	.....

*Afghanistan Security Forces Fund.*—The Committee is concerned about reports that Afghanistan Security Forces Fund [ASFF] procurements made on behalf of the Afghan National Defense and Security Forces [ANDSF] may be exceeding Afghan needs and not meeting other requirements identified by the Afghans. The Committee is also concerned about a lack of insight into the cost benefit analysis of procuring new equipment instead of refurbishing excess equipment. The Committee encourages the Department to work to ensure that priority capability gaps identified by the Afghan security forces are met and that concerns by the Afghans about their ability to absorb equipment are addressed, either through reduced procurements or through advice to and training of ANDSF leadership to ensure that the benefits of the capability being provided are fully understood and, therefore, will be fully utilized. In addition, prior to the obligation of funds for a contract on new equipment, the Committee directs the Commander, Combined Security Transition Command-Afghanistan to provide to the congressional defense committees, a cost-benefit analysis of purchasing new equipment for the ANDSF instead of refurbishing excess defense articles.

## IRAQ TRAIN AND EQUIP FUND

Appropriations, 2016 .....	\$715,000,000
Budget estimate, 2017 .....	630,000,000
Committee recommendation .....	.....

The Committee recommends no funding for the Iraq Train and Equip Fund.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Iraq Train and Equip Fund .....	630,000	.....	- 630,000
	Transfer to Counter-ISIL Fund .....	.....	.....	- 530,000
	Improving funds management: Unobligated balances .....	.....	.....	- 100,000
	Total, Iraq Train and Equip Fund .....	630,000	.....	- 630,000

## SYRIA TRAIN AND EQUIP FUND

Appropriations, 2016 .....	.....
Budget estimate, 2017 .....	\$250,000,000
Committee recommendation .....	.....

The Committee recommends no funding for the Syria Train and Equip Fund.

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Syria Train and Equip Fund .....	250,000	.....	- 250,000
	Transfer to Counter-ISIL Fund .....	.....	.....	- 220,000
	Improving funds management: Unobligated balances .....	.....	.....	- 30,000
	Total, Syria Train and Equip Fund .....	250,000	.....	- 250,000

## COUNTER-ISIL TRAIN AND EQUIP FUND

Appropriations, 2016 .....	.....
Budget estimate, 2017 .....	.....
Committee recommendation .....	\$930,000,000

The Committee recommends an appropriation of \$930,000,000. This is \$930,000,000 above the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Counter-ISIL Train and Equip Fund .....	.....	930,000	+ 930,000
	Transfer from Iraq Train and Equip Fund .....	.....	.....	+ 530,000
	Transfer from Syria Train and Equip Fund .....	.....	.....	+ 220,000
	Transfer from Coalition Support Funds, Defense-wide, DSCA .....	.....	.....	+ 180,000
	Total, Counter-ISIL Train and Equip Fund .....	.....	930,000	+ 930,000

## PROCUREMENT

The Committee recommends \$9,949,883,000 for the procurement accounts. The Overseas Contingency Operations/Global War on Terrorism funding supports our forces engaged in Operation Enduring Freedom and other contingency operations. The Committee recommends funding to replace combat losses and equipment left behind in theater, augment and upgrade equipment for deploying units, sustain munitions and other war consumables, and reset the

units returning home to an equipment-ready status. Funding adjustments have been made in instances where the requirement was poorly defined, funding was requested ahead of need or program execution has been delayed.

**AIRCRAFT PROCUREMENT, ARMY**

Appropriations, 2016 .....	\$161,987,000
Budget estimate, 2017 .....	313,171,000
Committee recommendation .....	313,171,000

The Committee recommends an appropriation of \$313,171,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

(In thousands of dollars)

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
6	AH-64 Apache Block IIIA Reman .....	78,040	78,040	.....
15	ARL/Multi Sensor ABN Recon (MIP) .....	21,400	21,400	.....
20	EMARSS SEMA Mods (MIP) .....	42,700	42,700	.....
26	RQ-7 UAV MODS .....	1,775	1,775	.....
27	UAS MODS .....	4,420	4,420	.....
30	CMWS .....	56,115	56,115	.....
31	CIRCM .....	108,721	108,721	.....
	Total, Aircraft Procurement, Army .....	313,171	313,171	.....

**MISSILE PROCUREMENT, ARMY**

Appropriations, 2016 .....	\$37,260,000
Budget estimate, 2017 .....	632,817,000
Committee recommendation .....	632,817,000

The Committee recommends an appropriation of \$632,817,000. This is equal to the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

(In thousands of dollars)

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
4	Hellfire Sys Summary .....	455,830	455,830	.....
7	Javelin (Aaws-M) System Summary .....	15,567	15,567	.....
8	Tow 2 System Summary—Weapon System Cost .....	80,652	80,652	.....
10	Guided MLRS Rocket [GMLRS] .....	75,991	75,991	.....
12	Lethal Miniature Aerial Missile System [LMAMS] .....	4,777	4,777	.....
	Total, Missile Procurement, Army .....	632,817	632,817	.....

**PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES,  
ARMY**

Appropriations, 2016 ..... \$486,630,000  
 Budget estimate, 2017 ..... 153,544,000  
 Committee recommendation ..... 390,744,000

The Committee recommends an appropriation of \$390,744,000.  
 This is \$237,200,000 above the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
XX	Bradley Program .....		72,800	+ 72,800
	Transfer for European Reassurance Initiative: Army-re-			
	quested from Operation & Maintenance, Army .....			+ 72,800
7	Paladin Integrated Management (PIM) .....	125,184	117,384	- 7,800
	Restoring acquisition accountability: Estimated contract			
	savings .....			- 7,800
9	Assault Bridge (Mod) .....	5,950	5,950	.....
14	Abrams Upgrade Program .....		172,200	+ 172,200
	Transfer for European Reassurance Initiative: Army-re-			
	quested from Operation & Maintenance, Army .....			+ 172,200
17	Mortar Systems .....	22,410	22,410	.....
	Total, Weapons and Tracked Combat Vehicles, Army ..	153,544	390,744	+ 237,200

**PROCUREMENT OF AMMUNITION, ARMY**

Appropriations, 2016 ..... \$222,040,000  
 Budget estimate, 2017 ..... 301,523,000  
 Committee recommendation ..... 290,670,000

The Committee recommends an appropriation of \$290,670,000.  
 This is \$10,853,000 below the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
2	CTG, 7.62mm, All Types .....	9,642	9,642	.....
4	CTG, .50 Cal, All Types .....	6,607	6,607	.....
5	CTG, 20mm, All Types .....	1,077	1,077	.....
6	CTG, 25mm, All Types .....	28,534	28,534	.....
7	CTG, 30mm, All Types .....	20,000	20,000	.....
8	CTG, 40mm, All Types .....	7,423	6,923	- 500
	Restoring acquisition accountability: Unit cost growth ...			- 500
9	60MM Mortar, All Types .....	10,000	10,000	.....
10	81MM Mortar, All Types .....	2,677	2,677	.....
12	Cartridges, Tank, 105MM and 120MM, All Types .....	8,999	8,999	.....
14	Artillery Projectile, 155MM, All Types .....	30,348	30,348	.....
15	Proj 155mm Extended Range M982 .....	140	140	.....
16	Artillery Propellants, Fuzes and Primers, All .....	29,655	29,655	.....
17	Mines & Clearing Charges, All Types .....	16,866	16,866	.....
18	Spider Network Munitions, All Types .....	10,353	.....	- 10,353



[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: Army identified excess funds .....			-10,353
19	Shoulder Launched Munitions, All Types .....	63,210	63,210	
20	Rocket, Hydra 70, All Types .....	42,851	42,851	
22	Demolition Munitions, All Types .....	6,373	6,373	
23	Grenades, All Types .....	4,143	4,143	
24	Signals, All Types .....	1,852	1,852	
27	Non-Lethal Ammunition, All Types .....	773	773	
	Total, Procurement of Ammunition, Army .....	301,523	290,670	-10,853

### OTHER PROCUREMENT, ARMY

Appropriations, 2016 .....	\$1,175,596,000
Budget estimate, 2017 .....	1,373,010,000
Committee recommendation .....	1,343,010,000

The Committee recommends an appropriation of \$1,343,010,000. This is \$30,000,000 below the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
2	Semitrailers, Flatbed: .....	4,180	4,180	
8	Family of Medium Tactical Veh [FMTV] .....	299,476	299,476	
10	Family of Heavy Tactical Vehicles [FHTV] .....	6,122	6,122	
11	Pls Esp .....	106,358	106,358	
12	Hvy Expanded Mobile Tactical Truck Ext Serv .....	203,766	203,766	
13	Tactical Wheeled Vehicle Protection Kits .....	101,154	101,154	
14	Modification of In Svc Equip .....	155,456	125,456	-30,000
	Maintain program affordability: Maintain level of effort .....			-30,000
19	Win-T—Ground Forces Tactical Network .....	9,572	9,572	
25	SHF Term .....	24,000	24,000	
47	CI Automation Architecture .....	1,550	1,550	
51	Communications Security [COMSEC] .....	1,928	1,928	
56	Installation Info Infrastructure Mod Program .....	20,510	20,510	
62	DCGS-A (MIP) .....	33,032	33,032	
64	Trojan (MIP) .....	3,305	3,305	
66	CI HUMINT Auto Reprting and Coll [CHARCS] .....	7,233	7,233	
69	Biometric Tactical Collection Devices (MIP) .....	5,670	5,670	
70	Lightweight Counter Mortar Radar .....	25,892	25,892	
74	Family Of Persistent Surveillance Capabilitie .....	11,610	11,610	
75	Counterintelligence/Security Countermeasures .....	23,890	23,890	
80	Indirect Fire Protection Family of Systems .....	4,270	4,270	
89	Mortar Fire Control System .....	2,572	2,572	
92	AIR & MSL Defense Planning & Control Sys .....	69,958	69,958	
102	Automated Data Processing Equip .....	9,900	9,900	
108	Items Less Than \$5M (Surveying Equipment) .....	96	96	
114	CBRN Defense .....	1,841	1,841	
115	Tactical Bridging .....	26,000	26,000	
124	Robotics and Applique Systems .....	268	268	
128	Family of Boats and Motors .....	280	280	
129	Heaters and ECU'S .....	894	894	
134	Force Provider .....	53,800	53,800	
135	Field Feeding Equipment .....	2,665	2,665	
136	Cargo Aerial Del & Personnel Parachute System .....	2,400	2,400	
137	Family of Engr Combat and Construction Sets .....	9,789	9,789	

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
138	Items Less Than \$5M (Eng Spt) .....	300	300	.....
139	Quality Surveillance Equipment .....	4,800	4,800	.....
140	Distribution Systems, Petroleum & Water .....	78,240	78,240	.....
141	Combat Support Medical .....	5,763	5,763	.....
142	Mobile Maintenance Equipment Systems .....	1,609	1,609	.....
143	Items Less Than \$5.0M (Maint Eq) .....	145	145	.....
144	Grader, Road Mtzd, Hvy, 6x4 (CCE) .....	3,047	3,047	.....
148	Tractor, Full Tracked .....	4,426	4,426	.....
151	High Mobility Engineer Excavator [HMEE] .....	2,900	2,900	.....
155	Items Less Than \$5.0M (Const Equip) .....	96	96	.....
158	Generators and Associated Equip .....	31,761	31,761	.....
160	Family of Forklifts .....	846	846	.....
168	Test Equipment Modernization [TEMOD] .....	1,140	1,140	.....
170	Rapid Equipping Soldier Support Equipment .....	8,500	8,500	.....
	Total, Other Procurement, Army .....	1,373,010	1,343,010	- 30,000

#### AIRCRAFT PROCUREMENT, NAVY

Appropriations, 2016 .....	\$210,990,000
Budget estimate, 2017 .....	393,030,000
Committee recommendation .....	384,930,000

The Committee recommends an appropriation of \$384,930,000. This is \$8,100,000 below the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
2	F/A-18E/F (Fighter) Hornet .....	184,912	184,912	.....
26	STUASLO UAV .....	70,000	61,900	- 8,100
	Restoring acquisition accountability: Interim contractor support growth .....			- 8,100
35	SH-60 Series .....	3,000	3,000	.....
36	H-1 Series .....	3,740	3,740	.....
37	EP-3 Series .....	7,505	7,505	.....
47	Special Project Aircraft .....	14,869	14,869	.....
51	Common ECM Equipment .....	98,240	98,240	.....
59	V-22 (Tilt/Rotor ACFT) Osprey .....	8,740	8,740	.....
63	Spares and Repair Parts .....	1,500	1,500	.....
65	Aircraft Industrial Facilities .....	524	524	.....
	Total, Aircraft Procurement, Navy .....	393,030	384,930	- 8,100

#### WEAPONS PROCUREMENT, NAVY

Appropriations, 2016 .....	\$8,600,000
Budget estimate, 2017 .....	8,600,000
Committee recommendation .....	8,600,000

The Committee recommends an appropriation of \$8,600,000. This is equal to the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
10	Hellfire .....	8,600	8,600	.....
	Total, Weapons Procurement, Navy .....	8,600	8,600	.....

## PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

Appropriations, 2016 .....	\$117,966,000
Budget estimate, 2017 .....	66,229,000
Committee recommendation .....	65,699,000

The Committee recommends an appropriation of \$65,699,000. This is \$530,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	General Purpose Bombs .....	40,366	40,366	.....
2	Airborne Rockets, All Types .....	8,860	8,860	.....
6	Air Expendable Countermeasures .....	7,060	7,060	.....
13	Pyrotechnic and Demolition .....	1,122	1,122	.....
14	Ammunition Less Than \$5 Million .....	3,495	3,495	.....
15	Small Arms Ammunition .....	1,205	1,205	.....
17	40 Mm, All Types .....	539	539	.....
18	60mm, All Types .....	909	909	.....
20	120mm, All Types .....	530	.....	- 530
	Improving funds management: Forward financing .....	.....	.....	- 530
22	Rockets, All Types .....	469	469	.....
23	Artillery, All Types .....	1,196	1,196	.....
24	Demolition Munitions, All Types .....	261	261	.....
25	Fuze, All Types .....	217	217	.....
	Total, Procurement of Ammunition, Navy and Marine Corps .....	66,229	65,699	- 530

## OTHER PROCUREMENT, NAVY

Appropriations, 2016 .....	\$12,186,000
Budget estimate, 2017 .....	124,206,000
Committee recommendation .....	99,811,000

The Committee recommends an appropriation of \$99,811,000. This is \$24,395,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
81	DCGS-N .....	12,000	12,000	.....
116	Explosive Ordnance Disposal Equip .....	99,329	74,934	- 24,395
	Improving funds management: Prior year carryover due to contract delay .....			- 24,395
124	Fire Fighting Equipment .....	630	630	.....
133	First Destination Transportation .....	25	25	.....
137	Command Support Equipment .....	10,562	10,562	.....
	Classified Programs .....	1,660	1,660	.....
	Total, Other Procurement, Navy .....	124,206	99,811	- 24,395

### PROCUREMENT, MARINE CORPS

Appropriations, 2016 .....	\$56,934,000
Budget estimate, 2017 .....	118,939,000
Committee recommendation .....	118,939,000

The Committee recommends an appropriation of \$118,939,000. This is equal to the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
6	Weapons and Combat Vehicles Under \$5 Million .....	572	572	.....
10	Javelin .....	1,606	1,606	.....
18	Modification Kits .....	2,600	2,600	.....
19	Items Under \$5 Million (Comm & Elec) .....	2,200	2,200	.....
26	Intelligence Support Equipment .....	20,981	20,981	.....
29	RQ-11 UAV .....	3,817	3,817	.....
35	Common Computer Resources .....	2,600	2,600	.....
37	Radio Systems .....	9,563	9,563	.....
53	EOD Systems .....	75,000	75,000	.....
	Total, Procurement, Marine Corps .....	118,939	118,939	.....

### AIRCRAFT PROCUREMENT, AIR FORCE

Appropriations, 2016 .....	\$128,900,000
Budget estimate, 2017 .....	859,399,000
Committee recommendation .....	794,099,000

The Committee recommends an appropriation of \$794,099,000. This is \$65,300,000 below the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
4	C-130J .....	73,000	73,000	.....
15	MQ-9 .....	453,030	366,030	- 87,000
	Maintain program affordability: Excess initial spares .....			- 27,000

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Transfer MQ-9 spares: Air Force-requested to Initial Spares Line #61 OCO .....			-60,000
19	Large Aircraft Infrared Countermeasures .....	135,801	135,801	
20	A-10 .....	23,850	23,850	
47	E-3 .....	6,600	6,600	
56	HC/MC-130 Modifications .....	13,550	13,550	
57	Other Aircraft .....	7,500	7,500	
59	MQ-9 Mods .....	112,068	73,768	-38,300
	Maintain program affordability: Early to need .....			-38,300
61	Initial Spares/Repair Parts .....	25,600	85,600	+60,000
	Transfer MQ-9 spares: Air Force-requested from MQ-9 Line #15 OCO .....			+60,000
77	Other Production Charges .....	8,400	8,400	
	Total, Aircraft Procurement, Air Force .....	859,399	794,099	-65,300

### MISSILE PROCUREMENT, AIR FORCE

Appropriations, 2016 .....	\$289,142,000
Budget estimate, 2017 .....	339,545,000
Committee recommendation .....	322,745,000

The Committee recommends an appropriation of \$322,745,000. This is \$16,800,000 below the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
6	Predator Hellfire Missile .....	145,125	145,125	
7	Small Diameter Bomb .....	167,800	151,000	-16,800
	Restoring acquisition accountability: Unit cost growth .....			-16,800
11	AGM-65D Maverick .....	26,620	26,620	
	Total, Missile Procurement, Air Force .....	339,545	322,745	-16,800

### PROCUREMENT OF AMMUNITION, AIR FORCE

Appropriations, 2016 .....	\$228,874,000
Budget estimate, 2017 .....	487,408,000
Committee recommendation .....	474,908,000

The Committee recommends an appropriation of \$474,908,000. This is \$12,500,000 below the budget estimate.

### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	Rockets .....	60,000	60,000	
2	Cartridges .....	9,830	9,830	
4	General Purpose Bombs .....	7,921	7,921	

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
6	Joint Direct Attack Munition .....	403,126	390,626	- 12,500
	Restoring acquisition accountability: Unit cost pricing adjustment .....			- 12,500
12	Flares .....	6,531	6,531	.....
	Total, Procurement of Ammunition, Air Force .....	487,408	474,908	- 12,500

## OTHER PROCUREMENT, AIR FORCE

Appropriations, 2016 .....	\$3,477,001,000
Budget estimate, 2017 .....	3,696,281,000
Committee recommendation .....	3,590,556,000

The Committee recommends an appropriation of \$3,590,556,000. This is \$105,725,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	Passenger Carrying Vehicles .....	2,003	2,003	.....
2	Medium Tactical Vehicle .....	9,066	9,066	.....
4	Items Less Than \$5 Million .....	12,264	12,264	.....
6	Items Less Than \$5 Million .....	16,789	16,789	.....
7	Fire Fighting/Crash Rescue Vehicles .....	48,590	48,590	.....
8	Items Less Than \$5 Million .....	2,366	2,366	.....
9	Runway Snow Remov & Cleaning Equip .....	6,468	6,468	.....
10	Items Less Than \$5 Million .....	9,271	9,271	.....
16	Air Traffic Control & Landing Sys .....	42,650	21,325	- 21,325
	Restoring acquisition accountability: Schedule slips (D-ILS) .....			- 21,325
29	Air Force Physical Security System .....	7,500	7,500	.....
33	C3 Countermeasures .....	620	620	.....
52	Tactical C-E Equipment .....	8,100	8,100	.....
56	Comm Elect Mods .....	3,800	3,800	.....
61	Engineering and EOD Equipment .....	53,900	53,900	.....
67	DCGS-AF .....	800	800	.....
	Classified Programs .....	3,472,094	3,387,694	- 84,400
	Classified adjustment .....			- 84,400
	Total, Other Procurement, Air Force .....	3,696,281	3,590,556	- 105,725

## PROCUREMENT, DEFENSE-WIDE

Appropriations, 2016 .....	\$173,918,000
Budget estimate, 2017 .....	238,434,000
Committee recommendation .....	219,184,000

The Committee recommends an appropriation of \$219,184,000. This is \$19,250,000 below the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
7	Teleport Program .....	3,900	3,900	.....
16	Defense Information Systems Network .....	2,000	2,000	.....
	Classified Programs .....	32,482	32,482	.....
41	MC-12 .....	5,000	5,000	.....
43	Unmanned ISR .....	11,880	11,880	.....
46	U-28 .....	38,283	38,283	.....
57	Ordnance Items <\$5M .....	52,504	52,504	.....
58	Intelligence Systems .....	22,000	22,000	.....
60	Other Items <\$5M .....	11,580	11,580	.....
62	Special Programs .....	13,549	13,549	.....
63	Tactical Vehicles .....	3,200	3,200	.....
69	Operational Enhancements .....	42,056	22,806	- 19,250
	Classified adjustment .....	.....	.....	- 19,250
	Total, Procurement, Defense-Wide .....	238,434	219,184	- 19,250

### NATIONAL GUARD AND RESERVE EQUIPMENT

Appropriations, 2016 .....	\$1,000,000,000
Budget estimate, 2017 .....	.....
Committee recommendation .....	900,000,000

The Committee recommends an appropriation of \$900,000,000. This is \$900,000,000 above the budget estimate.

The appropriation includes direction for the component commanders of the Army Reserve, Marine Forces Reserve, Air Force Reserve, Army National Guard and Air National Guard to submit to the congressional defense committees a detailed assessment of their component's modernization priorities, not later than 30 days after enactment of this act.

### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Item	2017 budget estimate	Committee recommendation	Change from budget estimate
NATIONAL GUARD AND RESERVE EQUIPMENT			
RESERVE EQUIPMENT:			
ARMY RESERVE:			
Program increase: Miscellaneous equipment .....	.....	115,000	+ 115,000
NAVY RESERVE:			
Program increase: Additional two C-40 aircraft .....	.....	207,500	+ 207,500
MARINE CORPS RESERVE:			
Program increase: Miscellaneous equipment .....	.....	20,000	+ 20,000
AIR FORCE RESERVE:			
Program increase: Miscellaneous equipment .....	.....	115,000	+ 115,000
TOTAL, RESERVE EQUIPMENT .....	.....	457,500	+ 457,500
NATIONAL GUARD EQUIPMENT:			
ARMY NATIONAL GUARD:			
Program increase: Miscellaneous equipment .....	.....	250,000	+ 250,000
AIR NATIONAL GUARD:			
Program increase: Additional two C-130J aircraft .....	.....	160,000	+ 160,000
Program increase: Miscellaneous equipment .....	.....	32,500	+ 32,500

[In thousands of dollars]

Item	2017 budget estimate	Committee recommendation	Change from budget estimate
TOTAL, NATIONAL GUARD EQUIPMENT .....	.....	442,500	+ 442,500
TOTAL, NATIONAL GUARD AND RESERVE EQUIPMENT .....	.....	900,000	+ 900,000

*High-Priority Items.*—The Committee directs that the National Guard and Reserve Equipment account shall be executed by the Chiefs of the National Guard and reserve components with priority consideration given to the following items: Control Technologies for HMMWV, Digital Radar Warning Receiver [ALR-69A] for ANG F-16 and C-130, Large Aircraft Infrared Countermeasures System, Generation 4 Targeting Pods, Electro-Optical Infrared Sensors, Hail and Warning Escalation of Force Systems, Out of Band Infrared Pointer and Illuminator Systems, Near Infrared Aiming and Illumination Systems, CAC VPN Connection with Pre-Tunnel Authentication, Acoustic Hailing Devices, Sense and Avoid Systems for MQ-9, Multi-temperature Refrigerated Container Systems, Modular Fuel Systems, Palletized Loading Systems, Semi-trailers, Frequency Hopping Multiplexers, Mandible Protection, In-Flight Propeller Balancing Systems, Combat Uniforms and Cold Weather Protective Clothing, Air Broadband for C-12, AN/PDR-75A Radiac Sets, Chemical Biological Protective Shelters, Lightweight Wide-area Motion Imagery Systems, and Advanced Cargo Handling Systems for CH-47.

#### RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The Committee recommends \$374,169,000 for research, development, test and evaluation.

#### RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Appropriations, 2016 .....	\$1,500,000
Budget estimate, 2017 .....	100,522,000
Committee recommendation .....	100,522,000

The Committee recommends an appropriation of \$100,522,000. This is equal to the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
55	Army Space Systems Integration .....	9,375	9,375	.....
90	Non-System Training Devices—Eng Dev .....	33	33	.....
117	Common Infrared Countermeasures [CIRCM] .....	10,900	10,900	.....
122	Aircraft Survivability Development .....	73,110	73,110	.....
207	Biometrics Enabled Intelligence .....	7,104	7,104	.....
	Total, Research, Development Test and Evaluation, Army .....	100,522	100,522	.....



## RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Appropriations, 2016 .....	\$35,747,000
Budget estimate, 2017 .....	78,323,000
Committee recommendation .....	78,323,000

The Committee recommends an appropriation of \$78,323,000. This is equal to the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
38	RETRACT LARCH .....	3,907	3,907	.....
78	Tactical Air Directional Infrared Countermeasures [TADIRCM] ..	37,990	37,990	.....
999	Classified Programs .....	36,426	36,426	.....
	Total, Research, Development, Test and Evaluation, Navy .....	78,323	78,323	.....

## RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Appropriations, 2016 .....	\$17,100,000
Budget estimate, 2017 .....	32,905,000
Committee recommendation .....	32,905,000

The Committee recommends an appropriation of \$32,905,000. This is equal to the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
58	Counterspace Systems .....	425	425	.....
200	Space Innovation, Integration and Rapid Technology Development .....	4,715	4,715	.....
	Classified Programs .....	27,765	27,765	.....
	Total, Research, Development, Test and Evaluation, Air Force .....	32,905	32,905	.....

## RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Appropriations, 2016 .....	\$177,087,000
Budget estimate, 2017 .....	162,419,000
Committee recommendation .....	162,419,000

The Committee recommends an appropriation of \$162,419,000. This is equal to the budget estimate.

## COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Classified Programs .....	162,419	162,419	.....
	Total, Research, Development, Test and Evaluation, Defense-Wide .....	162,419	162,419	.....

## REVOLVING AND MANAGEMENT FUNDS

### DEFENSE WORKING CAPITAL FUNDS

Appropriations, 2016 .....	\$88,850,000
Budget estimate, 2017 .....	140,633,000
Committee recommendation .....	140,633,000

The Committee recommends an appropriation of \$140,633,000. This is equal to the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table details the programs recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Supply Management, Army .....	46,833	46,833	.....
	Total, Defense Working Capital Fund, Army .....	46,833	46,833	.....
	Defense Logistics Agency .....	93,800	93,800	.....
	Total, Defense Working Capital Fund, Defense-wide ...	93,800	93,800	.....
	Grand Total, Defense Working Capital Funds .....	140,633	140,633	.....

## OTHER DEPARTMENT OF DEFENSE PROGRAMS

### DEFENSE HEALTH PROGRAM

Appropriations, 2016 .....	\$272,704,000
Budget estimate, 2017 .....	331,764,000
Committee recommendation .....	331,764,000

The Committee recommends an appropriation of \$331,764,000. This is equal to the budget estimate.

#### COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Operation and Maintenance .....			.....
	In-House Care .....	95,366	95,366	.....
	Private Sector Care .....	233,073	233,073	.....
	Consolidated Health Care .....	3,325	3,325	.....

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
	Total, Defense Health Program .....	331,764	331,764	.....

**DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE**

Appropriations, 2016 .....	\$186,000,000
Budget estimate, 2017 .....	215,333,000
Committee recommendation .....	215,333,000

The Committee recommends an appropriation of \$215,333,000. This is equal to the budget estimate.

**JOINT IMPROVISED-THREAT DEFEAT FUND**

Appropriations, 2016 .....	\$349,464,000
Budget estimate, 2017 .....	408,272,000
Committee recommendation .....	333,272,000

The Committee recommends an appropriation of \$333,272,000. This is \$75,000,000 below the budget estimate.

**COMMITTEE RECOMMENDED PROGRAM**

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2017 budget estimate	Committee recommendation	Change from budget estimate
1	Rapid Acquisition and Threat Response .....	345,472	.....	- 345,472
	Transfer Rapid Acquisition and Threat Response to Line #2 Rapid Capability Delivery .....	.....	.....	- 107,286
	Transfer Rapid Acquisition and Threat Response to Line #3 Assist Situational Understanding .....	.....	.....	- 200,886
	Transfer Rapid Acquisition and Threat Response to Line #4 Enable DOD Responsiveness .....	.....	.....	- 37,300
2	Rapid Capability Delivery .....	.....	95,086	+ 95,086
	Transfer Rapid Capability Delivery from Rapid Acquisition and Threat Response .....	.....	.....	+ 107,286
	Improving funds management: Prior year carryover .....	.....	.....	- 12,200
3	Assist Situational Understanding .....	.....	200,886	+ 200,886
	Transfer Assist Situational Understanding from Rapid Acquisition and Threat Response .....	.....	.....	+ 200,886
4	Enable DOD Responsiveness .....	.....	37,300	+ 37,300
	Transfer Enable DOD Responsiveness from Rapid Acquisition and Threat Response .....	.....	.....	+ 37,300
5	Mission Enablers .....	62,800	.....	- 62,800
	Transfer: JIDF OCO Mission Enablers to DTRA OM,DW OCO .....	.....	.....	- 62,800
	Total, Joint Improvised-Threat Defeat Fund .....	408,272	333,272	- 75,000

*Joint Improvised-Threat Defeat Fund [JIDF].*—The fiscal year 2017 budget request includes \$408,272,000 in Overseas Contingency Operations/Global War on Terrorism [OCO/GWOT] funding. To preserve the essential joint capabilities of JIDF and eliminate any duplication with service capabilities, the Committee recommends transferring \$62,800,000 to the Defense Threat Reduction Agency Operations and Maintenance, Defense-Wide OCO/GWOT account.

*Standoff Improvised Explosive Device Detection.*—The Committee recognizes the value of using hyperspectral imaging [HSI] technologies for standoff detection of Improvised Explosive Devices [IEDs] and for detection of the explosive constituent chemicals and other materials used in the manufacture of IEDs such as nitrates, nitrites, phosphates, and ammonia. The Committee believes that these technologies have promising application on remotely piloted systems. The Committee encourages the Joint Improvised-Threat Defeat Agency to explore the efficacy of deploying HSI sensor technology on remotely pilot systems for the purposes of defeating improvised explosives and other explosive threats.

OFFICE OF THE INSPECTOR GENERAL

Appropriations, 2016 .....	\$10,262,000
Budget estimate, 2017 .....	22,062,000
Committee recommendation .....	22,062,000

The Committee recommends an appropriation of \$22,062,000. This is equal to the budget estimate.

## GENERAL PROVISIONS—THIS TITLE

SEC. 9001. *Funds in Addition to Base.*—Retains and modifies a provision carried in previous years.

SEC. 9002. *Special Transfer Authority.*—Retains and modifies a provision carried in previous years.

SEC. 9003. *Supervision and Administration Costs.*—Retains and modifies a provision carried in previous years.

SEC. 9004. *Vehicle Procurement.*—Retains a provision carried in previous years.

SEC. 9005. *Commander's Emergency Response Program.*—Retains a provision carried in previous years.

SEC. 9006. *Coalition Lift and Sustainment.*—Retains and modifies a provision carried in previous years.

SEC. 9007. *Permanent Military Installations.*—Retains a provision carried in previous years.

SEC. 9008. *U.N. Convention Against Torture.*—Retains a provision carried in previous years.

SEC. 9009. *Afghanistan Resource Oversight Council.*—Retains a provision carried in previous years.

SEC. 9010. *Investment Unit Cost.*—Retains a provision carried in previous years.

SEC. 9011. *Coalition Support Funds.*—Retains a provision carried in previous years.

SEC. 9012. *Syria War Powers Contravention.*—Retains a provision carried in previous years.

SEC. 9013. *C-130 Cargo Aircraft Transfers.*—Retains a provision carried in previous years.

SEC. 9014. *Rescissions.*—The Committee recommends a general provision rescinding funds from prior years as displayed below:

	Amount
2016 Appropriations	
Other Procurement, Air Force:	
Classified Programs .....	\$169,000,000
Afghanistan Security Forces Fund .....	400,000,000

SEC. 9015. *Rescissions.*—The Committee recommends an additional general provision rescinding funds from prior years as displayed below:

	Amount
2011 Appropriations	
Operation and Maintenance, Defense-wide:	
Coalition Support Funds .....	\$14,244,000

SEC. 9016. *O&M Readiness Funds and Transfer Authority.*—Inserts a new provision which provides for O&M Readiness Funds and Transfer Authority.

SEC. 9017. *Emergency Designation.*—Retains a provision carried in previous years.

COMPLIANCE WITH PARAGRAPH 7, RULE XVI OF THE  
STANDING RULES OF THE SENATE

Paragraph 7 of rule XVI requires that Committee reports on general appropriations bills identify each Committee amendment to the House bill “which proposes an item of appropriation which is not made to carry out the provisions of an existing law, a treaty stipulation, or an act or resolution previously passed by the Senate during that session.”

The Committee recommends funding for the following accounts which currently lack authorization for fiscal year 2017:

Military Personnel, Army  
Military Personnel, Navy  
Military Personnel, Marine Corps  
Military Personnel, Air Force  
Reserve Personnel, Army  
Reserve Personnel, Navy  
Reserve Personnel, Marine Corps  
Reserve Personnel, Air Force  
National Guard Personnel, Army  
National Guard Personnel, Air Force  
Operation and Maintenance, Army  
Operation and Maintenance, Navy  
Operation and Maintenance, Marine Corps  
Operation and Maintenance, Air Force  
Operation and Maintenance, Defense-Wide  
Operation and Maintenance, Army Reserve  
Operation and Maintenance, Navy Reserve  
Operation and Maintenance, Marine Corps Reserve  
Operation and Maintenance, Air Force Reserve  
Operation and Maintenance, Army National Guard  
Operation and Maintenance, Air National Guard  
United States Court of Appeals for the Armed Forces  
Environmental Restoration, Army  
Environmental Restoration, Navy  
Environmental Restoration, Air Force  
Environmental Restoration, Defense-Wide  
Environmental Restoration, Formerly Used Defense Sites  
Overseas Humanitarian, Disaster, and Civic Aid  
Cooperative Threat Reduction Account  
Afghanistan Security Forces Fund  
Counter-ISIL Train and Equip Fund  
Aircraft Procurement, Army  
Missile Procurement, Army  
Procurement of Weapons and Tracked Combat Vehicles, Army  
Procurement of Ammunition, Army  
Other Procurement, Army  
Aircraft Procurement, Navy

Weapons Procurement, Navy  
Procurement of Ammunition, Navy and Marine Corps  
Shipbuilding and Conversion, Navy  
Ohio Replacement Submarine [AP]  
Carrier Replacement Program  
Carrier Replacement Program [AP]  
Virginia Class Submarine  
Virginia Class Submarine [AP]  
CVN Refueling Overhauls  
CVN Refueling Overhauls [AP]  
DDG-1000 Program  
DDG-51 Destroyer  
Littoral Combat Ship  
LX(R) [AP]  
LHA Replacement [AP]  
TAO Fleet Oiler  
Moored Training ship [AP]  
Polar Icebreaker  
Outfitting, Post Delivery, Conversions and First Destination  
Transportation  
Ship to Shore Connector  
Service Craft  
LCAC Service Life Extension Program  
YP Craft Maintenance/ROH/SLEP  
Completion of Prior Year Shipbuilding Programs  
Other Procurement, Navy  
Procurement, Marine Corps  
Aircraft Procurement, Air Force  
Missile Procurement, Air Force  
Space Procurement, Air Force  
Procurement of Ammunition, Air Force  
Other Procurement, Air Force  
Procurement, Defense-Wide  
National Guard and Reserve Equipment  
Research, Development, Test and Evaluation, Army  
Research, Development, Test and Evaluation, Navy  
Research, Development, Test and Evaluation, Air Force  
Research, Development, Test and Evaluation, Defense-Wide  
Operational Test and Evaluation, Defense  
Defense Working Capital Funds  
Defense Health Program  
Chemical Agents and Munitions Destruction, Defense  
Drug Interdiction and Counter-Drug Activities, Defense  
Joint Improvised Explosive Device Defeat Fund  
Office of the Inspector General  
Intelligence Community Management Account

COMPLIANCE WITH PARAGRAPH 7(c), RULE XXVI OF THE  
STANDING RULES OF THE SENATE

Pursuant to paragraph 7(c) of rule XXVI, on May 26, 2016, the Committee ordered favorably reported an original bill (S. 3000) making appropriations for the Department of Defense for the fiscal year ending September 30, 2017, and for other purposes, provided, that the bill be subject to amendment and that the bill be consistent with its budget allocation, and provided that the Chairman of the Committee or his designee be authorized to offer the substance of the original bill as a Committee amendment in the nature of a substitute to the House companion measure, by a recorded vote of 30–0, a quorum being present. The vote was as follows:

Yeas	Nays
Chairman Cochran	
Mr. McConnell	
Mr. Shelby	
Mr. Alexander	
Ms. Collins	
Ms. Murkowski	
Mr. Graham	
Mr. Kirk	
Mr. Blunt	
Mr. Moran	
Mr. Hoeven	
Mr. Boozman	
Mrs. Capito	
Mr. Cassidy	
Mr. Lankford	
Mr. Daines	
Ms. Mikulski	
Mr. Leahy	
Mrs. Murray	
Mrs. Feinstein	
Mr. Durbin	
Mr. Reed	
Mr. Tester	
Mr. Udall	
Mrs. Shaheen	
Mr. Merkley	
Mr. Coons	
Mr. Schatz	
Ms. Baldwin	
Mr. Murphy	

COMPLIANCE WITH PARAGRAPH 12, RULE XXVI OF THE  
STANDING RULES OF THE SENATE

Paragraph 12 of rule XXVI requires that Committee reports on a bill or joint resolution repealing or amending any statute or part of any statute include “(a) the text of the statute or part thereof which is proposed to be repealed; and (b) a comparative print of that part of the bill or joint resolution making the amendment and of the statute or part thereof proposed to be amended, showing by



stricken-through type and italics, parallel columns, or other appropriate typographical devices the omissions and insertions which would be made by the bill or joint resolution if enacted in the form recommended by the Committee.”

The Committee bill as recommended contains no such provisions.

### BUDGETARY IMPACT OF BILL

PREPARED IN CONSULTATION WITH THE CONGRESSIONAL BUDGET OFFICE PURSUANT TO SEC.  
308(a), PUBLIC LAW 93-344, AS AMENDED

[In millions of dollars]

	Budget authority		Outlays	
	Committee allocation	Amount in bill	Committee allocation	Amount in bill
Comparison of amounts in the bill with the subcommittee allocation for 2017: Subcommittee on Defense:				
Mandatory .....	514	514	514	<sup>1</sup> 514
Discretionary .....	515,950	574,585	527,588	<sup>1</sup> 559,785
Security .....	515,813	574,448	NA	NA
Nonsecurity .....	137	137	NA	NA
Projection of outlays associated with the recommendation:				
2017 .....				<sup>2</sup> 356,916
2018 .....				130,670
2019 .....				46,313
2020 .....				18,802
2021 and future years .....				16,614
Financial assistance to State and local governments for 2017 .....	NA		NA	

<sup>1</sup> Includes outlays from prior-year budget authority.

<sup>2</sup> Excludes outlays from prior-year budget authority.

NA: Not applicable.

NOTE.—Consistent with the funding recommended in the bill for overseas contingency operations and in accordance with subparagraph (A)(ii) of section 251(b)(2) of the BBEDCA of 1985, the Committee anticipates that the Budget Committee will provide a revised 302(a) allocation for the Committee on Appropriations reflecting an upward adjustment of \$58,635,000,000 in budget authority plus the associated outlays.

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2016 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2017  
 (In thousands of dollars)

Item	2016 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2016 appropriation	Budget estimate
<b>TITLE I</b>					
<b>MILITARY PERSONNEL</b>					
Military personnel, Army .....	41,045,562	40,028,182	39,962,113	-1,083,449	-66,069
Military personnel, Navy .....	27,835,183	27,951,605	27,712,455	-122,728	-239,150
Military personnel, Marine Corps .....	12,859,152	12,813,412	12,698,935	-160,217	-114,477
Military personnel, Air Force .....	27,679,066	27,944,615	27,706,468	+27,402	-238,147
Reserve personnel, Army .....	4,463,164	4,561,703	4,466,763	+3,599	-94,940
Reserve personnel, Navy .....	1,866,891	1,924,155	1,918,395	+51,504	-5,760
Reserve personnel, Marine Corps .....	702,481	744,995	743,265	+40,784	-1,730
Reserve personnel, Air Force .....	1,682,942	1,742,906	1,715,360	+32,418	-27,546
National Guard personnel, Army .....	7,892,327	7,910,694	7,781,224	-111,103	-129,470
National Guard personnel, Air Force .....	3,201,890	3,280,065	3,271,538	+69,648	-8,527
Total, Title I, Military personnel .....	129,228,658	128,902,332	127,976,516	-1,252,142	-925,816
<b>TITLE II</b>					
<b>OPERATION AND MAINTENANCE</b>					
Operation and maintenance, Army .....	32,399,440	33,809,040	33,550,500	+1,151,060	-258,540
Operation and maintenance, Navy .....	39,600,172	39,483,581	39,590,181	-9,991	+106,600
Operation and maintenance, Marine Corps .....	5,718,074	5,954,258	6,000,258	+282,184	+46,000
Operation and maintenance, Air Force .....	35,727,457	37,518,056	37,260,692	+1,533,235	-257,364
Operation and maintenance, Defense-Wide .....	32,105,040	32,571,590	32,478,682	+373,642	-92,908
Operation and maintenance, Army Reserve .....	2,646,911	2,712,331	2,704,531	+57,620	-7,800
Operation and maintenance, Navy Reserve .....	998,481	927,656	927,656	-70,825	.....
Operation and maintenance, Marine Corps Reserve .....	274,526	270,633	270,633	-3,893	.....
Operation and maintenance, Air Force Reserve .....	2,980,768	3,067,929	3,050,929	+70,161	-17,000
Operation and maintenance, Army National Guard .....	6,595,483	6,825,370	6,765,385	+169,902	-59,985
Operation and maintenance, Air National Guard .....	6,820,569	6,703,578	6,600,000	-220,569	-103,578

United States Court of Appeals for the Armed Forces .....	14,078	14,194	14,194	14,194	+ 116	.....
Environmental restoration, Army .....	234,829	170,167	170,167	170,167	- 64,662	.....
Environmental restoration, Navy .....	300,000	281,762	281,762	281,762	- 18,238	.....
Environmental restoration, Air Force .....	368,131	371,521	371,521	371,521	+ 3,390	.....
Environmental restoration, Defense-Wide .....	.....	9,009	9,009	9,009	+ 777	.....
Environmental restoration, formerly used defense sites .....	231,217	197,084	207,084	207,084	- 24,133	+ 10,000
Overseas Humanitarian, Disaster, and Civic Aid .....	103,266	105,125	120,125	120,125	+ 16,889	+ 15,000
Cooperative Threat Reduction Account .....	358,496	325,604	325,604	325,604	- 32,892	.....
Total, Title II, Operation and maintenance .....	167,485,170	171,318,488	170,698,913	170,698,913	+ 3,213,743	- 619,575
TITLE III PROCUREMENT						
Aircraft procurement, Army .....	5,866,367	3,614,787	4,088,298	4,088,298	- 1,778,069	+ 473,511
Missile procurement, Army .....	1,600,957	1,519,966	1,501,289	1,501,289	- 99,668	- 18,677
Procurement of weapons and tracked combat vehicles, Army .....	1,951,646	2,265,177	2,161,777	2,161,777	+ 210,131	- 103,400
Procurement of ammunition, Army .....	1,245,426	1,513,157	1,467,066	1,467,066	+ 221,640	- 46,091
Other Procurement, Army .....	5,718,811	5,873,949	5,862,299	5,862,299	+ 143,488	- 11,650
Aircraft procurement, Navy .....	17,521,209	14,109,148	15,472,048	15,472,048	- 2,049,161	+ 1,362,900
Weapons procurement, Navy .....	3,049,542	3,209,262	3,226,750	3,226,750	+ 177,208	+ 17,488
Procurement of ammunition, Navy and Marine Corps .....	651,920	664,368	662,968	662,968	+ 11,048	- 1,400
Shipbuilding and conversion, Navy .....	18,704,539	18,354,874	20,460,724	20,460,724	+ 1,756,185	+ 2,105,850
Other procurement, Navy .....	6,484,257	6,338,861	6,229,762	6,229,762	- 254,495	- 109,099
Procurement, Marine Corps .....	1,186,812	1,362,769	1,362,769	1,362,769	+ 175,957	.....
Aircraft procurement, Air Force .....	15,756,853	13,922,917	13,667,822	13,667,822	- 2,089,031	- 255,095
Missile procurement, Air Force .....	2,912,131	2,426,621	2,408,769	2,408,769	- 503,362	- 17,852
Space procurement, Air Force .....	2,812,199	3,055,743	2,527,743	2,527,743	- 284,416	- 528,000
Procurement of Ammunition, Air Force .....	1,744,993	1,677,719	1,665,219	1,665,219	- 79,774	- 12,500
Other procurement, Air Force .....	18,311,882	17,438,056	17,503,191	17,503,191	- 808,691	+ 65,135
Procurement, Defense-Wide .....	5,245,443	4,524,918	4,921,274	4,921,274	- 324,169	+ 396,356
Defense Production Act purchases .....	76,680	44,065	64,065	64,065	- 12,615	+ 20,000
Total, Title III, Procurement .....	110,841,627	101,916,357	105,253,833	105,253,833	- 5,587,794	+ 3,337,476
TITLE IV RESEARCH, DEVELOPMENT, TEST AND EVALUATION						
Research, development, test and evaluation, Army .....	7,565,327	7,515,399	7,767,010	7,767,010	+ 201,683	+ 251,611
Research, development, test and evaluation, Navy .....	18,117,677	17,276,301	16,877,818	16,877,818	- 1,239,859	- 398,483

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2016 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL  
FOR FISCAL YEAR 2017—Continued  
[In thousands of dollars]

Item	2016 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2016 appropriation	Budget estimate
Research, development, test and evaluation, Air Force .....	25,217,148	28,112,251	27,490,944	+ 2,273,796	- 621,307
Research, development, test and evaluation, Defense-Wide .....	18,695,955	18,308,826	18,478,028	- 217,927	+ 169,202
Operational test and evaluation, Defense .....	188,558	178,994	186,994	- 1,564	+ 8,000
Total, Title IV, Research, development, test and evaluation .....	69,784,665	71,391,771	70,800,794	+ 1,016,129	- 590,977
TITLE V					
REVOLVING AND MANAGEMENT FUNDS					
Defense working capital funds .....	1,738,768	1,371,613	1,561,613	- 177,155	+ 190,000
National Defense Sealift Fund .....	474,164	.....	.....	- 474,164	.....
Total, Title V, Revolving and Management Funds .....	2,212,932	1,371,613	1,561,613	- 651,319	+ 190,000
TITLE VI					
OTHER DEPARTMENT OF DEFENSE PROGRAMS					
Defense Health Program:					
Operation and maintenance .....	29,842,167	32,231,390	31,848,917	+ 2,006,750	- 382,473
Procurement .....	365,390	413,219	410,499	+ 45,109	- 2,720
Research, development, test and evaluation .....	2,121,933	822,907	1,730,307	- 391,626	+ 907,400
Total, Defense Health Program <sup>1 3</sup> .....	32,329,490	33,467,516	33,989,723	+ 1,660,233	+ 522,207
Chemical Agents and Munitions Destruction, Defense:					
Operation and maintenance .....	118,198	147,282	119,985	+ 1,787	- 27,297
Procurement .....	2,281	15,132	15,132	+ 12,851	.....
Research, development, test and evaluation .....	579,342	388,609	388,609	- 190,733	.....
Total, Chemical Agents <sup>2</sup> .....	699,821	551,023	523,726	- 176,095	- 27,297

Drug Interdiction and Counter-Drug Activities, Defense 1	1,050,598	844,800	994,800	- 55,798	+ 150,000
Joint Urgent Operational Needs Fund	312,559	99,300	306,942	- 5,617	- 99,300
Office of the Inspector General 1		322,035			- 15,093
Total, Title VI, Other Department of Defense Programs	34,392,468	35,284,674	35,815,191	+ 1,422,723	+ 530,517
TITLE VII					
RELATED AGENCIES					
Central Intelligence Agency Retirement and Disability System Fund	514,000	514,000	514,000		
Intelligence Community Management Account [ICMA]	505,206	533,596	525,396	+ 20,190	- 8,200
Total, Title VII, Related Agencies	1,019,206	1,047,596	1,039,396	+ 20,190	- 8,200
TITLE VIII					
GENERAL PROVISIONS					
Additional transfer authority (Sec. 8005)	(4,500,000)	(5,000,000)	(5,000,000)	(+ 500,000)	
FFRDC (Sec. 8023)	- 65,000		- 55,800	+ 9,200	- 55,800
Overseas Military Facility Investment Recovery (Sec. 8028)	1,000			- 1,000	
Rescissions (Sec. 8041)	- 1,768,937		- 2,800,909	- 1,031,972	- 2,800,909
National grants (Sec. 8048)	44,000		20,000	- 24,000	+ 20,000
O&M, Defense-wide transfer authority (Sec. 8052)	(30,000)	(30,000)	(30,000)		
Fisher House Foundation	5,000			- 5,000	
Revised economic assumptions	- 1,500,789			+ 1,500,789	
Fisher House O&M Army Navy Air Force transfer authority (Sec. 8089)	(11,000)	(11,000)	(11,000)		
Defense Health O&M transfer authority (Sec. 8093)	(121,000)	(122,375)	(122,375)	(+ 1,375)	
John C. Stennis Center for Public Service Development Trust Fund (O&M, Navy transfer authority (Sec. 8059)	(1,000)			(- 1,000)	
Basic allowance for housing	300,000			- 300,000	
Working Capital Fund, Army and Air Force excess cash balances	- 389,000			+ 389,000	
Working Capital Fund, Defense-wide excess cash balances (rescission)	- 1,037,000			+ 1,037,000	
Working Capital Fund, Army excess cash balances (Sec. 8106)			- 306,500	- 306,500	- 306,500
Revised fuel costs (Sec. 8107)	- 2,576,000		- 1,587,000	+ 989,000	- 1,587,000
Defense acquisition Workforce Development Fund excess cash balances (Sec. 8082)			- 400,000	- 400,000	- 400,000
Readiness (Sec. 8088)			1,450,000	+ 1,450,000	+ 1,450,000
Total, Title VIII, General Provisions	- 6,986,726		- 3,680,209	+ 3,306,517	- 3,680,209

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2016 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL  
FOR FISCAL YEAR 2017—Continued  
(In thousands of dollars)

Item	2016 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2016 appropriation	Budget estimate
<b>TITLE IX</b>					
<b>OVERSEAS CONTINGENCY OPERATIONS</b>					
<b>Military Personnel</b>					
Military personnel, Army (OCO)	1,846,356	2,051,578	2,051,578	+205,222	
Military personnel, Navy (OCO)	251,011	330,557	330,557	+79,546	
Military personnel, Marine Corps (OCO)	171,079	179,733	179,733	+8,654	
Military personnel, Air Force (OCO)	726,126	719,896	719,896	-6,230	
Reserve personnel, Army (OCO)	24,462	42,506	42,506	+18,044	
Reserve personnel, Navy (OCO)	11,929	11,929	11,929	-764	
Reserve personnel, Marine Corps (OCO)	3,393	3,764	3,764	+371	
Reserve personnel, Air Force (OCO)	18,710	20,535	20,535	+1,825	
National Guard personnel, Army (OCO)	166,015	196,472	196,472	+30,457	
National Guard personnel, Air Force (OCO)	2,828	5,288	5,288	+2,460	
<b>Total, Military Personnel</b>	<b>3,222,673</b>	<b>3,562,258</b>	<b>3,562,258</b>	<b>+339,585</b>	
<b>Operation and Maintenance</b>					
Operation and maintenance, Army (OCO)	14,994,833	15,310,587	15,065,587	+70,754	-245,000
Operation and maintenance, Navy (OCO)	7,169,611	6,827,391	6,664,699	-504,912	-162,692
Coast Guard (by transfer) (OCO)		(162,692)			(-162,692)
Operation and maintenance, Marine Corps (OCO)	1,372,534	1,244,359	1,244,359	-128,175	
Operation and maintenance, Air Force (OCO)	11,128,813	9,498,830	9,347,672	-1,781,141	-151,158
Operation and maintenance, Defense-Wide (OCO)	5,665,633	5,982,173	6,314,973	+649,340	+332,800
Coalition support funds (OCO)	(1,160,000)	(1,100,000)	(620,000)	(-540,000)	(-480,000)
Security cooperation enhancement (OCO)			(850,000)	(+850,000)	(+850,000)
Operation and maintenance, Army Reserve (OCO)	99,559	38,679	38,679	-60,880	
Operation and maintenance, Navy Reserve (OCO)	31,643	26,265	26,265	-5,378	
Operation and maintenance, Marine Corps Reserve (OCO)	3,455	3,304	3,304	-151	
Operation and maintenance, Air Force Reserve (OCO)	58,106	57,586	57,586	-520	

Operation and maintenance, Army National Guard (OCO)	135,845	127,035	127,035	-8810	.....
Operation and maintenance, Air National Guard (OCO)	19,900	20,000	20,000	+100	.....
Subtotal, Operation and maintenance	40,679,932	39,136,209	38,910,159	-1,769,773	-226,050
Counterterrorism Partnerships Fund (OCO)	1,100,000	1,000,000	.....	-1,100,000	-1,000,000
Afghanistan Security Forces Fund (OCO)	3,652,257	3,448,715	3,448,715	-203,542	.....
Iraq Train and Equip Fund (OCO)	715,000	630,000	.....	-715,000	-630,000
Syria Train and Equip Fund (OCO)	.....	250,000	.....	.....	-250,000
Counter-SIL Fund Train and Equip (OCO)	.....	.....	930,000	+930,000	+930,000
Total, Operation and Maintenance	46,147,189	44,464,924	43,288,874	-2,858,315	-1,176,050
Procurement					
Aircraft procurement, Army (OCO)	161,987	313,171	313,171	+151,184	.....
Missile procurement, Army (OCO)	37,260	632,817	632,817	+595,557	.....
Procurement of weapons and tracked combat vehicles, Army (OCO)	486,630	153,544	390,744	-95,886	+237,200
Procurement of ammunition, Army (OCO)	222,040	301,523	290,670	+68,630	-10,853
Other procurement, Army (OCO)	1,175,596	1,373,010	1,343,010	+167,414	-30,000
Aircraft procurement, Navy (OCO)	210,990	393,030	384,930	+173,940	-8,100
Weapons procurement, Navy (OCO)	.....	8,600	8,600	+8,600	.....
Procurement of ammunition, Navy and Marine Corps (OCO)	117,966	66,229	65,699	-52,267	-530
Other procurement, Navy (OCO)	12,186	124,206	99,811	+87,625	-24,395
Procurement, Marine Corps (OCO)	56,934	118,939	118,939	+62,005	.....
Aircraft procurement, Air Force (OCO)	128,900	859,399	794,099	+665,199	-65,300
Missile procurement, Air Force (OCO)	289,142	339,545	322,745	+33,603	-16,800
Procurement of ammunition, Air Force (OCO)	228,874	487,408	474,908	+246,034	-12,500
Other procurement, Air Force (OCO)	3,477,001	3,696,281	3,590,556	+113,555	-105,725
Procurement, Defense-Wide (OCO)	173,918	238,434	219,184	+45,266	-19,250
National Guard and Reserve Equipment (OCO)	1,000,000	.....	900,000	-100,000	+900,000
Total, Procurement	7,779,424	9,106,136	9,949,883	+2,170,459	+843,747
Research, Development, Test and Evaluation					
Research, development, test and evaluation, Army (OCO)	1,500	100,522	100,522	+99,022	.....
Research, development, test and evaluation, Navy (OCO)	35,747	78,323	78,323	+42,576	.....
Research, development, test and evaluation, Air Force (OCO)	17,100	32,905	32,905	+15,805	.....
Research, development, test and evaluation, Defense-Wide (OCO)	177,087	162,419	162,419	-14,668	.....
Total, Research, Development, Test and Evaluation	231,434	374,169	374,169	+142,735	.....

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2016 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL  
 FOR FISCAL YEAR 2017—Continued  
 [In thousands of dollars]

Item	2016 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2016 appropriation	Budget estimate
Revolving and Management Funds					
Defense Working Capital Funds (OCO)	88,850	140,633	140,633	+ 51,783	
Other Department of Defense Programs					
Defense Health Program:					
Operation and maintenance (OCO)	272,704	331,764	331,764	+ 59,060	
Drug Interdiction and Counter-Drug Activities, Defense (OCO)	186,000	215,333	215,333	+ 29,333	
Joint [Improvised Explosive Device] Improvised-Threat Defeat Fund (OCO)	349,464	408,272	333,272	- 16,192	- 75,000
Office of the Inspector General (OCO)	10,262	22,062	22,062	+ 11,800	
Total, Other Department of Defense Programs	818,430	977,431	902,431	+ 84,001	- 75,000
General Provisions					
Additional transfer authority (OCO) (Sec. 9002)	(4,500,000)	(4,500,000)	(2,500,000)	(- 2,000,000)	(- 2,000,000)
Assistance to Ukraine (OCO)	250,000			- 250,000	
Intelligence, Surveillance, and Reconnaissance (OCO)	500,000			- 500,000	
Rescissions (OCO) (Sec. 9014) (rescission)	- 400,000		- 569,000	- 169,000	- 569,000
Coalition support funds (OCO) (Sec. 9015) (rescission)			- 14,244	- 14,244	- 14,244
Readiness (OCO) (Sec. 9016)			1,000,000	+ 1,000,000	+ 1,000,000
Total, General Provisions	350,000		416,756	+ 66,756	+ 416,756
Total, Title IX	58,638,000	58,625,551	58,635,004	- 2,996	+ 9,453



Grand Total .....	566,616,000	569,858,382	568,101,051	+ 1,485,051	- 1,757,331
Appropriations .....	(510,783,937)	(511,232,831)	(512,266,956)	(+ 1,483,019)	(+ 1,034,125)
Overseas Contingency Operations (OCO) .....	(59,038,000)	(58,625,551)	(59,218,248)	(+ 180,248)	(+ 592,697)
Rescissions .....	(- 2,805,937)	.....	(- 2,800,909)	(+ 5,028)	(- 2,800,909)
Rescissions (OCO) .....	(- 400,000)	.....	(- 583,244)	(- 183,244)	(- 583,244)

<sup>1</sup> Excludes GWOT New and Advance appropriations. Includes Prior GWOT Outlays.

<sup>2</sup> Includes GWOT and emergency (except permanent appropriations).

NOTE.—GWOT represents Overseas Contingency Operations/Global War on Terrorism.

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