

EXPLANATORY STATEMENT FOR THE DEPARTMENT OF
DEFENSE APPROPRIATIONS BILL, 2018

BACKGROUND

PURPOSE OF THE BILL

This bill makes appropriations for the military functions of the Department of Defense for the period October 1, 2017, through September 30, 2018. 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 March 15, 2017, and concluded them on June 21, 2017, after ten separate sessions. The subcommittee heard testimony from representatives of the Department of Defense.

SUMMARY OF THE BILL

The Committee recommendation of \$643,722,869,000 includes funding to develop, maintain, and equip the military forces of the United States and for other purposes.

The fiscal year 2018 budget request for activities funded in the Department of Defense appropriations bill totals \$627,819,232,000 in new budget authority, including \$65,118,982,000 in overseas contingency operations funding, \$4,485,844,000 in emergency funding and \$514,000,000 in mandatory spending.

In fiscal year 2017, the Congress appropriated \$591,980,267,000 for activities funded in this bill. This amount includes \$509,631,000,000 in base appropriations and \$82,349,267,000 in overseas contingency operations appropriations provided in Public Law 114–254 and in Public Law 115–31, titles IX and X. 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 \$51,742,602,000 above the amount provided in fiscal year 2017 and \$15,903,637,000 above the amount requested for fiscal year 2018.

COMMITTEE RECOMMENDATIONS

The following table displays the recommendations for each title:

[In thousands of dollars]

	Fiscal year 2017 enacted	Fiscal year 2018 estimate	Committee recommendation
Title I—Military Personnel	128,725,978	133,881,636	133,632,584
Title II—Operation and Maintenance	167,603,260	188,570,298	191,917,176
Title III—Procurement	108,426,827	113,931,877	124,322,846
Title IV—Research, development, test and evaluation	72,301,587	82,691,636	85,967,322
Title V—Revolving and management funds	1,511,613	2,095,923	1,706,596
Title VI—Other Department of Defense Programs	35,615,831	35,868,136	36,330,000
Title VII—Related Agencies	1,029,596	1,046,000	1,057,000
Title VIII—General provisions (net)	– 5,583,692	128,900	– 651,531
Title IX—Overseas Contingency Operations	61,822,000	65,118,982	64,955,032
Title X—Missile Defense and Defeat Enhancements .....	.....	4,485,844	4,485,844
Title X—Additional Appropriations (FY 2017)	14,752,267	.....	.....
Other appropriations (Public Law 114–254)	5,775,000	.....	.....
Net grand total	591,980,267	627,819,232	643,722,869
Total discretionary (incl. scorekeeping adjustments)	598,464,267	635,496,212	650,899,869

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 the National Defense Authorization Act for Fiscal Year 2018.

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.

BUDGET JUSTIFICATION MATERIALS FOR SPECIAL ACCESS PROGRAMS

The Committee recommends adjustments to the budget justification materials provided in the Special Access Program Annual Report to Congress submitted in accordance with Title 10, United States Code, Section 119(a)(1), as explained in the Committee's 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, 2018, 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 2019, 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 2019.

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). 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 maintaining 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, missile defense, 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 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.

RAPID ACQUISITION AUTHORITY

The Committee recognizes the Department of Defense's need to address urgent and unfunded requirements that arise following the enactment of appropriations. General and Special Transfer Authorities, as specified in sections 8005 and 9002 of this act, are provided for the purpose of addressing higher priority items, based on unforeseen military requirements, than those for which funding was originally appropriated. In addition, Congress appropriated more than \$950,000,000 for Joint Urgent Operational Needs and Joint Emerging Operational Needs through the regular appropriations process in fiscal year 2017, and the fiscal year 2018 budget includes more than \$800,000,000 in regular appropriations accounts for similar purposes. Finally, in the Department of Defense Appropriations Act, 2017, Congress established the Rapid Prototyping Program in the Research, Development, Test and Evaluation, Defense-Wide appropriations account, which the Department of Defense subsequently incorporated into its fiscal year 2018 budget request, and which the Committee recommends fully funding in fiscal year 2018.

Nevertheless, the Committee notes the increased use in frequency and associated dollar amounts in recent years of Rapid Acquisition Authority [RAA] pursuant to section 806(c)(4) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (10 U.S.C. 2302 note), as subsequently amended. The Committee has supported the use of these authorities to address urgent needs to eliminate documented deficiencies, but is concerned by the lack of timely communication by the Department of Defense to the Subcommittees on Defense of the Committees on Appropriations of the Senate and House of Representatives regarding the application of RAA. Therefore, the Committee recommends a new general provision, section 8066, to ensure timely notification to all congressional defense committees of the Secretary of Defense's use of RAA.

In addition, the Committee notes that many efforts initiated and funded with RAA require additional funding in subsequent years, and, if applicable, are intended for transition to the normal acquisition system not later than 2 years after the date on which the Secretary of Defense made the RAA determination. Therefore, the Committee directs that no later than 5 days following the notification to the congressional defense committees of the Secretary of Defense's intention to execute, or application of RAA, the Secretary of Defense, through his appropriate designee and in conjunction with the Under Secretary of Defense (Comptroller) shall provide the congressional defense committees no less than the following: the documented requirement intended to be addressed; the agency/Department charged with implementing the material solution identified; the identification of funds affected by the RAA by appropriations account, line and/or program element, to include outyear funding requirements by fiscal year; and an explanation as to why source funds are available to fund this higher priority item. In addition, the Under Secretary of Defense (Comptroller) is directed to provide guidance to the Services and defense agencies to appropriately identify previously received RAA funds and items funded in budget exhibits and briefings provided to the congressional defense committees in support of Department of Defense budget requests, and, where appropriate, to update the Financial Management Regulations to that effect. The Committee notes the engagements by the Under Secretary of Defense (Comptroller) and the Under Secretary of Defense (Acquisition, Technology and Logistics) to address the Committee's concerns, and looks forward to continuing this dialogue to ensure congressional oversight responsibilities are met without impeding the Department's ability to respond to urgent needs.

Finally, the Committee notes that in practice, funds for RAA initiatives are executed in place within the program identified as the funding source regardless of the original purpose for which funds were appropriated, and without any apportionment documents being generated. The Committee directs the Under Secretary of Defense (Comptroller) to provide to the congressional defense committees a briefing on the impact of RAA funding mechanisms on Financial Improvement and Audit Readiness efforts.

AUTHORIZED END STRENGTH LEVELS

Sections 401 and 410 of the National Defense Authorization Act for Fiscal Year 2018 authorize end strength increases for active-duty and reserve forces, as follows:

[In thousands of dollars]

Military Component	Fiscal Year 2018 End Strength
Army	+ 7,500
Marine Corps	+ 1,000
Army Reserve	+ 500
Army National Guard	+ 500
Total	+ 9,500

Based on cost estimates provided by the Department of Defense, the Committee recommendation includes additional funding to support increased authorized end strength levels. The additional funds are distributed, as follows:

[In thousands of dollars]

Appropriation	
Military Personnel, Army	429,000
Military Personnel, Marine Corps	37,400
Reserve Personnel, Army	12,100
National Guard Personnel, Army	4,200
Total, Military Personnel	482,700
Operation and Maintenance, Army	172,300
Operation and Maintenance, Marine Corps	12,800
Operation and Maintenance, Army Reserve	2,900
Operation and Maintenance, Army National Guard	3,700
Total, Operation and Maintenance	191,700
Total	674,400

MILITARY PAY RAISE

The budget submission proposed a military pay raise of 2.1 percent for fiscal year 2018. In accordance with section 601 of the National Defense Authorization Act for Fiscal Year 2018, the Committee recommendation includes additional funds to support a pay raise of 2.4 percent for all members of the uniformed services effective January 1, 2018. The additional funds are distributed as follows:

[In thousands of dollars]

Appropriation	
Military Personnel, Army	63,600
Military Personnel, Navy	42,200
Military Personnel, Marine Corps	21,000
Military Personnel, Air Force	44,700
Reserve Personnel, Army	8,400
Reserve Personnel, Navy	3,000
Reserve Personnel, Marine Corps	1,200
Reserve Personnel, Air Force	2,800
National Guard Personnel, Army	14,100
National Guard Personnel, Air Force	5,400
Total, Military Personnel	206,400

READINESS

The Committee recommends an additional \$900,000,000 in title VIII and \$3,000,000,000 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 op-

erations 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.

MISSILE DEFENSE AGENCY

Additional Funding Recommendations for Missile Defense Agency.—The fiscal year 2018 President’s budget request includes \$7,886,133,000 across the Operation and Maintenance, Defense-Wide, Procurement, Defense-Wide, Research, Development, Test and Evaluation, Defense-Wide and Military Construction appropriation accounts for the Missile Defense Agency [MDA], a decrease of \$334,182,000 from amounts appropriated for fiscal year 2017. Subsequent to enactment of fiscal year 2017 appropriations, Congress approved via above threshold reprogramming \$249,000,000 in additional funding for MDA to initiate an expansion of U.S. missile defense capacity and capability, including the accelerated development and fielding of 20 additional Ground-Based Interceptors with a Redesigned Kill Vehicle; the construction of an additional missile field in Fort Greely, Alaska; and various sensor upgrades. On November 6, 2017, President Trump submitted a fiscal year 2018 budget amendment to Congress requesting additional funds for “Missile Detect and Defeat Enhancements,” of which \$2,036,600,000 was requested for MDA to sustain funding for efforts initiated via fiscal year 2017 reprogramming actions, and to procure additional THAAD and SM–3 Block IIA interceptors. The Committee recommends fully funding this request. Additionally, the Committee recommends \$364,700,000 above the budget request in Research, Development, Test and Evaluation, Defense-Wide to further accelerate the missile detect and defeat capacity and capability enhancements identified and initiated by MDA.

Additionally, subsequent to enactment of fiscal year 2017 appropriations, Congress approved the use of \$74,100,000 under rapid acquisition authority pursuant to section 806(c)(4) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 in support of a U.S. Pacific Command Joint Emerging Operational Need [JEON]. The Committee notes that of \$2,036,600,000 requested for MDA in the November 6, 2017 Missile Detect and Defeat and Enhancements budget amendment for fiscal year 2018, \$126,600,000 is requested to continue funding this JEON, and recommends fully funding this request. Additionally, the Committee recommends \$392,000,000 above the budget request in Research, Development, Test and Evaluation, Defense-Wide and in Procurement, Defense-Wide to accelerate and expand fielding of integrated THAAD and Patriot missile defense capabilities in support of the JEON, as identified by MDA.

Further, the Committee recommends \$322,300,000 above the budget request for MDA unfunded requirements and critical needs, to include enhanced discrimination capabilities, development and

fielding of a radar in Hawaii, increased test capabilities and cyber enhancements. In total, the Committee recommends \$1,079,000,000 above the President's request for U.S. missile defense programs managed by MDA to ensure that U.S. ballistic missile defense capacity and capabilities keep pace with the evolving threat in an increasingly complex global security environment.

U.S.-Israeli Cooperative Missile Defense Programs.—The fiscal year 2018 President's budget request includes \$147,354,000 for the development and procurement of U.S.-Israeli cooperative missile defense programs, a decrease of \$453,381,000 from amounts appropriated for fiscal year 2017. The Committee has received a request from the Government of Israel for an additional \$558,446,000 for these programs and recommends fully funding this request for a total recommendation of \$705,800,000 in fiscal year 2018. The Committee notes that funds recommended in Procurement, Defense-Wide for Iron Dome, Arrow and David's Sling co-production efforts are subject to their respective U.S.-Israeli co-production agreements and notes further that the co-production agreements for Arrow and David's Sling programs are new agreements in fiscal year 2017 and currently under negotiation. As a result, no funds recommended in Procurement, Defense-Wide for co-production of U.S.-Israeli missile defense programs in fiscal year 2017 have been obligated at this time. The Committee expects amendments to these agreements for fiscal year 2018 to be completed in a timely manner to ensure timely fielding of these critical capabilities, accountability of the industrial base and the appropriate phasing of funds.

JOINT STRIKE FIGHTER

Joint Strike Fighter Production.—The Fiscal Year 2018 President's budget request includes 70 F-35 Joint Strike Fighters [JSF], 4 fewer than were provided in the Department of Defense Appropriations Act, 2017 (Public Law 115-31). While the Committee commends the JSF Program Executive Officer [PEO] for changing the Joint Program Office's processes to allow aircraft to be placed on contract in a more timely manner, the Committee remains concerned that programmed quantities of Air Force and Navy aircraft continue to be delayed. In the Fiscal Year 2018 President's budget request, the Air Force delayed procuring 60 F-35A variants in one fiscal year from fiscal year 2021 to fiscal year 2023. Similar to previous years, the Navy continues to delay previously planned production increases of the F-35C carrier variant. As a result and to support the planned fielding of F-35 squadrons, the Committee recommends an additional \$120,000,000 in advance procurement for the F-35A and encourages the Air Force to revisit F-35A procurement quantities in the fiscal year 2019 President's budget request. Further, the Committee recommends \$270,000,000 for 2 additional F-35C carrier variants for the Navy.

Joint Strike Fighter Advance Procurement.—The Fiscal Year 2018 President's budget request includes \$660,989,000 for the procurement of economic order quantities of material and equipment for 207 U.S. F-35 aircraft to be procured in fiscal years 2019 and 2020. The Committee notes that requesting authority for economic order quantity procurement outside of a multi-year procurement re-

quest runs counter to Department of Defense financial management regulations and congressional practice. However, the Committee notes the projected cost savings of this approach—when combined with other acquisition authorities—is in excess of \$1,800,000,000. Therefore, the Committee recommends \$660,989,000 in advance procurement [AP] for 207 U.S. F-35 aircraft planned for procurement in fiscal years 2019 and 2020, as delineated in the fiscal year 2018 budget submission. The Committee notes with concern that in previous years, the Department has repeatedly adjusted F-35 procurement quantities year-over-year, most notably the F-35C variant. In the fiscal year 2018 President’s budget request, the Navy plans to procure 9 and 16 F-35C aircraft in fiscal year 2019 and 2020, respectively. Therefore, the Committee directs that of the \$660,989,000 recommended for AP in fiscal year 2018, funds may only be obligated or expended for aircraft quantities budgeted in fiscal years 2019 and 2020 in the Fiscal Year 2019 budget submission, unless the Secretary of Defense submits a written certification to the congressional defense committees that it is in the national interest to procure material and equipment in excess of budgeted aircraft. Further, the Committee directs the F-35 Joint Program Executive Officer to delineate funding in future budget requests for advance procurement by fiscal year in each F-35 advance procurement line.

F-35B Third Life Cycle Test Aircraft.—The Committee understands that as part of the F-35 System Design and Development program, the F-35B has completed its second life cycle test, but that due to configuration changes, a third life cycle test is required. Noting the benefit of this testing to all F-35B customers and the progress of third life testing of the F-35A and F-35C variants, the Committee recommends \$115,000,000 in Research, Development, Test and Evaluation, Navy for an additional F-35B test aircraft to complete 3rd lifecycle testing in a timely manner.

SURFACE FORCE INCIDENTS

Funding for Recommendations of the Comprehensive Review of Recent Surface Force Incidents.—The Committee has been briefed on the findings of the “Comprehensive Review of the Recent Surface Force Incidents,” which was conducted by the Commander, Fleet Forces Command following three collisions and one grounding involving U.S. Navy ships in the Western Pacific in 2017 that resulted in the tragic deaths of 17 U.S. Navy sailors. In order to begin addressing weaknesses identified in this review, the Committee recommends \$22,593,000 above the budget request in Operation and Maintenance, Navy and in Other Procurement, Navy, consistent with identified Navy requirements for fiscal year 2018. The Committee understands that outyear funding requirements for these efforts exceed \$500,000,000 and expects the Navy to prioritize these investments, consistent with commitments made by the Secretary of the Navy and the Chief of Naval Operations to the Congress to fix the Navy’s problems regarding collisions at sea.

AVIATION EMERGENT PHYSIOLOGICAL EPISODES

The Committee is extremely concerned about the numerous cases of physiological episodes among military pilots of T-45, F/A-18, F-22, and F-35 aircraft. In some instances, these episodes have grounded entire fleets of aircraft, adding to an already strained pilot training pipeline. The Committee strongly believes that the health and safety of pilots should be a top priority of the Department of Defense and commends the Navy for conducting a comprehensive review earlier this year which examined the facts, circumstances, and processes surrounding the recent physiological episodes. However, the Committee is concerned that the results of this review determined that “the Navy has not yet been able to pinpoint a specific root cause of the physiological episodes.”

In order to build on the Navy review to determine and remove root cause and initiatives to reliably alert aircrew when malfunctions occur, the Committee recommendation includes a total of \$129,350,000 above the fiscal year 2018 President’s budget request in the Operation and Maintenance, Navy; Aircraft Procurement, Navy; Other Procurement, Navy; and Research, Development, Test and Evaluation, Navy accounts. The Committee expects the Secretary of the Navy, in coordination with the Secretary of the Army, Secretary of the Air Force, and Secretary of Defense, to keep the congressional defense committees informed of future resourcing requirements to solve this ongoing problem.

BIG DATA ANALYTICS STRATEGY

The Committee recognizes that data is an invaluable asset to the Department of Defense. Modern technology tools gained through hyper-scale cloud computing like big data analytics, machine-learning technologies, and artificial intelligence software represent an unprecedented opportunity to leverage this data, stay ahead of adversaries, and enable both offensive and defensive capabilities for the warfighter. The Committee directs the Secretary of Defense to conduct a review of the adoption of hyper-scale cloud computing in the Department of Defense and to provide a report detailing the results of the review to the congressional defense committees not later than 60 days after the enactment of this act.

ABILITYONE CONTRACTING

The Committee understands the importance of increasing employment and training opportunities for persons who are blind or have other significant disabilities through the purchase of products and services from qualified nonprofit agencies employing such individuals. Federal Acquisition Regulation [FAR] 8.002 Priorities for Use of Mandatory Sources affords procurement priority to “Supplies that are on the Procurement List maintained by the Committee for Purchase From People Who Are Blind or Severely Disabled.” Further, the Javit’s Wagner O’Day [JWOD] Act, 41 U.S.C. Ch. 85, requires said Committee to maintain a Procurement List [PL] of products and services which shall be procured by Government departments and agencies under the JWOD Act. Products listed on the PL are mandatory if the Government has a requirement to purchase those products.

The Committee believes that Federal procurement systems, including e-Commerce on-line storefronts (e.g. GSA Advantage, FedMall), and AbilityOne Program Base Supply Centers [BSC] should implement policies and procedures that ensure the purchase priorities in FAR 8.002 are fully implemented. In accordance with the National Defense Authorization Act for Fiscal Year 2017 section 898, which established the “Panel on DoD and AbilityOne Contracting Oversight, Accountability, and Integrity,” the Committee directs the Panel to report to the congressional defense committees not later than one year after the enactment of this act. The report should include a review of Federal Government on-line storefronts and BSCs and their compliance with FAR 8.002 purchase priorities. In addition, the report should also consider whether establishing an AbilityOne Program goal of 2 percent of the total value of prime contract awards for each fiscal year would help to increase employment opportunities for individuals who are blind, have significant disabilities, or are veterans with disabilities.

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 2018 budget requests a total of \$133,881,636,000 for military personnel appropriations. This request funds an Active component end strength of 1,314,000 and a Reserve component end strength of 815,900.

SUMMARY OF COMMITTEE ACTION

The Committee recommends military personnel appropriations totaling \$133,632,584,000 for fiscal year 2018. This is \$249,052,000 below the budget estimate.

Committee recommended military personnel appropriations for fiscal year 2018 are summarized below:

SUMMARY OF MILITARY PERSONNEL APPROPRIATIONS

[In thousands of dollars]

Account	2018 budget estimate	Committee recommendation	Change from budget estimate
Military Personnel:			
Military Personnel, Army	41,533,674	41,919,855	+ 386,181
Military Personnel, Navy	28,917,918	28,756,535	- 161,383
Military Personnel, Marine Corps	13,278,714	13,226,114	- 52,600
Military Personnel, Air Force	28,962,740	28,807,440	- 155,300
Reserve Personnel:			
Reserve Personnel, Army	4,804,628	4,720,608	- 84,020
Reserve Personnel, Navy	2,000,362	1,984,672	- 15,690
Reserve Personnel, Marine Corps	766,703	767,903	+ 1,200
Reserve Personnel, Air Force	1,824,334	1,802,554	- 21,780
National Guard Personnel:			
National Guard Personnel, Army	8,379,376	8,240,036	- 139,340
National Guard Personnel, Air Force	3,413,187	3,406,867	- 6,320
Total	133,881,636	133,632,584	- 249,052

Committee recommended end strengths for fiscal year 2018 are summarized below:

RECOMMENDED END STRENGTH

	2017 authorization	2018 budget estimate	Committee recommendation	Change from budget estimate
Active:				
Army	476,000	476,000	483,500	+ 7,500

RECOMMENDED END STRENGTH—Continued

	2017 authorization	2018 budget estimate	Committee recommendation	Change from budget estimate
Navy	323,900	327,900	327,900	.....
Marine Corps	185,000	185,000	186,000	+ 1,000
Air Force	321,000	325,100	325,100	.....
Subtotal	1,305,900	1,314,000	1,322,500	+ 8,500
Selected Reserve:				
Army Reserve	199,000	199,000	199,500	+ 500
Navy Reserve	58,000	59,000	59,000	.....
Marine Corps Reserve	38,500	38,500	38,500	.....
Air Force Reserve	69,000	69,800	69,800	.....
Army National Guard	343,000	343,000	343,500	+ 500
Air National Guard	105,700	106,600	106,600	.....
Subtotal	813,200	815,900	816,900	+ 1,000
Total	2,119,100	2,129,900	2,139,400	+ 9,500

Committee recommended end strengths for full-time support of the Reserve and Guard for fiscal year 2018 are summarized below:

RECOMMENDED ACTIVE GUARD AND RESERVE END STRENGTH

	2017 authorization	2018 budget estimate	Committee recommendation	Change from budget estimate
Active Guard and Reserve:				
Army Reserve	16,261	16,261	16,261	.....
Navy Reserve	9,955	10,101	10,101	.....
Marine Corps Reserve	2,261	2,261	2,261	.....
Air Force Reserve	2,955	3,588	3,588	.....
Army National Guard	30,155	30,155	30,155	.....
Air National Guard	14,764	16,260	16,260	.....
Totals:	76,351	78,626	78,626	.....

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 2018 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 \$868,870,000 from the fiscal year 2018 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 and critical care training including public health, bio-environmental, and biomedical instruction to sustain medics’ and medical providers’ capabilities of the National Guard Enhanced Response Forces Packages [CERFP], National Guard Homeland Response Forces [NGHRF], the Army Reserve Consequence Management Response Forces [CCMRF] and other National Guard and Reserves medical conversion/readiness requirements. The Committee encourages the National Guard and Reserves 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 medical and critical care preparedness medical training programs focusing on public health curriculums and the epidemiology of public health diseases, 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.

MILITARY PERSONNEL, ARMY

Appropriations, 2017	\$40,042,962,000
Budget estimate, 2018	41,533,674,000
Committee recommendation	41,919,855,000

The Committee recommends an appropriation of \$41,919,855,000. This is \$368,181,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, ARMY			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	7,024,696	7,024,696	.....
10	RETIRED PAY ACCRUAL	1,998,990	1,998,990	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	76,094	76,094	.....
25	BASIC ALLOWANCE FOR HOUSING	2,178,830	2,178,830	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	285,298	285,298	.....
35	INCENTIVE PAYS	85,272	85,272	.....
40	SPECIAL PAYS	378,874	378,874	.....
45	ALLOWANCES	182,527	182,527	.....
50	SEPARATION PAY	107,732	107,732	.....
55	SOCIAL SECURITY TAX	534,396	534,396	.....
	TOTAL, BUDGET ACTIVITY 1	12,852,709	12,852,709	.....
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	12,948,769	12,948,769	.....
65	RETIRED PAY ACCRUAL	3,686,753	3,686,753	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	136,998	136,998	.....
80	BASIC ALLOWANCE FOR HOUSING	4,588,794	4,588,794	.....
85	INCENTIVE PAYS	94,105	94,105	.....
90	SPECIAL PAYS	1,294,027	1,294,027	.....
95	ALLOWANCES	713,047	713,047	.....
100	SEPARATION PAY	484,510	484,510	.....
105	SOCIAL SECURITY TAX	990,581	990,581	.....
	TOTAL, BUDGET ACTIVITY 2	24,937,584	24,937,584	.....
110	ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
	ACADEMY CADETS	82,393	82,393	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	1,254,144	1,254,144	.....
120	SUBSISTENCE-IN-KIND	606,660	606,660	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	601	601	.....
	TOTAL, BUDGET ACTIVITY 4	1,861,405	1,861,405	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	179,209	179,209	.....
130	TRAINING TRAVEL	150,368	150,368	.....
135	OPERATIONAL TRAVEL	379,251	379,251	.....
140	ROTATIONAL TRAVEL	730,865	730,865	.....
145	SEPARATION TRAVEL	273,871	273,871	.....
150	TRAVEL OF ORGANIZED UNITS	4,170	4,170	.....
155	NON-TEMPORARY STORAGE	12,653	12,653	.....
160	TEMPORARY LODGING EXPENSE	36,983	36,983	.....
	TOTAL, BUDGET ACTIVITY 5	1,767,370	1,767,370	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	309	309	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	160	160	.....
180	DEATH GRATUITIES	40,700	40,700	.....
185	UNEMPLOYMENT BENEFITS	107,682	107,682	.....
195	EDUCATION BENEFITS	16,091	16,091	.....
200	ADOPTION EXPENSES	603	603	.....
210	TRANSPORTATION SUBSIDY	7,884	7,884	.....
215	PARTIAL DISLOCATION ALLOWANCE	64	64	.....
217	RESERVE OFFICERS TRAINING CORPS (ROTC)	101,008	101,008	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
218	JUNIOR ROTC	28,037	28,037	.....
	TOTAL, BUDGET ACTIVITY 6	302,538	302,538	.....
	LESS REIMBURSABLES	- 270,325	- 270,325	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 106,419	- 106,419
	MILITARY PAY RAISE .....	.....	63,600	+ 63,600
	AUTHORIZED END STRENGTH INCREASE .....	.....	429,000	+ 429,000
	TOTAL, ACTIVE FORCES, ARMY	41,533,674	41,919,855	+ 386,181
	TOTAL, MILITARY PERSONNEL, ARMY	41,533,674	41,919,855	+ 386,181

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Improving funds management: Enlisted workyear variance ....	.....	.....	- 31,299
UNDIST	Improving funds management: Historical unobligated balances .....	.....	.....	- 75,120
UNDIST	Program increase: Military pay raise .....	.....	.....	+ 63,600
UNDIST	Program increase: Authorized end strength increase .....	.....	.....	+ 429,000

MILITARY PERSONNEL, NAVY

Appropriations, 2017	\$27,889,405,000
Budget estimate, 2018	28,917,918,000
Committee recommendation	28,756,535,000

The Committee recommends an appropriation of \$28,756,535,000. This is \$161,383,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, NAVY			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	4,250,732	4,250,732	.....
10	RETIRED PAY ACCRUAL	1,209,645	1,209,645	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	46,944	46,944	.....
25	BASIC ALLOWANCE FOR HOUSING	1,554,695	1,554,695	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	171,681	171,681	.....
35	INCENTIVE PAYS	131,251	131,251	.....
40	SPECIAL PAYS	445,426	445,426	.....
45	ALLOWANCES	120,469	120,469	.....
50	SEPARATION PAY	43,709	43,709	.....
55	SOCIAL SECURITY TAX	324,231	324,231	.....
	TOTAL, BUDGET ACTIVITY 1	8,298,783	8,298,783	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	9,165,195	9,165,195	.....
65	RETIRED PAY ACCRUAL	2,611,852	2,611,852	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	102,201	102,201	.....
80	BASIC ALLOWANCE FOR HOUSING	4,382,826	4,382,826	.....
85	INCENTIVE PAYS	104,363	104,363	.....
90	SPECIAL PAYS	798,735	798,735	.....
95	ALLOWANCES	589,072	589,072	.....
100	SEPARATION PAY	138,013	138,013	.....
105	SOCIAL SECURITY TAX	701,137	701,137	.....
	TOTAL, BUDGET ACTIVITY 2	18,593,394	18,593,394	.....
110	ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN MIDSHIPMEN	81,501	81,501	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	803,889	803,889	.....
120	SUBSISTENCE-IN-KIND	415,383	415,383	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	10	10	.....
	TOTAL, BUDGET ACTIVITY 4	1,219,282	1,219,282	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	92,004	92,004	.....
130	TRAINING TRAVEL	88,677	88,677	.....
135	OPERATIONAL TRAVEL	219,686	219,686	.....
140	ROTATIONAL TRAVEL	347,267	347,267	.....
145	SEPARATION TRAVEL	118,410	118,410	.....
150	TRAVEL OF ORGANIZED UNITS	30,884	30,884	.....
155	NON-TEMPORARY STORAGE	12,673	12,673	.....
160	TEMPORARY LODGING EXPENSE	17,850	17,850	.....
	TOTAL, BUDGET ACTIVITY 5	927,451	927,451	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	59	59	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	1,162	1,162	.....
180	DEATH GRATUITIES	18,500	18,500	.....
185	UNEMPLOYMENT BENEFITS	65,326	65,326	.....
195	EDUCATION BENEFITS	16,736	16,736	.....
200	ADOPTION EXPENSES	223	223	.....
210	TRANSPORTATION SUBSIDY	4,926	4,926	.....
215	PARTIAL DISLOCATION ALLOWANCE	10	10	.....
217	RESERVE OFFICERS TRAINING CORPS (ROTC)	20,536	20,536	.....
218	JUNIOR ROTC	15,410	15,410	.....
	TOTAL, BUDGET ACTIVITY 6	142,888	142,888	.....
	LESS REIMBURSABLES	- 345,381	- 345,381	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 203,583	- 203,583
	MILITARY PAY RAISE .....	.....	42,200	+ 42,200
	TOTAL, ACTIVE FORCES, NAVY	28,917,918	28,756,535	- 161,383
	TOTAL, MILITARY PERSONNEL, NAVY	28,917,918	28,756,535	- 161,383

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Improving funds management: Officer and enlisted workyear variance .....	.....	.....	- 17,583
UNDIST	Improving funds management: Historical unobligated balances .....	.....	.....	- 186,000
UNDIST	Program increase: Military pay raise .....	.....	.....	+ 42,200

MILITARY PERSONNEL, MARINE CORPS

Appropriations, 2017	\$12,735,182,000
Budget estimate, 2018	13,278,714,000
Committee recommendation	13,226,114,000

The Committee recommends an appropriation of \$13,226,114,000. This is \$52,600,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
MILITARY PERSONNEL, MARINE CORPS				
ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS				
5	BASIC PAY	1,581,886	1,581,886	.....
10	RETIRED PAY ACCRUAL	450,292	450,292	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	17,859	17,859	.....
25	BASIC ALLOWANCE FOR HOUSING	535,011	535,011	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	66,887	66,887	.....
35	INCENTIVE PAYS	36,374	36,374	.....
40	SPECIAL PAYS	3,333	3,333	.....
45	ALLOWANCES	43,841	43,841	.....
50	SEPARATION PAY	13,257	13,257	.....
55	SOCIAL SECURITY TAX	120,531	120,531	.....
	TOTAL, BUDGET ACTIVITY 1	2,869,271	2,869,271	.....
ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL				
60	BASIC PAY	4,980,929	4,980,929	.....
65	RETIRED PAY ACCRUAL	1,416,193	1,416,193	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	55,287	55,287	.....
80	BASIC ALLOWANCE FOR HOUSING	1,620,934	1,620,934	.....
85	INCENTIVE PAYS	9,137	9,137	.....
90	SPECIAL PAYS	144,597	144,597	.....
95	ALLOWANCES	319,915	319,915	.....
100	SEPARATION PAY	90,030	90,030	.....
105	SOCIAL SECURITY TAX	380,478	380,478	.....
	TOTAL, BUDGET ACTIVITY 2	9,017,500	9,017,500	.....
ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL				
115	BASIC ALLOWANCE FOR SUBSISTENCE	450,121	450,121	.....
120	SUBSISTENCE-IN-KIND	415,759	415,759	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	10	10	.....
	TOTAL, BUDGET ACTIVITY 4	865,890	865,890	.....
ACTIVITY 5: PERMANENT CHANGE OF STATION				
125	ACCESSION TRAVEL	55,098	55,098	.....
130	TRAINING TRAVEL	18,718	18,718	.....
135	OPERATIONAL TRAVEL	184,003	184,003	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
140	ROTATIONAL TRAVEL	120,351	120,351	.....
145	SEPARATION TRAVEL	93,216	93,216	.....
150	TRAVEL OF ORGANIZED UNITS	4,671	4,671	.....
160	TEMPORARY LODGING EXPENSE	5,578	5,578	.....
	TOTAL, BUDGET ACTIVITY 5	481,635	481,635	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	326	326	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	19	19	.....
180	DEATH GRATUITIES	12,900	12,900	.....
185	UNEMPLOYMENT BENEFITS	46,624	46,624	.....
195	EDUCATION BENEFITS	8,591	8,591	.....
200	ADOPTION EXPENSES	92	92	.....
210	TRANSPORTATION SUBSIDY	1,986	1,986	.....
215	PARTIAL DISLOCATION ALLOWANCE	103	103	.....
218	JUNIOR ROTC	4,408	4,408	.....
	TOTAL, BUDGET ACTIVITY 6	75,049	75,049	.....
	LESS REIMBURSABLES	- 30,631	- 30,631	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 111,000	- 111,000
	MILITARY PAY RAISE .....	.....	21,000	+ 21,000
	AUTHORIZED END STRENGTH INCREASE .....	.....	37,400	+ 37,400
	TOTAL, ACTIVE FORCES, MARINE CORPS	13,278,714	13,226,114	- 52,600
	TOTAL, MILITARY PERSONNEL, MARINE CORPS	13,278,714	13,226,114	- 52,600

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Improving funds management: Enlisted workyear variance .....	.....	.....	- 1,000
UNDIST	Improving funds management: Historical unobligated balances .....	.....	.....	- 110,000
UNDIST	Program increase: Military pay raise .....	.....	.....	+ 21,000
UNDIST	Program increase: Authorized end strength increase .....	.....	.....	+ 37,400

MILITARY PERSONNEL, AIR FORCE

Appropriations, 2017	\$27,958,795,000
Budget estimate, 2018	28,962,740,000
Committee recommendation	28,807,440,000

The Committee recommends an appropriation of \$28,807,440,000. This is \$155,300,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, AIR FORCE			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	4,969,886	4,969,886	.....
10	RETIRED PAY ACCRUAL	1,407,970	1,407,970	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	55,447	55,447	.....
25	BASIC ALLOWANCE FOR HOUSING	1,524,644	1,524,644	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	198,005	198,005	.....
35	INCENTIVE PAYS	236,704	236,704	.....
40	SPECIAL PAYS	336,933	336,933	.....
45	ALLOWANCES	112,425	112,425	.....
50	SEPARATION PAY	48,922	48,922	.....
55	SOCIAL SECURITY TAX	379,552	379,552	.....
	TOTAL, BUDGET ACTIVITY 1	9,270,488	9,270,488	.....
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	9,209,338	9,209,338	.....
65	RETIRED PAY ACCRUAL	2,617,286	2,617,286	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	100,601	100,601	.....
80	BASIC ALLOWANCE FOR HOUSING	3,739,482	3,739,482	.....
85	INCENTIVE PAYS	40,719	40,719	.....
90	SPECIAL PAYS	481,217	481,217	.....
95	ALLOWANCES	530,970	530,970	.....
100	SEPARATION PAY	130,904	130,904	.....
105	SOCIAL SECURITY TAX	704,515	704,515	.....
	TOTAL, BUDGET ACTIVITY 2	17,555,032	17,555,032	.....
	ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
110	ACADEMY CADETS	78,280	78,280	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	1,029,962	1,029,962	.....
120	SUBSISTENCE-IN-KIND	136,688	136,688	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	9	9	.....
	TOTAL, BUDGET ACTIVITY 4	1,166,659	1,166,659	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	106,749	106,749	.....
130	TRAINING TRAVEL	69,348	69,348	.....
135	OPERATIONAL TRAVEL	280,290	280,290	.....
140	ROTATIONAL TRAVEL	572,460	572,460	.....
145	SEPARATION TRAVEL	159,066	159,066	.....
150	TRAVEL OF ORGANIZED UNITS	7,422	7,422	.....
155	NON-TEMPORARY STORAGE	26,779	26,779	.....
160	TEMPORARY LODGING EXPENSE	35,420	35,420	.....
	TOTAL, BUDGET ACTIVITY 5	1,257,534	1,257,534	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	16	16	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	2,691	2,691	.....
180	DEATH GRATUITIES	14,500	14,500	.....
185	UNEMPLOYMENT BENEFITS	33,916	33,916	.....
195	EDUCATION BENEFITS	75	75	.....
200	ADOPTION EXPENSES	460	460	.....
210	TRANSPORTATION SUBSIDY	4,841	4,841	.....
215	PARTIAL DISLOCATION ALLOWANCE	421	421	.....
217	RESERVE OFFICERS TRAINING CORPS (ROTC)	29,557	29,557	.....
218	JUNIOR ROTC	18,530	18,530	.....
	TOTAL, BUDGET ACTIVITY 6	105,007	105,007	.....
	LESS REIMBURSABLES	- 470,260	- 470,260	.....
	UNDISTRIBUTED ADJUSTMENT		- 200,000	- 200,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PAY RAISE .....	.....	44,700	+ 44,700
	TOTAL, ACTIVE FORCES, AIR FORCE	28,962,740	28,807,440	- 155,300
	TOTAL, MILITARY PERSONNEL, AIR FORCE	28,962,740	28,807,440	- 155,300

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Improving funds management: Historical unobligated balances .....	.....	.....	- 200,000
UNDIST	Program increase: Military pay raise .....	.....	.....	+ 44,700

RESERVE PERSONNEL, ARMY

Appropriations, 2017	\$4,524,863,000
Budget estimate, 2018	4,804,628,000
Committee recommendation	4,720,608,000

The Committee recommends an appropriation of \$4,720,608,000. This is \$84,020,000 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	2018 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)	1,642,326	1,632,326	- 10,000
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	42,649	42,649	.....
30	PAY GROUP F TRAINING (RECRUITS)	256,000	246,000	- 10,000
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	13,204	13,204	.....
60	MOBILIZATION TRAINING	332	332	.....
70	SCHOOL TRAINING	243,143	243,143	.....
80	SPECIAL TRAINING	264,269	264,269	.....
90	ADMINISTRATION AND SUPPORT	2,170,749	2,170,749	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	19,894	19,894	.....
100	EDUCATION BENEFITS	32,688	32,688	.....
120	HEALTH PROFESSION SCHOLARSHIP	63,577	63,577	.....
130	OTHER PROGRAMS	55,797	55,797	.....
	TOTAL, BUDGET ACTIVITY 1	4,804,628	4,784,628	- 20,000
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 84,520	- 84,520
	MILITARY PAY RAISE .....	.....	8,400	+ 8,400
	AUTHORIZED END STRENGTH INCREASE .....	.....	12,100	+ 12,100
	TOTAL RESERVE PERSONNEL, ARMY	4,804,628	4,720,608	- 84,020

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	Pay Group A Training (15 Days & Drills 24/48)	1,642,326	1,632,326	- 10,000
	Improving funds management: Participation rate over-estimation			- 10,000
30	Pay Group F Training (Recruits)	256,000	246,000	- 10,000
	Maintain program affordability: Excess growth			- 10,000
UNDIST	Improving funds management: Historical unobligated balances		- 84,520	- 84,520
UNDIST	Program increase: Military pay raise		8,400	+ 8,400
UNDIST	Program increase: Authorized end strength increase		12,100	+ 12,100

RESERVE PERSONNEL, NAVY

Appropriations, 2017	\$1,921,045,000
Budget estimate, 2018	2,000,362,000
Committee recommendation	1,984,672,000

The Committee recommends an appropriation of \$1,984,672,000. This is \$15,690,000 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	2018 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)	671,515	671,515	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	7,972	7,972	.....
30	PAY GROUP F TRAINING (RECRUITS)	62,459	62,459	.....
60	MOBILIZATION TRAINING	10,029	10,029	.....
70	SCHOOL TRAINING	52,423	52,423	.....
80	SPECIAL TRAINING	107,811	107,811	.....
90	ADMINISTRATION AND SUPPORT	1,026,549	1,026,549	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	7,802	7,802	.....
100	EDUCATION BENEFITS	77	77	.....
120	HEALTH PROFESSION SCHOLARSHIP	53,725	53,725	.....
	TOTAL, BUDGET ACTIVITY 1	2,000,362	2,000,362	.....
	UNDISTRIBUTED ADJUSTMENT		- 18,690	- 18,690
	MILITARY PAY RAISE		3,000	+ 3,000
	TOTAL, RESERVE PERSONNEL, NAVY	2,000,362	1,984,672	- 15,690

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Improving funds management: Historical unobligated balances .....	.....	- 18,690	- 18,690
UNDIST	Program increase: Military pay raise .....	.....	3,000	+ 3,000

RESERVE PERSONNEL, MARINE CORPS

Appropriations, 2017	\$744,795,000
Budget estimate, 2018	766,703,000
Committee recommendation	767,903,000

The Committee recommends an appropriation of \$767,903,000. This is \$1,200,000 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	2018 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)	277,010	277,010	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY)	41,817	41,817	.....
30	PAY GROUP F TRAINING (RECRUITS)	126,184	126,184	.....
60	MOBILIZATION TRAINING	1,969	1,969	.....
70	SCHOOL TRAINING	25,294	25,294	.....
80	SPECIAL TRAINING	39,809	39,809	.....
90	ADMINISTRATION AND SUPPORT	239,298	239,298	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	2,640	2,640	.....
95	PLATOON LEADER CLASS	8,828	8,828	.....
100	EDUCATION BENEFITS	3,854	3,854	.....
	TOTAL, BUDGET ACTIVITY 1	766,703	766,703	.....
	MILITARY PAY RAISE .....	.....	1,200	+ 1,200
	TOTAL, RESERVE PERSONNEL, MARINE CORPS	766,703	767,903	+ 1,200

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Program increase: Military pay raise .....	.....	1,200	+ 1,200

RESERVE PERSONNEL, AIR FORCE

Appropriations, 2017	\$1,725,526,000
Budget estimate, 2018	1,824,334,000
Committee recommendation	1,802,554,000

The Committee recommends an appropriation of \$1,802,554,000. This is \$21,780,000 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	2018 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)	700,605	700,605	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	100,151	100,151	.....
30	PAY GROUP F TRAINING (RECRUITS)	58,268	58,268	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	2,390	2,390	.....
60	MOBILIZATION TRAINING	709	709	.....
70	SCHOOL TRAINING	156,088	156,088	.....
80	SPECIAL TRAINING	262,850	262,850	.....
90	ADMINISTRATION AND SUPPORT	465,255	465,255	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	5,304	5,304	.....
100	EDUCATION BENEFITS	16,322	16,322	.....
120	HEALTH PROFESSION SCHOLARSHIP	53,326	53,326	.....
130	OTHER PROGRAMS (ADMIN & SUPPORT)	3,066	3,066	.....
	TOTAL, BUDGET ACTIVITY 1	1,824,334	1,824,334	.....
	UNDISTRIBUTED ADJUSTMENT		- 24,580	- 24,580
	MILITARY PAY RAISE		2,800	+ 2,800
	TOTAL, RESERVE PERSONNEL, AIR FORCE	1,824,334	1,802,554	- 21,780

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Improving funds management: Historical unobligated balances		- 24,580	- 24,580
UNDIST	Program increase: Military pay raise		2,800	+ 2,800

NATIONAL GUARD PERSONNEL, ARMY

Appropriations, 2017	\$7,899,423,000
Budget estimate, 2018	8,379,376,000
Committee recommendation	8,240,036,000

The Committee recommends an appropriation of \$8,240,036,000. This is \$139,340,000 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	2018 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)	2,623,904	2,623,904	.....
30	PAY GROUP F TRAINING (RECRUITS)	589,009	589,009	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	46,426	46,426	.....
70	SCHOOL TRAINING	570,713	570,713	.....
80	SPECIAL TRAINING	697,050	694,050	- 3,000
90	ADMINISTRATION AND SUPPORT	3,739,553	3,739,553	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	32,437	32,437	.....
100	EDUCATION BENEFITS	80,284	80,284	.....
	TOTAL, BUDGET ACTIVITY 1	8,379,376	8,376,376	- 3,000
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 156,440	- 156,440
	TRAUMA TRAINING .....	.....	1,800	+ 1,800
	MILITARY PAY RAISE .....	.....	14,100	+ 14,100
	AUTHORIZED END STRENGTH INCREASE .....	.....	4,200	+ 4,200
	TOTAL, NATIONAL GUARD PERSONNEL, ARMY	8,379,376	8,240,036	- 139,340

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: ARMY NATIONAL GUARD TRAINING AND SUPPORT			
80	Special Training	697,050	694,050	- 3,000
	Improving funds management: Exercise overestimation .....	.....	.....	- 15,000
	Program increase: Cyber protection teams .....	.....	.....	+ 12,000
UNDIST	Improving funds management: Historical unobligated balances .....	.....	- 156,440	- 156,440
UNDIST	Program increase: Trauma training .....	.....	1,800	+ 1,800
UNDIST	Program increase: Military pay raise .....	.....	14,100	+ 14,100
UNDIST	Program increase: Authorized end strength increase .....	.....	4,200	+ 4,200

NATIONAL GUARD PERSONNEL, AIR FORCE

Appropriations, 2017	\$3,283,982,000
Budget estimate, 2018	3,413,187,000
Committee recommendation	3,406,867,000

The Committee recommends an appropriation of \$3,406,867,000. This is \$6,320,000 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	2018 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)	980,536	980,536	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
30	PAY GROUP F TRAINING (RECRUITS)	88,496	88,496	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	8,684	8,684	.....
70	SCHOOL TRAINING	343,710	343,710	.....
80	SPECIAL TRAINING	175,589	175,589	.....
90	ADMINISTRATION AND SUPPORT	1,782,793	1,782,793	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	13,814	13,814	.....
100	EDUCATION BENEFITS	19,565	19,565	.....
	TOTAL, BUDGET ACTIVITY 1	3,413,187	3,413,187	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	-13,520	-13,520
	TRAUMA TRAINING .....	.....	1,800	+1,800
	MILITARY PAY RAISE .....	.....	5,400	+5,400
	TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE	3,413,187	3,406,867	-6,320

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Improving funds management: Historical unobligated balances .....	.....	-13,520	-13,520
UNDIST	Program increase: Trauma training .....	.....	1,800	+1,800
UNDIST	Program increase: Military pay raise .....	.....	5,400	+5,400

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 2018 budget requests a total of \$188,570,298,000 for operation and maintenance appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends operation and maintenance appropriations totaling \$191,917,176,000 for fiscal year 2018. This is \$3,346,878,000 above the budget estimate.

Committee recommended operation and maintenance appropriations for fiscal year 2018 are summarized below:

SUMMARY OF OPERATION AND MAINTENANCE APPROPRIATIONS

[In thousands of dollars]

Account	2018 budget estimate	Committee recommendation	Change from budget estimate
Operation and Maintenance:			
Operation and Maintenance, Army	38,945,417	39,780,856	+ 835,439
Operation and Maintenance, Navy	45,439,407	46,309,702	+ 870,295
Operation and Maintenance, Marine Corps	6,933,408	6,841,008	- 92,400
Operation and Maintenance, Air Force	39,429,232	40,751,433	+ 1,322,201
Operation and Maintenance, Defense-Wide	34,585,817	34,010,337	- 575,480
Operation and Maintenance, Army Reserve	2,906,842	2,902,504	- 4,338
Operation and Maintenance, Navy Reserve	1,084,007	1,062,707	- 21,300
Operation and Maintenance, Marine Corps Reserve	278,837	279,914	+ 1,077
Operation and Maintenance, Air Force Reserve	3,267,507	3,227,407	- 40,100
Operation and Maintenance, Army National Guard	7,307,170	7,500,220	+ 193,050
Operation and Maintenance, Air National Guard	6,939,968	7,090,368	+ 150,400
United States Court of Appeals for the Armed Forces	14,538	14,538	.....
Environmental Restoration, Army	215,809	215,809	.....
Environmental Restoration, Navy	281,415	323,649	+ 42,234
Environmental Restoration, Air Force	293,749	337,549	+ 43,800
Environmental Restoration, Defense-Wide	9,002	9,002	.....
Environmental Restoration, Formerly Used Defense Sites	208,673	215,673	+ 7,000
Overseas Humanitarian, Disaster, and Civic Aid	104,900	119,900	+ 15,000
Cooperative Threat Reduction Account	324,600	324,600	.....
Department of Defense Acquisition Workforce Development Fund ..	.....	600,000	+ 600,000
Total	188,570,298	191,917,176	+ 3,346,878

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 2018 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, or between subactivity groups in the case of Operation and Maintenance, Defense-Wide, in excess of \$15,000,000.

During fiscal year 2018, the Committee directs the Service Secretaries to submit written notification to the congressional defense committees not later than 15 days prior to implementing transfers in excess of \$15,000,000 out of the following readiness budget sub-activities:

Army:

- Maneuver units
- Modular support brigades
- Aviation Assets
- Land forces operations support
- Force readiness operations support
- Land forces depot maintenance
- Facilities sustainment, restoration and modernization
- Specialized skill training

Navy:

- Mission and other flight operations
- Fleet air training
- Aircraft depot maintenance
- Mission and other ship operations
- Ship depot maintenance
- Facilities sustainment, restoration and modernization

Marine Corps:

- Operational forces
- Field logistics
- Depot maintenance
- Facilities sustainment, restoration and modernization

Air Force:

- Primary combat forces
- Combat enhancement forces
- Depot maintenance
- Facilities sustainment, restoration and modernization
- Contractor logistics support and system support
- Flying hour program

Additionally, the Secretary of the Army shall submit written notification to the congressional defense committees not later than 15 days prior to implementing transfers in excess of \$15,000,000 into the following budget sub-activities:

- Operation and Maintenance, Army:
- Other personnel support

Operation and Maintenance, Army National Guard:

Other personnel support

The Committee further directs the Service Secretaries to include an enclosure with each written notification that includes: (1) increases and decreases by sub-activity group, (2) detailed justification explaining why the sources are available and why the increase is necessary, and (3) an explanation of the impact on resources included in the fiscal year 2019 budget request for each increase and decrease entry.

All 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

Civilian Workforce.—The Committee expects the Department of Defense to maintain a stable, effective, right-sized civilian cadre. The Committee further expects the hiring process to be responsive and efficient in order to build the workforce needed to achieve its mission and strategic goals. 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 1.9 percent pay raise for civilian personnel as requested.

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:

- 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 for both the base budget and Overseas Contingency Operations [OCO] budget requests.
- 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 and the Marine Corps are encouraged to begin utilizing OP–32 line 990 Information Technology Contract Support Services.

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 De-

fense'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, 2017 (Public Law 115-31) directing the elimination of the price subsidy provided to tobacco products at military exchanges.

Voluntary Military Education Programs—Tracking Outcomes.—The Committee acknowledges the delivery of the report "Tracking Outcomes: A Report to Congress on Voluntary Military Education Programs" first requested by the Committee in fiscal year 2014. The Committee recognizes the Department of Defense's infrastructure challenges in accessing and analyzing data, and its collaboration with the services and the Department of Education to produce the report. The Committee encourages the Department of Defense to continue efforts to improve the ability to analyze and assess how Voluntary Military Education Programs are benefitting servicemembers.

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.

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.

Resourcing the Arctic Strategy.—The Committee directs the Secretary of Defense to submit, in conjunction with the fiscal year 2019 President’s budget request exhibits, a concise accounting of the manner in which amounts requested in the budget for fiscal year 2019 support implementation of the Department of Defense’s current Arctic Strategy and Operations Plan including, to the maximum extent practicable, identification of specific obligations that address gaps in research, military infrastructure, and capabilities in the Arctic region. The accounting should also make note of obligations for military capabilities unique to the Arctic region. This material should be submitted in unclassified form but may include a classified annex.

Report on Educational Opportunities in Science, Technology, Engineering, and Mathematics.—The Committee recognizes the importance of educational opportunities in science, technology, engineering, and mathematics [STEM] for children of our servicemembers. The Committee directs the Secretary of Defense to submit a report to the congressional defense committees, not later than two years after the enactment of this Act, containing a description and assessment of: (1) current Department of Defense programs to improve opportunities for STEM education for military children; and (2) efforts to increase opportunities and achievement in STEM education for military children.

Environmental Impacts on National Security Planning.—The Committee acknowledges the Department’s initial steps to mitigate the national security implications of environmental impacts, as required by Senate Report 113–211 (July 17, 2014). The Committee affirms that the Department of Defense ought to be prepared to respond to increasing requests for humanitarian assistance and disaster relief [HA/DR] and defense support to civil authority [DSCA] missions. The Secretary of Defense is encouraged to continue to assess the risks posed by environmental impacts and to consider whether changes to force structure or specialized training could make military forces more capable of responding to emerging requirements with minimal disruption to existing missions.

Armed Forces Reserve Centers.—The Committee encourages the Chiefs of the Reserve Components to consider the impact of unit relocation and any Base Realignment and Closure [BRAC] consolidation activity within the past 10 years prior to the relocation of personnel or decrease in force structure at newly constructed reserve center facilities.

Drinking Water Contamination.—The Committee recognizes the importance of studying the health implications of per- and polyfluoroalkyl substances contamination in drinking water and affirms its support for section 343 of S. 1519, the National Defense Authorization Act for Fiscal Year 2018, as passed by the Senate, which relates to the health implications of this contamination. As directed by the Consolidated Appropriations Act, 2017 (Public Law 115–31), the Secretary of Defense submitted a report on the extent of the problem, plans for community notification, and procedures for timely remediation. The Committee now directs the Secretary of Defense to provide quarterly updates to the congressional defense committees on these efforts.

Boards for Correction of Military Records.—The Air Force Review Board Agency, Army Review Boards Agency, and the Board of Naval Corrections play a decisive role ensuring that military personnel enjoy fair, just, and equitable decisions as it pertains to their service records and benefits. However, the Committee is concerned that the Boards have failed to modernize personnel, processes, and infrastructure at the pace required for demonstrated increases in the volume and complexity of its caseloads. As a result, the Boards are significantly under-resourced. The Committee also notes that none of the Boards have current, validated needs assessments for personnel, information technology, and operations, which are critical to the budget process. Therefore, the Committee recommends additional resources for each board, and directs the Secretary of Defense, in consultation with the Service Secretaries, to submit a complete needs assessment of each Board to the congressional defense committees not later than 180 days after the enactment of this act.

OPERATION AND MAINTENANCE, ARMY

Appropriations, 2017	\$32,738,173,000
Budget estimate, 2018	38,945,417,000
Committee recommendation	39,780,856,000

The Committee recommends an appropriation of \$39,780,856,000. This is \$835,439,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	1,455,366	1,445,366	- 10,000
20	MODULAR SUPPORT BRIGADES	105,147	105,147	.....
30	ECHELONS ABOVE BRIGADES	604,117	728,117	+ 124,000
40	THEATER LEVEL ASSETS	793,217	738,217	- 55,000
50	LAND FORCES OPERATIONS SUPPORT	1,169,478	1,219,478	+ 50,000
60	AVIATION ASSETS	1,496,503	1,536,503	+ 40,000
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	3,675,901	3,677,401	+ 1,500
80	LAND FORCES SYSTEMS READINESS	466,720	471,592	+ 4,872
90	LAND FORCES DEPOT MAINTENANCE	1,443,516	1,518,516	+ 75,000
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT	8,080,357	8,100,357	+ 20,000
110	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION	3,401,155	4,080,382	+ 679,227
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	443,790	443,790	.....
	COMBATANT COMMAND SUPPORT			
180	US AFRICA COMMAND	225,382	225,382	.....
190	US EUROPEAN COMMAND	141,352	141,352	.....
200	US SOUTHERN COMMAND	190,811	190,811	.....
210	US FORCES KOREA	59,578	59,578	.....
	TOTAL, BUDGET ACTIVITY 1	23,752,390	24,681,989	+ 929,599

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
220	STRATEGIC MOBILITY	346,667	346,667	.....
230	ARMY PREPOSITIONED STOCKS	422,108	422,108	.....
240	INDUSTRIAL PREPAREDNESS	7,750	7,750	.....
	TOTAL, BUDGET ACTIVITY 2	776,525	776,525	.....
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
250	OFFICER ACQUISITION	137,556	137,556	.....
260	RECRUIT TRAINING	58,872	58,872	.....
270	ONE STATION UNIT TRAINING	58,035	58,035	.....
280	SENIOR RESERVE OFFICERS TRAINING CORPS	505,089	505,089	.....
	BASIC SKILL AND ADVANCED TRAINING			
290	SPECIALIZED SKILL TRAINING	1,015,541	995,541	- 20,000
300	FLIGHT TRAINING	1,124,115	1,124,115	.....
310	PROFESSIONAL DEVELOPMENT EDUCATION	220,688	220,688	.....
320	TRAINING SUPPORT	618,164	588,164	- 30,000
	RECRUITING AND OTHER TRAINING AND EDUCATION			
330	RECRUITING AND ADVERTISING	613,586	613,586	.....
340	EXAMINING	171,223	171,223	.....
350	OFF-DUTY AND VOLUNTARY EDUCATION	214,738	214,738	.....
360	CIVILIAN EDUCATION AND TRAINING	195,099	195,099	.....
370	JUNIOR RESERVE OFFICERS TRAINING CORPS	176,116	181,616	+ 5,500
	TOTAL, BUDGET ACTIVITY 3	5,108,822	5,064,322	- 44,500
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
390	SERVICEWIDE TRANSPORTATION	555,502	555,502	.....
400	CENTRAL SUPPLY ACTIVITIES	894,208	894,208	.....
410	LOGISTICS SUPPORT ACTIVITIES	715,462	710,462	- 5,000
420	AMMUNITION MANAGEMENT	446,931	446,931	.....
	SERVICEWIDE SUPPORT			
430	ADMINISTRATION	493,616	490,616	- 3,000
440	SERVICEWIDE COMMUNICATIONS	2,084,922	2,084,922	.....
450	MANPOWER MANAGEMENT	259,588	259,588	.....
460	OTHER PERSONNEL SUPPORT	326,387	326,387	.....
470	OTHER SERVICE SUPPORT	1,087,602	1,087,602	.....
480	ARMY CLAIMS ACTIVITIES	210,514	210,514	.....
490	REAL ESTATE MANAGEMENT	243,584	243,584	.....
500	FINANCIAL IMPROVEMENT AND AUDIT READINESS	284,592	284,592	.....
	SUPPORT OF OTHER NATIONS			
510	INTERNATIONAL MILITARY HEADQUARTERS	415,694	415,694	.....
520	MISC. SUPPORT OF OTHER NATIONS	46,856	46,856	.....
	OTHER PROGRAMS			
	OTHER PROGRAMS	1,242,222	1,261,162	+ 18,940
	TOTAL, BUDGET ACTIVITY 4	9,307,680	9,318,620	+ 10,940
	OVERESTIMATION OF CIVILIAN FTE TARGETS .....	.....	- 50,000	- 50,000
	REIMBURSABLE MANPOWER CONVERSION .....	.....	- 55,000	- 55,000
	UNJUSTIFIED PROGRAM GROWTH .....	.....	- 19,400	- 19,400
	O & M TRANSFER TO DAWDF .....	.....	- 110,000	- 110,000
	AUTHORIZED END STRENGTH INCREASE .....	.....	172,300	+ 172,300
	BOARD OF CORRECTIONS .....	.....	1,500	+ 1,500
	TOTAL, OPERATION AND MAINTENANCE, ARMY	38,945,417	39,780,856	+ 835,439

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units	1,455,366	1,445,366	- 10,000
	Improving funds management: Remove one-time fiscal year 2017 increases			- 110,000
	Program increase: Improve training and maintenance readiness			+ 100,000
113	Echelons Above Brigade	604,117	728,117	+ 124,000
	Program increase: Improve training and maintenance readiness			+ 124,000
114	Theater Level Assets	793,217	738,217	- 55,000
	Maintain program affordability: MIP program unjustified growth			- 90,000
	Program increase: Improve maintenance readiness			+ 35,000
115	Land Forces Operations Support	1,169,478	1,219,478	+ 50,000
	Program increase: Improve maintenance readiness			+ 50,000
116	Aviation Assets	1,496,503	1,536,503	+ 40,000
	Program increase: Improve maintenance readiness			+ 40,000
121	Force Readiness Operations Support	3,675,901	3,677,401	+ 1,500
	Maintain program affordability: Unjustified growth			- 60,000
	Program increase: Advanced helmets			+ 5,000
	Program increase: SOUTHCOM maritime patrol aircraft-expansion			+ 38,500
	Program increase: SOUTHCOM ship, special mission			+ 18,000
122	Land Forces Systems Readiness	466,720	471,592	+ 4,872
	Program increase: Medical equipment sets			+ 4,872
123	Land Forces Depot Maintenance	1,443,516	1,518,516	+ 75,000
	Program increase: Improve maintenance readiness			+ 75,000
131	Base Operations Support	8,080,357	8,100,357	+ 20,000
	Improving funds management: Program decrease unaccounted for			- 30,000
	Program increase: Improve readiness			+ 50,000
132	Facilities Sustainment, Restoration & Modernization	3,401,155	4,080,382	+ 679,227
	Program increase			+ 679,227
321	Specialized Skill Training	1,015,541	995,541	- 20,000
	Maintain program affordability: Unjustified growth			- 20,000
324	Training Support	618,164	588,164	- 30,000
	Maintain program affordability: Unjustified growth			- 30,000
335	Junior Reserve Officer Training Corps	176,116	181,616	+ 5,500
	Program increase			+ 5,500
423	Logistic Support Activities	715,462	710,462	- 5,000
	Improving funds management: Remove one-time fiscal year 2017 costs			- 5,000
431	Administration	493,616	490,616	- 3,000
	Maintain program affordability: Unjustified growth			- 3,000
999	Classified Programs	1,242,222	1,261,162	+ 18,940
	Program increase: SOUTHCOM ISR			+ 21,750
	Classified adjustment			- 2,810
UNDIST	Maintaining program affordability: Unjustified program growth for reimbursable manpower conversion		- 55,000	- 55,000
UNDIST	Maintaining program affordability: Unjustified program growth		- 19,400	- 19,400
UNDIST	Maintain program affordability: Overestimation of civilian FTEs		- 50,000	- 50,000
UNDIST	Transfer: Operation and Maintenance funds to provide appropriations for the Department of Defense Acquisition Workforce Development Fund		- 110,000	- 110,000
UNDIST	Program increase: Authorized end strength increase		+ 172,300	+ 172,300
UNDIST	Program increase: Board of Corrections		+ 1,500	+ 1,500

Army Sustainment, Restoration and Modernization [SRM] and Facility Reduction Funding.—The Committee has provided additional resources for facility sustainment, restoration and modernization. The Secretary of the Army is encouraged to use a portion of these funds on Army testing facilities and for the demolition of contaminated military facilities that are no longer in use.

OPERATION AND MAINTENANCE, NAVY

Appropriations, 2017 \$38,552,017,000
 Budget estimate, 2018 45,439,407,000
 Committee recommendation 46,309,702,000

The Committee recommends an appropriation of \$46,309,702,000. This is \$870,295,000 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	2018 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	5,544,165	5,544,165	.....
20	FLEET AIR TRAINING	2,075,000	2,023,000	— 52,000
30	AVIATION TECHNICAL DATA AND ENGINEERING SERVICES	46,801	46,801	.....
40	AIR OPERATIONS AND SAFETY SUPPORT	119,624	128,864	+ 9,240
50	AIR SYSTEMS SUPPORT	552,536	589,536	+ 37,000
60	AIRCRAFT DEPOT MAINTENANCE	1,088,482	1,088,482	.....
70	AIRCRAFT DEPOT OPERATIONS SUPPORT	40,584	40,584	.....
80	AVIATION LOGISTICS	723,786	843,786	+ 120,000
	SHIP OPERATIONS			
90	MISSION AND OTHER SHIP OPERATIONS	4,067,334	4,049,334	— 18,000
100	SHIP OPERATIONS SUPPORT AND TRAINING	977,701	977,701	.....
110	SHIP DEPOT MAINTENANCE	7,165,858	7,165,858	.....
120	SHIP DEPOT OPERATIONS SUPPORT	2,193,851	2,187,551	— 6,300
	COMBAT COMMUNICATIONS/SUPPORT			
130	COMBAT COMMUNICATIONS	1,288,094	1,256,094	— 32,000
150	SPACE SYSTEMS AND SURVEILLANCE	206,678	206,678	.....
160	WARFARE TACTICS	621,581	602,581	— 19,000
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	370,681	375,681	+ 5,000
180	COMBAT SUPPORT FORCES	1,437,966	1,437,966	.....
190	EQUIPMENT MAINTENANCE	162,705	162,705	.....
210	COMBATANT COMMANDERS CORE OPERATIONS	65,108	65,108	.....
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	86,892	91,892	+ 5,000
230	MILITARY INFORMATION SUPPORT OPERATIONS	8,427	8,427	.....
240	CYBERSPACE ACTIVITIES	385,212	372,212	— 13,000
	WEAPONS SUPPORT			
260	FLEET BALLISTIC MISSILE	1,278,456	1,258,456	— 20,000
280	WEAPONS MAINTENANCE	745,680	750,680	+ 5,000
290	OTHER WEAPON SYSTEMS SUPPORT	380,016	380,016	.....
	BASE SUPPORT			
300	ENTERPRISE INFORMATION TECHNOLOGY	914,428	877,428	— 37,000
310	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	1,905,679	2,568,679	+ 663,000
320	BASE OPERATING SUPPORT	4,333,688	4,357,688	+ 24,000
	TOTAL, BUDGET ACTIVITY 1	38,787,013	39,457,953	+ 670,940

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	BUDGET ACTIVITY 2: MOBILIZATION			
	READY RESERVE AND PREPOSITIONING FORCES			
330	SHIP PREPOSITIONING AND SURGE	417,450	564,447	+ 146,997
340	READY RESERVE FORCE		289,255	+ 289,255
	ACTIVATIONS/INACTIVATIONS			
360	SHIP ACTIVATIONS/INACTIVATIONS	198,341	198,341	.....
	MOBILIZATION PREPAREDNESS			
370	EXPEDITIONARY HEALTH SERVICES	66,849	121,302	+ 54,453
390	COAST GUARD SUPPORT	21,870	21,870	.....
	TOTAL, BUDGET ACTIVITY 2	704,510	1,195,215	+ 490,705
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
400	OFFICER ACQUISITION	143,924	143,924	.....
410	RECRUIT TRAINING	8,975	8,975	.....
420	RESERVE OFFICERS TRAINING CORPS	144,708	144,708	.....
	BASIC SKILLS AND ADVANCED TRAINING			
430	SPECIALIZED SKILL TRAINING	812,708	814,708	+ 2,000
450	PROFESSIONAL DEVELOPMENT EDUCATION	180,448	180,448	.....
460	TRAINING SUPPORT	234,596	242,896	+ 8,300
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
470	RECRUITING AND ADVERTISING	177,517	177,517	.....
480	OFF-DUTY AND VOLUNTARY EDUCATION	103,154	103,154	.....
490	CIVILIAN EDUCATION AND TRAINING	72,216	72,216	.....
500	JUNIOR ROTC	53,262	53,262	.....
	TOTAL, BUDGET ACTIVITY 3	1,931,508	1,941,808	+ 10,300
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
510	ADMINISTRATION	1,135,429	1,106,929	- 28,500
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	149,365	149,365	.....
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	386,749	386,749	.....
	LOGISTICS OPERATIONS AND TECHNICAL SUPPORT			
590	SERVICEWIDE TRANSPORTATION	165,301	165,301	.....
610	PLANNING, ENGINEERING AND DESIGN	311,616	311,616	.....
620	ACQUISITION AND PROGRAM MANAGEMENT	665,580	665,580	.....
	SECURITY PROGRAMS			
660	NAVAL INVESTIGATIVE SERVICE	659,143	659,143	.....
	OTHER PROGRAMS			
	OTHER PROGRAMS	543,193	536,643	- 6,550
	TOTAL, BUDGET ACTIVITY 4	4,016,376	3,981,326	- 35,050
	ENTERPRISE LICENSE AGREEMENTS		- 25,000	- 25,000
	CIVILIAN FTE		- 17,000	- 17,000
	O & M TRANSFER TO DAWDF		- 227,000	- 227,000
	LONG TERM TEMP DUTY WAIVERS		1,400	+ 1,400
	BOARD OF CORRECTIONS		1,000	+ 1,000
	TOTAL, OPERATION AND MAINTENANCE, NAVY	45,439,407	46,309,702	+ 870,295

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1A2A	Fleet Air Training	2,075,000	2,023,000	- 52,000
	Improving funds management: Remove one-time fiscal year 2017 increase			- 52,000
1A4A	Air Operations and Safety Support	119,624	128,864	+ 9,240
	Program increase: T-45 and F/A-18 physiological episode funding			+ 9,240
1A4N	Air Systems Support	552,536	589,536	+ 37,000
	Improving funds management: Remove one-time fiscal year 2017 congressional increase			- 6,500
	Improving funds management: Program decrease not accounted for			- 30,000
	Program increase: T-45 and F/A-18 physiological episode funding			+ 31,500
	Program increase: Fund to maximum executable			+ 42,000
1A9A	Aviation Logistics	723,786	843,786	+ 120,000
	Program increase: Fund to maximum executable			+ 120,000
1B1B	Mission and Other Ship Operations	4,067,334	4,049,334	- 18,000
	Improving funds management: Program decrease not accounted for			- 40,000
	Program increase: Combat logistics maintenance funding for TAO-187			+ 22,000
1B5B	Ship Depot Operations Support	2,193,851	2,187,551	- 6,300
	Improving funds management: Remove one-time fiscal year 2017 congressional increase			- 6,300
1C1C	Combat Communications	1,288,094	1,256,094	- 32,000
	Maintain program affordability: Unjustified growth			- 32,000
1C4C	Warfare Tactics	621,581	602,581	- 19,000
	Maintain program affordability: Unjustified growth			- 20,000
	Program increase: Operational range clearance and environmental compliance			+ 1,000
1C5C	Operational Meteorology and Oceanography	370,681	375,681	+ 5,000
	Program increase: Unmanned systems in maritime environment			+ 5,000
1CCM	Combatant Commanders Direct Mission Support	86,892	91,892	+ 5,000
	Program increase: PACOM no-notice agile logistics exercise			+ 5,000
1CCY	Cyberspace Activities	385,212	372,212	- 13,000
	Maintain program affordability: Unjustified growth			- 13,000
1D2D	Fleet Ballistic Missile	1,278,456	1,258,456	- 20,000
	Improving funds management: Program decrease not accounted for			- 20,000
1D4D	Weapons Maintenance	745,680	750,680	+ 5,000
	Program increase: Air to air training rounds and CVN magazine alterations			+ 5,000
BSIT	Enterprise Information	914,428	877,428	- 37,000
	Maintain program affordability: Savings from contract award delay			- 37,000
BSM1	Sustainment, Restoration and Modernization	1,905,679	2,568,679	+ 663,000
	Program increase			+ 445,000
	Program increase: FSRM funding shortfall for projects			+ 218,000
BSS1	Base Operating Support	4,333,688	4,357,688	+ 24,000
	Maintain program affordability: Unjustified growth			- 27,000
	Program increase: FSRM funding shortfall for projects			+ 28,000
	Program increase: Operational range clearance and environmental compliance			+ 11,000
	Program increase: Port operations service craft maintenance—Return to 5 year overhaul periodicity			+ 12,000
2A1F	Ship Prepositioning and Surge	417,450	564,447	+ 146,997
	Transfer from National Defense Sealift Fund: LMSR Maintenance			+ 135,800
	Transfer from National Defense Sealift Fund: Mobilization Alterations			+ 11,197
2A2F	Ready Reserve Force		289,255	+ 289,255

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Transfer from National Defense Sealift Fund: Ready Reserve Force			+ 289,255
2C1H	Expeditionary Health Services Systems	66,849	121,302	+ 54,453
	Transfer from National Defense Sealift Fund: T-AH Maintenance			+ 54,453
3B1K	Specialized Skill Training	812,708	814,708	+ 2,000
	Program increase: Comprehensive review of recent surface warfare incidents—Shore-based bridge trainer improvements			+ 2,000
3B4K	Training Support	234,596	242,896	+ 8,300
	Program increase: Comprehensive review of recent surface warfare incidents—Shore-based bridge trainer improvements			+ 8,300
4A1M	Administration	1,135,429	1,106,929	- 28,500
	Maintain program affordability: Unjustified growth			- 24,000
	Improving funds management: Program transfer not fully accounted for			- 5,500
	Program increase: Review of ship logs for veterans' claims			+ 1,000
999	Classified Programs	543,193	536,643	- 6,550
	Classified adjustment			- 6,550
UNDIST	Maintain program affordability: Unjustified growth for enterprise license agreements		- 25,000	- 25,000
UNDIST	Maintain program affordability: Unjustified growth for civilian FTE		- 17,000	- 17,000
UNDIST	Transfer: Operation and Maintenance funds to provide appropriations for the Department of Defense Acquisition Workforce Development Fund		- 227,000	- 227,000
UNDIST	Program increase: Joint Travel Regulation-Long-term temporary duty waivers		1,400	+ 1,400
UNDIST	Program increase: Board of Corrections		1,000	+ 1,000

Unmanned Systems in Maritime Environment.—The Committee recognizes the importance of unmanned maritime systems and the numerous challenges to incorporating these new technologies. The development of a test range for unmanned maritime systems is underway and a significant gap exists for ongoing oceanographic measurements in the region of the range. The Secretary of the Navy is encouraged to develop partnerships with research universities to leverage the immense oceanographic expertise and to enhance the mission of the Naval Meteorology and Oceanography Command.

Minimum Capital Investment for Certain Depots.—The Secretary of each military department is directed to invest in the capital budgets of the covered depots set forth in 10 U.S.C. 2476(e) a total amount equal to not less than 6 percent of the average total combined maintenance, repair, and overhaul workload funded at all the depots of that military department for the preceding 3 fiscal years. The intent of this investment funding is to modernize or improve the efficiency of depot facilities, equipment, work environment, or processes in direct support of depot operations. The depots also spend funding on sustainment of existing facilities, infrastructure, or equipment but those are not to be included in the 6 percent calculation.

The Committee is concerned that the military services are calculating the funds available for both investment and sustainment using 6 percent of the total workload revenue, and thereby under-

funding both areas. The Committee notes that the military depots should be receiving not less than 6 percent of their total workload funding for investment actions alone, while funding for sustainment actions should be budgeted separately.

Chief of Naval Air Training [CNATRA].—The Committee understands the critical training requirement and pilot shortfall that the Department of Defense is experiencing and encourages the Secretary of the Navy to seek alternate airfields, to include in-land locations, to expand training opportunities.

Dry Dock Recapitalization.—The Committee notes that Naval Sea Systems Command [NAVSEA] is continuing to assess the requirements necessary to improve graving docks to sustain the maintenance needs of the fleet. The Committee urges the Commander of the Naval Sea Systems Command to continue this analysis and to develop plans and program requirements to ensure that all four public shipyards continue to have the maximum capacity to perform the mission critical work of keeping the fleet afloat. The Committee also encourages the Commander of NAVSEA to consider the value of mobile floating dry docks to support the force generating requirements of the Pacific Fleet and Fleet Force commanders, and the value that mobile floating dry docks could bring to the warfighting mission.

Naval Shipyard Apprentice Program.—The Committee directs that during fiscal year 2018 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 2019 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.

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.

OPERATION AND MAINTENANCE, MARINE CORPS

Appropriations, 2017	\$5,676,152,000
Budget estimate, 2018	6,933,408,000
Committee recommendation	6,841,008,000

The Committee recommends an appropriation of \$6,841,008,000. This is \$92,400,000 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:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATIONAL FORCES	967,949	970,949	+ 3,000
20	FIELD LOGISTICS	1,065,090	1,025,090	- 40,000
30	DEPOT MAINTENANCE	286,635	286,635	.....
	USMC PREPOSITIONING			
40	MARITIME PREPOSITIONING	85,577	85,577	.....
	COMBAT OPERATIONS/SUPPORT			
50	CYBERSPACE ACTIVITIES	181,518	181,518	.....
	BASE SUPPORT			
60	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	785,264	829,064	+ 43,800
70	BASE OPERATING SUPPORT	2,196,252	2,157,252	- 39,000
	TOTAL, BUDGET ACTIVITY 1	5,568,285	5,536,085	- 32,200
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
80	RECRUIT TRAINING	16,163	16,163	.....
90	OFFICER ACQUISITION	1,154	1,154	.....
	BASIC SKILLS AND ADVANCED TRAINING			
100	SPECIALIZED SKILLS TRAINING	100,398	100,398	.....
110	PROFESSIONAL DEVELOPMENT EDUCATION	46,474	46,474	.....
120	TRAINING SUPPORT	405,039	405,039	.....
	RECRUITING AND OTHER TRAINING EDUCATION			
130	RECRUITING AND ADVERTISING	201,601	201,601	.....
140	OFF-DUTY AND VOLUNTARY EDUCATION	32,045	32,045	.....
150	JUNIOR ROTC	24,394	24,394	.....
	TOTAL, BUDGET ACTIVITY 3	827,268	827,268	.....
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
160	SERVICEWIDE TRANSPORTATION	28,827	28,827	.....
170	ADMINISTRATION	378,683	368,683	- 10,000
190	ACQUISITION AND PROGRAM MANAGEMENT	77,684	77,684	.....
	SECURITY PROGRAMS			
	SECURITY PROGRAMS	52,661	52,661	.....
	TOTAL, BUDGET ACTIVITY 4	537,855	527,855	- 10,000
	REMOVE FY17 CONGRESSIONAL INCREASE .....	.....	- 59,000	- 59,000
	PROGRAM TRANSFER UNACCOUNTED FOR .....	.....	- 4,000	- 4,000
	AUTHORIZED END STRENGTH INCREASE .....	.....	12,800	+ 12,800
	TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS	6,933,408	6,841,008	- 92,400

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Operational Forces	967,949	970,949	+ 3,000
	Improving funds management: Remove one-time fiscal year 2017 increase .....	.....	.....	- 12,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Protective equipment			+ 15,000
1A2A	Field Logistics	1,065,090	1,025,090	- 40,000
	Maintain program affordability: Unjustified growth			- 40,000
BSM1	Sustainment, Restoration & Modernization	785,264	829,064	+ 43,800
	Program increase			+ 43,800
BSS1	Base Operating Support	2,196,252	2,157,252	- 39,000
	Maintain program affordability: Unjustified growth			- 19,000
	Improving funds management: Remove one-time fiscal year 2017 increase			- 20,000
4A4G	Administration	378,683	368,683	- 10,000
	Maintain program affordability: Unjustified growth			- 10,000
UNDIST	Improving funds management: Remove one-time fiscal year 2017 congressional increase		- 59,000	- 59,000
UNDIST	Improving funds management: Program transfer not accounted for		- 4,000	- 4,000
UNDIST	Program increase: Authorized end strength increase		12,800	+ 12,800

Marine Corps Civilian Personnel.—The Committee is aware that the Marine Corps operates under a Manage to Payroll concept that focuses on a funding level for civilian labor and adjusts the Full Time Equivalent [FTE] level to reflect the estimated number of workyears that funding level will afford. This is unlike the other military services where the civilian personnel funding estimates are built on the workload requirements. To better understand this concept, the Committee directs the Government Accountability Office to provide the congressional defense committees a report not later than 90 days after enactment of this act on the details of how the Marine Corps develops its civilian labor requirements (both FTEs and funding). The report should examine the benefits and shortfalls of this concept and make recommendations to either continue or change this approach.

OPERATION AND MAINTENANCE, AIR FORCE

Appropriations, 2017	\$36,247,724,000
Budget estimate, 2018	39,429,232,000
Committee recommendation	40,751,433,000

The Committee recommends an appropriation of \$40,751,433,000. This is \$1,322,201,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR FORCE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES	694,702	698,902	+ 4,200
20	COMBAT ENHANCEMENT FORCES	1,392,326	1,494,026	+ 101,700
30	AIR OPERATIONS TRAINING	1,128,640	1,226,740	+ 98,100
40	DEPOT MAINTENANCE	2,755,367	2,895,967	+ 140,600

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
50	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	3,292,553	4,029,053	+ 736,500
60	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	6,555,186	6,871,486	+ 316,300
70	FLYING HOUR PROGRAM	4,135,330	3,775,330	- 360,000
80	BASE OPERATING SUPPORT	5,985,232	6,379,432	+ 394,200
	COMBAT RELATED OPERATIONS			
90	GLOBAL C3I AND EARLY WARNING	847,516	921,516	+ 74,000
100	OTHER COMBAT OPERATIONS SUPPORT PROGRAMS	1,131,817	1,154,717	+ 22,900
	SPACE OPERATIONS			
120	LAUNCH FACILITIES	175,457	175,457	.....
130	SPACE CONTROL SYSTEMS	353,458	353,458	.....
	COCOM			
160	US NORTHCOM/NORAD	189,891	189,891	.....
170	US STRATCOM	534,236	519,236	- 15,000
180	US CYBERCOM	357,830	357,830	.....
190	US CENTCOM	168,208	168,208	.....
200	US SOCOM	2,280	2,280	.....
210	US TRANSCOM	533	533	.....
	OPERATING FORCES			
	CLASSIFIED PROGRAMS	1,091,655	1,087,655	- 4,000
	TOTAL, BUDGET ACTIVITY 1	30,792,217	32,301,717	+ 1,509,500
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
220	AIRLIFT OPERATIONS	1,570,697	1,570,697	.....
230	MOBILIZATION PREPAREDNESS	130,241	176,741	+ 46,500
	TOTAL, BUDGET ACTIVITY 2	1,700,938	1,747,438	+ 46,500
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
270	OFFICER ACQUISITION	113,722	113,722	.....
280	RECRUIT TRAINING	24,804	24,804	.....
290	RESERVE OFFICER TRAINING CORPS (ROTC)	95,733	99,733	+ 4,000
	BASIC SKILLS AND ADVANCED TRAINING			
320	SPECIALIZED SKILL TRAINING	395,476	405,676	+ 10,200
330	FLIGHT TRAINING	501,599	501,599	.....
340	PROFESSIONAL DEVELOPMENT EDUCATION	287,500	287,500	.....
350	TRAINING SUPPORT	91,384	91,384	.....
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
370	RECRUITING AND ADVERTISING	166,795	166,795	.....
380	EXAMINING	4,134	4,134	.....
390	OFF DUTY AND VOLUNTARY EDUCATION	222,691	222,691	.....
400	CIVILIAN EDUCATION AND TRAINING	171,974	171,974	.....
410	JUNIOR ROTC	60,070	60,070	.....
	TOTAL, BUDGET ACTIVITY 3	2,135,882	2,150,082	+ 14,200
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
420	LOGISTICS OPERATIONS	805,453	776,453	- 29,000
430	TECHNICAL SUPPORT ACTIVITIES	127,379	127,379	.....
	SERVICEWIDE ACTIVITIES			
470	ADMINISTRATION	911,283	890,283	- 21,000
480	SERVICEWIDE COMMUNICATIONS	432,172	432,172	.....
490	OTHER SERVICEWIDE ACTIVITIES	1,175,658	1,160,558	- 15,100
500	CIVIL AIR PATROL CORPORATION	26,719	30,800	+ 4,081
	SUPPORT TO OTHER NATIONS			
530	INTERNATIONAL SUPPORT	76,878	76,878	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	SECURITY PROGRAMS			
	SECURITY PROGRAMS	1,244,653	1,240,673	- 3,980
	TOTAL, BUDGET ACTIVITY 4	4,800,195	4,735,196	- 64,999
	ACQUISITION WORKFORCE TRANSFER PRICING		- 84,000	- 84,000
	O & M TRANSFER TO DAWDF		- 100,000	- 100,000
	BOARD OF CORRECTIONS		1,000	+ 1,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE	39,429,232	40,751,433	+ 1,322,201

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces	694,702	698,902	+ 4,200
	Program increase: Restore contingency response group-PACAF			+ 4,200
011C	Combat Enhancement Forces	1,392,326	1,494,026	+ 101,700
	Transfer: Air Force-requested from RDAF line 100			+ 23,000
	Program increase: Battlefield airman-equipment assembly			+ 8,300
	Program increase: Unified capabilities			+ 70,400
011D	Air Operations Training (OJT, Maintain Skills)	1,128,640	1,226,740	+ 98,100
	Program increase: Additional F-35 contract maintenance training instructors			+ 82,900
	Program increase: Contract adversary air services			+ 10,200
	Program increase: Operational training and infrastructure initiatives			+ 5,000
011M	Depot Maintenance	2,755,367	2,895,967	+ 140,600
	Maintain program affordability: Unjustified growth			- 20,000
	Program increase: Battlefield airman-equipment assembly			+ 7,100
	Program increase: Weapon system sustainment			+ 153,500
011R	Facilities Sustainment, Restoration & Modernization	3,292,553	4,029,053	+ 736,500
	Maintain program affordability: Unjustified growth for exchange rate factor			- 15,000
	Program increase			+ 746,000
	Program increase: KC-46 facilities			+ 5,500
011W	Contractor Logistics Support and System Support	6,555,186	6,871,486	+ 316,300
	Program increase: EC-130H Compass Call			+ 20,000
	Program increase: Weapon system sustainment			+ 296,300
011Y	Flying Hour Program	4,135,330	3,775,330	- 360,000
	Improving funds management: Flying hour pricing transfer unaccounted for			- 360,000
011Z	Base Support	5,985,232	6,379,432	+ 394,200
	Maintain program affordability: Unjustified growth			- 108,000
	Maintain program affordability: Unjustified growth for exchange rate factor			- 50,000
	Program increase: Enterprise services			+ 65,000
	Program increase: Cloud migration-cloud computing environment			+ 42,600
	Program increase: Application hosting/MSO			+ 45,000
	Program increase: Mission readiness at installations			+ 146,000
	Program increase: Operational communications and JIE conversion			+ 190,000
	Program increase: Transient alert contracts			+ 10,300
	Program increase: Child and youth compliance			+ 35,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Financial literacy			+ 11,600
	Program increase: Restore contingency response group-PACAF			+ 6,700
012A	Global C3I and Early Warning	847,516	921,516	+ 74,000
	Program increase: SBIRS survivable ground sites			+ 8,000
	Program increase: UH-1N replacement environmental impact study			+ 2,000
	Program increase: NC3 weapon system and education improvements			+ 64,000
012C	Other Combat Ops Spt Programs	1,131,817	1,154,717	+ 22,900
	Program increase: Eagle Vision maintenance and sustainment			+ 6,100
	Program increase: Restore contingency response group-PACAF			+ 16,800
015D	US STRATCOM	534,236	519,236	- 15,000
	Maintain program affordability: Unjustified growth			- 15,000
999	Classified Programs	1,091,655	1,087,655	- 4,000
	Classified adjustment			- 4,000
021D	Mobilization Preparedness	130,241	176,741	+ 46,500
	Program increase: Set the theater-base expeditionary airfield resources-PACOM			+ 29,600
	Program increase: Restore contingency response group-PACAF			+ 16,900
031D	Reserve Officers Training Corps (ROTC)	95,733	99,733	+ 4,000
	Program increase: Expanded student pilot training initiative			+ 4,000
032A	Specialized Skill Training	395,476	405,676	+ 10,200
	Program increase: AFSPC cyber request for CMF initial skills training pipeline			+ 10,200
041A	Logistics Operations	805,453	776,453	- 29,000
	Maintain program affordability: Unjustified growth			- 29,000
042A	Administration	911,283	890,283	- 21,000
	Improving funds management: Program decrease unaccounted for			- 21,000
042G	Other Servicewide Activities	1,175,658	1,160,558	- 15,100
	Maintain program affordability: Unjustified growth			- 20,000
	Program increase: Violence prevention program			+ 4,900
042I	Civil Air Patrol	26,719	30,800	+ 4,081
	Program increase			+ 4,081
999	Classified Programs	1,244,653	1,240,673	- 3,980
	Classified adjustment			- 3,980
UNDIST	Improving funds management: Acquisition workforce transfer pricing adjustment		- 84,000	- 84,000
UNDIST	Transfer: Operation and Maintenance funds to provide appropriations for the Department of Defense Acquisition Workforce Development Fund		- 100,000	- 100,000
UNDIST	Program increase: Board of Corrections		1,000	+ 1,000

Air Force Associate Units.—The Committee recognizes the importance of Total Force Integration within the Air Force and certain Air National Guard units who have a critical role in construction and engineering. This integration ensures cross-component interoperability to fill current and future mission requirements. The Committee encourages the Air Force to continue placing an increased focus on actively managing associate units between the Air National Guard and the active duty component and to establish robust memorandum of agreements to ensure units are not left without equipment when the active component deploys.

Search and Rescue in the Arctic.—The Committee notes that increased utilization of the Arctic by commercial air and vessel traffic

requires a reexamination of search and rescue requirements in the region. The Alaska Air National Guard 176th Wing is the closest dedicated rescue force with the greatest capability but maintains only a single Arctic Sustainment Package for alerts and a partial package for training. Given the lack of a defined requirement for search and rescue in the Arctic, the Alaska Air National Guard must be prepared to respond without specific funding for equipment, sustainment of operations or logistics. The Secretary of Defense is encouraged to further refine requirements for Arctic Search and Rescue during fiscal year 2018 and to report to the congressional defense committees on current requirements for Arctic search and rescue not later than 120 days after the enactment of this act.

OPERATION AND MAINTENANCE, DEFENSE-WIDE

Appropriations, 2017	\$32,373,949,000
Budget estimate, 2018	34,585,817,000
Committee recommendation	34,010,337,000

The Committee recommends an appropriation of \$34,010,337,000. This is \$575,480,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, DEFENSE-WIDE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
10	JOINT CHIEFS OF STAFF	440,853	440,853	.....
20	JOINT CHIEFS OF STAFF—CE2T2	551,511	551,511	.....
40	SPECIAL OPERATIONS COMMAND	5,008,274	4,971,308	− 36,966
	TOTAL, BUDGET ACTIVITY 1	6,000,638	5,963,672	− 36,966
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
50	DEFENSE ACQUISITION UNIVERSITY	144,970	142,941	− 2,029
60	JOINT CHIEFS OF STAFF RECRUITING, AND OTHER TRAINING AND EDUCATION	84,402	86,402	+ 2,000
80	SPECIAL OPERATIONS COMMAND	379,462	379,462	.....
	TOTAL, BUDGET ACTIVITY 3	608,834	608,805	− 29
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
90	CIVIL MILITARY PROGRAMS	183,000	206,000	+ 23,000
110	DEFENSE CONTRACT AUDIT AGENCY	597,836	588,347	− 9,489
120	DEFENSE CONTRACT MANAGEMENT AGENCY	1,439,010	1,418,485	− 20,525
130	DEFENSE HUMAN RESOURCES ACTIVITY	807,754	841,637	+ 33,883
140	DEFENSE INFORMATION SYSTEMS AGENCY	2,009,702	1,977,789	− 31,913
160	DEFENSE LEGAL SERVICES AGENCY	24,207	24,207	.....
170	DEFENSE LOGISTICS AGENCY	400,422	388,879	− 11,543
180	DEFENSE MEDIA ACTIVITY	217,585	227,585	+ 10,000
190	DEFENSE POW /MISSING PERSONS OFFICE	131,268	125,991	− 5,277
200	DEFENSE SECURITY COOPERATION AGENCY	722,496	613,496	− 109,000
210	DEFENSE SECURITY SERVICE	683,665	653,665	− 30,000
230	DEFENSE TECHNOLOGY SECURITY AGENCY	34,712	34,712	.....
240	DEFENSE THREAT REDUCTION AGENCY	542,604	530,604	− 12,000
260	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	2,794,389	2,786,653	− 7,736
270	MISSILE DEFENSE AGENCY	504,058	475,050	− 29,008

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
290	OFFICE OF ECONOMIC ADJUSTMENT	57,840	57,840	.....
300	OFFICE OF THE SECRETARY OF DEFENSE	1,488,344	1,483,298	- 5,046
310	SPECIAL OPERATIONS COMMAND	94,273	91,698	- 2,575
320	WASHINGTON HEADQUARTERS SERVICES	436,776	434,397	- 2,379
	OTHER PROGRAMS	14,806,404	14,709,144	- 97,260
	TOTAL, BUDGET ACTIVITY 4	27,976,345	27,669,477	- 306,868
	OVERESTIMATION OF CIVILIAN FTE TARGETS .....	.....	- 108,617	- 108,617
	O&M TRANSFER TO DAWDF .....	.....	- 163,000	- 163,000
	IMPACT AID .....	.....	25,000	+ 25,000
	IMPACT AID FOR CHILDREN WITH SEVERE DISABILITIES .....	.....	5,000	+ 5,000
	PFOS/PFOA STUDIES AND ANALYSIS .....	.....	10,000	+ 10,000
	TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE	34,585,817	34,010,337	- 575,480

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Special Operations Command/Operating Forces	5,008,274	4,971,308	- 36,966
	Improving funds management: Base Support-collateral equipment ahead of need .....	.....	.....	- 7,181
	Reduce duplication: Management Headquarters-CWMD funded by O&M, Air Force .....	.....	.....	- 2,131
	Reduce duplication: Other Operations-CWMD funded by O&M, Air Force .....	.....	.....	- 6,636
	Improving funds management: Other Operations-civilian FTE pricing .....	.....	.....	- 5,719
	Maintain program affordability: Other Operations-unjustified growth .....	.....	.....	- 19,872
	Improving funds management: Flight Operations-remove one-time fiscal year 2017 costs .....	.....	.....	- 2,567
	Insufficient budget justification: Depot maintenance and CLS discrepancies .....	.....	.....	- 20,000
	Program increase: Joint Task Force Platform Expansion—outfit OCONUS facility w/ C4I infrastructure ..	.....	.....	+ 6,300
	Program increase: Publicly available information [PAI] contract support .....	.....	.....	+ 20,840
	Defense Acquisition University	144,970	142,941	- 2,029
	Improving funds management: Overestimation of travel .....	.....	.....	- 2,029
	Joint Chiefs of Staff	84,402	86,402	+ 2,000
	Program increase: National Asia Research Program-NDU .....	.....	.....	+ 2,000
	Civil Military Programs	183,000	206,000	+ 23,000
	Program increase: Innovative readiness training .....	.....	.....	+ 10,000
	Program increase: NG Youth Challenge program .....	.....	.....	+ 13,000
	Defense Contract Audit Agency	597,836	588,347	- 9,489
	Improving funds management: Program decrease unaccounted for .....	.....	.....	- 5,600
	Maintain program affordability: Unjustified growth .....	.....	.....	- 3,889
	Defense Contract Management Agency	1,439,010	1,418,485	- 20,525
	Maintain program affordability: Unjustified growth .....	.....	.....	- 20,525
	Defense Human Resources Activity	807,754	841,637	+ 33,883
	Maintain program affordability: Unjustified growth .....	.....	.....	- 2,117
	Improving funds management: Program decrease unaccounted for .....	.....	.....	- 9,625
	Program increase: Beyond Yellow Ribbon Program .....	.....	.....	+ 20,000
	Program increase: Special Victims' Counsel .....	.....	.....	+ 20,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Language flagship program-Arabic ..			+ 1,625
	Program increase: Defense suicide prevention office			+ 4,000
	Defense Information Systems Agency	2,009,702	1,977,789	- 31,913
	Insufficient budget justification: Transfer disparity			- 11,000
	Maintain program affordability: Unjustified growth			- 20,913
	Defense Logistics Agency	400,422	388,879	- 11,543
	Insufficient budget justification: Unjustified transfer			- 4,393
	Maintain program affordability: Unjustified growth			- 1,326
	Improving funds management: Program decreases unaccounted for			- 14,324
	Program increase: Procurement technical assistance program			+ 8,500
	Defense Media Activity	217,585	227,585	+ 10,000
	Program increase: IP streaming upgrades			+ 10,000
	Defense Personnel Accounting Agency	131,268	125,991	- 5,277
	Maintain program affordability: Unjustified growth			- 2,130
	Improving funds management: Remove one-time fiscal year 2017 costs			- 8,147
	Program increase: DPAA public-private partnerships			+ 5,000
	Defense Security Cooperation Agency	722,496	613,496	- 109,000
	Maintain program affordability: Maintain level of effort—Wales Initiative			- 6,000
	Maintain program affordability: Maintain level of effort—Defense institution reform initiative			- 3,000
	Maintain program affordability: Maintain level of effort—Build the capacity of foreign security forces			- 70,000
	Maintain program affordability: Maintain level of effort—South East Asia maritime security initiative			- 30,000
	Defense Security Service	683,665	653,665	- 30,000
	Maintain program affordability: Unjustified growth			- 30,000
	Defense Threat Reduction Agency	542,604	530,604	- 12,000
	Insufficient budget justification: Unjustified growth			- 8,200
	Improving funds management: Decrease unaccounted for			- 3,800
	Department of Defense Education Activity	2,794,389	2,786,653	- 7,736
	Improving funds management: Overestimation			- 16,250
	Insufficient budget justification: Transfer unaccounted for			- 1,486
	Program increase: Youth serving organizations			+ 10,000
	Missile Defense Agency	504,058	475,050	- 29,008
	Improving funds management: Remove one-time fiscal year 2017 costs			- 12,138
	Improving funds management: Program decrease unaccounted for			- 4,000
	Maintain program affordability: Unjustified growth			- 12,870
	Office of the Secretary of Defense	1,488,344	1,483,298	- 5,046
	Maintain program affordability: OUSD AT&L—Unjustified growth			- 3,000
	Program termination: BRAC support			- 2,046
	Special Operations Command/Admin & Svc-wide Activities	94,273	91,698	- 2,575
	Maintain program affordability: Unjustified growth			- 2,575
	Washington Headquarters Services	436,776	434,397	- 2,379
	Improving funds management: Remove one-time fiscal year 2017 costs—DIUx			- 2,379
	Classified Programs	14,806,404	14,709,144	- 97,260
	Classified adjustment			- 97,260
UNDIST	Transfer: Transfer Operation and Maintenance funds to provide appropriations for the Department of Defense Acquisition Workforce Development Fund		- 163,000	- 163,000
UNDIST	Improving funds management: Overestimation of civilian FTE targets		- 108,617	- 108,617
UNDIST	Program increase: Impact Aid		25,000	+ 25,000
UNDIST	Program increase: Impact Aid for children with severe disabilities		5,000	+ 5,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Program increase: PFOS/PFOA studies and analysis .....	.....	10,000	+ 10,000

Special Operations Command Operation and Maintenance Budget Justification.—The Committee acknowledges that the operation and maintenance budget justification for United States Special Operations Command [USSOCOM] continues to improve every budget cycle. However, the sub-activity group structure as presented in the justification materials remains an informal presentation that is not individually identified as formal budget line items in various budgetary and execution documents. Therefore, the Committee directs the Commander of USSOCOM, in coordination with the Office of the Under Secretary of Defense (Comptroller) and the Assistant Secretary of Defense (Special Operations/Low-Intensity Conflict), to submit a report that provides a detailed proposal on how to restructure and formalize the budget formulation and execution of the USSOCOM budget by sub-activity group. This report shall also address how the proposed restructure will improve visibility of the USSOCOM budget and execution and shall be submitted to the House and Senate Appropriations Committees not later than 90 days after the enactment of this act.

Wargaming.—The Office of the Secretary of Defense's budget request included funding for wargaming initiatives that will pursue innovative ways to sustain and advance military superiority and improve business operations throughout the Department of Defense. 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 2018. 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.

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 \$20,000,000 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 \$10,000,000 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.

Defense POW/MIA Accounting Agency.—The Committee recommends an additional \$5,000,000 for the Defense POW/MIA Accounting Agency [DPAA]. The increase shall only be used for partnerships with research universities to systematically conduct archival and field research on potential remains, confirm the location of possible remains, and recover such remains consistent with Department of Defense protocols, in order to maximize recoveries and make use of economies of scale.

Support of the Fiscal Year 2018 President's Budget Request Levels.—The Committee appreciates the Department's efforts to include adequate funding levels in the fiscal year 2018 request for certain programs that have historically been increased by congressional adjustments. The Committee fully funds Women's Military Service Memorials and Museums at \$5,000,000 and Readiness and Environmental Protection Integration at \$75,000,000, as requested for each of these programs in fiscal year 2018.

European Deterrence Initiative.—The Committee condemns the Russian Federation's continued occupation of Crimea and other destabilizing activities throughout Europe, including attempts to interfere in democratic elections. The Committee affirms the United States' obligations under the North Atlantic Treaty, including collective self-defense under Article V, and strongly supports the Department's European Deterrence Initiative as an important, demonstrable commitment to the territorial integrity of all 28 NATO nations and a deterrent against further Russian aggression in Europe.

Military Assistance to Burma.—The Committee is concerned about recent actions by the Burmese military against the Rohingya people in Rakhine State. The Committee supports the State Department action of October 24, 2017, consistent with the Leahy law, including finding all units and officers involved in operations in Rakhine State ineligible to receive U.S. assistance or attend U.S. sponsored security events. Pursuant to the Leahy law, the Secretary of Defense shall notify the congressional defense committees within 15 days of any exception or waiver issued in accordance with 10 U.S.C. 362.

Defense Language and National Security Education Office and the Language Flagship Program.—The Committee recognizes that, in partnership with universities across the country, the Defense Language and National Security Education Office [DLNSEO] provides critical college accredited training for service members and government officials in a number of languages and strategic cultures. The Committee also notes that the Language Flagship Program has successfully recruited language proficient students by utilizing partnerships devoted to creating articulated pathways into the program through scholarships and fellowships. The Committee encourages the Department of Defense to continue placing a high priority on these programs to ensure warfighters, both conventional

and special operations forces, receive the language and culture training needed to complete their missions effectively.

Demonstration Project for Contractors Employing Persons with Disabilities.—The Committee encourages the Secretary of Defense to pursue a demonstration project for contractors employing persons with disabilities. The demonstration project is modeled after the Small Business Administration's Set Aside program, but uniquely includes an incentive for Federal contracting entities to hire people with disabilities who currently receive Social Security benefits. Such a demonstration project provides opportunities for severely disabled individuals to become gainfully employed taxpayers instead of remaining Social Security Disability Insurance beneficiaries.

Transfer of Veterans Memorial Objects to Foreign Governments.—The Committee directs that the use of any funds appropriated in this act to carry out authorities under section 2864 of the National Defense Authorization Act for Fiscal Year 2018 be subject to normal reprogramming procedures.

OPERATION AND MAINTENANCE, ARMY RESERVE

Appropriations, 2017	\$2,743,688,000
Budget estimate, 2018	2,906,842,000
Committee recommendation	2,902,504,000

The Committee recommends an appropriation of \$2,902,504,000. This is \$4,338,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MODULAR SUPPORT BRIGADES	11,461	7,461	-4,000
20	ECHELONS ABOVE BRIGADES	577,410	572,410	-5,000
30	THEATER LEVEL ASSETS	117,298	121,298	+4,000
40	LAND FORCES OPERATIONS SUPPORT	552,016	560,016	+8,000
50	AVIATION ASSETS	80,302	77,802	-2,500
	LAND FORCES READINESS			
60	FORCES READINESS OPERATIONS SUPPORT	399,035	399,035	.....
70	LAND FORCES SYSTEM READINESS	102,687	102,687	.....
80	DEPOT MAINTENANCE	56,016	43,385	-12,631
	LAND FORCES READINESS SUPPORT			
90	BASE OPERATIONS SUPPORT	599,947	581,947	-18,000
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	273,940	314,833	+40,893
110	MANAGEMENT AND OPERATIONS HEADQUARTERS	22,909	22,909	.....
	TOTAL, BUDGET ACTIVITY 1	2,793,021	2,803,783	+10,762
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
120	SERVICEWIDE TRANSPORTATION	11,116	11,116	.....
130	ADMINISTRATION	17,962	17,962	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
140	SERVICEWIDE COMMUNICATIONS	18,550	18,550	.....
150	PERSONNEL/FINANCIAL ADMINISTRATION	6,166	6,166	.....
160	OTHER PERSONNEL SUPPORT	60,027	60,027	.....
	TOTAL, BUDGET ACTIVITY 4	113,821	113,821	.....
	OVERESTIMATION OF CIVILIAN FTE TARGETS .....	.....	-18,000	-18,000
	AUTHORIZED END STRENGTH INCREASE .....	.....	2,900	+2,900
	TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	2,906,842	2,902,504	-4,338

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
112	Modular Support Brigades	11,461	7,461	-4,000
	Improving funds management: Remove one-time fiscal year 2017 increases .....	.....	.....	-4,000
113	Echelons Above Brigade	577,410	572,410	-5,000
	Improving funds management: Remove one-time fiscal year 2017 increases .....	.....	.....	-20,000
	Program increase: Improve training and maintenance readiness .....	.....	.....	+15,000
114	Theater Level Assets	117,298	121,298	+4,000
	Program increase: Improve maintenance readiness .....	.....	.....	+4,000
115	Land Forces Operations Support	552,016	560,016	+8,000
	Program increase: Improve maintenance readiness .....	.....	.....	+8,000
116	Aviation Assets	80,302	77,802	-2,500
	Maintaining program affordability: Unjustified growth ..	.....	.....	-2,500
123	Land Forces Depot Maintenance	56,016	43,385	-12,631
	Improving funds management: Remove one-time fiscal year 2017 increases .....	.....	.....	-10,000
	Maintaining program affordability: Unjustified program growth for reimbursable manpower conversion .....	.....	.....	-2,631
131	Base Operations Support	599,947	581,947	-18,000
	Maintaining program affordability: Unjustified growth ..	.....	.....	-18,000
132	Facilities Sustainment, Restoration & Modernization	273,940	314,833	+40,893
	Improving funds management: Remove one-time fiscal year 2017 increases .....	.....	.....	-8,957
	Transfer: FSRM funding from O&M Army Reserve to O&M ARNG for Pine Bluff Reserve Center .....	.....	.....	-150
	Program increase .....	.....	.....	+50,000
UNDIST	Maintain program affordability: Overestimation of civilian FTEs .....	.....	-18,000	-18,000
UNDIST	Program increase: Authorized end strength increase .....	.....	2,900	+2,900

OPERATION AND MAINTENANCE, NAVY RESERVE

Appropriations, 2017	\$929,656,000
Budget estimate, 2018	1,084,007,000
Committee recommendation	1,062,707,000

The Committee recommends an appropriation of \$1,062,707,000. This is \$21,300,000 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	2018 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	596,876	576,876	- 20,000
20	INTERMEDIATE MAINTENANCE	5,902	5,902	.....
30	AIRCRAFT DEPOT MAINTENANCE	94,861	94,861	.....
40	AIRCRAFT DEPOT OPERATIONS SUPPORT	381	381	.....
50	AVIATION LOGISTICS	13,822	13,822	.....
	RESERVE SHIP OPERATIONS			
60	SHIP OPERATIONAL SUPPORT AND TRAINING	571	571	.....
	RESERVE COMBAT OPERATIONS SUPPORT			
70	COMBAT COMMUNICATIONS	16,718	16,718	.....
80	COMBAT SUPPORT FORCES	118,079	118,079	.....
90	CYBERSPACE ACTIVITIES	308	308	.....
	RESERVE WEAPONS SUPPORT			
100	ENTERPRISE INFORMATION TECHNOLOGY	28,650	28,650	.....
	BASE OPERATING SUPPORT			
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	86,354	86,354	.....
120	BASE OPERATING SUPPORT	103,596	103,596	.....
	TOTAL, BUDGET ACTIVITY 1	1,066,118	1,046,118	- 20,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
130	ADMINISTRATION	1,371	1,371	.....
140	MILITARY MANPOWER & PERSONNEL	13,289	11,989	- 1,300
160	ACQUISITION AND PROGRAM MANAGEMENT	3,229	3,229	.....
	TOTAL, BUDGET ACTIVITY 4	17,889	16,589	- 1,300
	TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	1,084,007	1,062,707	- 21,300

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Mission and Other Flight Operations	596,876	576,876	- 20,000
	Maintain program affordability: Unjustified program growth .....	.....	.....	- 20,000
4A4M	Military Manpower and Personnel Management	13,289	11,989	- 1,300
	Improving funds management: Program decrease unaccounted for .....	.....	.....	- 1,300

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

Appropriations, 2017	\$271,133,000
Budget estimate, 2018	278,837,000
Committee recommendation	279,914,000

The Committee recommends an appropriation of \$279,914,000. This is \$1,077,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATING FORCES	103,468	103,468	.....
20	DEPOT MAINTENANCE	18,794	18,794	.....
30	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	32,777	33,854	+ 1,077
40	BASE OPERATING SUPPORT	111,213	111,213	.....
	TOTAL, BUDGET ACTIVITY 1	266,252	267,329	+ 1,077
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
60	ADMINISTRATION	12,585	12,585	.....
	TOTAL, BUDGET ACTIVITY 4	12,585	12,585	.....
	TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	278,837	279,914	+ 1,077

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

(In thousands of dollars)

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
BSM1	Sustainment, Restoration and Modernization	32,777	33,854	+ 1,077
	Program increase .....	.....	.....	+ 1,077

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

Appropriations, 2017	\$3,069,229,000
Budget estimate, 2018	3,267,507,000
Committee recommendation	3,227,407,000

The Committee recommends an appropriation of \$3,227,407,000. This is \$40,100,000 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	2018 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	1,801,007	1,751,007	- 50,000
20	MISSION SUPPORT OPERATIONS	210,642	210,642	.....
30	DEPOT MAINTENANCE	403,867	403,867	.....
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	124,951	158,951	+ 34,000
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	240,835	266,735	+ 25,900
60	BASE OPERATING SUPPORT	371,878	371,878	.....
	TOTAL, BUDGET ACTIVITY 1	3,153,180	3,163,080	+ 9,900
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
70	ADMINISTRATION	74,153	74,153	.....
80	RECRUITING AND ADVERTISING	19,522	19,522	.....
90	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	12,765	12,765	.....
100	OTHER PERSONNEL SUPPORT	7,495	7,495	.....
110	AUDIOVISUAL	392	392	.....
	TOTAL, BUDGET ACTIVITY 4	114,327	114,327	.....
	OVERESTIMATION OF CIVILIAN FTE TARGETS .....	.....	- 50,000	- 50,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RE- SERVE	3,267,507	3,227,407	- 40,100

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces	1,801,007	1,751,007	- 50,000
	Maintain program affordability: Unjustified growth .....	.....	.....	- 50,000
011R	Facilities Sustainment, Restoration & Modernization	124,951	158,951	+ 34,000
	Program increase .....	.....	.....	+ 34,000
011W	Contractor Logistics Support and System Support	240,835	266,735	+ 25,900
	Program increase: WSS C5 CLS AMP/REPR Workload and C17 CLS workload for cargo aircraft .....	.....	.....	+ 25,900
UNDIST	Maintain program affordability: Overestimation of Civilian FTEs .....	.....	- 50,000	- 50,000

OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

Appropriations, 2017	\$6,861,478,000
Budget estimate, 2018	7,307,170,000
Committee recommendation	7,500,220,000

The Committee recommends an appropriation of \$7,500,220,000. This is \$193,050,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	777,883	807,883	+ 30,000
20	MODULAR SUPPORT BRIGADES	190,639	182,639	- 8,000
30	ECHELONS ABOVE BRIGADE	807,557	817,557	+ 10,000
40	THEATER LEVEL ASSETS	85,476	97,476	+ 12,000
50	LAND FORCES OPERATIONS SUPPORT	36,672	36,672	.....
60	AVIATION ASSETS	956,381	981,381	+ 25,000
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	777,756	778,956	+ 1,200
80	LAND FORCES SYSTEMS READINESS	51,506	51,506	.....
90	LAND FORCES DEPOT MAINTENANCE	244,942	244,942	.....
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT	1,144,726	1,133,726	- 11,000
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	781,895	1,012,045	+ 230,150
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	999,052	994,052	- 5,000
	TOTAL, BUDGET ACTIVITY 1	6,854,485	7,138,835	+ 284,350
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
130	SERVICEWIDE TRANSPORTATION	7,703	7,703	.....
140	ADMINISTRATION	79,236	79,236	.....
150	SERVICEWIDE COMMUNICATIONS	85,160	85,160	.....
160	MANPOWER MANAGEMENT	8,654	8,654	.....
170	OTHER PERSONNEL SUPPORT	268,839	268,839	.....
180	REAL ESTATE MANAGEMENT	3,093	3,093	.....
	TOTAL, BUDGET ACTIVITY 4	452,685	452,685	.....
	REMOVE FY17 INCREASE .....	.....	- 57,000	- 57,000
	OVERESTIMATION OF CIVILIAN FTE TARGETS .....	.....	- 38,000	- 38,000
	AUTHORIZED END STRENGTH INCREASE .....	.....	3,700	+ 3,700
	TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	7,307,170	7,500,220	+ 193,050

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units	777,883	807,883	+ 30,000
	Improving funds management: Remove one-time fiscal year 2017 increase .....	.....	.....	- 20,000
	Program increase: Improve training and maintenance readiness .....	.....	.....	+ 50,000
112	Modular Support Brigades	190,639	182,639	- 8,000
	Improving funds management: Remove one-time fiscal year 2017 increase .....	.....	.....	- 8,000
113	Echelons Above Brigade	807,557	817,557	+ 10,000
	Improving funds management: Remove one-time fiscal year 2017 increase .....	.....	.....	- 5,000
	Program increase: Improve training and maintenance readiness .....	.....	.....	+ 15,000
114	Theater Level Assets	85,476	97,476	+ 12,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Improve maintenance readiness			+ 12,000
116	Aviation Assets	956,381	981,381	+ 25,000
	Program increase: Improve maintenance readiness			+ 25,000
121	Force Readiness Operations Support	777,756	778,956	+ 1,200
	Program increase: Trauma training			+ 1,200
131	Base Operations Support	1,144,726	1,133,726	- 11,000
	Maintain program affordability: Unjustified program growth			- 11,000
132	Facilities Sustainment, Restoration & Modernization	781,895	1,012,045	+ 230,150
	Transfer: FSRM funding from O&M Army Reserve to O&M ARNG for Pine Bluff Reserve Center			+ 150
	Program increase			+ 200,000
	Program increase: Armory lead abatement			+ 30,000
133	Management and Operational Headquarters	999,052	994,052	- 5,000
	Improving funds management: Program decrease unaccounted for			- 5,000
UNDIST	Improving funds management: Remove one-time fiscal year 2017 increase		- 57,000	- 57,000
UNDIST	Maintain program affordability: Overestimation of civilian FTEs		- 38,000	- 38,000
UNDIST	Program increase: Authorized end strength increase		3,700	+ 3,700

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 73 unique security partnerships involving 79 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, 2017	\$6,615,095,000
Budget estimate, 2018	6,939,968,000
Committee recommendation	7,090,368,000

The Committee recommends an appropriation of \$7,090,368,000. This is \$150,400,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	AIRCRAFT OPERATIONS	3,175,055	3,098,555	- 76,500
20	MISSION SUPPORT OPERATIONS	746,082	803,282	+ 57,200
30	DEPOT MAINTENANCE	867,063	867,063	.....
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	325,090	449,090	+ 124,000
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,100,829	1,139,529	+ 38,700
60	BASE OPERATING SUPPORT	583,664	583,664	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, BUDGET ACTIVITY 1	6,797,783	6,941,183	+ 143,400
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE ACTIVITIES			
70	ADMINISTRATION	44,955	44,955	.....
80	RECRUITING AND ADVERTISING	97,230	97,230	.....
	TOTAL, BUDGET ACTIVITY 4	142,185	142,185	.....
	AIR NATIONAL GUARD WILDFIRE TRAINING		7,000	+ 7,000
	TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD	6,939,968	7,090,368	+ 150,400

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
011F	Aircraft Operations	3,175,055	3,098,555	- 76,500
	Improving funds management: Projected underexecution			- 76,500
011G	Mission Support Operations	746,082	803,282	+ 57,200
	Maintain program affordability: Unjustified program growth			- 10,000
	Program increase: Trauma training			+ 1,200
	Program increase: Information technology service management-Air National Guard			+ 66,000
011R	Facilities Sustainment, Restoration & Modernization	325,090	449,090	+ 124,000
	Program increase			+ 124,000
011W	Contractor Logistics Support and System Support	1,100,829	1,139,529	+ 38,700
	Improving funds management: Program decrease unaccounted for			- 20,000
	Program increase: Increase weapons systems sustainment-Air National Guard			+ 58,700
UNDIST	Program increase: Air National Guard wildfire training		7,000	+ 7,000

Air National Guard Cyber Training.—The Committee recognizes the success of the Air National Guard in training and developing servicemembers to fulfill cyber mission requirements through the recently launched Cyber Skills Validation Course. The course was created to ease the backlog in the initial skills training pipeline by capitalizing on the cyber experience in the Air National Guard. The Committee encourages expansion of this training program, to include additional course instructors and a virtual training range, to enable participation by civilian and joint service personnel.

U.S. COURT OF APPEALS FOR THE ARMED FORCES

Appropriations, 2017	\$14,194,000
Budget estimate, 2018	14,538,000
Committee recommendation	14,538,000

The Committee recommends an appropriation of \$14,538,000. This is equal to the budget estimate.

ENVIRONMENTAL RESTORATION, ARMY

Appropriations, 2017	\$170,167,000
Budget estimate, 2018	215,809,000
Committee recommendation	215,809,000

The Committee recommends an appropriation of \$215,809,000. This is equal to the budget estimate.

Badger Army Ammunition Plant.—In 2011, an Army Feasibility Study concluded that an offsite drinking water treatment system was needed as part of a comprehensive groundwater cleanup remedy for the former Badger Army Ammunition Plant [BAAP]. Accordingly, in 2015, the Town of Merrimac, Wisconsin, designed and approved a sanitation district required by the Army to support such a system, and as recently as May 2016, the Army noted in writing that “design of the municipal drinking water system has been initiated.” Recently, however, the Army reversed its plans to construct and operate the drinking water system. The Committee is concerned about this decision, its potential to delay the provision of clean drinking water to homes near the site, and the Army’s lack of public communication regarding the decision.

Therefore, the Committee expects the Army to conduct required human health risk assessments expeditiously, and if needed, use expedited contracting authorities. Additionally, the Committee urges the Army to hold regular public meetings to update and engage with local stakeholders. The Committee expects the Army to integrate local priorities in its remediation plans. Furthermore, not later than 90 days after the enactment of this act, the Secretary of the Army shall submit to the House and Senate Appropriations Committees a report and provide a corresponding briefing regarding the Army’s rationale and process for approving plans to construct and operate a drinking water system and its subsequent decision to terminate such plans, as well as the Army’s completed and planned actions for environmental restoration at the site.

ENVIRONMENTAL RESTORATION, NAVY

Appropriations, 2017	\$289,262,000
Budget estimate, 2018	281,415,000
Committee recommendation	323,649,000

The Committee recommends an appropriation of \$323,649,000. This is \$42,234,000 above the budget estimate to address costs associated with remediating contamination caused by perfluorinated chemicals [PFCs].

ENVIRONMENTAL RESTORATION, AIR FORCE

Appropriations, 2017	\$371,521,000
Budget estimate, 2018	293,749,000
Committee recommendation	337,549,000

The Committee recommends an appropriation of \$337,549,000. This is \$43,800,000 above the budget estimate to address costs associated with remediating contamination caused by perfluorinated chemicals [PFCs].

ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

Appropriations, 2017	\$9,009,000
Budget estimate, 2018	9,002,000
Committee recommendation	9,002,000

The Committee recommends an appropriation of \$9,002,000. This is equal to the budget estimate.

ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

Appropriations, 2017	\$222,084,000
Budget estimate, 2018	208,673,000
Committee recommendation	215,673,000

The Committee recommends an appropriation of \$215,673,000. This is \$7,000,000 above the budget estimate to help address unfunded needs.

OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

Appropriations, 2017	\$123,125,000
Budget estimate, 2018	104,900,000
Committee recommendation	119,900,000

The Committee recommends an appropriation of \$119,900,000. This is \$15,000,000 above the budget estimate for South China Sea regional engagement.

COOPERATIVE THREAT REDUCTION ACCOUNT

Appropriations, 2017	\$325,604,000
Budget estimate, 2018	324,600,000
Committee recommendation	324,600,000

The Committee recommends an appropriation of \$324,600,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
COOPERATIVE THREAT REDUCTION				
1	Strategic Offensive Arms Elimination	12,188	12,188	.....
2	Chemical Weapons Destruction	5,000	5,000	.....
3	Biological Threat Reduction	172,753	172,753	.....
5	Other Assessments/Admin Costs	26,980	26,980	.....
6	Global Nuclear Security	17,887	17,887	.....
7	WMD Proliferation Prevention	89,792	89,792	.....
	Total, Cooperative Threat Reduction	324,600	324,600	.....

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT FUND

Appropriations, 2017 .....	.....
Budget estimate, 2018 .....	.....
Committee recommendation	\$600,000,000

The Committee recommends an appropriation of \$600,000,000. This is \$600,000,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Training and Development		336,000	+ 336,000
	Program increase			+ 336,000
2	Retention and Recognition		19,907	+ 19,907
	Program increase			+ 19,907
3	Recruiting and Hiring		244,093	+ 244,093
	Program increase			+ 244,093
	Total, Department of Defense Acquisition Workforce Development Fund		600,000	+ 600,000

Budgeting for the Department of Defense Acquisition Workforce.— The Department of Defense Acquisition Workforce Development Fund [DAWDF] was established in fiscal year 2008 to address the attrition of the Department of Defense acquisition workforce caused by the failure of the Department of Defense and military services to appropriately resource their acquisition workforce requirements. The Committee notes that the purpose of the DAWDF was to increase the acquisition workforce by 20,000 personnel by 2015, and that the Department of Defense achieved that goal in 2010 by applying authorities and funding provided through the DAWDF in combination with other Department of Defense initiatives. The Committee further notes that since the original purpose of the DAWDF was accomplished, funds are being applied towards additional purposes.

The Committee is concerned that the non-traditional funding mechanisms for the DAWDF combined with repeated expansions of its purpose have negatively impacted planning and budgeting for the program, as well as funding execution; and impeded efforts to align the Department of Defense's Strategic Human Capital Management Plan for its acquisition workforce with plans, programs and budgets. Therefore, in order to restore program and funding stability for the Department of Defense acquisition workforce, the Committee recommends restoring annual appropriations for the DAWDF while retaining its unique authorities, and recommends \$600,000,000 for the DAWDF in this bill. The Under Secretary of Defense (Comptroller) is expected to follow this budgeting approach in future budget submissions.

Further, the Committee directs the Under Secretary (Acquisition and Sustainment) to submit to the congressional defense committees with the Department's Fiscal Year 2019 budget submission a report identifying all budgeted costs in the Department of Defense for the acquisition workforce by fiscal year and funding category across the Future Years Defense Program in the DAWDF, as well as in regular operation and maintenance and research, development, test and evaluation accounts. In addition, the Committee di-

rects the Under Secretary (Acquisition and Sustainment) to identify the costs budgeted to pay the salaries of personnel to manage the DAWDF, per section 843 of the National Defense Authorization Act for Fiscal Year 2018; to provide a cost estimate for the proposed Program Manager Development Program, per section 841 of the National Defense Authorization Act for Fiscal Year 2018; and to identify any unfunded fiscal year 2019 requirements for the Department of Defense acquisition workforce.

Reporting Requirements Relating to the Acquisition Workforce.—The Committee directs that the comprehensive plan to be provided by the Secretary of Defense to the Committees on Armed Services of the Senate and the House of Representatives in accordance with section 841 of the National Defense Authorization Act for Fiscal Year 2018 shall also be provided to the Subcommittees on Defense of the Committees on Appropriations of the Senate and the House of Representatives. In addition, the report to be submitted by the Under Secretary of Defense for Acquisition and Sustainment to the Committees on Armed Services of the Senate and the House of Representatives in accordance with section 843 (c)(1) of the National Defense Authorization Act for Fiscal Year 2018 shall also be provided to the Subcommittees on Defense of the Committees on Appropriations of the Senate and the House of Representatives.

**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 2018 budget requests a total of \$113,931,877,000 for procurement appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends procurement appropriations totaling \$124,322,846,000 for fiscal year 2018. This is \$10,390,969,000 above the budget estimate.

Committee recommended procurement appropriations for fiscal year 2018 are summarized below:

SUMMARY OF PROCUREMENT APPROPRIATIONS

[In thousands of dollars]

Account	2018 budget estimate	Committee recommendation	Change from budget estimate
Procurement:			
Aircraft Procurement, Army	4,149,894	5,085,303	+ 935,409
Missile Procurement, Army	2,519,054	2,846,053	+ 326,999
Procurement of Weapons and Tracked Combat Vehicles, Army	2,423,608	3,439,391	+ 1,015,783
Procurement of Ammunition, Army	1,879,283	2,403,384	+ 524,101
Other Procurement, Army	6,469,331	7,814,263	+ 1,344,932
Aircraft Procurement, Navy	14,956,235	18,416,079	+ 3,459,844
Weapons Procurement, Navy	3,420,107	3,393,458	- 26,649
Procurement of Ammunition, Navy and Marine Corps	792,345	817,495	+ 25,150
Shipbuilding and Conversion, Navy	20,403,607	21,816,923	+ 1,413,316
Other Procurement, Navy	7,902,864	8,115,384	+ 212,520
Procurement, Marine Corps	2,064,825	2,093,749	+ 28,924
Aircraft Procurement, Air Force	15,430,849	16,189,022	+ 758,173
Missile Procurement, Air Force	2,296,182	2,238,828	- 57,354
Space Procurement, Air Force	3,370,775	3,095,995	- 274,780
Procurement of Ammunition, Air Force	1,376,602	1,318,602	- 58,000
Other Procurement, Air Force	19,603,497	20,334,550	+ 731,053
Procurement, Defense-Wide	4,835,418	4,866,966	+ 31,548
Defense Production Act Purchases	37,401	37,401	.....
Total	113,931,877	124,322,846	+ 10,390,969

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

Missile Budgeting.—The Army and Marine Corps procure weapons including Guided Multiple Launch Rockets, Tube-Launched, Optically-Tracked, Wireless-guided missiles, and Javelin missiles, via Army contracts. The Committee is concerned that Army acquisition and contracting methodologies, which varies from one munition to another, preclude both services from achieving efficient resource management. By relying on Undefinitized Contract Actions [UCA] the Army cannot be certain of the quantity of missiles it will procure or the unit costs of those missiles in a given fiscal year. Army and Marine Corps budget justification materials for programs that have been budgeted for years under a UCA reflect these uncertainties. The Committee relies on the services to provide accurate program projections and cost estimates for its weapons procurements. The Army and Marine Corps' lack of visibility into their own procurement process results from regularly operating under continuing resolution authority, relying on undefinitized contracts, and applying differing cost models when preparing budget submissions, despite the fact that they buy the same weapons on the same contracts. The Committee directs the Secretaries of the Army and Navy to submit a joint report to the congressional defense committees not later than 120 days after the enactment of this act outlining the collaborative activities, procedures, and policies they intend to adopt to reduce the use of undefinitized missile and rocket contracts and reduce service inconsistency in missile and rocket procurement cost estimating.

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 pro-

posed 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 guidance 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.

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.

Shade Evaluation.—The Committee recognizes that the Defense Logistics Agency [DLA] currently employs a visual test methodology in its shade evaluation process for military uniforms. The Committee encourages the Director, DLA to identify and leverage alternative methodologies for shade evaluation of Non-Shade Crit-

ical uniform fabrics in an effort to standardize shade specifications, objectively measure shade readings, and promote a more robust clothing and textiles manufacturing base.

Standard Missile Program Inventory and Acquisition Objectives.—In fiscal year 2017, in Senate Report 114–263 and in House Report 114–577, the Director, Missile Defense Agency, in coordination with the Assistant Secretary of the Navy (Research, Development and Acquisition), was directed to provide to the congressional defense committees an acquisition objective for the SM–3 Block IB and Block IIA missile programs. The Committee has reviewed the report and finds it unnecessarily vague and not helpful in determining overall program requirements and acquisition strategies, managing the industrial base or controlling costs.

The Committee understands that the Department of Defense is considering a multiyear procurement proposal for certain variants of the Standard Missile family, and believes that understanding inventory and acquisition objectives for all Standard Missile variants should be part of any such consideration. Therefore, the Committee directs the Director, Missile Defense Agency, in coordination with the Deputy Chief of Naval Operations for Warfare Systems, to provide with the fiscal year 2019 President’s budget submission an unclassified report with a classified annex detailing inventory and acquisition objectives for all elements of the Standard Missile portfolio by variant. Further, the Under Secretary of Defense (Comptroller), in coordination with the Missile Defense Agency Director for Operations and the Assistant Secretary of the Navy (Financial Management and Comptroller), is directed to certify in writing to the congressional defense committees that the fiscal year 2019 President’s budget program submission fully funds Standard Missile requirements in support of inventory and acquisition objectives identified in the aforementioned report.

AIRCRAFT PROCUREMENT, ARMY

Appropriations, 2017	\$4,587,598,000
Budget estimate, 2018	4,149,894,000
Committee recommendation	5,085,303,000

The Committee recommends an appropriation of \$5,085,303,000. This is \$935,409,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AIRCRAFT PROCUREMENT, ARMY						
	AIRCRAFT						
	FIXED WING						
2	UTILITY F/W CARGO AIRCRAFT	4	75,115	4	75,115		
4	MQ-1 UAV	2	30,206	6	69,006	+4	+38,800
	ROTARY						
6	UH-72 LAKOTA LIGHT UTILITY HELICOPTER	13	108,383	24	198,383	+11	+90,000
7	AH-64 APACHE BLOCK IIIA REMAN	48	725,976	48	695,376		-30,600
8	AH-64 APACHE BLOCK IIIA REMAN [AP-CY]		170,910		170,910		
9	AH-64 APACHE BLOCK IIIB NEW BUILD	13	374,100	22	682,800	+9	+308,700
10	AH-64 APACHE BLOCK IIIB NEW BUILD [AP-CY]		71,900				-71,900
11	UH-60 BLACKHAWK (MYP)	48	938,308	56	1,078,408	+8	+140,100
12	UH-60 BLACKHAWK (MYP) [AP-CY]		86,295		86,295		
13	UH-60 BLACKHAWK A AND L MODELS	36	76,516	39	93,216	+3	+16,700
14	CH-47 HELICOPTER	2	202,576	6	449,076	+4	+246,500
15	CH-47 HELICOPTER [AP-CY]		17,820		13,320		-4,500
	TOTAL, AIRCRAFT		2,878,105		3,611,905		+733,800
	MODIFICATION OF AIRCRAFT						
17	MQ-1 PAYLOAD—JAS		5,910		19,110		+13,200
18	UNIVERSAL GROUND CONTROL EQUIPMENT		15,000		15,000		
19	GRAY EAGLE MODS2		74,291		74,291		
20	MULTI SENSOR ABN RECON (MIP)		68,812		68,812		
21	AH-64 MODS		238,141		238,141		
22	CH-47 CARGO HELICOPTER MODS		20,166		22,366		+2,200
23	GRCS SEMA MODS (MIP)		5,514		5,514		
24	ARL SEMA MODS (MIP)		11,650		11,650		
25	EMARSS SEMA MODS (MIP)		15,279		15,279		
26	UTILITY/CARGO AIRPLANE MODS		57,737		57,737		
27	UTILITY HELICOPTER MODS		5,900		40,709		+34,809
28	NETWORK AND MISSION PLAN		142,102		132,402		-9,700
29	COMMS, NAV SURVEILLANCE		166,050		150,650		-15,400

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
30	GAIM ROLLUP		37,403		37,403		
31	RQ-7 UAV MODS		83,160		194,160		+ 111,000
32	UAS MODS		26,109		26,109		
	TOTAL, MODIFICATION OF AIRCRAFT		973,224		1,109,333		+ 136,109
	SUPPORT EQUIPMENT AND FACILITIES						
	GROUND SUPPORT AVIONICS						
33	AIRCRAFT SURVIVABILITY EQUIPMENT		70,913		70,913		
34	SURVIVABILITY CM		5,884		5,884		
35	CMWS		26,825		57,725		+ 30,900
36	COMMON INFRARED COUNTERMEASURES		6,337		37,237		+ 30,900
	OTHER SUPPORT						
37	AVIONICS SUPPORT EQUIPMENT		7,038		7,038		
38	COMMON GROUND EQUIPMENT		47,404		47,404		
39	AIRCREW INTEGRATED SYSTEMS		47,066		59,166		+ 12,100
40	AIR TRAFFIC CONTROL		83,790		75,390		- 8,400
41	INDUSTRIAL FACILITIES		1,397		1,397		
42	LAUNCHER, 2.75 ROCKET		1,911		1,911		
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES		298,565		364,065		+ 65,500
	TOTAL, AIRCRAFT PROCUREMENT, ARMY		4,149,894		5,085,303		+ 935,409

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
4	MQ-1 UAV	30,206	69,006	+ 38,800
	Program increase: Extended Range-Improved Gray Eagle air vehicles			+ 38,800
5	Helicopter, Light Utility [LUH]	108,383	198,383	+ 90,000
	Program increase			+ 90,000
6	AH-64 Apache Block IIIA Reman	725,976	695,376	- 30,600
	Improving funds management: Excess government furnished equipment and support costs			- 30,600
8	AH-64 Apache Block IIIB New Build	374,100	682,800	+ 308,700
	Program increase: Nine new build AH-64E aircraft			+ 308,700
9	AH-64 Apache Block IIIB New Build-AP	71,900		- 71,900
	Maintain program affordability: Excess advance procurement			- 71,900
10	UH-60 Blackhawk M Model (MYP)	938,308	1,078,408	+ 140,100
	Program increase: Additional aircraft for the Army National Guard			+ 108,000
	Program increase: UH-60M Engineering change proposals for production line modification			+ 62,000
	Maintain program affordability: Excess tooling			- 9,500
	Maintain program affordability: Excess training equipment			- 20,400
12	UH-60 Black Hawk A and L Models	76,516	93,216	+ 16,700
	Program increase: Three additional UH-60V aircraft			+ 16,700
13	CH-47 Helicopter	202,576	449,076	+ 246,500
	Program increase: Four new build MH-47G aircraft			+ 246,500
14	CH-47 Helicopter-AP	17,820	13,320	- 4,500
	Maintain program affordability: Excess advance procurement			- 4,500
15	MQ-1 Payload (MIP)	5,910	19,110	+ 13,200
	Program increase: Common sensor payloads			+ 13,200
20	CH-47 Cargo Helicopter Mods (MYP)	20,166	22,366	+ 2,200
	Program increase: Safety, obsolescence, weight reduction, and maintenance requirements			+ 2,200
25	Utility Helicopter Mods	5,900	40,709	+ 34,809
	Program increase: Aircraft survivability, protection, and safety requirements			+ 34,809
26	Network and Mission Plan	142,102	132,402	- 9,700
	Restoring acquisition accountability: Improved data modem unit cost growth			- 3,700
	Maintain program affordability: Fielding and training unjustified growth			- 6,000
27	Comms, Nav Surveillance	166,050	150,650	- 15,400
	Restoring acquisition accountability: ARC-231 radio set unit cost growth			- 15,400
29	RQ-7 UAV MODS	83,160	194,160	+ 111,000
	Program increase: Five Shadow V2 BLK III systems and recap of six USMC Shadow Systems			+ 111,000
33	CMWS	26,825	57,725	+ 30,900
	Program increase: B-kits to detect enemy MANPADS			+ 30,900
34	Common Infrared Countermeasures [CIRCM]	6,337	37,237	+ 30,900
	Program increase: B-kits			+ 30,900
37	Aircrew Integrated Systems	47,066	59,166	+ 12,100
	Program increase: Aircrew restraint tethers-UH-60 and CH-47 aircraft			+ 12,100
38	Air Traffic Control	83,790	75,390	- 8,400
	Insufficient budget justification			- 8,400

MISSILE PROCUREMENT, ARMY

Appropriations, 2017	\$1,533,804,000
Budget estimate, 2018	2,519,054,000
Committee recommendation	2,846,053,000

The Committee recommends an appropriation of \$2,846,053,000. This is \$326,999,000 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.	2018 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]	93	140,826	93	136,579		-4,247
2	MSE MISSILE		459,040		455,320		-3,720
3	INDIRECT FIRE PROTECTION CAPABILITY		57,742		50,056		-7,686
	AIR-TO-SURFACE MISSILE SYSTEM						
5	HELLFIRE SYS SUMMARY	998	94,790	998	94,790		
6	JOINT AIR-TO-GROUND MISLS [JAGM]	824	1,78,432	824	1,78,432		
	ANTI-TANK/ASSAULT MISSILE SYSTEM						
8	JAVELIN (AAWS-M) SYSTEM SUMMARY	525	110,123	525	257,488		+147,365
9	TOW 2 SYSTEM SUMMARY	1,156	85,851	1,156	85,851		
10	TOW 2 SYSTEM SUMMARY [AP-CY]		19,949		19,949		
11	GUIDED MLRS ROCKET [GMLRS]	4,458	595,182	4,458	596,168		+986
12	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	3,306	28,321	3,306	34,651		+6,330
13	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS)				197,000		+197,000
	TOTAL, OTHER MISSILES		1,770,256		2,106,284		+336,028
	MODIFICATION OF MISSILES						
	MODIFICATIONS						
15	PATRIOT MODS		329,073		329,073		
16	ATACMS MODS		116,040		116,040		
17	GMLRS MOD		531		531		
18	STINGER MODS		63,090		55,061		-8,029
19	AVENGER MODS		62,931		62,931		
20	ITAS/TOW MODS		3,500		3,500		
21	MLRS MODS		138,235		138,235		
22	HIMARS MODIFICATIONS		9,566		9,566		
	TOTAL, MODIFICATION OF MISSILES		722,966		714,937		-8,029

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
23	SPARES AND REPAIR PARTS		18,915		17,915		-1,000
24	SPARES AND REPAIR PARTS						
	SUPPORT EQUIPMENT AND FACILITIES		5,728		5,728		
26	AIR DEFENSE TARGETS		1,189		1,189		
	PRODUCTION BASE SUPPORT						
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES		6,917		6,917		
	TOTAL, MISSILE PROCUREMENT, ARMY		2,519,054		2,846,053		+326,999

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Lower Tier Air and Missile Defense [AMD]	140,826	136,579	- 4,247
	Restoring acquisition accountability: Logistics cost growth			- 4,247
2	MSE Missile	459,040	455,320	- 3,720
	Restoring acquisition accountability: Unit cost growth			- 3,720
3	Indirect Fire Protection Capability Inc 2-1	57,742	50,056	- 7,686
	Restoring acquisition accountability: AIM-9X Unit cost variance			- 7,686
8	Javelin (Aaws-M) System Summary	110,123	257,488	+ 147,365
	Program increase: Convert CLUs to block 1 configuration			+ 147,365
11	Guided MLRS Rocket [GMLRS]	595,182	596,168	+ 986
	Restoring acquisition accountability: Unit cost growth			- 13,514
	Program increase			+ 14,500
12	MLRS Reduced Range Practice Rockets [RRPR]	28,321	34,651	+ 6,330
	Program increase			+ 6,330
13	High Mobility Artillery Rocket System [HIMARS]		197,000	+ 197,000
	Program increase: Launchers in support of EDI			+ 197,000
18	Stinger Mods	63,090	55,061	- 8,029
	Restoring acquisition accountability: Unit cost variance			- 8,029
23	Spares and Repair Parts	18,915	17,915	- 1,000
	Insufficient budget justification: Poor justification materials			- 1,000

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES,
ARMY

Appropriations, 2017	\$2,229,455,000
Budget estimate, 2018	2,423,608,000
Committee recommendation	3,439,391,000

The Committee recommends an appropriation of \$3,439,391,000. This is \$1,015,783,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES (W&TCV), ARMY						
2	TRACKED COMBAT VEHICLES	42	193,715	42	137,435		- 56,280
	ARMORED MULTI PURPOSE VEHICLE (AMPV)						
4	MODIFICATION OF TRACKED COMBAT VEHICLES						
	STRYKER (MOD)		97,552		97,552		
5	STRYKER UPGRADE			116	348,000	+ 116	+ 348,000
6	BRADLEY PROGRAM (MOD)		444,851		555,851		+ 111,000
7	M109 FOV MODIFICATIONS		64,230		49,665		- 14,565
8	PALADIN PIRM MOD IN SERVICE	59	646,413	59	646,413		
9	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	16	72,402	16	72,402		
10	ASSAULT BRIDGE (MOD)		5,855		4,736		- 1,119
11	ASSAULT BREACHER VEHICLE	7	34,221	7	64,221		+ 30,000
12	M88 FOV MODS		4,826		4,826		
13	JOINT ASSAULT BRIDGE	27	128,350	27	128,350		
14	M1 ABRAMS TANK (MOD)		248,826		416,326		+ 167,500
15	ABRAMS UPGRADE PROGRAM	20	275,000	39	525,000	+ 19	+ 250,000
	TOTAL, TRACKED COMBAT VEHICLES		2,216,241		3,050,777		+ 834,536
	WEAPONS AND OTHER COMBAT VEHICLES						
18	M240 MEDIUM MACHINE GUN (7.62MM)		1,992		3,292		+ 1,300
19	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON		6,520		6,520		
20	MORTAR SYSTEMS		21,452		18,830		- 2,622
21	XM320 GRENADE LAUNCHER MODULE (GLM)		4,524		18,524		+ 14,000
22	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM				50,700		+ 50,700
23	CARBINE		43,150		43,150		
24	COMMON REMOTELY OPERATED WEAPONS STATION		750		22,250		+ 21,500
25	MODULAR HANDGUN SYSTEM		8,326		8,326		
	MOD OF WEAPONS AND OTHER COMBAT VEH						
26	MK-19 GRENADE MACHINE GUN MODS		2,000		2,000		
27	M777 MODS		3,985		89,772		+ 85,787
28	M4 CARBINE MODS		31,315		31,315		
29	M2 50 CAL MACHINE GUN MODS		47,414		47,414		

30	M249 SAW MACHINE GUN MODS	3,339	3,339	3,339	3,339	.....	.....	.....	.....
31	M240 MEDIUM MACHINE GUN MODS	4,577	4,577	11,159	11,159	.....	.....	.....	.....
32	SWPER RIFLES MODIFICATIONS	1,488	1,488	1,488	1,488	.....	.....	.....	+ 6,582
33	M119 MODIFICATIONS	12,678	12,678	12,678	12,678	.....	.....	.....	.....
34	MORTAR MODIFICATION	3,998	3,998	3,998	3,998	.....	.....	.....	.....
35	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV)	2,219	2,219	2,219	2,219	.....	.....	.....	.....
	SUPPORT EQUIPMENT AND FACILITIES .....					.....	.....	.....	.....
36	ITEMS LESS THAN \$5.0M (WOCV-WTCV)	5,075	5,075	5,075	5,075	.....	.....	.....	.....
37	PRODUCTION BASE SUPPORT (WOCV-WTCV)	992	992	992	992	.....	.....	.....	.....
22	INDUSTRIAL PREPAREDNESS			4,000	4,000	.....	.....	.....	+ 4,000
39	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG)	1,573	1,573	1,573	1,573	.....	.....	.....	.....
	TOTAL, WEAPONS AND OTHER COMBAT VEHICLES	207,367	207,367	388,614	388,614	.....	.....	.....	+ 181,247
	TOTAL, PROCUREMENT OF W&TCV, ARMY	2,423,608	2,423,608	3,439,391	3,439,391	.....	.....	.....	+ 1,015,783

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
2	Armored Multi Purpose Vehicle [AMPV]	193,715	137,435	- 56,280
	Restore acquisition accountability: Reduce concurrency, fund long lead only			- 56,280
5	Stryker Upgrade		348,000	+ 348,000
	Program increase: 116 Double V-Hull upgrades			+ 348,000
6	Bradley Program (MOD)	444,851	555,851	+ 111,000
	Program increase: Recap M2A4 vehicles			+ 111,000
7	M109 FOV Modifications	64,230	49,665	- 14,565
	Improving funds management: Execution delays			- 14,565
10	Assault Bridge (Mod)	5,855	4,736	- 1,119
	Improving funds management: Execution delays			- 1,119
11	Assault Breacher Vehicle	34,221	64,221	+ 30,000
	Program increase: ABVs, combat dozer blades, and full width mine plows			+ 30,000
14	M1 Abrams Tank (MOD)	248,826	416,326	+ 167,500
	Program increase			+ 171,000
	Improving funds management: Undefined CROWS-LP contract			- 3,500
15	Abrams Upgrade Program	275,000	525,000	+ 250,000
	Program increase: Recap tanks to M1A2SEPV3			+ 250,000
18	M240 Medium Machine Gun (7.62MM)	1,992	3,292	+ 1,300
	Program increase			+ 1,300
20	Mortar Systems	21,452	18,830	- 2,622
	Improving funds management: Execution delays			- 2,622
21	XM320 Grenade Launcher Module [GLM]	4,524	18,524	+ 14,000
	Program increase			+ 14,000
22	Compact Semi-Automatic Sniper System		50,700	+ 50,700
	Program increase: Squad designated marksman rifle			+ 50,700
24	Common Remotely Operated Weapons Station	750	22,250	+ 21,500
	Program increase			+ 11,500
	Program increase: CROWS modifications to integrate the XM914			+ 10,000
27	M777 Mods	3,985	89,772	+ 85,787
	Program increase: M777 lightweight towed howitzers and chrome tubes			+ 85,787
31	M240 Medium Machine Gun Mods	4,577	11,159	+ 6,582
	Program increase: M240L 7.62mm machine guns			+ 6,582
38	Industrial Preparedness		4,000	+ 4,000
	Program increase			+ 4,000

Active Protection Systems.—The Committee continues to be concerned about the proliferation and lethality of anti-armor weapons developed by adversary nations and concurs with the Army's assessment that Active Protection Systems may be the only viable near-term mitigation for these threats. In order to accelerate procurement, the Committee encourages the Secretary of the Army to rapidly field Active Protection Systems by using all available authorities and expeditious contracting mechanisms.

Mobile Protected Firepower.—The fiscal year 2018 President's budget request includes planned procurement funding in fiscal year 2019 for Mobile Protected Firepower. The Committee directs the Secretary of the Army to provide a report, no later than the submission of the fiscal year 2019 President's budget request, explaining the changes in infantry brigade combat team doctrine, organization, training, logistics, personnel, and facilities required to sup-

port armored vehicles organic to those formations. The report shall include estimates of the amount and timing of the funds over the future years defense program required to establish or modify training and gunnery ranges, establish or renovate, man, and operate maintenance facilities, man and train tank crews, and procure and field associated vehicles required to support light tanks. The report shall also include detailed explanation of the number, size, and distribution of tank units within infantry brigade combat teams. Finally, this report should be submitted to the congressional defense committees and the military construction appropriations subcommittees.

M4 Carbine Rails.—The Committee supports Department of the Army efforts over the last decade to upgrade the M4 carbine and its accessory systems. The Committee notes that United States Special Operations Command units have fielded rail systems for their M4 carbines that place no weight on the barrel, resulting in increased accuracy and durability. The Committee directs the Secretary of the Army to submit a report to the congressional defense committees, not later than June 30, 2018, which describes the costs and benefits, both budgetary and operational, of fielding free-floating rails for the M4.

PROCUREMENT OF AMMUNITION, ARMY

Appropriations, 2017	\$1,483,566,000
Budget estimate, 2018	1,879,283,000
Committee recommendation	2,403,384,000

The Committee recommends an appropriation of \$2,403,384,000. This is \$524,101,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AMMUNITION						
	SMALL/MEDIUM CAL AMMUNITION						
1	CTG, 5.56MM, ALL TYPES	39,767	46,258		46,258		+6,491
2	CTG, 7.62MM, ALL TYPES	46,804	61,704		61,704		+14,900
3	CTG, HANDGUN, ALL TYPES	10,413	10,413		10,413		
4	CTG, .50 CAL, ALL TYPES	62,837	71,322		71,322		+8,485
5	CTG, 20MM, ALL TYPES	8,208	8,208		8,208		
6	CTG, 25MM, ALL TYPES	8,640	40,502		40,502		+31,862
7	CTG, 30MM, ALL TYPES	76,850	79,000		79,000		+2,150
8	CTG, 40MM, ALL TYPES	108,189	125,380		125,380		+17,191
	MORTAR AMMUNITION						
9	60MM MORTAR, ALL TYPES	57,359	55,359		55,359		-2,000
10	81MM MORTAR, ALL TYPES	49,471	49,471		49,471		
11	120MM MORTAR, ALL TYPES	91,528	108,328		108,328		+16,800
	TANK AMMUNITION						
12	CTG TANK 105MM AND 120MM: ALL TYPES	133,500	134,700		134,700		+1,200
	ARTILLERY AMMUNITION						
13	CTG, ARTY, 75MM AND 105MM: ALL TYPES	44,200	44,200		44,200		
14	ARTILLERY PROJECTILE, 155MM, ALL TYPES	187,149	229,649		229,649		+42,500
15	PROJ, 155MM EXTENDED RANGE XM982	480	199,000	480	199,000		+150,000
16	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES	83,046	162,768		162,768		+79,722
	MINES						
17	MINES AND CLEARING CHARGES, ALL TYPES	3,942	3,942		3,942		
	ROCKETS						
19	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	5,000	5,000		5,000		
20	ROCKET, HYDRA 70, ALL TYPES	161,155	154,155		154,155		-7,000
	OTHER AMMUNITION						
21	CAD/PAD ALL TYPES	7,441	7,441		7,441		
22	DEMOLITION MUNITIONS, ALL TYPES	19,345	19,345		19,345		

23	GRENADES, ALL TYPES	22,759	32,759	.....	.....	+ 10,000
24	SIGNALS, ALL TYPES	2,583	2,083	.....	.....	- 500
25	SIMULATORS, ALL TYPES	13,084	13,084	.....	.....	.....
	MISCELLANEOUS .....	.....	.....	.....	.....	.....
26	AMMO COMPONENTS, ALL TYPES	12,237	12,237	.....	.....	.....
27	NON-LETHAL AMMUNITION, ALL TYPES	1,500	1,500	.....	.....	.....
28	ITEMS LESS THAN \$5 MILLION	10,730	10,730	.....	.....	.....
29	AMMUNITION PECULIAR EQUIPMENT	16,425	16,425	.....	.....	.....
30	FIRST DESTINATION TRANSPORTATION (AMMO)	15,221	15,221	.....	.....	.....
	TOTAL, AMMUNITION	1,348,383	1,720,184	.....	.....	+ 371,801
	AMMUNITION PRODUCTION BASE SUPPORT .....	.....	.....	.....	.....	.....
	PRODUCTION BASE SUPPORT .....	.....	.....	.....	.....	.....
32	PROVISION OF INDUSTRIAL FACILITIES	329,356	428,656	.....	.....	+ 99,300
33	CONVENTIONAL MUNITIONS DEMILITARIZATION, ALL	197,825	250,825	.....	.....	+ 53,000
34	ARMS INITIATIVE	3,719	3,719	.....	.....	.....
	TOTAL, AMMUNITION PRODUCTION BASE SUPPORT	530,900	683,200	.....	.....	+ 152,300
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY	1,879,283	2,403,384	.....	.....	+ 524,101

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	CTG, 5.56mm, All Types	39,767	46,258	+ 6,491
	Program increase			+ 6,491
2	CTG, 7.62mm, All Types	46,804	61,704	+ 14,900
	Program increase			+ 14,900
4	CTG, .50 Cal, All Types	62,837	71,322	+ 8,485
	Program increase			+ 8,485
6	CTG, 25mm, All Types	8,640	40,502	+ 31,862
	Program increase			+ 31,862
7	CTG, 30mm, All Types	76,850	79,000	+ 2,150
	Program increase			+ 2,150
8	CTG, 40mm, All Types	108,189	125,380	+ 17,191
	Program increase			+ 17,191
9	60MM Mortar, All Types	57,359	55,359	- 2,000
	Restoring acquisition accountability: Acquisition strategy (60MM ILLUM VL M721)			- 2,000
11	120MM Mortar, All Types	91,528	108,328	+ 16,800
	Program increase			+ 16,800
12	Cartridges, Tank, 105MM and 120MM, All Types	133,500	134,700	+ 1,200
	Restoring acquisition accountability: Acquisition strategy (120MM APFSDS-T)			- 39,100
	Program increase			+ 40,300
14	Artillery Projectile, 155MM, All Types	187,149	229,649	+ 42,500
	Restoring acquisition accountability: Acquisition strategy (BONUS projectile)			- 35,500
	Restoring acquisition accountability: engineering change proposal cost growth (155MM HE IM Training round)			- 1,500
	Program increase			+ 79,500
15	Proj 155mm Extended Range M982	49,000	199,000	+ 150,000
	Program increase			+ 150,000
16	Artillery Propellants, Fuzes and Primers, All	83,046	162,768	+ 79,722
	Program increase			+ 79,722
20	Rocket, Hydra 70, All Types	161,155	154,155	- 7,000
	Restoring acquisition accountability: Unit cost discrepancy (APKWS)			- 7,000
23	Grenades, All Types	22,759	32,759	+ 10,000
	Program increase			+ 10,000
24	Signals, All Types	2,583	2,083	- 500
	Improving funds management: Prior year carryover			- 500
32	Industrial Facilities	329,356	428,656	+ 99,300
	Improving funds management: Contract delays (ARMS Initiative)			- 700
	Program Increase			+ 100,000
33	Conventional Munitions Demilitarization	197,825	250,825	+ 53,000
	Program increase: Destruction of obsolete and unsafe munitions			+ 53,000

OTHER PROCUREMENT, ARMY

Appropriations, 2017	\$6,147,328,000
Budget estimate, 2018	6,469,331,000
Committee recommendation	7,814,263,000

The Committee recommends an appropriation of \$7,814,263,000. This is \$1,344,932,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, ARMY						
	TACTICAL AND SUPPORT VEHICLES						
	TACTICAL VEHICLES						
1	TACTICAL TRAILERS/DOLLY SETS		9,716		6,716		-3,000
2	SEMITRAILERS, FLATBED:		14,151		38,151		+24,000
3	HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV)		53,000		53,000		
4	GROUND MOBILITY VEHICLES (GMV)		40,935		40,935		
5	ARNG HMMWV MODERNIZATION PROGRAM				120,000		+120,000
6	JOINT LIGHT TACTICAL VEHICLE	2,110	804,440	2,110	804,440		
7	TRUCK, DUMP, 20t (GCE)		967		967		
8	FAMILY OF MEDIUM TACTICAL VEH (FMTV)		78,650		232,750		+154,100
9	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMEN		19,404		19,404		
10	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)		81,656		85,544		+3,888
11	PLS ESP		7,129		59,729		+52,600
12	HEAVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV				112,250		+112,250
13	TACTICAL WHEELED VEHICLE PROTECTION KITS		43,040		43,040		
14	MODIFICATION OF IN SVC EQUIP		83,940		83,940		
	NON-TACTICAL VEHICLES						
16	HEAVY ARMORED SEDAN		269		269		
17	PASSENGER CARRYING VEHICLES		1,320		1,320		
18	NONTACTICAL VEHICLES, OTHER		6,964		6,964		
	TOTAL TACTICAL AND SUPPORT VEHICLES		1,245,581		1,709,419		+463,838
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMM—JOINT COMMUNICATIONS						
19	WIN-T—GROUND FORCES TACTICAL NETWORK		420,492		102,400		-318,092
20	SIGNAL MODERNIZATION PROGRAM		92,718		92,718		
21	TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE		150,497		359,597		+209,100
22	JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY		6,065		6,065		
23	ICSE EQUIPMENT (USREDCOM)		5,051		5,051		

26	COMM—SATELLITE COMMUNICATIONS											
27	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	161,383	158,990									-2,393
28	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	62,600	80,600									+18,000
29	SFH TERM	11,622	11,622									
30	SMART-T (SPACE)	6,799	6,799									
31	GLOBAL BRODCST SVC—GRS	7,065	7,065									
32	ENROUTE MISSION COMMAND (EMC)	21,667	21,667									
33	COMM—COMBAT SUPPORT COMM	70	70									
34	MOD OF IN-SERVICE PROFILER											
35	COMM—C3 SYSTEM	2,658	2,658									
36	ARMY GLOBAL CMD & CONTROL SYS (AGCCS)											
37	COMM—COMBAT COMMUNICATIONS	355,351	363,760									+8,409
38	HANDHELD MANPACK SMALL FORM FIT (HMS)	25,100										-25,100
39	MID-TIER NETWORKING VEHICULAR RADIO (MMVR)	11,160	11,160									
40	RADIO TERMINAL SET, MIDS LVT(2)	2,041	2,041									
41	TRACTOR DESK	5,534	5,534									
42	TRACTOR RIDE	996	996									
43	SPIDER APLA REMOTE CONTROL UNIT	4,500	500									-4,000
44	SPIDER FAMILY OF NETWORKED MUNITIONS INCREASE	4,411	4,411									
45	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM	15,275	15,275									
46	UNIFIED COMMAND SUITE	15,964	15,964									
47	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE											
48	COMM—INTELLIGENCE COMM	9,560	9,560									
49	CI AUTOMATION ARCHITECTURE (IMP)	4,030	4,030									
50	DEFENSE MILITARY DECEPTION INITIATIVE											
51	INFORMATION SECURITY	107,804	107,804									
52	COMMUNICATIONS SECURITY (COMSEC)	53,436	53,436									
53	DEFENSIVE CYBER OPERATIONS	690	690									
54	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITOR	4,000	4,000									
55	PERSISTENT CYBER TRAINING ENVIRONMENT											
56	COMM—LONG HAUL COMMUNICATIONS	43,751	24,135									-19,616
57	BASE SUPPORT COMMUNICATIONS											
58	COMM—BASE COMMUNICATIONS	118,101	85,570									-32,531
59	INFORMATION SYSTEMS	4,490	4,490									
60	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM	20,050	20,050									
61	HOME STATION MISSION COMMAND CENTERS (MSMCC)	186,251	296,251									+110,000
62	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM											
63												
64												

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	ELECT EQUIP						
67	ELECT EQUIP—TACT INT REL ACT (TIARA)		12,154		12,154		
70	JTT/CIBS-M (MIP)		274,782		274,782		
72	DGSS-A (MIP)		16,052		16,052		
	TROJAN (MIP)		51,034		51,034		
73	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)		7,815		7,815		
74	CI HUMINT AUTO REPRING AND COLLICHARGS(MIP)		8,050		8,050		
75	CLOSE ACCESS TARGET RECONNAISSANCE (CATR)		567		567		
76	MACHINE FOREIGN LANGUAGE TRANSLATION SYSTEM						
	ELECT EQUIP—ELECTRONIC WARFARE (EW)						
78	LIGHTWEIGHT COUNTER MORTAR RADAR		20,459		20,459		
79	EW PLANNING AND MANAGEMENT TOOLS		5,805		5,805		
80	AIR VIGILANCE (AV)		5,348		5,348		
83	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES		469		469		
84	CI MODERNIZATION (MIP)		285		285		
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)						
85	SENTINEL MODS		28,491		100,491		+ 72,000
86	NIGHT VISION DEVICES		166,493		182,242		+ 15,749
87	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF		13,947		16,097		+ 2,150
88	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS		21,380		598,613		+ 577,233
90	FAMILY OF WEAPON SIGHTS (FWS)		59,105		59,105		
91	ARTILLERY ACCURACY EQUIP		2,129		2,129		
93	JOINT BATTLE COMMAND—PLATFORM (JBC-P)		282,549		402,971		+ 120,422
94	JOINT EFFECTS TARGETING SYSTEM (JETS)		48,664		48,664		
95	MOD OF IN-SERVICE EQUIPMENT (LLDR)		5,198		5,198		
96	COMPUTER BALLISTICS: LHMCB XM32		8,117		8,117		
97	MORTAR FIRE CONTROL SYSTEM		31,813		31,813		
98	COUNTERFIRE RADARS		329,057		393,257		+ 64,200
	ELECT EQUIP—TACTICAL C2 SYSTEMS						
99	FIRE SUPPORT C2 FAMILY		8,700		8,700		
100	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD)		26,635		123,613		+ 96,978
102	LIFE CYCLE SOFTWARE SUPPORT (LCSS)		1,992		1,992		

103	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	15,179	15,179	15,179	15,179	.....	.....	.....
104	MANEUVER CONTROL SYSTEM (MCS)	132,572	132,572	132,572	132,572	.....	.....	.....
105	GLOBAL COMBAT SUPPORT SYSTEM-ARMY	37,201	37,201	37,201	37,201	.....	.....	.....
106	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY	16,140	16,140	16,140	16,140	.....	.....	.....
107	RECONNAISSANCE AND SURVEYING INSTRUMENT SET	6,093	6,093	6,093	6,093	.....	.....	.....
108	MOD OF IN-SERVICE EQUIPMENT (ENFIRE)	1,134	1,134	1,134	1,134	.....	.....	.....
109	ELECT EQUIP—AUTOMATION	11,575	11,575	11,575	11,575	.....	.....	.....
110	ARMY TRAINING MODERNIZATION	91,983	91,983	91,983	91,983	.....	.....	.....
111	AUTOMATED DATA PROCESSING EQUIPMENT	4,465	4,465	4,465	4,465	.....	.....	.....
112	GENERAL FUND ENTERPRISE BUSINESS SYSTEM	66,363	66,363	66,363	66,363	.....	.....	.....
113	HIGH PERF COMPUTING MOD PROGRAM	1,001	1,001	1,001	1,001	.....	.....	.....
114	CONTRACT WRITING SYSTEM	26,183	26,183	26,183	26,183	.....	.....	.....
115	RESERVE COMPONENT AUTOMATION SYS (RCAS)	4,441	4,441	4,441	4,441	.....	.....	.....
116	ELECT EQUIP—AUDIO VISUAL SYS (A/V)	3,414	3,414	3,414	3,414	.....	.....	.....
117	TACTICAL DIGITAL MEDIA	499	499	499	499	.....	.....	.....
118	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT)	25,050	25,050	25,050	25,050	.....	.....	.....
	ELECT EQUIP—SUPPORT .....					.....	.....	.....
	PRODUCTION BASE SUPPORT (C-E) .....					.....	.....	.....
	BCT EMERGING TECHNOLOGIES .....					.....	.....	.....
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT	3,821,565	3,821,565	4,650,174	4,650,174	.....	.....	+ 828,609
	OTHER SUPPORT EQUIPMENT .....					.....	.....	.....
	CHEMICAL DEFENSIVE EQUIPMENT .....					.....	.....	.....
119	PROTECTIVE SYSTEMS	1,613	1,613	1,613	1,613	.....	.....	.....
120	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	9,696	9,696	16,696	16,696	.....	.....	+ 7,000
122	CBRN DEFENSE	11,110	11,110	16,110	16,110	.....	.....	+ 5,000
123	BRIDGING EQUIPMENT .....					.....	.....	.....
124	TACTICAL BRIDGING	16,610	16,610	16,610	16,610	.....	.....	.....
126	TACTICAL BRIDGE, FLOAT-RIBBON	21,761	21,761	21,761	21,761	.....	.....	.....
	COMMON BRIDGE TRANSPORTER RECAP	21,046	21,046	21,046	21,046	.....	.....	.....
127	ENGINEER (NON-CONSTRUCTION) EQUIPMENT	5,000	5,000	5,000	5,000	.....	.....	.....
128	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST	32,442	32,442	32,442	32,442	.....	.....	.....
129	GROUND STANDOFF MINE DETECTION SYSTEM [GSTAMIDS]	10,571	10,571	10,571	10,571	.....	.....	.....
130	AREA MINE DETECTION SYSTEM (AMDS)	21,695	21,695	21,695	21,695	.....	.....	.....
131	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	4,516	4,516	4,516	4,516	.....	.....	.....
132	ROBOTIC COMBAT SUPPORT SYSTEM	10,073	10,073	10,073	10,073	.....	.....	.....
	EOD ROBOTICS SYSTEMS RECAPITALIZATION .....					.....	.....	.....

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
133	ROBOTICS AND APPLIQUE SYSTEMS .....	.....	3,000	.....	2,000	.....	-1,000
135	REMOTE DEMOLITION SYSTEMS .....	.....	5,847	.....	5,847	.....	.....
136	ITEMS LESS THAN \$5M, COUNTERMINE EQUIPMENT .....	.....	1,530	.....	1,530	.....	.....
137	FAMILY OF BOATS AND MOTORS .....	.....	4,302	.....	4,302	.....	.....
	COMBAT SERVICE SUPPORT EQUIPMENT						
138	HEATERS AND ECUS .....	.....	7,405	.....	7,405	.....	.....
139	SOLDIER ENHANCEMENT .....	.....	1,095	.....	4,095	.....	+3,000
140	PERSONNEL RECOVERY SUPPORT SYSTEM [PRSS] .....	.....	5,390	.....	5,390	.....	.....
141	GROUND SOLDIER SYSTEM .....	.....	38,219	.....	38,219	.....	.....
142	MOBILE SOLDIER POWER .....	.....	10,456	.....	10,456	.....	.....
143	FORCE PROVIDER .....	.....	.....	.....	27,700	.....	+27,700
144	FIELD FEEDING EQUIPMENT .....	.....	15,340	.....	15,340	.....	.....
145	CARGO AERIAL DEL. & PERSONNEL PARACHUTE SYSTEM .....	.....	30,607	.....	30,607	.....	.....
146	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS .....	.....	10,426	.....	10,426	.....	.....
	PETROLEUM EQUIPMENT						
148	QUALITY SURVEILLANCE EQUIPMENT .....	.....	6,903	.....	6,903	.....	.....
149	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....	.....	47,597	.....	47,597	.....	.....
	MEDICAL EQUIPMENT						
150	COMBAT SUPPORT MEDICAL .....	.....	43,343	.....	61,843	.....	+18,500
	MAINTENANCE EQUIPMENT						
151	MOBILE MAINTENANCE EQUIPMENT SYSTEMS .....	.....	33,774	.....	33,774	.....	.....
152	ITEMS LESS THAN \$5.0M (MAINT EQ) .....	.....	2,728	.....	2,728	.....	.....
	CONSTRUCTION EQUIPMENT						
153	GRADER, ROAD MTZD, Hvy, 6X4 (CCE) .....	.....	989	.....	989	.....	.....
154	SCRAPERS, EARTHMOVING .....	.....	11,180	.....	11,180	.....	.....
157	ALL TERRAIN CRANES .....	.....	8,935	.....	8,935	.....	.....
159	HIGH MOBILITY ENGINEER EXCAVATOR [HMEE] FOS .....	.....	64,339	.....	62,547	.....	-1,792
160	ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP .....	.....	2,563	.....	2,563	.....	.....
162	CONST EQUIP ESP .....	.....	19,032	.....	19,032	.....	.....
163	ITEMS LESS THAN \$5.0M (CONST EQUIP) .....	.....	6,899	.....	6,899	.....	.....

164	RAIL FLOAT CONTAINERIZATION EQUIPMENT				20,110	20,110		
165	ARMY WATERCRAFT ESP				2,877	2,877		
	ITEMS LESS THAN \$5.0M (FLOAT/RAIL)							
166	GENERATORS				115,635	115,635		
	GENERATORS AND ASSOCIATED EQUIPMENT							
167	MATERIAL HANDLING EQUIPMENT				7,436	7,436		
168	TACTICAL ELECTRIC POWER RECAPITALIZATION				9,000	9,000		
	FAMILY OF FORKLIFTS							
	TRAINING EQUIPMENT							
169	COMBAT TRAINING CENTERS SUPPORT				88,888	126,638		+ 37,750
170	TRAINING DEVICES, NONSYSTEM				285,989	259,251		- 26,738
171	CLOSE COMBAT TACTICAL TRAINER				45,718	45,718		
172	AVIATION COMBINED ARMS TACTICAL TRAINER (AVCA)				30,568	30,568		
173	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING				5,406	5,406		
174	TEST MEASURE AND DIG EQUIPMENT (TMD)				5,564	5,564		
175	CALIBRATION SETS EQUIPMENT				30,144	30,144		
176	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)				7,771	7,771		
	TEST EQUIPMENT MODERNIZATION (TEMOD)							
	OTHER SUPPORT EQUIPMENT							
177	M25 STABILIZED BINOCULAR				3,956	3,956		
178	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT				5,000	5,000		
179	PHYSICAL SECURITY SYSTEMS (OPAS)				60,047	60,047		
180	BASE LEVEL COM'L EQUIPMENT				13,239	13,239		
181	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)				60,192	60,192		
182	PRODUCTION BASE SUPPORT (OTH)				2,271	2,271		
183	SPECIAL EQUIPMENT FOR USER TESTING				5,319	14,319		+ 9,000
184	TRACTOR YARD				5,935	5,935		
	TOTAL, OTHER SUPPORT EQUIPMENT			1,359,097	1,437,517	1,437,517		+ 78,420
186	SPARE AND REPAIR PARTS				38,269	12,334		- 25,935
	INITIAL SPARES—C&E							
999	TOTAL, SPARE AND REPAIR PARTS			38,269	12,334	12,334		- 25,935
	CLASSIFIED PROGRAMS			4,819	4,819	4,819		
	TOTAL, OTHER PROCUREMENT, ARMY			6,469,331	7,814,263	7,814,263		+ 1,344,932

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Tactical Trailers/Dolly Sets	9,716	6,716	- 3,000
	Improving funds management: Prior year carryover			- 3,000
2	Semitrailers, Flatbed	14,151	38,151	+ 24,000
	Program increase			+ 24,000
5	ARNG HMMWV Modernization Program		120,000	+ 120,000
	Program increase: HMMV ambulance modernization			+ 120,000
8	Family of Medium Tactical Veh [FMTV]	78,650	232,750	+ 154,100
	Program increase			+ 154,100
10	Family of Heavy Tactical Vehicles [FHTV]	81,656	85,544	+ 3,888
	Restoring acquisition accountability: Trailer unit cost growth			- 3,240
	Program increase			+ 7,128
11	Pls Esp	7,129	59,729	+ 52,600
	Program increase			+ 52,600
12	Hvy Expanded Mobile Tactical Truck Ext Serv		112,250	+ 112,250
	Program increase			+ 112,250
19	Win-T—Ground Forces Tactical Network	420,492	102,400	- 318,092
	Transfer funding for network modernization strategy: Army-requested to OPA line 21			- 209,100
	Restoring acquisition accountability: Network modernization strategy			- 108,992
21	Tactical Network Technology Mod In Svc	150,497	359,597	+ 209,100
	Transfer funding for network modernization strategy: Army-requested from OPA line 19			+ 209,100
26	Defense Enterprise Wideband Satcom Systems	161,383	158,990	- 2,393
	Maintain program affordability: Unjustified fielding growth			- 2,393
27	Transportable Tactical Command Communications	62,600	80,600	+ 18,000
	Program increase			+ 18,000
38	Handheld Manpack Small Form Fit [HMS]	355,351	363,760	+ 8,409
	Program increase			+ 8,409
39	Mid-Tier Networking Vehicular Radio [MNVR]	25,100		- 25,100
	Program termination: Network modernization strategy			- 25,100
45	Spider Family of Networked Munitions Incr	4,500	500	- 4,000
	Improving funds management: Prior year carryover			- 4,000
60	Base Support Communications	43,751	24,135	- 19,616
	Restoring acquisition accountability: LMR unit cost growth			- 19,616
61	Information Systems	118,101	85,570	- 32,531
	Improving funds management: Prior year carryover			- 32,531
64	Installation Info Infrastructure Mod Program	186,251	296,251	+ 110,000
	Program increase			+ 110,000
85	Sentinel Mods	28,491	100,491	+ 72,000
	Program increase: Additional Sentinel radars			+ 72,000
86	Night Vision Devices	166,493	182,242	+ 15,749
	Program increase: Limited visibility enhancements			+ 15,749
87	Small Tactical Optical Rifle Mounted MLRF	13,947	16,097	+ 2,150
	Program increase:			+ 2,150
89	Indirect Fire Protection Family of Systems	21,380	598,613	+ 577,233
	Program increase			+ 577,233
93	Joint Battle Command—Platform [JBC-P]	282,549	402,971	+ 120,422
	Program increase			+ 120,422
98	Counterfire Radars	329,057	393,257	+ 64,200
	Program increase: AN/TPQ-53 counterfire target acquisition radar system			+ 64,200
100	AIR & MSL Defense Planning & Control Sys	26,635	123,613	+ 96,978
	Program increase			+ 96,978
104	Maneuver Control System [MCS]	132,572	72,672	- 59,900

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Transfer funding for network modernization strategy: Army-requested to RDA line 109			- 25,000
	Transfer funding for network modernization strategy: Army-requested to RDA line 137			- 10,000
	Program termination: Network modernization strategy-CPOF			- 24,900
110	Automated Data Processing Equip	91,983	87,983	- 4,000
	Improving funds management: Prior year carryover			- 4,000
120	Family of Non-Lethal Equipment [FNLE]	9,696	16,696	+ 7,000
	Program increase: Acoustic hailing devices to provide non-lethal escalation capability			+ 7,000
122	CBRN Defense	11,110	16,110	+ 5,000
	Program increase: Contamination avoidance			+ 5,000
133	Robotics and Applique Systems	3,000	2,000	- 1,000
	Improving funds management: Prior year carryover			- 1,000
139	Soldier Enhancement	1,095	4,095	+ 3,000
	Program increase: Personal equipment			+ 3,000
143	Force Provider		27,700	+ 27,700
	Program increase			+ 27,700
150	Combat Support Medical	43,343	61,843	+ 18,500
	Program increase: Warrior aid litter kits for tactical wheeled vehicle fleet			+ 13,500
	Program increase: Enhanced medical kits for rotary wing platforms			+ 5,000
159	High Mobility Engineer Excavator [HMEE]	64,339	62,547	- 1,792
	Program increase: HMEE's for units to address combat engineer shortfalls			+ 20,560
	Restoring acquisition accountability: Unit cost growth			- 22,352
169	Combat Training Centers Support	88,888	126,638	+ 37,750
	Program increase			+ 37,750
170	Training Devices, Nonsystem	285,989	259,251	- 26,738
	Restoring acquisition accountability: Unit cost growth			- 26,738
183	Special Equipment for User Testing	5,319	14,319	+ 9,000
	Program increase: Regional service delivery points			+ 9,000
186	Initial Spares—C&E	38,269	12,334	- 25,935
	Restoring acquisition accountability: Network modernization strategy—WIN-T spares excess to need			- 23,935
	Restoring acquisition accountability: MCS spares excess to need			- 2,000

HMMWV Modernization.—The Committee notes the critical role that important safety technologies like Antilock Brake Systems [ABS] play on the High Mobility Multipurpose Wheeled Vehicle [HMMWV] fleet. The Committee supports the incorporation of ABS into the HMMWV new production process and the HMMWV modernization process for Active, Reserve, and National Guard components. To ensure proper quality control during the ABS installation process for new and enduring Active, Reserve, and National Guard HMMWVs, the Committee directs that installation of ABS on all HMMWVs shall be performed during the HMMWV new production process or the HMMWV modernization process, when the HMMWV produced is new, or returned to a zero-hour, zero-mile, like-new condition.

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 rec-

ommends \$173,000,000 for High Mobility Multipurpose Wheeled Vehicle ambulances, an increase of \$120,000,000 over the fiscal year 2018 President's budget request, of which \$53,000,000 is intended for Regular Army and \$120,000,000 is intended for the Army National Guard and the Army Reserve.

Ground Mobility Vehicle.—The Committee is concerned with the Army's plan to procure a limited quantity of ground mobility vehicles [GMV] for use by airborne brigades. A comparison of GMV unit cost targets proposed by the Army against actuals contained in Department of Defense contracts and on the General Services Administration [GSA] schedule indicates that a developmental vehicle will cost at least \$100,000 per unit more than available non-developmental vehicles. Further, procurement of the planned developmental vehicle will delay full fielding of 295 vehicles until sometime after 2020, undermining the Army's rapid acquisition objective. The Committee recommends full funding for this program and directs that, of the funds provided, none are available except to execute an accelerated competition for the GMV program of record or to procure such vehicles via the GSA schedule.

Commercial-off-the-Shelf Simulation Devices.—Simulators allow geographically dispersed Army National Guard and Army Reserve units to conduct training when time and distance prevent traditional military exercises. The Committee commends the Army for acquiring commercially available simulation devices to enable the Reserve Components to provide training at an affordable cost and encourages the Army to establish means of quantifying the impact of simulation-based training on individual and collective training readiness.

Personal Dosimeters.—The Army has a critical shortfall of personal dosimeters which measure radiation exposure, creating an Army readiness gap. Instruments currently fielded are past their expected life, placing soldiers at risk. The Committee remains concerned that shortfalls exist in fielding the most current radiation detection devices across the Army. To ensure soldiers have the capability to detect nuclear radiation, the Committee recommends an increase of \$5,000,000 above the fiscal year 2018 President's budget request to expedite the fielding of radiation detection equipment, specifically personal dosimeters to the force.

Army Network Modernization.—Section 237 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) directed the Director, Cost Assessment and Program Evaluation [CAPE] and Director, Operational Test and Evaluation [DOT&E] to commission a major independent report of the Army's tactical communications network. This report, produced by the Institute for Defense Analysis [IDA], concluded that “a steady tide of performance deficiencies, cancellations, and program restructuring has drawn out the (network's) acquisition timeline in a way that creates a unique opportunity to untether it from history and question the path forward.” Following the submission of the Army's fiscal year 2018 budget request, and the publication of IDA's assessment, the Chief of Staff of the Army initiated an agency review of the Army's radio and tactical network programs resulting in the suspension or revision of existing programs within its radio and tactical network portfolio. There is now a disconnect between the Army's fiscal year

2018 budget request and the funding requirements for the Army’s revised radio and tactical network strategy.

While the Committee supports a majority of net-zero realignment requests for fiscal year 2018 in the Other Procurement, Army and Research, Development, Test and Evaluation, Army accounts as the first step toward a broader revision to the Army radio and tactical network modernization strategy, the Committee is concerned the requested funding realignments represent a resource-constrained solution as opposed to a cohesive strategy-driven approach.

The Committee further notes that section 112 of the National Defense Authorization Act [NDAA] for Fiscal Year 2018 directs the Secretary of the Army to submit to the congressional defense committees a report, no later than January 31, 2018, detailing the Army’s strategy for “modernizing air-land ad-hoc, mobile tactical communications and data networks.” While the directed report will further inform the congressional defense committees of the details of the Army’s revised radio and tactical network modernization strategy, the Committee remains concerned that future years’ budget requests will adequately support the Army’s revised radio and tactical network modernization strategy.

Therefore, the Committee directs the Director, CAPE and the Director, DOT&E to perform an independent analysis of the report directed by the NDAA for fiscal year 2018. This report shall include an overall assessment of the Army’s radio and tactical network modernization plan; identification of specific capabilities, systems, or programs needed to meet the Army’s requirements; strategy for integration of networking systems; and independent assessments of the Secretary of the Army’s response to each report element outlined in section 112 of the NDAA for Fiscal Year 2018, including an assessment on the suitability and viability of the Army’s plan as it pertains to each element. The assessment shall be provided to congressional defense committees no later than May 1, 2018.

AIRCRAFT PROCUREMENT, NAVY

Appropriations, 2017	\$16,135,335,000
Budget estimate, 2018	14,956,235,000
Committee recommendation	18,416,079,000

The Committee recommends an appropriation of \$18,416,079,000. This is \$3,459,844,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
AIRCRAFT PROCUREMENT, NAVY							
COMBAT AIRCRAFT							
2	F/A-18E/F (FIGHTER) HORNET [MYP]	14	1,200,146	24	1,908,946	+10	+708,800
3	F/A-18E/F (FIGHTER) HORNET [MYP] (AP)	.....	52,971	.....	52,971	.....	.....
4	JOINT STRIKE FIGHTER CV	4	582,324	8	1,094,024	+4	+511,700
5	JOINT STRIKE FIGHTER CV [AP-CY]	.....	263,112	.....	263,112	.....	.....
6	JSF STOVL	20	2,398,139	24	2,810,939	+4	+412,800
7	JSF STOVL [AP-CY]	.....	413,450	.....	413,450	.....	.....
8	CH-53K (HEAVY LIFT)	4	567,605	6	817,605	+2	+250,000
9	CH-53K (HEAVY LIFT) [AP-CY]	.....	147,046	.....	147,046	.....	.....
10	V-22 (MEDIUM LIFT)	6	677,404	12	1,094,404	+6	+417,000
11	V-22 (MEDIUM LIFT) [AP-CY]	.....	27,422	.....	27,422	.....	.....
12	UH-1Y/AH-1Z	22	678,429	22	671,979	.....	-6,500
13	UH-1Y/AH-1Z [AP-CY]	.....	42,082	.....	42,082	.....	.....
14	MH-60R	.....	.....	8	400,000	+8	+400,000
16	P-8A POSEIDON	7	1,245,251	7	1,204,451	.....	-40,800
17	P-8A POSEIDON [AP-CY]	.....	140,333	.....	140,333	.....	.....
18	E-2D ADV HAWKEYE	5	733,910	5	716,310	.....	-17,600
19	E-2D ADV HAWKEYE [AP-CY]	.....	102,026	.....	121,626	.....	+19,600
TOTAL, COMBAT AIRCRAFT		.....	9,271,650	.....	11,926,650	.....	+2,655,000
TRAINER AIRCRAFT							
OTHER AIRCRAFT							
22	KC-130J	2	129,577	6	472,277	+4	+342,700
23	KC-130J [AP-CY]	.....	25,497	.....	25,497	.....	.....
24	MQ-4 TRITON	3	522,126	3	498,326	.....	-23,800
25	MQ-4 TRITON [AP-CY]	.....	57,266	.....	57,266	.....	.....
26	MQ-8 UAV	.....	49,472	.....	43,672	.....	-5,800
27	STUASLO UAV	.....	880	.....	880	.....	.....
TOTAL, OTHER AIRCRAFT		.....	784,818	.....	1,097,918	.....	+313,100

MODIFICATION OF AIRCRAFT							
30	AEA SYSTEMS	52,960	52,960	52,960	52,960		
31	AV-8 SERIES	43,555	43,555	43,555	43,555		
32	ADVERSARY	2,565	2,565	2,565	2,565		
33	F-18 SERIES	943,661	943,661	1,080,761	1,080,761		+ 137,100
34	H-53 SERIES	38,712	38,712	38,712	38,712		
35	SH-60 SERIES	95,333	95,333	95,333	95,333		
36	H-1 SERIES	101,886	101,886	101,886	101,886		
37	EP-3 SERIES	7,231	7,231	7,231	7,231		
38	P-3 SERIES	700	700	700	700		
39	E-2 SERIES	97,563	97,563	81,813	81,813		- 15,750
40	TRAINER A/C SERIES	8,184	8,184	8,184	8,184		
41	C-2A	18,673	18,673	18,673	18,673		
42	C-130 SERIES	83,541	83,541	83,541	83,541		
43	FEWSG	630	630	630	630		
44	CARGO/TRANSPORT A/C SERIES	10,075	10,075	10,075	10,075		
45	E-6 SERIES	223,508	223,508	210,608	210,608		- 12,900
46	EXECUTIVE HELICOPTERS SERIES	38,787	38,787	38,787	38,787		
47	SPECIAL PROJECT AIRCRAFT	8,304	8,304	8,304	8,304		
48	T-45 SERIES	148,071	148,071	176,021	176,021		+ 27,950
49	POWER PLANT CHANGES	19,827	19,827	19,827	19,827		
50	JPATS SERIES	27,007	27,007	22,307	22,307		- 4,700
51	COMMON ECM EQUIPMENT	146,642	146,642	146,642	146,642		
52	COMMON AVIONICS CHANGES	123,507	123,507	123,507	123,507		
53	COMMON DEFENSIVE WEAPON SYSTEM	2,317	2,317	2,317	2,317		
54	ID SYSTEMS	49,524	49,524	49,524	49,524		
55	P-8 SERIES	18,665	18,665	14,865	14,865		- 3,800
56	MAGTF EW FOR AVIATION	10,111	10,111	10,111	10,111		
57	MQ-8 SERIES	32,361	32,361	27,561	27,561		- 4,800
59	V-22 (TILT/ROTOR AGFT) OSPREY	228,321	228,321	228,321	228,321		
60	F-35 STOVL SERIES	34,963	34,963	34,963	34,963		
61	F-35 CV SERIES	31,689	31,689	31,689	31,689		
62	QUICK REACTION CAPABILITY (QRC)	24,766	24,766	24,766	24,766		
63	MQ-4 SERIES	39,996	39,996	13,296	13,296		- 26,700
	TOTAL, MODIFICATION OF AIRCRAFT	2,713,635	2,713,635	2,810,035	2,810,035		+ 96,400
64	AIRCRAFT SPARES AND REPAIR PARTS	1,681,914	1,681,914	2,077,258	2,077,258		+ 395,344
	SPARES AND REPAIR PARTS						

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
65	COMMON GROUND EQUIPMENT		388,052		388,052		
66	AIRCRAFT INDUSTRIAL FACILITIES		24,613		24,613		
67	WAR CONSUMABLES		39,614		39,614		
68	OTHER PRODUCTION CHARGES		1,463		1,463		
69	SPECIAL SUPPORT EQUIPMENT		48,500		48,500		
70	FIRST DESTINATION TRANSPORTATION		1,976		1,976		
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES		504,218		504,218		
	TOTAL, AIRCRAFT PROCUREMENT, NAVY		14,956,235		18,416,079		+ 3,459,844

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
2	F/A-18E/F (Fighter) Hornet	1,200,146	1,908,946	+ 708,800
	Program increase: Ten aircraft			+ 739,000
	Maintain program affordability: Support costs excess to need			- 30,200
4	Joint Strike Fighter CV	582,324	1,094,024	+ 511,700
	Program increase: Two aircraft for the Navy			+ 270,000
	Program increase: Two aircraft for the Marine Corps			+ 270,000
	Improving funds management: Non-recurring cost prior year carryover			- 18,300
	Restoring acquisition accountability: Unit cost savings			- 10,000
6	JSF STOVL	2,398,139	2,810,939	+ 412,800
	Program increase: Four aircraft for the Marine Corps			+ 480,000
	Improving funds management: Non-recurring cost prior year carryover			- 43,200
	Restoring acquisition accountability: Unit cost savings			- 24,000
8	CH-53K (Heavy Lift)	567,605	817,605	+ 250,000
	Program increase: Two aircraft for the Marine Corps			+ 250,000
10	V-22 (Medium Lift)	677,404	1,094,404	+ 417,000
	Program increase: Two aircraft for the Navy			+ 175,000
	Program increase: Four aircraft for the Marine Corps			+ 320,000
	Restoring acquisition accountability: Unit cost savings			- 72,000
	Maintain program affordability: ECO excess to need			- 6,000
12	H-1 Upgrades (UH-1Y/AH-1Z)	678,429	671,929	- 6,500
	Maintain program affordability: ECO excess to need			- 6,500
15	MH-60R (MYP)		400,000	+ 400,000
	Program increase: Maintain MH-60R production line through fiscal year 2018			+ 400,000
16	P-8A Poseidon	1,245,251	1,204,451	- 40,800
	Maintain program affordability: Excess support costs			- 40,800
18	E-2D Adv Hawkeye	733,910	716,310	- 17,600
	Improving funds management: Support equipment forward financed			- 17,600
19	E-2D Adv Hawkeye—AP	102,026	121,626	+ 19,600
	Program increase—lead long for 5 aircraft in fiscal year 2019			+ 19,600
22	KC-130J	129,577	472,277	+ 342,700
	Program increase: Four aircraft for the Marine Corps			+ 342,700
24	MQ-4 Triton	522,126	498,326	- 23,800
	Restoring acquisition accountability: Support costs early to need			- 23,800
26	MQ-8 UAV	49,472	43,672	- 5,800
	Restoring acquisition accountability: Production line shut-down funding early to need			- 5,800
33	F-18 Series	943,661	1,080,761	+ 137,100
	Program increase: T-45 and F/A-18 physiological episodes funding			+ 56,000
	Program increase: ALQ-214 USMC retrofits			+ 65,100
	Program increase: ALR-67(V)3 retrofit A-kits and partial B-Kits			+ 16,000
39	E-2 Series	97,563	81,813	- 15,750
	Restoring acquisition accountability: Aerial refueling installations early to need			- 15,750
45	E-6 Series	223,508	210,608	- 12,900
	Maintain program affordability: Excess installation costs			- 7,300
	Improving funds management: Tech insertion (OSIP 003-04) forward financed			- 5,600
48	T-45 Series	148,071	176,021	+ 27,950
	Program increase: T-45 and F/A-18 physiological episodes funding			+ 27,950

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
50	JPATS Series	27,007	22,307	- 4,700
	Improving funds management: Forward financed			- 4,700
55	P-8 Series	18,665	14,865	- 3,800
	Restoring acquisition accountability: Increment 3 kits and installation equipment early to need			- 3,800
57	MQ-8 Series	32,361	27,561	- 4,800
	Restoring acquisition accountability: Radar upgrade II early to need			- 4,800
63	MQ-4 Series	39,996	13,296	- 26,700
	Kits early to need			- 26,700
64	Spares and Repair Parts	1,681,914	2,077,258	+ 395,344
	Program increase: Improve aircraft readiness			+ 375,000
	Program increase: KC-130J initial spares for four additional aircraft			+ 12,844
	Program increase: CH-53K initial spares for two additional aircraft			+ 7,500

Navy Strike Fighter Inventory Shortfall.—The Committee commends the Navy for budgeting for 80 F/A-18E/F Super Hornets over the next 5 years, instead of relying on Congress to address the Navy’s strike fighter inventory shortfall. The Committee is hopeful that the additional F/A-18s, in concert with the procurement of 5th generation aircraft and the ongoing modernization of 4th generation aircraft, will continue to reduce the Navy’s strike fighter inventory shortfall. With the submission of the fiscal year 2019 budget request, the Committee directs the Secretary of the Navy to provide a report to the congressional defense committees on the status of the Navy’s strike fighter inventory shortfall. The report should address all investment, modernization, and sustainment efforts that impact the strike fighter inventory shortfall, including: the Legacy Hornet modernization effort, the plan to modernize the Super Hornet fleet to a Block III configuration, trends in the utilization and demand of the current F-18 fleet, and the long-term plans to procure F-35C and MQ-25 aircraft.

Multiyear Procurement Contracts.—In the fiscal year 2018 budget request, the Department of the Navy requests authority for a new multiyear procurement [MYP] contract for the V-22 aircraft program for a period of 7 years through fiscal year 2024. A MYP contract beyond 5 years runs counter to the authorities provided in previous appropriations acts. Also, Section 2306b of title 10, United States Code limits the time period of MYP contracts to no more than 5 years. The Committee recommends maintaining the 5-year limit for MYP contracts due to the greater level of uncertainty in procurements beyond 5 years and the statute’s consistency with the budgetary planning horizon of the Department. The Committee recommendation includes \$1,094,404,000 for the procurement of 12 V-22 aircraft, an increase of 6 aircraft above the budget request, and encourages the Department of the Navy to maintain a stable procurement profile for V-22 in the fiscal year 2019 budget request. The Committee understands that the Navy and Marine Corps would save nearly \$800,000,000 by procuring the aircraft over a 5-year period. As a result, the Committee recommends a unit cost savings of \$72,000,000, which it recommends reinvesting into additional aircraft.

In addition, the Committee understands that the Department of the Navy might request in fiscal year 2019 a new MYP contract for the E-2D program for a period of 6 years. The Committee recommendation includes \$121,626,000 for E-2D advance procurement, an increase of \$19,600,000, to support the procurement of long-lead items for 5 aircraft, instead of 4 aircraft, in fiscal year 2019. The Committee encourages the Department of the Navy to complete the E-2D buy in 5 years beginning in fiscal year 2019.

WEAPONS PROCUREMENT, NAVY

Appropriations, 2017	\$3,265,285,000
Budget estimate, 2018	3,420,107,000
Committee recommendation	3,393,458,000

The Committee recommends an appropriation of \$3,393,458,000. This is \$26,649,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	WEAPONS PROCUREMENT, NAVY						
	BALLISTIC MISSILES						
	MODIFICATION OF MISSILES						
1	TRIDENT II MODS		1,143,595		1,140,987		-2,608
2	SUPPORT EQUIPMENT AND FACILITIES		7,086		7,086		
	MISSILE INDUSTRIAL FACILITIES						
	TOTAL, BALLISTIC MISSILES		1,150,681		1,148,073		-2,608
	OTHER MISSILES						
	STRATEGIC MISSILES						
3	TOMAHAWK	34	134,375	34	134,375		
	TACTICAL MISSILES						
4	AMRAM	120	197,109	120	186,915		-10,194
5	SIDEWINDER	185	79,692	185	78,999		-693
6	JSOW		5,487		5,487		
7	STANDARD MISSILE	117	510,875	117	453,403		-57,472
8	SMALL DIAMETER BOMB II	90	20,968	90	20,968		
9	RAM	60	58,587	120	106,587		+48,000
10	JOINT AIR GROUND MISSILE [JAGM]		3,789		3,789		
13	STAND OFF PRECISION GUIDED MUNITIONS [SOPGM]	19	3,122	19	3,122		
14	AERIAL TARGETS		124,757		124,757		
15	OTHER MISSILE SUPPORT		3,420		3,420		
16	LRASM	25	74,733	25	74,733		
	MODIFICATION OF MISSILES						
17	ESSM	30	74,524	30	74,524		
19	HARPOON MODS		17,300		17,300		
20	HARM MODS		183,368		183,368		
21	STANDARD MISSILES MODS		11,729		11,729		
	SUPPORT EQUIPMENT AND FACILITIES						
22	WEAPONS INDUSTRIAL FACILITIES		4,021		4,021		

23	FLEET SATELLITE COMM FOLLOW-ON					41,540				-4,817
25	ORDNANCE SUPPORT EQUIPMENT					47,159				
	ORDNANCE SUPPORT EQUIPMENT									
	TOTAL, OTHER MISSILES					1,601,372				-25,176
	TORPEDOES AND RELATED EQUIPMENT									
26	TORPEDOES AND RELATED EQUIP					5,240				
27	SSID	17				44,771	17			
28	MK-48 TORPEDO					12,399				
	ASW TARGETS									
	MOD OF TORPEDOES AND RELATED EQUIP					104,044				
29	MK-54 TORPEDO MODS					38,954				-5,300
30	MK-48 TORPEDO ADCAP MODS					10,337				-2,565
31	QUICKSTRIKE MINE									
	SUPPORT EQUIPMENT					70,383				
32	TORPEDO SUPPORT EQUIPMENT					3,864				
33	ASW RANGE SUPPORT									
	DESTINATION TRANSPORTATION					3,961				
34	FIRST DESTINATION TRANSPORTATION									
	TOTAL, TORPEDOES AND RELATED EQUIPMENT					293,953				-7,865
	OTHER WEAPONS									
35	GUNS AND GUN MOUNTS					11,332				
	SMALL ARMS AND WEAPONS									
	MODIFICATION OF GUNS AND GUN MOUNTS					72,698				
36	CWS MODS					38,931				+9,000
37	COAST GUARD WEAPONS					76,025				
38	GUN MOUNT MODS					13,110	110			
39	LCS MODULE WEAPONS	110				34,825				
40	CRUISER MODERNIZATION WEAPONS					16,925				
41	AIRBORNE MINE NEUTRALIZATION SYSTEMS									
	TOTAL, OTHER WEAPONS					263,846				+9,000
43	SPARES AND REPAIR PARTS					110,255				

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, WEAPONS PROCUREMENT, NAVY		3,420,107		3,393,458		- 26,649

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Trident II Mods	1,143,595	1,140,987	- 2,608
	Restoring acquisition accountability: SPALT kits cost growth			- 1,476
	Restoring acquisition accountability: SRM cost growth			- 1,132
4	AMRAAM	197,109	186,915	- 10,194
	Restoring acquisition accountability: Obsolescence up-grade concurrency			- 22,194
	Program increase: Air to air training rounds and CVN magazine alterations			+ 12,000
5	Sidewinder	79,692	78,999	- 693
	Restoring acquisition accountability: AUR and CATM cost growth			- 693
7	Standard Missile	510,875	453,403	- 57,472
	Classified program adjustment			- 57,472
9	RAM	58,587	106,587	+ 48,000
	Program increase: RAM BLK II increase (+ 60 missiles) (From 60 to 120)			+ 48,000
23	Fleet Satellite Comm Follow-On	46,357	41,540	- 4,817
	Restoring acquisition accountability: Ground system cost growth			- 4,817
29	MK-54 Torpedo Mods	104,044	98,744	- 5,300
	Improving funds management: HAWC procurement early to need			- 5,300
31	Quickstrike Mine	10,337	7,772	- 2,565
	Improving funds management: Prior year carryover			- 2,565
37	Coast Guard Weapons	38,931	47,931	+ 9,000
	Program increase: MK110 Gun for NSC 10			+ 9,000

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

Appropriations, 2017	\$633,678,000
Budget estimate, 2018	792,345,000
Committee recommendation	817,495,000

The Committee recommends an appropriation of \$817,495,000. This is \$25,150,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT OF AMMO, NAVY & MARINE CORPS						
	PROC AMMO, NAVY						
	NAVY AMMUNITION						
1	GENERAL PURPOSE BOMBS		34,882		34,882		
2	JDM	2,492	57,343	2,492	57,343		
3	AIRBORNE ROCKETS, ALL TYPES		79,318		76,318		-3,000
4	MACHINE GUN AMMUNITION		14,112		14,112		
5	PRACTICE BOMBS		47,027		43,427		-3,600
6	CARTRIDGES & CART ACTUATED DEVICES		57,718		55,718		-2,000
7	AIR EXPENDABLE COUNTERMEASURES		65,908		65,908		
8	JATOS		2,895		2,895		
10	5 INCH/54 GUN AMMUNITION		22,112		22,112		
11	INTERMEDIATE CALIBER GUN AMMUNITION		12,804		12,804		
12	OTHER SHIP GUN AMMUNITION		41,594		41,594		
13	SMALL ARMS & LANDING PARTY AMMO		49,401		49,401		
14	PYROTECHNIC AND DEMOLITION		9,495		9,495		
16	AMMUNITION LESS THAN \$5 MILLION		3,080		2,930		-150
	TOTAL, PROC AMMO, NAVY		497,689		488,939		-8,750
	PROC AMMO, MARINE CORPS						
	MARINE CORPS AMMUNITION						
20	MORTARS		24,118		49,618		+ 25,500
23	DIRECT SUPPORT MUNITIONS		64,045		59,445		-4,600
24	INFANTRY WEAPONS AMMUNITION		91,456		91,456		
29	COMBAT SUPPORT MUNITIONS		11,788		11,788		
32	AMMO MODERNIZATION		17,862		17,862		
33	ARTILLERY MUNITIONS		79,427		96,427		+ 17,000
34	ITEMS LESS THAN \$5 MILLION		5,960		1,960		-4,000
	TOTAL, PROC AMMO, MARINE CORPS		294,656		328,556		+ 33,900
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS		792,345		817,495		+ 25,150

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
3	Airborne Rockets, All Types	79,318	76,318	- 3,000
	Restoring acquisition accountability: Unit cost discrepancy (APKWS)			- 3,000
5	Practice Bombs	47,027	43,427	- 3,600
	Restoring acquisition accountability: Schedule slips (MK76)			- 3,600
6	Cartridges & Cart Actuated Devices	57,718	55,718	- 2,000
	Improving funds management: Prior year carryover (Misc. Devices)			- 2,000
16	Ammunition Less Than \$5 Million	3,080	2,930	- 150
	Restoring acquisition accountability: Unit cost growth (LUU-19)			- 150
20	Mortars	24,118	49,618	+ 25,500
	Program increase: 60mm full range practice round			+ 11,000
	Program increase: 81mm full range practice round			+ 14,500
23	Direct Support Munitions	64,045	59,445	- 4,600
	Improving funds management: Prior year carryover			- 4,600
33	Artillery Munitions	79,427	96,427	+ 17,000
	Program increase: 155mm HE training round			+ 17,000
34	Items Less Than \$5 Million	5,960	1,960	- 4,000
	Improving funds management: Prior year carryover			- 4,000

SHIPBUILDING AND CONVERSION, NAVY

Appropriations, 2017	\$21,156,886,000
Budget estimate, 2018	20,403,607,000
Committee recommendation	21,816,923,000

The Committee recommends an appropriation of \$21,816,923,000. This is \$1,413,316,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
SHIPBUILDING & CONVERSION, NAVY							
1	FLEET BALLISTIC MISSILE SHIPS						
	OHIO REPLACEMENT SUBMARINE		842,853		842,853		
OTHER WARSHIPS							
2	CARRIER REPLACEMENT PROGRAM	1	1,880,714		1,580,714		-300,000
3	CARRIER REPLACEMENT PROGRAM [AP-CY]		2,561,058		2,561,058		
4	VIRGINIA CLASS SUBMARINE	2	3,305,315		3,480,315		+175,000
5	VIRGINIA CLASS SUBMARINE [AP-CY]		1,920,596		1,920,596		
6	CVN REFUELING OVERHAUL		1,604,890		1,604,890		
7	CVN REFUELING OVERHAULS [AP-CY]		75,897		75,897		
8	DDG 1000		223,968		223,968		
9	DDG-51	2	3,499,079		3,329,079		-170,000
10	DDG-51 [AP-CY]		90,336		90,336		
11	LITTORAL COMBAT SHIP	2	1,136,071		1,136,071		
	TOTAL, OTHER WARSHIPS		16,297,924		16,002,924		-295,000
AMPHIBIOUS SHIPS							
12	AMPHIBIOUS SHIP REPLACEMENT			1	1,000,000		+1,000,000
15	LHA REPLACEMENT		1,710,927		1,710,927		
	TOTAL, AMPHIBIOUS SHIPS		1,710,927		2,710,927		+1,000,000
AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS							
22	EXPEDITIONARY FAST TRANSPORT (EFT)						
18	TAO FLEET OILER	1	465,988		225,000		+225,000
19	TAO FLEET OILER [AP-CY]		75,068		465,988		
20	TOWING, SALVAGE, AND RESCUE SHIP (ATS)	1	76,204		75,068		-1,136
23	LCU 1700	1	31,850				-31,850
23A	T-AGS OCEANOGRAPHIC SURVEY SHIP			1	150,000		+150,000
24	OUTFITTING		548,703		489,073		-59,630
25	SHIP TO SHORE CONNECTOR	3	212,554		524,554		+312,000
26	SERVICE CRAFT		23,994		62,994		+39,000
29	COMPLETION OF PY SHIPBUILDING PROGRAMS		117,542		117,542		

31	POLAR ICEBREAKERS (AP)					150,000		+ 150,000
	TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM		1,551,903			2,260,219		+ 708,316
	TOTAL, SHIPBUILDING & CONVERSION, NAVY		20,403,607			21,816,923		+ 1,413,316

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
2	Carrier Replacement Program	1,880,714	1,580,714	- 300,000
	Improving funds management: Reduction in end cost projection (CVN 80)			- 300,000
4	Virginia Class Submarine	3,305,315	3,480,315	+ 175,000
	Program increase: Industrial base expansion			+ 175,000
9	DDG-51	3,499,079	3,329,079	- 170,000
	Restoring acquisition accountability: AMDR previously funded			- 170,000
12	Amphibious Ship Replacement		1,000,000	+ 1,000,000
	Program increase: Incremental funding for LX-R or LPD-30			+ 1,000,000
17	Expeditionary Fast Transport [EPF]		225,000	+ 225,000
	Program increase: One additional ship			+ 225,000
20	Towing, Salvage, and Rescue Ship (ATS)	76,204		- 76,204
	Improving funds management: Program delays			- 76,204
23	LCU 1700	31,850		- 31,850
	Improving funds management: Program delays			- 31,850
23A	T-AGS Oceanographic Survey Ships		150,000	+ 150,000
	Program increase: T-AGS oceanographic survey ship ...			+ 150,000
24	Outfitting	548,703	489,073	- 59,630
	Improving funds management: Outfitting and post delivery funds early to need			- 59,630
25	Ship to Shore Connector	212,554	524,554	+ 312,000
	Program increase: Additional craft			+ 312,000
26	Service Craft	23,994	62,994	+ 39,000
	Program increase: Berthing Barge to avert production break			+ 39,000
31	Polar Icebreaker		150,000	+ 150,000
	Program increase			+ 150,000

Submarine Industrial Base.—The fiscal year 2018 President’s budget includes \$1,884,500,000 for the Ohio-class replacement program [ORP] and \$5,581,500,000 for the Virginia-class program [VA] in Research, Development, Test and Evaluation, Navy; Shipbuilding and Conversion, Navy; and Other Procurement, Navy. The Committee understands that the budget request fully funds the programs’ respective cost estimates and recommends full funding. Further, the Committee notes that no special acquisition or funding authorities in addition to those previously provided have been requested in the President’s budget or are required in fiscal year 2018.

The Committee notes recent major accomplishments in these programs, including the approval of Milestone B for ORP in November 2016 and award of the ORP Integrated Product and Process Development contract in September 2017. Additionally, significant upcoming milestones include the cut-in to production of the Virginia Payload Module [VPM] in fiscal year 2019 and a planned ten-ship multi-year procurement contract award for the Virginia-class program in fiscal year 2018.

The Committee is aware of several issues that could potentially introduce risk to these programs, including: cost and schedule concerns raised by the shipbuilder regarding the Virginia-class Block V multi-year procurement program; capacity constraints at sub-tier

vendors impacting critical component deliveries; schedule delays in design completions across the enterprise requiring aggressive remedial schedules; vendor oversight issues; loss of schedule margin in certain prototype manufacturing; and consistent manning shortfalls across all submarine programs. The Committee understands that these issues have not yet negatively affected costs and schedules of the ORP and VA programs. However, the Committee is concerned with the accumulation of challenges and encourages the Secretary of the Navy and the Chief of Naval Operations to remain focused on addressing these issues. The Committee recommends an additional \$175,000,000 in Shipbuilding and Conversion, Navy for submarine industrial base expansion in support of Navy efforts to implement action plans to improve readiness assessments of critical suppliers for the ORP and VA shipbuilding enterprise.

DDG 51 Destroyer.—The fiscal year 2018 budget request includes \$3,499,079,000 for the procurement of two DDG–51 Arleigh Burke class Flight III guided missile destroyers. The Committee supports the Department of the Navy’s plans to procure additional DDG–51s, including the request for Multi Year Procurement Authority of up to ten DDGs from fiscal year 2018 to fiscal year 2022 at a cost of \$17,865,433,000, a cost avoidance of \$1,833,209,000 compared to annual pricing. However, the Committee notes that subsequent to the delivery of the fiscal year 2018 budget request, two DDG–51 Flight III ships have gone under contract. The Committee also notes that the Government Accountability Office [GAO] has expressed concerns about the Navy’s limited detail design knowledge to support the current Flight III procurement strategy in GAO report 16–613. Therefore, the Committee directs the Director, Cost Assessment and Program Evaluation, to provide with the fiscal year 2019 budget submission an updated Independent Cost Estimate for the DDG–51 Multi Year Procurement program. This report is also addressed in section 8010 of this bill.

Further, the Secretary of the Navy shall report to the congressional defense committees no later than February 28, 2018, on the multiyear acquisition strategy to include a contracting plan that addresses workload balance, stability and viability for both shipbuilders.

LHA Acceleration.—The fiscal year 2018 President’s budget request includes \$1,710,927,000 for the LHA replacement program to complete construction of LHA 8. The Committee supports the full request for the procurement of LHA 8 but notes with concern that the Department of the Navy’s program of record reflects a seven year planned break in production between LHA 8 and 9. The Committee believes the Navy’s current LHA build plan does not take advantage of the efficiencies and subsequent cost avoidance inherent in maintaining an active industrial base for the amphibious fleet. During the Committee’s fiscal year 2018 budget review of Navy shipbuilding programs, the Navy proposed acceleration of multiple platforms, including various advanced procurement, economic order quantities, industrial base support, and block buy proposals, but did not propose any options for accelerating the procurement of amphibious assault ships to support the Marine Corps amphibious lift requirements. Therefore, the Committee directs the Assistant Secretary of the Navy (Research, Development and Ac-

quisition) to brief the congressional defense committees on the potential cost avoidance accomplished by an accelerated LHA 9 procurement schedule. Further, the Secretary of the Navy, in consultation with the Commandant of the Marine Corps, shall report to the congressional defense committees on the impact of the planned break in production on Marine Corps Amphibious Readiness Group and Marine Expeditionary Unit operations.

OTHER PROCUREMENT, NAVY

Appropriations, 2017	\$6,308,919,000
Budget estimate, 2018	7,902,864,000
Committee recommendation	8,115,384,000

The Committee recommends an appropriation of \$8,115,384,000. This is \$212,520,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, NAVY						
	SHIPS SUPPORT EQUIPMENT						
3	SHIP PROPULSION EQUIPMENT		41,910		41,910		
4	SURFACE POWER EQUIPMENT		6,331				-6,331
	HYBRID ELECTRIC DRIVE (HED)						
5	GENERATORS						
	SURFACE COMBATANT HM&E		27,392		27,392		
6	NAVIGATION EQUIPMENT						
	OTHER NAVIGATION EQUIPMENT		65,943		65,943		
	PERISCOPES						
8	SUB PERISCOPES AND IMAGING SUPPORT EQUIPMENT PROGRAM		151,240		180,240		+29,000
	OTHER SHIPBOARD EQUIPMENT						
9	DDG MOD		603,355		601,980		-1,375
10	FIGHTING EQUIPMENT		15,887		15,887		
11	COMMAND AND CONTROL SWITCHBOARD		2,240		2,240		
12	LHA/LHD MIDLIFE		4,287		4,287		
14	POLLUTION CONTROL EQUIPMENT		17,293		17,293		
15	SUBMARINE SUPPORT EQUIPMENT		27,990		27,990		
16	VIRGINIA CLASS SUPPORT EQUIPMENT		46,610		46,610		
17	LCS CLASS SUPPORT EQUIPMENT		47,955		47,955		
18	SUBMARINE BATTERIES		17,594		22,594		+5,000
19	LPD CLASS SUPPORT EQUIPMENT		61,908		61,908		
21	STRATEGIC PLATFORM SUPPORT EQUIP		15,812		15,812		
22	DSSP EQUIPMENT		4,178		4,178		
23	CRUISER MODERNIZATION		306,050		299,088		-6,962
24	LCAC		5,507		5,507		
25	UNDERWATER EOD PROGRAMS		55,922		55,922		
26	ITEMS LESS THAN \$5 MILLION		96,909		96,909		
27	CHEMICAL WARFARE DETECTORS		3,036		3,036		
28	SUBMARINE LIFE SUPPORT SYSTEM		10,364		5,596		-4,768

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
30	REACTOR PLANT EQUIPMENT		534,468		534,468		
	REACTOR COMPONENTS						
31	OCEAN ENGINEERING		10,619		10,619		
	DIVING AND SALVAGE EQUIPMENT						
32	SMALL BOATS		46,094		46,094		
	STANDARD BOATS						
	PRODUCTION FACILITIES EQUIPMENT						
34	OPERATING FORCES IPE		191,541		187,562		-3,979
	OTHER SHIP SUPPORT						
36	LCS COMMON MISSION MODULES EQUIPMENT		34,666		18,760		-15,906
37	LCS MCM MISSION MODULES		55,870		48,068		-7,802
39	LCS SWW MISSION MODULES		52,960		20,925		-32,035
40	LCS IN-SERVICE MODERNIZATION		74,426		158,426		+ 84,000
	LOGISTICS SUPPORT						
42	LSD MIDLIFE AND MODERNIZATION		75,536		75,536		
	TOTAL, SHIPS SUPPORT EQUIPMENT		2,711,893		2,750,735		+ 38,842
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	SHIP SONARS						
43	SPQ-9B RADAR		20,086		18,993		-1,093
44	AN/SQQ-89 SURF ASW COMBAT SYSTEM		102,222		102,222		
46	SSN ACOUSTICS EQUIPMENT		287,553		314,553		+ 27,000
47	UNDERSEA WARFARE SUPPORT EQUIPMENT		13,653		13,653		
	ASW ELECTRONIC EQUIPMENT						
49	SUBMARINE ACOUSTIC WARFARE SYSTEM		21,449		21,449		
50	SSTD		12,867		12,867		
51	FIXED SURVEILLANCE SYSTEM		300,102		330,102		+ 30,000
52	SURTASS		30,180		40,180		+ 10,000
	ELECTRONIC WARFARE EQUIPMENT						
54	AN/SLO-32		240,433		240,433		

55	RECONNAISSANCE EQUIPMENT	187,007	218,178	.....	.....	+ 31,171
56	SHIPBOARD IW EXPLOIT	510	4,592	.....	.....	+ 4,082
	AUTOMATED IDENTIFICATION SYSTEM (AIS)					
	OTHER SHIP ELECTRONIC EQUIPMENT	23,892	27,892	.....	.....	+ 4,000
58	COOPERATIVE ENGAGEMENT CAPABILITY	10,741	10,741	.....	.....
60	NAVAL TACTICAL COMMAND SUPPORT SYSTEM [NTCSS]	38,016	38,016	.....	.....
61	ATDLS	4,512	4,512	.....	.....
62	NAVY COMMAND AND CONTROL SYSTEM [NCCS]	31,531	59,531	.....	.....	+ 28,000
63	MINESWEEPING SYSTEM REPLACEMENT	8,796	8,796	.....	.....
64	SHALLOW WATER MCM	15,923	15,923	.....	.....
65	NAVSTAR GPS RECEIVERS (SPACE)	2,730	2,730	.....	.....
66	ARMED FORCES RADIO AND TV	6,889	6,889	.....	.....
67	STRATEGIC PLATFORM SUPPORT EQUIP					
	AVIATION ELECTRONIC EQUIPMENT	71,882	71,882	.....	.....
70	ASHORE ATC EQUIPMENT	44,611	44,611	.....	.....
71	AFLAOT ATC EQUIPMENT	21,239	21,239	.....	.....
77	ID SYSTEMS	11,976	12,976	.....	.....	+ 1,000
78	NAVAL MISSION PLANNING SYSTEMS					
	OTHER SHORE ELECTRONIC EQUIPMENT	32,425	32,425	.....	.....
80	TACTICAL/MOBILE C41 SYSTEMS	13,790	13,790	.....	.....
81	DCGS-N	322,754	316,984	.....	.....	- 5,770
82	CANES	10,718	10,718	.....	.....
83	RADIAC	48,028	47,263	.....	.....	- 765
84	CANES-INTELL	6,861	6,861	.....	.....
85	GPETE	8,081	8,081	.....	.....
86	MASF	5,019	5,019	.....	.....
87	INTEG COMBAT SYSTEM TEST FACILITY	4,188	4,188	.....	.....
88	EMI CONTROL INSTRUMENTATION	105,292	112,603	.....	.....	+ 7,311
89	ITEMS LESS THAN \$5 MILLION					
	SHIPBOARD COMMUNICATIONS	23,695	23,695	.....	.....
90	SHIPBOARD TACTICAL COMMUNICATIONS	103,990	97,363	.....	.....	- 6,627
91	SHIP COMMUNICATIONS AUTOMATION	18,577	18,577	.....	.....
92	COMMUNICATIONS ITEMS UNDER \$5M					
	SUBMARINE COMMUNICATIONS	29,669	29,669	.....	.....
93	SUBMARINE BROADCAST SUPPORT	86,204	86,204	.....	.....
94	SUBMARINE COMMUNICATION EQUIPMENT					

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
95	SATELLITE COMMUNICATIONS SYSTEMS		14,654		14,654		
96	SATELLITE COMMUNICATIONS SYSTEMS		69,764		67,371		-2,393
	NAVY MULTIBAND TERMINAL [NMT]						
	SHORE COMMUNICATIONS						
97	JCS COMMUNICATIONS EQUIPMENT		4,256		4,256		
	CRYPTOGRAPHIC EQUIPMENT						
99	INFO SYSTEMS SECURITY PROGRAM [ISSP]		89,663		101,663		+ 12,000
100	MIO INTEL EXPLOITATION TEAM		961		961		
	CRYPTOLOGIC EQUIPMENT						
101	CRYPTOLOGIC COMMUNICATIONS EQUIP		11,287		11,287		
	OTHER ELECTRONIC SUPPORT						
110	COAST GUARD EQUIPMENT		36,584		36,584		
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		2,555,260		2,693,176		+ 137,916
	AVIATION SUPPORT EQUIPMENT						
	SONOBUOYS						
112	SONOBUOYS—ALL TYPES		173,616		173,616		
	AIRCRAFT SUPPORT EQUIPMENT						
113	WEAPONS RANGE SUPPORT EQUIPMENT		72,110		72,110		
114	AIRCRAFT SUPPORT EQUIPMENT		108,482		108,482		
115	ADVANCED ARRESTING GEAR (AAG)		10,900		10,900		
116	METEOROLOGICAL EQUIPMENT		21,137		21,137		
117	OTHER PHOTOGRAPHIC EQUIPMENT (DCRS/DPL)		660		660		
118	AIRBORNE MINE COUNTERMEASURES		20,605		20,605		
119	AVIATION SUPPORT EQUIPMENT		34,032		34,750		+ 718
	TOTAL, AVIATION SUPPORT EQUIPMENT		441,542		442,260		+ 718
	ORDNANCE SUPPORT EQUIPMENT						
	SHIP GUN SYSTEM EQUIPMENT						
120	SHIP GUN SYSTEMS EQUIPMENT		5,277		5,277		

121	SHIP MISSILE SYSTEMS EQUIPMENT	272,359	272,359	272,359	272,359	
122	SHIP MISSILE SUPPORT EQUIPMENT	73,184	73,184	73,184	73,184	
	TOMAHAWK SUPPORT EQUIPMENT					
123	FBM SUPPORT EQUIPMENT	246,221	246,221	246,221	246,221	
	STRATEGIC MISSILE SYSTEMS EQUIP					
	ASW SUPPORT EQUIPMENT					
124	SSN COMBAT CONTROL SYSTEMS	149,972	149,972	149,972	149,972	+ 20,000
125	ASW SUPPORT EQUIPMENT	23,209	23,209	23,209	23,209	
	OTHER ORDNANCE SUPPORT EQUIPMENT					
126	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	15,596	15,596	15,596	15,596	
127	ITEMS LESS THAN \$5 MILLION	5,981	5,981	5,981	5,981	
	OTHER EXPENDABLE ORDNANCE					
128	SUBMARINE TRAINING DEVICE MODS	74,550	74,550	74,550	74,550	
130	SURFACE TRAINING EQUIPMENT	83,022	83,022	80,166	80,166	-2,856
	TOTAL, ORDNANCE SUPPORT EQUIPMENT	929,371	929,371	946,515	946,515	+ 17,144
	CIVIL ENGINEERING SUPPORT EQUIPMENT					
131	PASSENGER CARRYING VEHICLES	5,299	5,299	5,299	5,299	
132	GENERAL PURPOSE TRUCKS	2,946	2,946	2,946	2,946	
133	CONSTRUCTION & MAINTENANCE EQUIP	34,970	34,970	34,970	34,970	
134	FIRE FIGHTING EQUIPMENT	2,541	2,541	2,541	2,541	
135	TACTICAL VEHICLES	19,699	19,699	19,699	19,699	
136	AMPHIBIOUS EQUIPMENT	12,162	12,162	12,162	12,162	
137	POLLUTION CONTROL EQUIPMENT	2,748	2,748	2,748	2,748	
138	ITEMS UNDER \$5 MILLION	18,084	18,084	18,084	18,084	
139	PHYSICAL SECURITY VEHICLES	1,170	1,170	1,170	1,170	
	TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT	99,619	99,619	99,619	99,619	
	SUPPLY SUPPORT EQUIPMENT					
141	SUPPLY EQUIPMENT	21,797	21,797	21,797	21,797	
143	FIRST DESTINATION TRANSPORTATION	5,572	5,572	5,572	5,572	
144	SPECIAL PURPOSE SUPPLY SYSTEMS	482,916	482,916	482,916	482,916	
	TOTAL, SUPPLY SUPPORT EQUIPMENT	510,285	510,285	510,285	510,285	

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PERSONNEL AND COMMAND SUPPORT EQUIPMENT						
	TRAINING DEVICES						
146	TRAINING AND EDUCATION EQUIPMENT		25,624		25,624		
147	COMMAND SUPPORT EQUIPMENT		59,076		57,976		-1,100
149	MEDICAL SUPPORT EQUIPMENT		4,383		4,383		
151	NAVAL MIP SUPPORT EQUIPMENT		2,030		2,030		
152	OPERATING FORCES SUPPORT EQUIPMENT		7,500		7,500		
153	CAISR EQUIPMENT		4,010		4,010		
154	ENVIRONMENTAL SUPPORT EQUIPMENT		23,644		23,644		
155	PHYSICAL SECURITY EQUIPMENT		101,982		120,982		+19,000
156	ENTERPRISE INFORMATION TECHNOLOGY		19,789		19,789		
160	NEXT GENERATION ENTERPRISE SERVICE		104,584		104,584		
	TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT		352,622		370,522		+17,900
161	SPARES AND REPAIR PARTS		278,565		278,565		
	CLASSIFIED PROGRAMS		23,707		23,707		
	TOTAL, OTHER PROCUREMENT, NAVY		7,902,864		8,115,384		+212,520

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
4	Hybrid Electric Drive (HED)	6,331	.....	- 6,331
	Program termination .....	.....	.....	- 6,331
8	Sub Periscope, Imaging and Supt Equip Prog	151,240	180,240	+ 29,000
	Program increase: Submarine warfare federated tactical systems (+ 3 Shipsets) .....	.....	.....	+ 29,000
9	DDG Mod	603,355	601,980	- 1,375
	Program increase .....	.....	.....	+ 3,000
	Restoring acquisition accountability: AWS upgrade kits unit cost growth .....	.....	.....	- 4,375
18	Submarine Batteries	17,594	22,594	+ 5,000
	Program increase .....	.....	.....	+ 5,000
23	CG Modernization	306,050	299,088	- 6,962
	Restoring acquisition accountability: CEC installation cost growth .....	.....	.....	- 1,400
	Restoring acquisition accountability: AN/SQ-89 installation cost growth .....	.....	.....	- 5,562
28	Submarine Life Support System	10,364	5,596	- 4,768
	Restoring acquisition accountability: Low pressure electrolyzer early to need .....	.....	.....	- 4,768
34	Operating Forces Ipe	191,541	187,562	- 3,979
	Restoring acquisition accountability: 25 ton portal cranes unit cost growth .....	.....	.....	- 3,979
36	LCS Common Mission Modules Equipment	34,666	18,760	- 15,906
	Restoring acquisition accountability: Mission package training equipment early to need .....	.....	.....	- 15,906
37	LCS MCM Mission Modules	55,870	48,068	- 7,802
	Restoring acquisition accountability: MCM support equipment and production engineering excess to need .....	.....	.....	- 7,802
39	LCS SUW Mission Modules	52,960	20,925	- 32,035
	Restoring acquisition accountability: Surface-to-surface mission module early to need .....	.....	.....	- 11,631
	Restoring acquisition accountability: Excess gun module and maritime security module ahead of mission package acquisition strategy .....	.....	.....	- 20,404
40	LCS In-Service Modernization	74,426	158,426	+ 84,000
	Program increase: LCS mod for increased lethality and survivability upgrades for 4 ships .....	.....	.....	+ 84,000
43	SPQ-9B Radar	20,086	18,993	- 1,093
	Restoring acquisition accountability: Installation funding early to need .....	.....	.....	- 1,093
46	SSN Acoustic Equipment	287,553	314,553	+ 27,000
	Program increase: Submarine warfare federated tactical systems (+ 3 Shipsets) .....	.....	.....	+ 27,000
51	Fixed Surveillance System	300,102	330,102	+ 30,000
	Program increase .....	.....	.....	+ 30,000
52	SURTASS	30,180	40,180	+ 10,000
	Program increase: SURTASS array increase in PACOM AOR .....	.....	.....	+ 10,000
55	Shipboard IW Exploit	187,007	218,178	+ 31,171
	Program increase: SSEE increment F (+ 3 Systems) and Paragon/Graywing (+ 3 Systems) .....	.....	.....	+ 38,375
	Restoring acquisition accountability: Increment F kit prior year contract savings .....	.....	.....	- 3,952
	Restoring acquisition accountability: Increment F kit cost growth .....	.....	.....	- 3,252
56	Automated Identification System (AIS)	510	4,592	+ 4,082

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Comprehensive review of recent surface warfare incidents—AIS laptop procurement			+ 1,482
	Program increase: Comprehensive review of recent surface warfare incidents—Update existing AIS laptops			+ 2,600
58	Cooperative Engagement Capability	23,892	27,892	+ 4,000
	Program increase: CEC identification friend or foe (IFF) Mode 5 acceleration			+ 4,000
63	Minesweeping System Replacement	31,531	59,531	+ 28,000
	Program increase: Mine countermeasures systems			+ 28,000
78	Naval Mission Planning Systems	11,976	12,976	+ 1,000
	Program increase: Air to air training rounds and CVN magazine alterations			+ 1,000
82	CANES	322,754	316,984	- 5,770
	Improving funds management: Installation early to need			- 5,770
84	CANES—Intell	48,028	47,263	- 765
	Improving funds management: Installation early to need			- 765
89	Items Less Than \$5 Million	105,292	112,603	+ 7,311
	Program increase: Comprehensive review of recent surface warfare incidents—Next generation surface ship radar			+ 7,311
91	Ship Communications Automation	103,990	97,363	- 6,627
	Restoring acquisition accountability: Shore tactical assured command and control cost growth			- 6,627
96	Navy Multiband Terminal [NMT]	69,764	67,371	- 2,393
	Restoring acquisition accountability: Afloat ship kit cost growth			- 2,393
99	Info Systems Security Program [ISSP]	89,663	101,663	+ 12,000
	Program increase: Crypto mod procurement for UHF and narrowband radios to meet NSA mandate			+ 12,000
119	Aviation Support Equipment	34,032	34,750	+ 718
	Program increase: T-45 and F/A-18 physiological episodes funding			+ 2,100
	Restoring acquisition accountability: Joint technical data integration cost growth			- 1,382
124	SSN Combat Control Systems	129,972	149,972	+ 20,000
	Program increase: Submarine warfare federated tactical systems (+ 3 Shipsets)			+ 20,000
130	Surface Training Equipment	83,022	80,166	- 2,856
	Program increase: Comprehensive review of recent surface warfare incidents—Shore-based Bridge trainer improvements			+ 900
	Restoring acquisition accountability: BFTT upgrade kits installation funding ahead of need			- 3,756
147	Command Support Equipment	59,076	57,976	- 1,100
	Program increase: Optionally unmanned hydrographic survey launch			+ 6,000
	Restoring acquisition accountability: Deployable mission support systems unjustified growth			- 7,100
155	Physical Security Equipment	101,982	120,982	+ 19,000
	Program increase: Port security barriers for ship repair facilities			+ 19,000

PROCUREMENT, MARINE CORPS

Appropriations, 2017	\$1,307,456,000
Budget estimate, 2018	2,064,825,000
Committee recommendation	2,093,749,000

The Committee recommends an appropriation of \$2,093,749,000. This is 28,924,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
PROCUREMENT, MARINE CORPS							
WEAPONS AND COMBAT VEHICLES							
TRACKED COMBAT VEHICLES							
1	AAV7A1 PIP	26	107,665		85,362		-22,303
2	AMPHIBIOUS COMBAT VEHICLE I.1		161,511	26	154,878		-6,633
3	LAV PIP		17,244		9,152		-8,092
ARTILLERY AND OTHER WEAPONS							
4	EXPEDITIONARY FIRE SUPPORT SYSTEM		626		626		
5	155MM LIGHTWEIGHT TOWED HOWITZER		20,259		20,259		
6	HIGH MOBILITY ARTILLERY ROCKET SYSTEM		59,943		59,943		
7	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION		19,616		19,616		
8	OTHER SUPPORT MODIFICATION KITS		17,778		17,778		
TOTAL, WEAPONS AND COMBAT VEHICLES							
			404,642		367,614		-37,028
GUIDED MISSILES AND EQUIPMENT							
GUIDED MISSILES							
10	GROUND BASED AIR DEFENSE		9,432		9,432		
11	JAVELIN	222	41,159	222	35,831		-5,328
12	FOLLOW ON TO SMAW		25,125		25,125		
13	ANTI-ARMOR WEAPONS SYSTEM-HEAVY (AAWS-H)		51,553		46,509		-5,044
TOTAL, GUIDED MISSILES AND EQUIPMENT							
			127,269		116,897		-10,372
COMMUNICATIONS AND ELECTRONICS EQUIPMENT							
COMMAND AND CONTROL SYSTEMS							
16	COMMON AVIATION COMMAND AND CONTROL SYS		44,928		44,928		
REPAIR AND TEST EQUIPMENT							
17	REPAIR AND TEST EQUIPMENT		33,056		33,056		

20	COMMAND AND CONTROL								
21	ITEMS UNDER \$5 MILLION (COMM & ELEC)	17,644	18,393					37,844	+20,200
	AIR OPERATIONS C2 SYSTEMS	18,393						18,393	
22	RADAR + EQUIPMENT (NON-TEL)	12,411						12,411	
23	RADAR SYSTEMS	139,167		3		6		239,178	+100,011
24	GROUND/AIR TASK ORIENTED RADAR	77,841		4		4		77,841	
	RQ-21 UAS								
	INTELL/COMM EQUIPMENT (NON-TEL)								
25	GCSS-MC	1,990						1,990	
26	FIRE SUPPORT SYSTEM	22,260						22,260	
27	INTELLIGENCE SUPPORT EQUIPMENT	55,759						55,759	
29	UNMANNED AIR SYSTEMS (INTEL)	10,154						10,154	
30	DCGS-MC	13,462						13,462	
31	UAS PAYLOADS	14,193						12,258	-1,935
	OTHER COMM/ELEC EQUIPMENT (NON-TEL)								
35	NEXT GENERATION ENTERPRISE NETWORK (NGEN)	98,511						98,511	
	OTHER SUPPORT (NON-TEL)								
36	COMMON COMPUTER RESOURCES	66,894						73,998	+7,104
37	COMMAND POST SYSTEMS	186,912						182,547	-4,365
38	RADIO SYSTEMS	34,361						34,361	
39	COMM SWITCHING & CONTROL SYSTEMS	54,615						49,615	-5,000
40	COMM & ELEC INFRASTRUCTURE SUPPORT	44,455						39,455	-5,000
	TOTAL COMMUNICATIONS AND ELECTRONICS EQUIPMENT	947,006						1,058,021	+111,015
	SUPPORT VEHICLES								
	ADMINISTRATIVE VEHICLES								
42	COMMERCIAL CARGO VEHICLES	66,951						61,951	-5,000
	TACTICAL VEHICLES								
43	MOTOR TRANSPORT MODIFICATIONS	21,824						21,824	
44	JOINT LIGHT TACTICAL VEHICLE	233,639		527		527		233,639	
45	FAMILY OF TACTICAL TRAILERS	1,938						1,938	
46	TRAILERS	10,282							-10,282
	TOTAL SUPPORT VEHICLES	334,634						319,352	-15,282

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	ENGINEER AND OTHER EQUIPMENT						
	ENGINEER AND OTHER EQUIPMENT						
48	ENVIRONMENTAL CONTROL EQUIP ASSORT		1,405		1,405		
50	TACTICAL FUEL SYSTEMS		1,788		1,788		
51	POWER EQUIPMENT ASSORTED		9,910		9,910		
52	AMPHIBIOUS SUPPORT EQUIPMENT		5,830		5,830		
53	EOD SYSTEMS		27,240		27,240		
	MATERIALS HANDLING EQUIPMENT						
54	PHYSICAL SECURITY EQUIPMENT		53,477		36,573		- 16,904
	GENERAL PROPERTY						
56	TRAINING DEVICES		76,185		79,080		+2,895
58	FAMILY OF CONSTRUCTION EQUIPMENT		26,286		26,286		
59	FAMILY OF INTERNALLY TRANSPORTABLE VEHICLE (ITV)		1,583		1,583		
	OTHER SUPPORT						
60	ITEMS LESS THAN \$5 MILLION		7,716		7,716		
	TOTAL, ENGINEER AND OTHER EQUIPMENT		211,420		197,411		- 14,009
62	SPARES AND REPAIR PARTS		35,640		30,240		- 5,400
	CLASSIFIED PROGRAMS		4,214		4,214		
	TOTAL, PROCUREMENT, MARINE CORPS		2,064,825		2,093,749		+ 28,924

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	AAV7A1 PIP	107,665	85,362	- 22,303
	Restoring acquisition accountability: Program delays-survivability upgrade			- 22,303
2	Amphibious Combat Vehicle 1.1	161,511	154,878	- 6,633
	Restoring acquisition accountability: Training devices ahead of need			- 1,633
	Maintain program affordability: Excess program management and support			- 5,000
3	LAV PIP	17,244	9,152	- 8,092
	Improving funds management: Forward financing LAV-ATM installations			- 8,092
11	Javelin	41,159	35,831	- 5,328
	Restoring acquisition accountability: Unit cost growth ..			- 5,328
13	Anti-Armor Weapons System-Heavy [AAWS-H]	51,553	46,509	- 5,044
	Restoring acquisition accountability: Unit cost growth ..			- 5,044
20	Items Under \$5 Million (Comm & Elec)	17,644	37,844	+ 20,200
	Program increase: Night optics (INOD) Block III for sniper rifle			+ 20,200
23	Ground/Air Task Oriented Radar [G/ATOR]	139,167	239,178	+ 100,011
	Program increase: G/ATOR system acceleration			+ 95,511
	Program increase: G/ATOR comm equipment group shelters			+ 4,500
31	UAS Payloads	14,193	12,258	- 1,935
	Maintain program affordability: Group 1 unjustified growth			- 1,935
36	Common Computer Resources	66,894	73,998	+ 7,104
	Program increase: Full spectrum cyber ops—deployable mission support systems			+ 7,104
37	Command Post Systems	186,912	182,547	- 4,365
	Restoring acquisition accountability: AN/PRC-117G unit cost adjustment			- 4,365
39	Comm Switching & Control Systems	54,615	49,615	- 5,000
	Improving funds management: Prior year carryover			- 5,000
40	Comm & Elec Infrastructure Support	44,455	39,455	- 5,000
	Improving funds management: Prior year carryover			- 5,000
42	Commercial Cargo Vehicles	66,951	61,951	- 5,000
	Improving funds management: CPD previously funded			- 2,000
	Maintain program affordability: Unjustified growth-commercial passenger vehicles			- 3,000
46	Trailers	10,282		- 10,282
	Maintain program affordability: Unjustified request			- 10,282
54	Physical Security Equipment	53,477	36,573	- 16,904
	Maintain program affordability: Collateral equipment ahead of need			- 16,904
56	Training Devices	76,185	79,080	+ 2,895
	Improving funds management: Prior year carryover			- 3,186
	Maintain program affordability: Ranges and training area management unjustified growth			- 2,798
	Program increase: ITESS-II, force on force training systems			+ 8,879
62	Spares and Repair Parts	35,640	30,240	- 5,400
	Maintain program affordability: Spares ahead of need			- 5,400

Amphibious Combat Vehicle.—The Committee notes the Marine Corps' efforts to modernize its amphibious vehicle fleet through the incremental approach to the Amphibious Combat Vehicle [ACV] program, starting with ACV increment 1.1, which leverages the

previously halted Marine Personnel Carrier [MPC] as the program baseline. Following increment 1.1, the acquisition strategy plans for increment 1.2 to field a ship-to-shore capability, and increment 2.0 will aim to achieve high water speeds. The Committee further notes the recent U.S. Government Accountability Office [GAO] report on ACV acquisition, GAO-17-402, and notes the GAO's recommendation to delay the ACV 1.1 Milestone C decision from June 2018 into first quarter of fiscal year 2019. In making that recommendation, GAO cites concerns over an aggressive test schedule driven by the service's Initial Operational Capability [IOC] date in August 2020, concurrency between testing and production, and a lack of test data with which the Congress can make a fully informed funding decision on the initial Low-Rate Initial Production [LRIP] lot.

The Committee shares some of GAO's concerns, particularly in light of delays in final deliveries of ACV Engineering Development Model [EDM] assets, recent test results, subsequent vehicle modifications, and the resultant potential for future schedule impacts.

Further, despite repeated requests, the Committee was denied access to the Cost Assessment and Program Evaluation's [CAPE] Independent Cost Estimate [ICE] for the ACV program. However, the Committee recognizes the significance of the ACV program within the Marine Corps' overarching Ground Combat Tactical Vehicle Replacement Strategy, the high priority placed on ACV by the Commandant of the Marine Corps, and most importantly, the survivability challenges with legacy platforms in today's threat environment. Therefore, the Committee provides adequate funding to initiate LRIP lot 1, but encourages the Commandant of the Marine Corps to carefully assess the status of the ACV program prior to entrance into Milestone C review and contractor down-select, which has the potential to inform ACV 1.2 cost estimates. Further, the Committee directs the Director, CAPE to provide the updated ICE and the Program Executive Officer Land Systems to provide the updated component cost estimate to the congressional defense committees in advance of the Milestone C review.

Infantry Automatic Rifle [IAR].—In 2008, the U.S Marine Corps competed its IAR program as a partial replacement for the M249 Squad Automatic Weapon [SAW] within infantry squads. That competition led to the M27 IAR being selected with the award of an Indefinite Delivery, Indefinite Quantity [IDIQ] contract worth up to \$23,600,000. In February of 2017, Marine Corps Systems Command [MARCORSYSCOM] issued a Request for Information [RFI] initiating market research efforts in advance of a potential procurement of approximately 11,000 new IARs. In August 2017, MARCORSYSCOM released their intent to solicit and negotiate with a sole source for up to 50,814 IARs. The Committee is concerned that the increase in quantities from the RFI to the notification of intent, may signal a larger shift in the Marine Corps' broader small arms weapon strategy without the support of a validated requirement, established acquisition objective, or a full and open competition to satisfy that requirement. Therefore, the Committee encourages the Deputy Commandant, Combat Development and Integration to clearly articulate their small arms strategy to the congressional defense committees and industry, particularly as it re-

lates to the M27 IAR and its potential to serve as a replacement for the M4 Carbine across the Marine Corps. Further, the Committee directs the Secretary of the Navy that of the funds available in this act, none are available to purchase IARs beyond those required to arm the Ground Combat Element without first providing to the congressional defense committees a report detailing the M27 IAR validated requirement, acquisition strategy, and acquisition objective.

AIRCRAFT PROCUREMENT, AIR FORCE

Appropriations, 2017	\$14,253,623,000
Budget estimate, 2018	15,430,849,000
Committee recommendation	16,189,022,000

The Committee recommends an appropriation of \$16,189,022,000. This is \$758,173,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AIRCRAFT PROCUREMENT, AIR FORCE						
	COMBAT AIRCRAFT						
	TACTICAL FORCES						
1	F-35	46	4,544,684	46	4,406,684		-138,000
2	F-35 (AP-CY)		780,300		900,300		+120,000
3	KC-46A TANKER	15	2,545,674	15	2,412,550		-133,124
	TOTAL, COMBAT AIRCRAFT		7,870,658		7,719,534		-151,124
	AIRLIFT AIRCRAFT						
	OTHER AIRLIFT						
4	C-130J		57,708		159,708		+102,000
6	HC-130J	2	198,502	3	281,502		+83,000
8	MC-130J	5	379,373	13	1,179,373		+800,000
9	MC-130J (AP)		30,000		30,000		
	TOTAL, AIRLIFT AIRCRAFT		665,583		1,650,583		+985,000
	OTHER AIRCRAFT						
	HELICOPTERS						
	MISSION SUPPORT AIRCRAFT						
12	CIVIL AIR PATROL A/C	6	2,695	6	10,600		+7,905
	OTHER AIRCRAFT						
14	TARGET DRONES	42	109,841	42	109,841		
17	MQ-9		117,141		92,141		-25,000
15X	COMPASS CALL				108,173		+108,173
	TOTAL, OTHER AIRCRAFT		229,677		320,755		+91,078
	MODIFICATION OF INSERVICE AIRCRAFT						
	STRATEGIC AIRCRAFT						
18	B-2A		96,727		96,727		

19	B-1B	155,634	121,634	- 34,000
20	B-52	109,295	109,295	
21	LARGE AIRCRAFT INFRARED COUNTERMEASURES	4,046	4,046	
	TACTICAL AIRCRAFT			
22	A-10	6,010	6,010	
23	F-15	417,193	412,843	- 4,350
24	F-16	203,864	203,864	
25	F-22A	161,630	144,830	- 16,800
26	F-22A	15,000	15,000	
27	F-35 MODIFICATIONS	68,270	68,270	
28	INCREMENT 3.2b	105,756	105,756	
30	KC-46A TANKER	6,213	6,213	
	AIRLIFT AIRCRAFT			
31	C-5	36,592	21,742	- 14,850
32	C-5M	6,817	6,817	
33	C-17A	125,522	103,022	- 22,500
34	C-21	13,253	13,253	
35	C-32A	79,449	79,449	
36	C-37A	15,423	15,423	
36	C-130J	10,727	145,423	+ 130,000
	TRAINER AIRCRAFT			
38	GLIDER MODS	136	136	
39	T-1	35,706	35,706	
40	T-1	21,477	21,477	
41	T-38	51,641	51,641	
	OTHER AIRCRAFT			
42	U-2 MODS	36,406	33,406	- 3,000
43	KC-10A (ATCA)	4,243	4,243	
44	C-12	5,846	5,846	
45	VC-25A MOD	52,107	52,107	
46	C-40	31,119	31,119	
47	C-130	66,310	81,310	+ 15,000
48	C130J MODS	171,230	181,957	+ 10,727
49	C-135	69,428	69,428	
50	OC-135B	23,091	23,091	
51	COMPASS CALL MODS	166,541	69,068	- 97,473
52	COMBAT FLIGHT INSPECTION (CFIN)	495	495	
53	RC-135	201,559	204,559	+ 3,000

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
54	E-3		189,772		176,692		-13,080
55	E-4		30,493		25,914		-4,579
56	E-8		13,232		13,232		
57	AIRBORNE WARNING AND CONTROL SYSTEM		164,786		142,886		-21,900
58	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	3	24,716		15,017	-3	-9,699
59	H-1		3,730		3,730		
60	H-60		75,989		75,989		
61	RQ-4 UAV MODS		43,968		83,568		+39,600
62	HC/MC-130 MODIFICATIONS		67,674		62,074		-5,600
63	OTHER AIRCRAFT		59,068		59,068		
65	MQ-9 MODS		264,740		197,540		-67,200
66	CV-22 MODS		60,990		60,990		
	TOTAL, MODIFICATION OF INSERVICE AIRCRAFT		3,573,914		3,446,483		-127,431
67	AIRCRAFT SPARES AND REPAIR PARTS		1,041,569		1,344,219		+302,650
	INITIAL SPARES/REPAIR PARTS		1,041,569		1,344,219		+302,650
	TOTAL, AIRCRAFT SPARES AND REPAIR PARTS		1,041,569		1,344,219		+302,650
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
68	COMMON SUPPORT EQUIPMENT		75,846		75,846		
69	AIRCRAFT REPLACEMENT SUPPORT EQUIP		8,524		8,524		
71	COMMON SUPPORT EQUIPMENT		501		501		
	T-53A TRAINER						
72	POST PRODUCTION SUPPORT		447		447		
73	B-2A		38,509		32,109		-6,400
74	B-52		199		199		
75	C-17A		12,028		12,028		
78	RC-135		29,700		29,700		
79	F-15		20,000		20,000		
80	F-15 POST PRODUCTION SUPPORT		2,524		2,524		
81	F-16 POST PRODUCTION SUPPORT		18,051		8,151		-9,900

82	F-22A	119,566	119,566	.....	.....	.....	.....
83	OTHER AIRCRAFT	85,000	85,000	.....	.....	.....	.....
85	RQ-4 POST PRODUCTION CHARGES	86,695	86,695	.....	.....	.....	.....
86	CV-22 MODS	4,500	4,500	.....	.....	.....	.....
	INDUSTRIAL PREPAREDNESS						
87	INDUSTRIAL PREPAREDNESS	14,739	14,739	.....	.....	.....	.....
88	C-130J	102,000	102,000	.....	.....	.....	-102,000
	WAR CONSUMABLES						
89	WAR CONSUMABLES	37,647	37,647	.....	.....	.....	.....
	OTHER PRODUCTION CHARGES						
90	OTHER PRODUCTION CHARGES	1,339,160	1,127,660	.....	.....	.....	-211,500
92	OTHER AIRCRAFT	600	600	.....	.....	.....	.....
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	1,996,236	1,666,436	.....	.....	.....	-329,800
	CLASSIFIED PROGRAMS	53,212	41,012	.....	.....	.....	-12,200
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE	15,430,849	16,189,022	.....	.....	.....	+758,173

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	F-35	4,544,684	4,406,684	- 138,000
	Improving funds management: Non-recurring cost prior year carryover			- 88,000
	Restoring acquisition accountability: Unit cost savings ..			- 50,000
2	F-35 (AP-CY)	780,300	900,300	+ 120,000
	Program increase: Advance procurement for additional fiscal year 2019 aircraft			+ 120,000
3	KC-46A Tanker	2,545,674	2,412,550	- 133,124
	Improving funds management: Unit cost savings			- 24,750
	Improving funds management: LAIRCM ahead of need ...			- 52,374
	Restoring acquisition accountability: Support equipment excess growth			- 56,000
4	C-130J	57,708	159,708	+ 102,000
	Weapon system trainer—Air Force requested transfer from line 88			+ 102,000
6	HC-130J	198,502	281,502	+ 83,000
	Program increase: One aircraft			+ 100,000
	Restoring acquisition accountability: Excess unit cost growth			- 17,000
8	MC-130J	379,373	1,179,373	+ 800,000
	Program increase: Eight aircraft			+ 800,000
12	Civil Air Patrol A/C	2,695	10,600	+ 7,905
	Program increase			+ 7,905
15x	Compass Call		108,173	+ 108,173
	Second EC-X air vehicle—transfer from line 51			+ 108,173
17	MQ-9	117,141	92,141	- 25,000
	Restoring acquisition accountability: Dual ground control station unit cost growth			- 25,000
19	B-1B	155,634	121,634	- 34,000
	Restoring acquisition accountability: F101 engine SLEP previously funded			- 34,000
23	F-15	417,193	412,843	- 4,350
	Restoring acquisition accountability: APG-82 unit cost growth			- 4,350
25	F-22A	161,630	144,830	- 16,800
	Restoring acquisition accountability: RAMMP installation cost growth			- 11,800
	Improving funds management: Trainers modernization excess growth			- 5,000
31	C-5	36,592	21,742	- 14,850
	Restoring acquisition accountability: CMC and weather radar contract delay			- 14,850
33	C-17A	125,522	103,022	- 22,500
	Restoring acquisition accountability: IFF GATM Mode 5 kit cost growth			- 22,500
36	C-37A	15,423	145,423	+ 130,000
	Program increase: Two aircraft—AF unfunded requirement			+ 130,000
37	C-130J	10,727		- 10,727
	Air Force requested transfer to line 48			- 10,727
42	U-2 Mods	36,406	33,406	- 3,000
	Air Force requested transfer to line 53			- 3,000
47	C-130	66,310	81,310	+ 15,000
	Program increase: C-130H modernization			+ 15,000
48	C-130J Mods	171,230	181,957	+ 10,727
	Air Force requested transfer from line 37			+ 10,727
51	Compass Call Mods	166,541	69,068	- 97,473
	Program increase: EC-X Compass Call Cross Deck-mission and support equipment			+ 24,600

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: EC-130H Compass Call-avionics viability program			+ 10,000
	Restoring acquisition accountability: Third BL3 B kit for EC-X ahead of need			- 23,900
53	RC-135	201,559	204,559	+ 3,000
	Second EC-X air vehicle—transfer to line 15X			- 108,173
	Air Force requested transfer from line 42			+ 3,000
54	E-3	189,772	176,692	- 13,080
	Restoring acquisition accountability: Dragon B kits unit cost growth			- 7,790
	Restoring acquisition accountability: Installation costs ahead of need			- 5,290
55	E-4	30,493	25,914	- 4,579
	Restoring acquisition accountability: LFTS baseline kit unit cost growth			- 4,579
57	Airborne Warning and Control System	164,786	142,886	- 21,900
	Restoring acquisition accountability: Block 40/45 A kits unit cost growth			- 21,900
58	Family of Beyond Line-of-Sight Terminals	24,716	15,017	- 9,699
	Restoring acquisition accountability: Contract delay			- 9,699
61	RQ-4 Mods	43,968	83,568	+ 39,600
	Program increase: Replace RQ-4 tactical field terminal antennas—MIP			+ 39,600
62	HC/MC-130 Modifications	67,674	62,074	- 5,600
	Restoring acquisition accountability: Situational awareness contract delay			- 5,600
65	MQ-9 Mods	264,740	197,540	- 67,200
	Improving funds management: DAS-4 upgrade prior year carryover			- 67,200
67	Initial Spares/Repair Parts	1,041,569	1,344,219	+ 302,650
	Program increase: Improve aircraft readiness			+ 375,000
	Improving funds management: KC-46A spares prior year carryover			- 22,000
	Restoring acquisition accountability: C-17 spares excess to need			- 20,000
	Improving funds management: Prior year carryover			- 30,350
73	B-2a	38,509	32,109	- 6,400
	Improving funds management: Prior year carryover			- 6,400
81	F-16	18,051	8,151	- 9,900
	Improving funds management: Production line shutdown excess to need			- 9,900
88	C-130J	102,000		- 102,000
	Weapon system trainer—Air Force requested transfer to line 4			- 102,000
90	Other Production Charges	1,339,160	1,127,660	- 211,500
	Program increase			+ 5,000
	Classified adjustment			- 216,500
	Classified Programs	53,212	41,012	- 12,200
	Classified adjustment			- 12,200

Air Force Fighter Force Structure.—The Committee is aware that the Air Force is reviewing its future requirements for fighter force structure, which includes a review of fourth and fifth generation capabilities. The Committee is concerned with rumors of possible retirement of certain F-15 airframes or the cancellation of modification plans in future budget submissions. While the Committee is encouraged with the progress of the F-35, the fielding of the Lightning has been slower than planned due to cost and development challenges. This in turn has required investments to keep fourth generation aircraft such as the F-16s and F-15s in the fleet. These investments, supported by Congress, have increased the fly-

ing time and capabilities of these legacy systems. The Committee believes that retirement or cancellation of upgrade plans of legacy fighters should be limited until the Air Force has completed its future needs assessments and provided the congressional defense committees with a strategy that looks beyond the future year’s defense plan. Therefore, the Committee directs the Secretary of the Air Force to provide an update on its fighter force structure plan along with the fiscal year 2019 President’s budget submission.

E-3 Airborne Warning and Control System.—The Committee supports the ongoing efforts by the Air Force to upgrade its fleet of E-3 Airborne Warning and Control System [AWACS] aircraft, which provide battle management, command and control, surveillance, target detection, and tracking capabilities. The Committee encourages the Secretary of the Air Force to fully fund the Block 40/45 and DRAGON modifications to the entire fleet of AWACS aircraft, as planned in the fiscal year 2018 President’s budget request.

Active Electronically Scanned Array Radars.—The Committee recognizes that Active Electronically Scanned Array [AESA] radars significantly improve reliability, maintainability, and supportability as well as operational effectiveness and combat lethality of existing F-16 aircraft. Many of these aircraft are used by the Air National Guard in its Aerospace Control Alert [ACA] mission to defend against and defeat threats to the homeland. The Committee believes that AESA radars bolster the Air National Guard’s ability to carry out its ACA mission and supports their continued procurement to address the U.S. Northern Command Joint Emergent Operational Need.

B-2 Antiskid Control Unit and Braking System.—The Committee notes that the B-2 brake control system is original to the aircraft and overdue for replacement. A large number of the parts of the system as well as the system itself are either obsolete or in very short supply. In particular, some of the printed wiring boards are out of production and cannot readily be replaced. The Committee directs the Secretary of the Air Force to provide a report to the congressional defense committees not later than 180 days after the enactment of this act on the condition of the brake systems and the timeline to either replace the entire brake system or to replace the parts that are no longer available, in short supply, or obsolete.

MISSILE PROCUREMENT, AIR FORCE

Appropriations, 2017	\$2,348,121,000
Budget estimate, 2018	2,296,182,000
Committee recommendation	2,238,828,000

The Committee recommends an appropriation of \$2,238,828,000. This is \$57,354,000 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.	2018 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		99,098		94,744		-4,354
	OTHER MISSILES						
	TACTICAL						
2	JOINT AIR-SURFACE STANDOFF MISSILE (JASSM)	360	441,367	360	433,447		-7,920
3	LONG RANGE ANTI-SHIP MISSILE (LRASM)	15	44,728	15	44,728		
4	SIDEWINDER (AIM-9X)	310	125,350	310	125,350		
5	AMRAAM	205	304,327	205	259,247		-45,080
6	PREDATOR HELFIRE MISSILE	399	34,867	399	34,867		
7	SMALL DIAMETER BOMB	5,039	266,030	5,039	266,030		
	INDUSTRIAL FACILITIES						
8	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION		926		926		
	TOTAL, OTHER MISSILES		1,217,595		1,164,595		-53,000
	MODIFICATION OF INSERVICE MISSILES						
	CLASS IV						
9	ICBM FUZE MOD		6,334		6,334		
10	MM III MODIFICATIONS		80,109		91,109		+11,000
11	AGM-65D MAVERICK		289		289		
13	AIR LAUNCH CRUISE MISSILE		36,425		36,425		
14	SMALL DIAMETER BOMB		14,086		14,086		
	TOTAL, MODIFICATION OF INSERVICE MISSILES		137,243		148,243		+11,000
	SPARES AND REPAIR PARTS						
15	INITIAL SPARES/REPAIR PARTS		101,153		90,153		-11,000
	SPECIAL PROGRAMS						
20	SPECIAL UPDATE PROGRAMS		32,917		32,917		

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	CLASSIFIED PROGRAMS		708,176		708,176		
	TOTAL, MISSILE PROCUREMENT, AIR FORCE		2,296,182		2,238,828		-57,354

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Missile Replacement Eq-Ballistic	99,098	94,744	- 4,354
	Restoring acquisition accountability: TERP unit cost growth			- 2,710
	Restoring acquisition accountability: Support equipment cost growth			- 1,644
2	Joint Air-Surface Standoff Missile	441,367	433,447	- 7,920
	Restoring acquisition accountability: AUR unit cost growth			- 7,920
5	AMRAAM	304,327	259,247	- 45,080
	Improving funds management: Obsolescence upgrade concurrency			- 45,080
10	MM III Modifications	80,109	91,109	+ 11,000
	Program increase: Upgrade Minimum Essential Emergency Communications Network			+ 11,000
15	Initial Spares/Repair Parts	101,153	90,153	- 11,000
	Insufficient budget justification: Poor justification materials			- 11,000

SPACE PROCUREMENT, AIR FORCE

Appropriations, 2017	\$2,733,243,000
Budget estimate, 2018	3,370,775,000
Committee recommendation	3,095,995,000

The Committee recommends an appropriation of \$3,095,995,000. This is \$274,780,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
SPACE PROCUREMENT, AIR FORCE							
SPACE PROGRAMS							
1	ADVANCED EHF		56,974		56,974		
2	AF SATELLITE COMM SYSTEM		57,516		47,516		-10,000
3	COUNTERSPACE SYSTEMS		28,798		28,798		
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS		146,972		101,092		-45,880
5	WIDEBAND GAPPILLER SATELLITES		80,849		75,849		-5,000
6	GPS III SPACE SEGMENT		85,894		85,894		
7	GLOBAL POSITIONING (SPACE)		2,198		2,198		
8	SPACEBORNE EQUIP (COMSEC)		25,048		25,048		
10	MILSATCOM TERMINALS		33,033		33,033		
11	EVOLVED EXPENDABLE LAUNCH VEH CAPABILITY		957,420		905,420		-52,000
12	EVOLVED EXPENDABLE LAUNCH VEH (SPACE)	3	606,488		441,788		-164,700
13	SBIR HIGH (SPACE)		981,009		1,022,809		+41,800
14	SBIR HIGH (SPACE)		132,420		82,420		-50,000
15	NUDET DETECTION SYSTEM SPACE		6,370		6,370		
16	SPACE MODS SPACE		37,203		58,203		+21,000
17	SPACE/LIFT RANGE SYSTEM SPACE		113,874		113,874		
SPARES AND REPAIR PARTS							
18	INITIAL SPARES/REPAIR PARTS		18,709		8,709		-10,000
TOTAL, SPACE PROCUREMENT, AIR FORCE			3,370,775		3,095,995		-274,780

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
2	AF Satellite Comm System	57,516	47,516	-10,000
	Improving funds management: Prior year carryover			-10,000
4	Family of Beyond Line-of-Sight Terminals	146,972	101,092	-45,880
	Restoring acquisition accountability: Schedule slip			-45,880
5	Wideband Gapfiller Satellites (Space)	80,849	75,849	-5,000
	Improving funds management: Prior year carryover			-5,000
11	Evolved Expendable Launch Capability	957,420	905,420	-52,000
	Improving funds management: Excess Forward Financing			-52,000
12	Evolved Expendable Launch Veh (Space)	606,488	441,788	-164,700
	Reduce duplication: Funding in ELC			-134,700
	Maintain program affordability: Unjustified growth mission assurance and SE&I			-30,000
13	SBIR High (Space)	981,009	1,022,809	41,800
	Improving funds management: Excess Forward Financing for launch and checkout			-50,000
	Program increase: SBIRS survivable ground sites			+16,000
	Program increase: SBIRS ground antenna fixed site			+30,900
	Program increase: SBIRS survivable endurable evolution			+44,900
14	SBIR High (Space)	132,420	82,420	-50,000
	Restoring acquisition accountability: Acquisition strategy			-50,000
16	Space Mods	37,203	58,203	+21,000
	Program increase: Enterprise space battle management command and control			+21,000
18	Initial Spares/Repair Parts	18,709	8,709	-10,000
	Improving funds management: Prior year carryover			-10,000

Space Based Infrared System.—The fiscal year 2018 President’s budget request includes \$132,420,000 for advanced procurement for Space Based Infrared System [SBIRS] vehicles 7/8, yet the Air Force has indicated that it is still studying options for fulfilling future Overhead Persistent Infrared requirements that would include modifications to SBIRS 7/8. While the Committee understands the need for resiliency upgrades, payload modernization, and other potential enhancements to the SBIRS vehicles, the Committee notes the rapidly approaching need for SBIRS 7/8 and seeks to ensure that the overall health and safety of the SBIRS constellation not be compromised as the Air Force studies the future of the program. Because the planned execution timeline is delayed and undefined, the Committee recommends \$84,420,000 for SBIRS advanced procurement, a reduction of \$50,000,000. The Committee directs that remaining advanced procurement funds be executed as proposed in the budget request, and designates the program a congressional special interest item for reprogramming purposes.

PROCUREMENT OF AMMUNITION, AIR FORCE

Appropriations, 2017	\$1,589,219,000
Budget estimate, 2018	1,376,602,000
Committee recommendation	1,318,602,000

The Committee recommends an appropriation of \$1,318,602,000. This is \$58,000,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
4	General Purpose Bombs	329,501	291,501	- 38,000
	Restoring acquisition accountability: Acquisition strategy (GBU-49) .....	.....	.....	- 36,000
	Improving funds management: Prior year carryover .....	.....	.....	- 2,000
15	Flares	143,983	123,983	- 20,000
	Improving funds management: Prior year carryover .....	.....	.....	- 20,000

OTHER PROCUREMENT, AIR FORCE

Appropriations, 2017	\$17,768,224,000
Budget estimate, 2018	19,603,497,000
Committee recommendation	20,334,550,000

The Committee recommends an appropriation of \$20,334,550,000. This is \$731,053,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, AIR FORCE						
	VEHICULAR EQUIPMENT						
	PASSENGER CARRYING VEHICLES						
1	PASSENGER CARRYING VEHICLE		15,651		15,651		
2	CARGO + UTILITY VEHICLES		54,607		38,251		-16,356
3	FAMILY MEDIUM TACTICAL VEHICLE		1,011		1,700		+689
4	CAP VEHICLES		28,670		28,670		
	ITEMS LESS THAN \$5M (CARGO)						
5	SPECIAL PURPOSE VEHICLES		59,398		50,180		-9,218
6	SECURITY AND TACTICAL VEHICLES		19,784		19,784		
	ITEMS LESS THAN \$5M (SPECIAL)						
7	FIRE FIGHTING EQUIPMENT		14,768		14,768		
	FIRE FIGHTING/CRASH RESCUE VEHICLES						
8	MATERIALS HANDLING EQUIPMENT		13,561		13,561		
	ITEMS LESS THAN \$5,000,000						
9	BASE MAINTENANCE SUPPORT		3,429		3,429		
10	RUNWAY SNOW REMOVAL & CLEANING EQUIP		60,075		60,075		
	ITEMS LESS THAN \$5M						
	TOTAL, VEHICULAR EQUIPMENT		270,954		246,069		-24,885
	ELECTRONICS AND TELECOMMUNICATIONS EQUIP						
11	COMM SECURITY EQUIPMENT(COMSEC)		115,000		106,681		-8,319
	COMSEC EQUIPMENT						
13	INTELLIGENCE PROGRAMS		22,335		16,335		-6,000
14	INTERNATIONAL INTEL TECH AND ARCHITECTURES		5,892		5,892		
15	INTELLIGENCE TRAINING EQUIPMENT		34,072		34,072		
	INTELLIGENCE COMM EQUIP						
	ELECTRONICS PROGRAMS		66,143		18,803		-47,340
16	TRAFFIC CONTROL/LANDING						

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
17	NATIONAL AIRSPACE SYSTEM		12,641		12,641		
18	BATTLE CONTROL SYSTEM—FIXED		6,415		6,415		
19	THEATER AIR CONTROL SYS IMPRO		23,233		23,233		
20	WEATHER OBSERVATION FORECAST		40,116		40,116		
21	STRATEGIC COMMAND AND CONTROL		72,810		72,810		
22	CHEYENNE MOUNTAIN COMPLEX		9,864		9,864		
23	MISSION PLANNING SYSTEMS		15,486		15,486		
25	INTEGRATED STRAT PLAN AND ANALY NETWORK (ISPAN)		9,187		9,187		
	SPECIAL COMM-ELECTRONICS PROJECTS						
26	GENERAL INFORMATION TECHNOLOGY		51,826		54,626		+2,800
27	AF GLOBAL COMMAND & CONTROL SYSTEM		3,634		3,634		
28	MOBILITY COMMAND AND CONTROL		10,083		10,083		
29	AIR FORCE PHYSICAL SECURITY SYSTEM		201,866		191,866		-10,000
30	COMBAT TRAINING RANGES		115,198		77,242		-37,956
31	MINIMUM ESSENTIAL EMERGENCY COMM N		292				-292
32	WIDE AREA SURVEILLANCE (WAS)		62,087		62,087		
33	C3 COUNTERMEASURES		37,764		37,764		
34	GSSS-AF FOS		2,826		1,426		-1,400
35	DEFENSE ENTERPRISE ACCOUNTING AND MGMT		1,514				-1,514
36	THEATER BATTLE MGT C2 SYS		9,646		9,646		
37	AIR AND SPACE OPERATIONS CTR-WPN SYSTEM		25,533		25,533		
	AIR FORCE COMMUNICATIONS						
40	INFORMATION TRANSPORT SYSTEMS		28,159		28,159		
41	AFNET		160,820		270,820		+110,000
42	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)		5,135		5,135		
43	USCENTCOM		18,719		18,719		
	ORGANIZATION AND BASE						
44	TACTICAL C-E EQUIPMENT		123,206		123,206		
45	COMBAT SURVIVOR EVADER LOCATER		3,004		3,004		
46	RADIO EQUIPMENT		15,736		15,736		
47	CCTV/AUDIOVISUAL EQUIPMENT		5,480		3,480		-2,000
48	BASE COMM INFRASTRUCTURE		130,539		130,539		

49	MODIFICATIONS COMM ELECT MODS	70,798	70,798	70,798	.....	.....	.....	.....
	TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP	1,517,059	1,515,038	1,515,038	.....	.....	-2,021	.....
	OTHER BASE MAINTENANCE AND SUPPORT EQUIP							
51	PERSONAL SAFETY AND RESCUE EQUIP	52,964	131,664	131,664	.....	.....	+ 78,700	.....
	ITEMS LESS THAN \$5,000,000 (SAFETY)							
52	DEPOT PLANT + MATERIALS HANDLING EQ	10,381	8,576	8,576	.....	.....	-1,805	.....
	MECHANIZED MATERIAL HANDLING							
	BASE SUPPORT EQUIPMENT							
53	BASE PROCURED EQUIPMENT	15,038	7,038	7,038	.....	.....	-8,000	.....
54	ENGINEERING AND EOD EQUIPMENT	26,287	26,287	26,287	.....	.....		.....
55	MOBILITY EQUIPMENT	8,470	45,150	45,150	.....	.....	+ 36,680	.....
56	ITEMS LESS THAN \$5M (BASE SUPPORT)	28,768	28,768	28,768	.....	.....		.....
	SPECIAL SUPPORT PROJECTS							
58	DARP RC135	25,985	25,985	25,985	.....	.....		.....
59	DISTRIBUTED GROUND SYSTEMS	178,423	259,723	259,723	.....	.....	+ 81,300	.....
61	SPECIAL UPDATE PROGRAM	840,980	840,980	840,980	.....	.....		.....
	TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP	1,187,296	1,374,171	1,374,171	.....	.....	+ 186,875	.....
72	SPARE AND REPAIR PARTS	26,675	17,381	17,381	.....	.....	-9,294	.....
	CLASSIFIED PROGRAMS	16,601,513	17,181,891	17,181,891	.....	.....	+ 580,378	.....
	TOTAL, OTHER PROCUREMENT, AIR FORCE	19,603,497	20,334,550	20,334,550	.....	.....	+ 731,053	.....

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
2	Family Medium Tactical Vehicle	54,607	38,251	-16,356
	Restoring acquisition accountability: Unit cost adjustments			-6,356
	Improving funds management: Priority year carryover			-10,000
3	Cap Vehicles	1,011	1,700	+689
	Program increase			+689
5	Security And Tactical Vehicles	59,398	50,180	-9,218
	Restoring acquisition accountability: JLTV unit cost adjustments			-9,218
11	Comsec Equipment	115,000	106,681	-8,319
	Improving funds management: KMI last mile previously funded			-8,319
13	International Intel Tech & Architectures	22,335	16,335	-6,000
	Transfer: Air Force-requested to RDAF line 269			-6,000
16	Air Traffic Control & Landing Sys	66,143	18,803	-47,340
	Restoring acquisition accountability: D-ILS support costs			-4,038
	Restoring acquisition accountability: D-RAPCON program delay			-43,302
26	General Information Technology	51,826	54,626	+2,800
	Program increase: AFSPC cyber request for CMF initial skills training pipeline			+2,800
29	Air Force Physical Security System	201,866	191,866	-10,000
	Improving funds management: Prior year carryover			-10,000
30	Combat Training Ranges	115,198	77,242	-37,956
	Restoring acquisition accountability: JTE unit cost savings			-2,500
	Restoring acquisition accountability: JTE unit cost adjustments			-2,456
	Restoring acquisition accountability: Range equipment ahead of need			-33,000
31	Minimum Essential Emergency Comm N	292		-292
	Improving funds management: Ahead of need			-292
34	GCSS-AF FoS	2,826	1,426	-1,400
	Improving funds management: Prior year carryover			-1,400
35	Defense Enterprise Accounting and Mgmt System	1,514		-1,514
	Improving funds management: Prior year carryover			-1,514
41	AFNET	160,820	270,820	+110,000
	Program increase: ARAD enterprise software—NIPRnet ..			+18,000
	Program increase: ARAD enterprise software—SIPRnet ...			+8,000
	Program increase: AF SIPR Enterprise in support of MAJCOMs			+84,000
47	CCTV/Audiovisual Equipment	5,480	3,480	-2,000
	Improving funds management: Prior year carryover			-2,000
51	Items Less Than \$5 Million (Safety)	52,964	131,664	+78,700
	Improving funds management: Prior year carryover			-5,000
	Program increase: Battlefield airman combat equipment—Air National Guard			+79,400
	Program increase: Battlefield airman combat equipment—Air Force Reserve			+4,300
52	Mechanized Material Handling Equip	10,381	8,576	-1,805
	Restoring acquisition accountability: Pricing adjustments			-1,805
53	Base Procured Equipment	15,038	7,038	-8,000
	Maintain program affordability: Unjustified PMA growth			-8,000
55	Mobility Equipment	8,470	45,150	+36,680
	Program increase: Set the theater-base expeditionary airfield resources—PACOM			+36,680
59	DCGS-AF	178,423	259,723	+81,300
	Program increase			+81,300
72	Spares and Repair Parts	26,675	17,381	-9,294

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Improving funds management: JTE spares ahead of need	.....	.....	- 8,000
	Restoring acquisition accountability: D-RAPCON program delay	.....	.....	- 1,294
999	Classified Programs	16,601,513	17,181,891	+ 580,378
	Classified adjustment	.....	.....	+ 580,378

Basic Expeditionary Airfield Resources Energy Efficiency.—The Committee notes that providing adequate living conditions ensures that deployed forces are more combat effective. Therefore, the Committee encourages the Secretary of the Air Force to leverage existing technologies, such as reusable and re-deployable insulation systems, in order to reduce logistics and sustainment costs associated with shelters in the Basic Expeditionary Airfield Resources [BEAR] program.

PROCUREMENT, DEFENSE-WIDE

Appropriations, 2017	\$4,881,022,000
Budget estimate, 2018	4,835,418,000
Committee recommendation	4,866,966,000

The Committee recommends an appropriation of \$4,866,966,000. This is \$31,548,000 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT, DEFENSE-WIDE						
	MAJOR EQUIPMENT						
1	MAJOR EQUIPMENT, DCAA MAJOR EQUIPMENT ITEMS LESS THAN \$5M		1,475		1,475		
2	MAJOR EQUIPMENT, DCMA		4,347		4,347		
3	MAJOR EQUIPMENT, DHRA PERSONNEL ADMINISTRATION		14,588		14,588		
7	MAJOR EQUIPMENT, DISA INFORMATION SYSTEMS SECURITY		24,805		24,805		
8	TELEPORT PROGRAM		46,638		46,638		
9	ITEMS LESS THAN \$5M		15,541		15,541		
10	NET CENTRIC ENTERPRISE SERVICES (NCES)		1,161		1,161		
11	DEFENSE INFORMATION SYSTEMS NETWORK		126,345		126,345		
12	CYBER SECURITY INITIATIVE		1,817		1,817		
13	WHITE HOUSE COMMUNICATION AGENCY		45,243		45,243		
14	SENIOR LEADERSHIP ENTERPRISE		294,139		94,139		-200,000
16	JOINT REGIONAL SECURITY STACKS (JRSS)		188,483		168,483		-20,000
17	JOINT SERVICE PROVIDER		100,783		80,974		-19,809
19	MAJOR EQUIPMENT, DLA		2,951		2,951		
20	MAJOR EQUIPMENT, DDMACT A—WEAPON SYSTEM COST	3	13,464	3	13,464		
21	MAJOR EQUIPMENT, DODEA AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS		1,910		1,910		
23	MAJOR EQUIPMENT		1,073		1,073		
25	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY VEHICLES		204		204		
26	OTHER MAJOR EQUIPMENT		12,363		12,363		

[Dollars in thousands]

Line	Item	Qty.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
63	AMMUNITION PROGRAMS		112,331		112,331		
	SOF ORDNANCE ITEMS UNDER \$5,000,000						
	OTHER PROCUREMENT PROGRAMS						
64	SOF INTELLIGENCE SYSTEMS		82,538		82,538		
65	DCGS-SOF		11,042		11,042		
66	OTHER ITEMS UNDER \$5,000,000		54,992		49,498		-5,094
67	SOF COMBATANT CRAFT SYSTEMS		23,272		40,772		+17,500
68	SPECIAL PROGRAMS		16,053		16,053		
69	TACTICAL VEHICLES		63,304		63,304		
70	WARRIOR SYSTEMS UNDER \$5,000,000		252,070		254,770		+2,700
71	COMBAT MISSION REQUIREMENTS		19,570		19,570		
72	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES		3,589		3,589		
73	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE		17,953		17,953		
75	SOF OPERATIONAL ENHANCEMENTS		241,429		258,954		+17,525
	TOTAL, SPECIAL OPERATIONS COMMAND		1,762,197		1,715,866		-46,331
	CHEMICAL/BIOLOGICAL DEFENSE						
76	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS		135,031		119,470		-15,561
77	CB PROTECTION AND HAZARD MITIGATION		141,027		127,429		-13,598
	TOTAL, CHEMICAL/BIOLOGICAL DEFENSE		276,058		246,899		-29,159
	CLASSIFIED PROGRAMS		657,759		580,559		-77,200
	TOTAL, PROCUREMENT, DEFENSE-WIDE		4,835,418		4,866,966		+31,548

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
14	Senior Leadership Enterprise	294,139	94,139	-200,000
	Insufficient Budget Justification: Unjustified request ..			-200,000
16	Joint Regional Security Stacks (JRSS)	188,483	168,483	-20,000
	Improving funds management: Break and Inspect previously funded			-20,000
17	Joint Service Provider	100,783	80,974	-19,809
	Maintain program affordability: Unjustified transfer of PRMRF capital equipment			-19,809
27	THAAD	451,592	489,392	+37,800
	Program increase: THAAD/Patriot JEON Phase I-III			+37,800
28	Aegis BMD	425,018	536,265	+111,247
	Transfer: SM-3 IIA interceptors-transfer from RDDW for AUR full funding			+41,247
	Program increase: Fully fund 4 SM-3 Block IIA AUR ..			+70,000
31	Arrow Weapon System		120,000	+120,000
	Program increase: Arrow 3 Weapon System Co-production			+120,000
32	David's Sling Weapon System		120,000	+120,000
	Program increase: David's Sling Weapon System Co-production			+120,000
34	Iron Dome	42,000	92,000	+50,000
	Program increase: Iron Dome Tamir Interceptors Co-production			+50,000
42	Major Equipment, OSD	36,999	21,999	-15,000
	Improving funds management: Forward financing			-15,000
49	Rotary Wing Upgrades and Sustainment	158,988	131,033	-27,955
	Transfer: SOCOM requested transfer to RDDW line 251			-7,500
	Transfer: SOCOM requested transfer to RDDW line 251			-6,000
	Restoring acquisition accountability: Degraded visual environment acquisition strategy			-5,700
	Restoring acquisition accountability: A/MH-6 block 3.0 upgrade-support costs ahead of need			-8,755
60	AC/MC-130J	179,934	151,754	-28,180
	Restoring acquisition accountability: Radio frequency countermeasures schedule adjustment			-28,180
61	C-130 Modifications	28,059	23,662	-4,397
	Improving funds management: RAMS ahead of need ..			-4,397
62	Underwater Systems	92,606	74,176	-18,430
	Transfer: SOCOM requested transfer to RDDW line 258			-12,800
	Restoring acquisition accountability: Shallow water combat submersible schedule adjustments			-5,630
66	Other Items <\$5M	54,592	49,498	-5,094
	Improving funds management: Collateral equipment ahead of need			-5,094
67	Combatant Craft Systems	23,272	40,772	+17,500
	Program increase: Maritime systems			+17,500
70	Warrior Systems <\$5M	252,070	254,770	+2,700
	Program increase: Weapons optics			+2,700
75	Operational Enhancements	241,429	258,954	+17,525
	Program increase: Joint Task Force Platform Expansion—outfit OCONUS facility w/ C4I infrastructure			+15,900
	Program increase: Data storage and bulk data scraping servers for PAI data			+1,625
76	Chemical Biological Situational Awareness	135,031	119,470	-15,561
	Restoring acquisition accountability: Program adjustments-CBRN DRS			-13,361
	Improving funds management: Prior year carryover-CALS fielding support			-2,200
77	CB Protection & Hazard Mitigation	141,027	127,429	-13,598

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: Contract delays-GPD			- 3,892
	Restoring acquisition accountability: Contract delays-JSAM			- 9,706
999	Classified Programs	657,759	580,559	- 77,200
	Classified adjustment			- 77,200

DEFENSE PRODUCTION ACT PURCHASES

Appropriations, 2017	\$64,065,000
Budget estimate, 2018	37,401,000
Committee recommendation	37,401,000

The Committee recommends an appropriation of \$37,401,000. 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
1	DEFENSE PRODUCTION ACT PURCHASES		37,401		37,401		
	TOTAL, DEFENSE PRODUCTION ACT PURCHASES		37,401		37,401		

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 2018 budget requests a total of \$82,691,636,000 for research, development, test and evaluation appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends research, development, test and evaluation appropriations totaling \$85,967,322,000 for fiscal year 2018. This is \$3,275,686,000 above the budget estimate.

Committee recommended research, development, test and evaluation appropriations for fiscal year 2018 are summarized below:

SUMMARY OF RESEARCH, DEVELOPMENT, TEST AND EVALUATION APPROPRIATIONS

[In thousands of dollars]

Account	2018 budget estimate	Committee recommendation	Change from budget estimate
Research, Development, Test and Evaluation:			
Research, Development, Test and Evaluation, Army	9,425,440	9,860,343	+ 434,903
Research, Development, Test and Evaluation, Navy	17,650,035	17,628,000	- 22,035
Research, Development, Test and Evaluation, Air Force	34,914,359	36,587,419	+ 1,673,060
Research, Development, Test and Evaluation, Defense-Wide	20,490,902	21,680,660	+ 1,189,758
Operational Test and Evaluation, Defense	210,900	210,900	.....
Total	82,691,636	85,967,322	+ 3,275,686

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

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, 2017	\$8,332,965,000
Budget estimate, 2018	9,425,440,000
Committee recommendation	9,860,343,000

The Committee recommends an appropriation of \$9,860,343,000. This is \$434,903,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY			
	BASIC RESEARCH			
1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	12,010	12,010	.....
2	DEFENSE RESEARCH SCIENCES	263,590	273,590	+ 10,000
3	UNIVERSITY RESEARCH INITIATIVES	67,027	67,027	.....
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	87,395	102,395	+ 15,000
	TOTAL, BASIC RESEARCH	430,022	455,022	+ 25,000
	APPLIED RESEARCH			
5	MATERIALS TECHNOLOGY	29,640	58,640	+ 29,000
6	SENSORS AND ELECTRONIC SURVIVABILITY	35,730	81,230	+ 45,500
7	TRACTOR HIP	8,627	8,627	.....
8	AVIATION TECHNOLOGY	66,086	73,586	+ 7,500
9	ELECTRONIC WARFARE TECHNOLOGY	27,144	34,144	+ 7,000
10	MISSILE TECHNOLOGY	43,742	53,742	+ 10,000
11	ADVANCED WEAPONS TECHNOLOGY	22,785	27,785	+ 5,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
12	ADVANCED CONCEPTS AND SIMULATION	28,650	28,650	.....
13	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	67,232	77,232	+ 10,000
14	BALLISTICS TECHNOLOGY	85,309	85,309	.....
15	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY ...	4,004	4,004	.....
16	JOINT SERVICE SMALL ARMS PROGRAM	5,615	5,615	.....
17	WEAPONS AND MUNITIONS TECHNOLOGY	41,455	76,455	+ 35,000
18	ELECTRONICS AND ELECTRONIC DEVICES	58,352	84,352	+ 26,000
19	NIGHT VISION TECHNOLOGY	34,723	34,723	.....
20	COUNTERMINE SYSTEMS	26,190	26,190	.....
21	HUMAN FACTORS ENGINEERING TECHNOLOGY	24,127	24,127	.....
22	ENVIRONMENTAL QUALITY TECHNOLOGY	21,678	34,678	+ 13,000
23	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	33,123	33,123	.....
24	COMPUTER AND SOFTWARE TECHNOLOGY	14,041	14,041	.....
25	MILITARY ENGINEERING TECHNOLOGY	67,720	104,920	+ 37,200
26	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	20,216	20,216	.....
27	WARFIGHTER TECHNOLOGY	39,559	44,559	+ 5,000
28	MEDICAL TECHNOLOGY	83,434	83,434	.....
	TOTAL, APPLIED RESEARCH	889,182	1,119,382	+ 230,200
	ADVANCED TECHNOLOGY DEVELOPMENT			
29	WARFIGHTER ADVANCED TECHNOLOGY	44,863	53,363	+ 8,500
30	MEDICAL ADVANCED TECHNOLOGY	67,780	75,780	+ 8,000
31	AVIATION ADVANCED TECHNOLOGY	160,746	165,746	+ 5,000
32	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	84,079	107,079	+ 23,000
33	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY ...	125,537	150,537	+ 25,000
34	SPACE APPLICATION ADVANCED TECHNOLOGY	12,231	39,731	+ 27,500
35	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	6,466	6,466	.....
36	TRACTOR HIKE	28,552	28,552	.....
37	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	16,434	16,434	.....
39	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT	26,903	43,903	+ 17,000
40	TRACTOR NAIL	4,880	4,880	.....
41	TRACTOR EGGS	4,326	4,326	.....
42	ELECTRONIC WARFARE TECHNOLOGY	31,296	34,296	+ 3,000
43	MISSILE AND ROCKET ADVANCED TECHNOLOGY	62,850	117,850	+ 55,000
44	TRACTOR CAGE	12,323	12,323	.....
45	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM ...	182,331	221,331	+ 39,000
46	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	17,948	18,948	+ 1,000
47	JOINT SERVICE SMALL ARMS PROGRAM	5,796	5,796	.....
48	NIGHT VISION ADVANCED TECHNOLOGY	47,135	47,135	.....
49	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	10,421	29,421	+ 19,000
50	MILITARY ENGINEERING ADVANCED TECHNOLOGY	32,448	94,648	+ 62,200
51	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	52,206	52,206	.....
52	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY	33,426	33,426	.....
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	1,070,977	1,364,177	+ 293,200
	DEMONSTRATION & VALIDATION			
53	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	9,634	23,634	+ 14,000
55	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	33,949	35,949	+ 2,000
56	LANDMINE WARFARE AND BARRIER—ADV DEV	72,909	72,909	.....
57	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	7,135	7,135	.....
58	TANK AND MEDIUM CALIBER AMMUNITION	41,452	41,902	+ 450
59	ARMORED SYSTEM MODERNIZATION—ADV DEV	32,739	42,739	+ 10,000
60	SOLDIER SUPPORT AND SURVIVABILITY	10,157	10,157	.....
61	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—AD	27,733	27,733	.....
62	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	12,347	10,947	- 1,400
63	ENVIRONMENTAL QUALITY TECHNOLOGY	10,456	10,456	.....
64	NATO RESEARCH AND DEVELOPMENT	2,588	2,588	.....
65	AVIATION—ADV DEV	14,055	10,055	- 4,000
66	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	35,333	30,833	- 4,500
67	MEDICAL SYSTEMS—ADV DEV	33,491	35,491	+ 2,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
68	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	20,239	40,239	+ 20,000
69	ROBOTICS DEVELOPMENT	39,608	39,608	.....
70	ANALYSIS OF ALTERNATIVES	9,921	9,921	.....
71	LOWER TIER AIR MISSILE DEFENSE (LTAMID) SENSOR	76,728	59,828	– 16,900
72	TECHNOLOGY MATURATION INITIATIVES	115,221	150,221	+ 35,000
73	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD)	20,000	.....	– 20,000
74	TRACTOR BEAM	10,400	10,400	.....
75	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	164,967	134,967	– 30,000
76	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT AND PROTOTYPING	1,600	1,600	.....
77	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2-INTERC	11,303	11,303	.....
78	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	56,492	56,492	.....
79	ARMY SPACE SYSTEMS INTEGRATION	20,432	20,432	.....
	TOTAL, DEMONSTRATION & VALIDATION	890,889	897,539	+ 6,650
	ENGINEERING & MANUFACTURING DEVELOPMENT			
80	AIRCRAFT AVIONICS	30,153	30,153	.....
81	ELECTRONIC WARFARE DEVELOPMENT	71,671	71,671	.....
83	MID-TIER NETWORKING VEHICULAR RADIO	10,589	.....	– 10,589
84	ALL SOURCE ANALYSIS SYSTEM	4,774	4,774	.....
85	TRACTOR CAGE	17,252	30,252	+ 13,000
86	INFANTRY SUPPORT WEAPONS	87,643	91,992	+ 4,349
87	MEDIUM TACTICAL VEHICLES	6,039	6,039	.....
88	JAVELIN	21,095	21,095	.....
89	FAMILY OF HEAVY TACTICAL VEHICLES	10,507	10,507	.....
90	AIR TRAFFIC CONTROL	3,536	3,536	.....
92	LIGHT TACTICAL WHEELED VEHICLES	7,000	7,000	.....
93	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV	36,242	36,242	.....
94	NIGHT VISION SYSTEMS—SDD	108,504	126,004	+ 17,500
95	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	3,702	8,702	+ 5,000
96	NON-SYSTEM TRAINING DEVICES—SDD	43,575	53,575	+ 10,000
97	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -SDD	28,726	36,726	+ 8,000
98	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	18,562	18,562	.....
99	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	8,344	8,344	.....
100	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—SDD	11,270	11,270	.....
101	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)	10,000	10,000	.....
102	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	18,566	18,566	.....
103	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	145,360	145,360	.....
104	WEAPONS AND MUNITIONS—SDD	145,232	149,410	+ 4,178
105	LOGISTICS AND ENGINEER EQUIPMENT—SDD	90,965	91,023	+ 58
106	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—SDD	9,910	9,910	.....
107	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	39,238	39,238	.....
108	LANDMINE WARFARE/BARRIER—SDD	34,684	25,884	– 8,800
109	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	164,409	162,909	– 1,500
110	RADAR DEVELOPMENT	32,968	32,968	.....
111	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBs)	49,554	49,554	.....
112	FIREFINDER	45,605	45,605	.....
113	SOLDIER SYSTEMS—WARRIOR DEM/VAL	16,127	16,127	.....
114	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS -EMD	98,600	92,900	– 5,700
115	ARTILLERY SYSTEMS	1,972	3,972	+ 2,000
116	INFORMATION TECHNOLOGY DEVELOPMENT	81,776	74,576	– 7,200
117	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)	172,361	189,744	+ 17,383
118	ARMORED MULTI-PURPOSE VEHICLE	199,778	191,778	– 8,000
119	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C)	4,418	4,418	.....
120	JOINT TACTICAL NETWORK CENTER (JTNC)	15,877	15,877	.....
121	JOINT TACTICAL NETWORK (JTN)	44,150	44,150	.....
122	TRACTOR TIRE	34,670	113,570	+ 78,900
123	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM-EXPENDITARY (GBOSS-E)	5,207	5,207	.....
124	TACTICAL SECURITY SYSTEM (TSS)	4,727	4,727	.....
125	COMMON INFRARED COUNTERMEASURES (CIRCM)	105,778	79,378	– 26,400

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
126	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD)	6,927	6,927	.....
127	EVIDENCE COLLECTION AND DETAINEE PROCESSING	214	214	.....
128	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE	16,125	16,125	.....
129	DEFENSIVE CYBER TOOL DEVELOPMENT	55,165	38,165	- 17,000
130	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	20,076	11,337	- 8,739
131	CONTRACT WRITING SYSTEM	20,322	20,322	.....
132	MISSILE WARNING SYSTEM MODERNIZATION (MWSM)	55,810	13,000	- 42,810
133	AIRCRAFT SURVIVABILITY DEVELOPMENT	30,879	30,879	.....
134	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1	175,069	143,169	- 31,900
135	GROUND ROBOTICS	70,760	59,730	- 11,030
137	AMF JOINT TACTICAL RADIO SYSSTEM	8,965	18,965	+ 10,000
138	JOINT AIR-TO-GROUND MISSILE (JAGM)	34,626	19,726	- 14,900
140	ARMY INTEGRATED AIR AND MISSILE DEFENSE [AIAMD]	336,420	330,420	- 6,000
143	NATIONAL CAPABILITIES INTEGRATION	6,882	9,382	+ 2,500
144	JOINT LIGHT TACTICAL VEHICLE ENG AND MANUFACTURING	23,467	23,467	.....
145	AVIATION GROUND SUPPORT EQUIPMENT	6,930	6,930	.....
146	PALADIN INTEGRATED MANAGEMENT [PIM]	6,112	6,112	.....
147	TROJAN—RH12	4,431	4,431	.....
150	ELECTRONIC WARFARE DEVELOPMENT	14,616	14,616	.....
151	TRACTOR BEARS	17,928	17,928	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	3,012,840	2,985,140	- 27,700
	RDT&E MANAGEMENT SUPPORT			
152	THREAT SIMULATOR DEVELOPMENT	22,862	31,862	+ 9,000
153	TARGET SYSTEMS DEVELOPMENT	13,902	13,902	.....
154	MAJOR T&E INVESTMENT	102,901	114,901	+ 12,000
155	RAND ARROYO CENTER	20,140	20,140	.....
156	ARMY KWAJALEIN ATOLL	246,663	246,663	.....
157	CONCEPTS EXPERIMENTATION PROGRAM	29,820	29,820	.....
159	ARMY TEST RANGES AND FACILITIES	307,588	317,588	+ 10,000
160	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	49,242	49,242	.....
161	SURVIVABILITY/LETHALITY ANALYSIS	41,843	41,843	.....
162	AIRCRAFT CERTIFICATION	4,804	4,804	.....
163	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	7,238	7,238	.....
164	MATERIEL SYSTEMS ANALYSIS	21,890	21,890	.....
165	EXPLOITATION OF FOREIGN ITEMS	12,684	12,684	.....
166	SUPPORT OF OPERATIONAL TESTING	51,040	51,040	.....
167	ARMY EVALUATION CENTER	56,246	56,246	.....
168	ARMY MODELING AND SIMULATION X—CMD COLLABORATION AND INTEG	1,829	1,829	.....
169	PROGRAMWIDE ACTIVITIES	55,060	55,060	.....
170	TECHNICAL INFORMATION ACTIVITIES	33,934	37,934	+ 4,000
171	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	43,444	57,444	+ 14,000
172	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	5,087	5,087	.....
173	MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT)	54,679	54,679	.....
174	MILITARY GROUND-BASED CREW TECHNOLOGY	7,916	7,916	.....
175	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	61,254	61,254	.....
176	DEFENSE MILITARY DECEPTION INITIATIVE	1,779	1,779	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,253,845	1,302,845	+ 49,000
	OPERATIONAL SYSTEMS DEVELOPMENT			
178	MLRS PRODUCT IMPROVEMENT PROGRAM	8,929	8,929	.....
179	TRACTOR PULL	4,014	4,014	.....
180	ANTI-TAMPER TECHNOLOGY SUPPORT	4,094	4,094	.....
181	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS	15,738	15,738	.....
182	TRACTOR SMOKE	4,513	4,513	.....
183	LONG RANGE PRECISION FIRES (LRPF)	102,014	88,014	- 14,000
184	APACHE PRODUCT IMPROVEMENT PROGRAM	59,977	57,877	- 2,100
185	BLACKHAWK RECAP/MODERNIZATION	34,416	34,416	.....
186	CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM	194,567	170,317	- 24,250
187	FIXED WING AIRCRAFT	9,981	9,981	.....
188	IMPROVED TURBINE ENGINE PROGRAM	204,304	147,504	- 56,800

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
189	EMERGING TECHNOLOGIES FROM NIE	1,023	1,023	.....
190	LOGISTICS AUTOMATION	1,504	.....	- 1,504
191	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT	10,064	10,064	.....
192	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	38,463	38,463	.....
193	FAMILY OF BIOMETRICS	6,159	.....	- 6,159
194	PATRIOT PRODUCT IMPROVEMENT	90,217	78,867	- 11,350
195	AEROSTAT JOINT PROJECT OFFICE	6,749	.....	- 6,749
196	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM	33,520	33,520	.....
197	COMBAT VEHICLE IMPROVEMENT PROGRAMS	343,175	321,175	- 22,000
198	MANEUVER CONTROL SYSTEM	6,639	6,639	.....
198	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	40,784	40,784	.....
200	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	39,358	39,358	.....
201	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	145	145	.....
202	DIGITIZATION	4,803	4,803	.....
203	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	2,723	28,723	+ 26,000
204	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	5,000	5,000	.....
205	TRACTOR CARD	37,883	37,883	.....
207	MATERIALS HANDLING EQUIPMENT	1,582	1,582	.....
208	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM	195	195	.....
209	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	78,926	72,426	- 6,500
210	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	102,807	97,807	- 5,000
213	SECURITY AND INTELLIGENCE ACTIVITIES	13,807	35,652	+ 21,845
214	INFORMATION SYSTEMS SECURITY PROGRAM	132,438	106,438	- 26,000
215	GLOBAL COMBAT SUPPORT SYSTEM	64,370	46,987	- 17,383
217	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	10,475	10,475	.....
220	COMBINED ADVANCED APPLICATIONS	1,100	1,100	.....
222	TACTICAL UNMANNED AERIAL VEHICLES	9,433	9,433	.....
223	AIRBORNE RECONNAISSANCE SYSTEMS	5,080	5,080	.....
224	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	24,700	24,700	.....
225	MQ-1 SKY WARRIOR A UAV (MQ-1C GRAY EAGLE UAS)	9,574	.....	- 9,574
226	RQ-11 UAV	2,191	2,191	.....
227	RQ-7 UAV	12,773	12,773	.....
228	BIOMETRICS ENABLED INTELLIGENCE	2,537	2,537	.....
229	WIN-T INCREMENT 2—INITIAL NETWORKING	4,723	.....	- 4,723
230	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	60,877	85,677	+ 24,800
231	SATCOM GROUND ENVIRONMENT (SPACE)	11,959	11,959	.....
232	JOINT TACTICAL GROUND SYSTEM	10,228	10,228	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,040,285	1,021,750	- 18,535
9999	CLASSIFIED PROGRAMS	7,154	7,154	.....
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	9,425,440	9,860,343	+ 434,903

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
2	Defense Research Sciences	263,590	273,590	+ 10,000
	Program increase: Collaborative research in the human dimension .....	.....	.....	+ 10,000
4	University and Industry Research Centers	87,395	102,395	+ 15,000
	Basic research program increase .....	.....	.....	+ 15,000
5	Materials Technology	29,640	58,640	+ 29,000
	Program increase .....	.....	.....	+ 24,000
	Program increase: High end materials for military applications .....	.....	.....	+ 5,000
6	Sensors and Electronic Survivability	35,730	81,230	+ 45,500

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Advanced space data exploitation and integration program			+ 7,500
	Program increase: Agile manufacturing materials processing			+ 23,000
	Program increase: Tactical space—small satellite technology development			+ 15,000
8	Aviation Technology	66,086	73,586	+ 7,500
	Program increase			+ 2,500
	Program increase: Aviation and missile technology transfer and innovation			+ 5,000
9	Electronic Warfare Technology	27,144	34,144	+ 7,000
	Program increase			+ 7,000
10	Missile Technology	43,742	53,742	+ 10,000
	Program increase: Composites research—air vehicle development and sustainment			+ 10,000
11	Advanced Weapons Technology	22,785	27,785	+ 5,000
	Program increase: Army aerophysics research			+ 5,000
13	Combat Vehicle and Automotive Technology	67,232	77,232	+ 10,000
	Program increase			+ 10,000
17	Weapons and Munitions Technology	41,455	76,455	+ 35,000
	Program increase: Composite barrel technology			+ 10,000
	Program increase: Railgun weapon technology			+ 25,000
18	Electronics and Electronic Devices	58,352	84,352	+ 26,000
	Program increase: Protective and anti-tamper technologies for electronic attack			+ 10,000
	Program increase: Silicon carbide electronics research			+ 16,000
22	Environmental Quality Technology	21,678	34,678	+ 13,000
	Program increase: Coatings technology			+ 3,000
	Program increase: Environmental containment sensors			+ 6,000
	Program increase: UAS for UXO detection			+ 4,000
25	Military Engineering Technology	67,720	104,920	+ 37,200
	Program increase: Advanced blast load simulator			+ 4,500
	Program increase: Construction materials			+ 7,000
	Program increase: Engineered resilient systems			+ 10,000
	Program increase: Lightweight high performance materials			+ 10,000
	Program increase: M1 Abrams tank track system			+ 1,600
	Program increase: Smart runway program			+ 2,100
	Program increase: Bio-inspired functionally graded composites for hazard mitigation			+ 2,000
27	Warfighter Technology	39,559	44,559	+ 5,000
	Program increase: Expeditionary mobile base camp technology			+ 5,000
29	Warfighter Advanced Technology	44,863	53,363	+ 8,500
	Program increase: Maneuver support			+ 6,000
	Program increase: Non-centroidal helmets for warfighters			+ 2,500
30	Medical Advanced Technology	67,780	75,780	+ 8,000
	Program increase: Peer-reviewed military burn research program			+ 8,000
31	Aviation Advanced Technology	160,746	165,746	+ 5,000
	Program increase: Rotary wing development			+ 5,000
32	Weapons and Munitions Advanced Technology	84,079	107,079	+ 23,000
	Program increase: High energy laser research			+ 15,000
	Program increase: High energy laser rotorcraft integration			+ 8,000
33	Combat Vehicle and Automotive Advanced Technology	125,537	150,537	+ 25,000
	Program increase			+ 5,000
	Program increase: Advanced materials development			+ 10,000
	Program increase: Combat vehicle weight reduction initiative			+ 10,000
34	Space Application Advanced Technology	12,231	39,731	+ 27,500

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Tactical small launch			+20,000
	Program increase: Global communications research ..			+7,500
39	Combating Terrorism—Technology Development	26,903	43,903	+17,000
	Program increase: Lightweight, low-power radar systems			+6,000
	Program increase: Long endurance UAV research			+8,000
	Program increase: Open source ISR research			+3,000
42	Electronic Warfare Technology	31,296	34,296	+3,000
	Program increase: PACOM multi-domain battle exercise capabilities			+3,000
43	Missile and Rocket Advanced Technology	62,850	117,850	+55,000
	Program increase			+45,000
	Program increase: Land-based anti-ship missile—development and integration			+10,000
45	High Performance Computing Modernization Program	182,331	221,331	+39,000
	Program increase			+39,000
46	Landmine Warfare and Barrier Advanced Technology	17,948	18,948	+1,000
	Program increase: Explosive hazard detection research			+1,000
49	Environmental Quality Technology Demonstrations	10,421	29,421	+19,000
	Program increase: Autonomous transport innovation			+5,000
	Program increase: Depleted uranium cleanup			+4,000
	Program increase: Rapid safe carbon nanotechnology research			+10,000
50	Military Engineering Advanced Technology	32,448	94,648	+62,200
	Program increase			+7,000
	Program increase: Additive manufacturing/3-D printing			+2,000
	Program increase: Advanced polymer development			+5,000
	Program increase: Bathymetric-topographic LiDAR research			+8,000
	Program increase: Demonstration of ultra-high efficiency natural gas technologies			+4,000
	Program increase: Emerging natural gas technologies			+10,000
	Program increase: Energy efficient window insulation research			+5,000
	Program increase: Heavy vehicle simulator research			+8,200
	Program increase: Inferential sensing on tactical wheeled vehicles			+5,000
	Program increase: Reliable distributed generation in austere environments			+3,000
	Program increase: Sensor protection from underground threats			+5,000
53	Army Missile Defense Systems Integration	9,634	23,634	+14,000
	Program increase: Integrated environmental control and power			+14,000
55	Air and Missile Defense Systems Engineering	33,949	35,949	+2,000
	Program increase: Interoperability of integrated air and missile defense			+15,000
	Restoring acquisition accountability—Lack of directed requirement			-13,000
58	Tank and Medium Caliber Ammunition	41,452	41,902	+450
	Program increase			+8,000
	Program increase: Next generation of expendable countermeasures			+2,450
	Restoring acquisition accountability: EU1 Enhanced Lethality Cannon Munitions funding duplication ..			-10,000
59	Armored System Modernization—Adv Dev	32,739	42,739	+10,000
	Program increase			+10,000
62	Night Vision Systems Advanced Development	12,347	10,947	-1,400
	Improving funds management: Prior year carryover ..			-1,400
65	Aviation—Adv Dev	14,055	10,055	-4,000
	Improving funds management: AoA delay			-4,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
66	Logistics and Engineer Equipment—Adv Dev	35,333	30,833	- 4,500
	Improving funds management: Prior year carryover ...			- 4,500
67	Medical Systems—Adv Dev	33,491	35,491	+ 2,000
	Program increase: Body armor			+ 2,000
68	Soldier Systems—Advanced Development	20,239	40,239	+ 20,000
	Program increase: Next generation squad weapon ...			+ 20,000
71	Lower Tier Air Missile Defense [LTAMD] Sensor	76,728	59,828	- 16,900
	Restoring acquisition accountability: Contract delay			- 16,900
72	Technology Maturation Initiatives	115,221	150,221	+ 35,000
	Program increase: Multi-mission high energy laser research			+ 35,000
73	Maneuver—Short Range Air Defense [M-SHORAD]	20,000		- 20,000
	Restoring acquisition accountability: Efforts previously funded			- 20,000
75	Assured Positioning, Navigation and Timing [PNT]	164,967	134,967	- 30,000
	Improving funds management: Prior year carryover ...			- 30,000
83	Mid-tier Networking Vehicular Radio [MNVR]	10,589		- 10,589
	Program termination: Network modernization strategy			- 10,589
85	TRACTOR CAGE	17,252	30,252	+ 13,000
	Program increase: Classified cyber capabilities			+ 13,000
86	Infantry Support Weapons	87,643	91,992	+ 4,349
	Program increase			+ 6,000
	Program increase: Squad designated marksman rifle			+ 2,949
	Improving funds management: EW4 prior year carry-over			- 4,600
94	Night Vision Systems—Eng Dev	108,504	126,004	+ 17,500
	Program increase: Develop and qualify thermal weapon sights			+ 17,500
95	Combat Feeding, Clothing, and Equipment	3,702	8,702	+ 5,000
	Program increase			+ 5,000
96	Non-System Training Devices—Eng Dev	43,575	53,575	+ 10,000
	Program increase: Combined arms center threat integrated air defense system			+ 10,000
97	Air Defense Command, Control and Intelligence—Eng Dev	28,726	36,726	+ 8,000
	Program increase: All digital radar			+ 8,000
104	Weapons and Munitions—Eng Dev	145,232	149,410	+ 4,178
	Program increase: Develop 40mm low velocity M320 door breaching cartridge			+ 4,178
105	Logistics and Engineer Equipment—Eng Dev	90,965	91,023	+ 58
	Program increase: Improved camouflage net system			+ 2,000
	Restoring acquisition accountability: Engine driven generators schedule delay			- 1,942
108	Landmine Warfare/Barrier—Eng Dev	34,684	25,884	- 8,800
	Restoring acquisition accountability: DLBS test funding ahead of need			- 1,000
	Restoring acquisition accountability: RCIS schedule delay			- 7,800
109	Army Tactical Command & Control Hardware & Software ..	164,409	162,909	- 1,500
	Improving funds management: TNOM funding ahead of need			- 4,500
	Restoring acquisition accountability: CPI2 funding ahead of need			- 10,000
	Improving funds management: UTR prior year carry-over			- 12,000
	Transfer funding for network modernization strategy: EJ6 Protected SATCOM, Army-requested from OPA line 102			+ 25,000
114	Suite of Survivability Enhancement Systems—EMD	98,600	92,900	- 5,700
	Program increase: Additional APS funding			+ 25,000
	Improving funds management: VPS/MAPS funding ahead of need			- 3,700
	Restoring acquisition accountability: Bradley test funding ahead of need			- 20,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: Stryker test funding ahead of need			-7,000
115	Artillery Systems—EMD	1,972	3,972	+2,000
	Program increase: Integrated tube #3 demonstrator, blast over pressure testing			+2,000
116	Information Technology Development	81,776	74,576	-7,200
	Restoring acquisition accountability: AcqBiz program management growth			-2,000
	Improving funds management: Prior year carryover			-5,200
117	Integrated Personnel and Pay System-Army (IPPS-A)	172,361	189,744	+17,383
	Army-requested transfer from line 215			+17,383
118	Armored Multi-Purpose Vehicle (AMPV)	199,778	191,778	-8,000
	Improving funds management: Excess EMD funding			-8,000
122	TRACTOR TIRE	34,670	113,570	+78,900
	Program increase: Classified cyber capabilities			+78,900
125	Common Infrared Countermeasures (CIRCM)	105,778	79,378	-26,400
	Improving funds management: Program of record prior year carryover			-26,400
129	Defensive CYBER Tool Development	55,165	38,165	-17,000
	Improving funds management: Prior year carryover			-17,000
130	Tactical Network Radio Systems (Low-Tier)	20,076	11,337	-8,739
	Restoring acquisition accountability: Manpack test delay			-8,739
132	Missile Warning System Modernization (MWSM)	55,810	13,000	-42,810
	Restoring acquisition accountability: Funding early to need			-42,810
134	Indirect Fire Protection Capability Inc 2—Block 1	175,069	143,169	-31,900
	Restoring acquisition accountability: EMD schedule delay			-31,900
135	Ground Robotics	70,760	59,730	-11,030
	Improving funds management: CRS-I EMD contract delay			-11,030
137	AMF Joint Tactical Radio System (JTRS)	8,965	18,965	+10,000
	Transfer funding for network modernization strategy: Army-requested from OPA line 102			+10,000
138	Joint Air-to-Ground Missile (JAGM)	34,626	19,726	-14,900
	Restoring acquisition accountability: Limited user test delay			-14,900
140	Army Integrated Air and Missile Defense (AIAMD)	336,420	330,420	-6,000
	Program increase: Cybersecurity research			+15,000
	Program increase: Rapid integration for emerging threats			+25,000
	Restoring acquisition accountability: Excess funding due to program restructure			-46,000
143	National Capabilities Integration (MIP)	6,882	9,382	+2,500
	Program increase			+2,500
152	Threat Simulator Development	22,862	31,862	+9,000
	Program increase: Integrated threat force			+9,000
154	Major T&E Investment	102,901	114,901	+12,000
	Program increase: Cyber virtualization research			+12,000
159	Army Test Ranges and Facilities	307,588	317,588	+10,000
	Program increase: Distributed environment for system-of-system cybersecurity testing			+10,000
170	Technical Information Activities	33,934	37,934	+4,000
	Program increase			+4,000
171	Munitions Standardization, Effectiveness and Safety	43,444	57,444	+14,000
	Program increase			+14,000
183	Long Range Precision Fires (LRPF)	102,014	88,014	-14,000
	Restoring acquisition accountability: TMRR contract delay			-14,000
184	Apache Product Improvement Program	59,977	57,877	-2,100
	Restoring acquisition accountability: FOT&E II delay			-2,100
186	Chinook Product Improvement Program	194,567	170,317	-24,250

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: Blk 2 EMD contract delay			-19,250
	Improving funds management: Program management excess growth			-5,000
188	Improved Turbine Engine Program	204,304	147,504	-56,800
	Restoring acquisition accountability: PDR funds excess to need			-40,400
	Restoring acquisition accountability: Blackhawk and Apache integration funding ahead of need			-16,400
190	Logistics Automation	1,504		-1,504
	Improving funds management: Prior year carryover			-1,504
193	Family of Biometrics	6,159		-6,159
	Improving funds management: Prior year carryover			-6,159
194	Patriot Product Improvement	90,217	78,867	-11,350
	Improving funds management: Prior year carryover			-8,750
	Restoring acquisition accountability: Program management growth			-2,600
195	Aerostat Joint Project—COCOM Exercise	6,749		-6,749
	Program termination			-6,749
197	Combat Vehicle Improvement Programs	343,175	321,175	-22,000
	Program increase			+3,000
	Program increase: Development of ECP for the M88A2E1			+8,000
	Restoring acquisition accountability: Abrams ECP1B delay			-10,000
	Restoring acquisition accountability: Abrams program support excess growth			-2,000
	Restoring acquisition accountability: Bradley ECP2 delay			-5,000
	Restoring acquisition accountability: Bradley UBIS contract delay			-1,000
	Restoring acquisition accountability: Stryker ECP2 delay			-15,000
203	Missile/Air Defense Product Improvement Program	2,723	28,723	+26,000
	Program increase: Stinger product improvement program research			+26,000
209	Lower Tier Air and Missile Defense [AMD] System	78,926	72,426	-6,500
	Improving funds management: Prior year carryover			-6,500
210	Guided Multiple-Launch Rocket System [GMLRS]	102,807	97,807	-5,000
	Improving funds management: Prior year carryover			-5,000
213	Security and Intelligence Activities	13,807	35,652	+21,845
	Program increase: Cyber capabilities development			+21,845
214	Information Systems Security Program	132,438	106,438	-26,000
	Program increase: Cyber security operations center			+18,000
	Restoring acquisition accountability: Excess embedded crypto modernization funding due to program delay			-44,000
215	Global Combat Support System	64,370	46,987	-17,383
	Army-requested transfer to line 117			-17,383
225	MQ-1C Gray Eagle UAS	9,574		-9,574
	Restoring acquisition accountability: Testing previously funded			-9,574
229	Win-T Increment 2—Initial Networking	4,723		-4,723
	Program termination: Network modernization strategy			-4,723
230	End Item Industrial Preparedness Activities	60,877	85,677	+24,800
	Program increase: Army inventory management and demand planning software			+9,800
	Program increase: Nanoscale materials			+15,000

Improved Turbine Engine Program.—The fiscal year 2018 budget request includes \$204,304,000 for the Improved Turbine Engine Program [ITEP]. The Army's acquisition strategy for ITEP includes contracting with no less than two engine developers through Mile-

stone B to ensure competition in the program. The Committee is fully supportive of this approach and the overall program and has provided the necessary resources to fully fund this strategy. The Committee notes, however, that funding for the Preliminary Design Review has expended more slowly than planned. Additionally, the Engineering and Manufacturing Development contract, which includes Black Hawk and Apache integration, has been delayed at least three months and is now scheduled to be awarded in the first quarter of fiscal year 2019. Therefore, the Committee recommends a reduction of \$56,800,000 to the fiscal year 2018 budget request but remains supportive of this important Army modernization priority.

Armored Multi-Purpose Vehicle.—While the Committee understands the Army's requirement to field the Armored Multi-Purpose Vehicle [AMPV], particularly in the European theater, to increase survivability; size, weight, power, and cooling improvements; and the ability to incorporate future technologies, it is concerned with the concurrency built into the continued development, testing, and procurement of the program. The fiscal year 2018 budget request includes \$199,778,000 for research, development, test and evaluation, to include procurement of live fire test assets for planned second quarter fiscal year 2020 testing, as well as \$447,618,000 for procurement of 107 vehicles that will begin delivering in the fourth quarter of fiscal year 2019.

To ensure that vehicles are operationally effective before deploying to theater, the Committee encourages the Army to accelerate testing and directs the Secretary of the Army to provide a report to the congressional defense committees within 180 days of enactment of this act on the results of vehicle testing to date and an explanation of why vehicles are being procured in significant quantities prior to Initial Operational Test and Evaluation, currently scheduled for second quarter of fiscal year 2021.

Soldier Fitness Program and Suicide Prevention Program.—The fiscal year 2018 budget request includes \$3,120,000 for the Soldier Fitness Program and Suicide Prevention Program. While the Committee is fully supportive of these programs, it is dismayed that the budget justification materials for them lacked sufficient detail and substance and expects these omissions to be corrected in the fiscal year 2019 budget request.

Life Cycle Pilot Process.—The Committee commends the Army for its continuing work in Transformative Manufacturing Technology and strongly encourages the Secretary of the Army to dedicate resources to further the development and equipping of the national technical industrial base with these new and emerging Transformative Manufacturing and ammunition technologies.

Materials Under Extreme Dynamic Environments.—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 Secretary of the Army to continue research in this area.

Power Management Systems for Ground Combat Vehicles.—The Committee recognizes that power demand for ground combat vehicles like Stryker and High Mobility Multipurpose Wheeled Vehicle

(HMMWV) is increasing due to the addition of sophisticated electronic communication systems, sensor systems, electrical drive chain equipment, and active protection systems. Advanced battery and power management systems provide the possibility of replacing existing battery standards for more efficient energy usage and longer durations of low heat-signature observation. The Committee encourages the Department of the Army to conduct further research in modular lithium battery systems for ground combat vehicles and other power management system solutions.

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 in order to benefit strategic materials research.

Adaptive Red Team Support.—The Committee supports the work of the Army's Adaptive Red Team Technical Support and Operational Analysis program and understands it provides vital feedback on information technology system vulnerabilities and limitations. Highlighting these vulnerabilities has translated into more secure and resilient systems as well as increased production cost savings in the acquisition process. Therefore, the Committee encourages the Secretary of the Army to continue to invest in these efforts.

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.

Human Factors Engineering Technology.—The Committee is encouraged by the overall progress of the Human Factors Engineering Technology program and particularly the Army's collaboration

with institutes of higher education and centers of excellence. Within this program, the work being done regarding Continuous Multifaceted Soldier Characterization for Adaptive Technologies has shown much promise, and the Committee encourages continuing research in this area.

Underwater Cut and Capture.—The Committee is concerned that insufficient attention has been placed on successfully migrating obsolete, discarded, and unstable munitions disposal technology to the undersea arena. Therefore, the Committee encourages the Secretary of the Army to conduct additional targeted research to demonstrate technology which removes underwater munitions without displacing the munition body in order to avoid damaging critical habitat and coral by detonating the munition.

Surface Haptics.—The Committee is aware of recent advances in human-computer interface making use of tactile communication channels. Potential applications of surface haptics for situational awareness and team communication, human-human and human-computer interaction when vision is impaired, when light emission is unacceptable, when visual attention must be maintained elsewhere, or when motion and vibration compromise reliable interaction with controls. The Committee encourages the Secretary of the Army to increase research into surface haptics both for visual touchscreens and also for non-visual interaction (dark haptics).

Bioresorbable Electronic Systems.—The Committee is aware of recent advances in bioresorbable electronic systems and biocompatible devices to facilitate a new class of technology for emergency medicine, combat casualty care, and rehabilitation care. The Committee encourages the Secretary of the Army to increase research into bioresorbable electronic systems and biocompatible devices, including relevant work across the spectrum from fundamental research through clinical research and engineering development.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Appropriations, 2017	\$17,214,530,000
Budget estimate, 2018	17,650,035,000
Committee recommendation	17,628,000,000

The Committee recommends an appropriation of \$17,628,000,000. This is \$22,035,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY			
	BASIC RESEARCH			
1	UNIVERSITY RESEARCH INITIATIVES	118,130	118,130	.....
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,438	19,438	.....
3	DEFENSE RESEARCH SCIENCES	458,333	458,333	.....
	TOTAL, BASIC RESEARCH	595,901	595,901	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	APPLIED RESEARCH			
4	POWER PROJECTION APPLIED RESEARCH	13,553	18,553	+ 5,000
5	FORCE PROTECTION APPLIED RESEARCH	125,557	174,057	+ 48,500
6	MARINE CORPS LANDING FORCE TECHNOLOGY	53,936	55,936	+ 2,000
7	COMMON PICTURE APPLIED RESEARCH	36,450	36,450	.....
8	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	48,649	48,649	.....
9	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	79,598	85,598	+ 6,000
10	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	42,411	49,911	+ 7,500
11	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,425	6,425	.....
12	UNDERSEA WARFARE APPLIED RESEARCH	56,094	61,094	+ 5,000
13	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	156,805	156,805	.....
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	32,733	35,233	+ 2,500
15	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	171,146	171,146	.....
16	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR HEAD- QUARTERS	62,722	62,722	.....
	TOTAL, APPLIED RESEARCH	886,079	962,579	+ 76,500
	ADVANCED TECHNOLOGY DEVELOPMENT			
19	FORCE PROTECTION ADVANCED TECHNOLOGY	26,342	54,342	+ 28,000
20	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	9,360	9,360	.....
21	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION [ATD]	154,407	166,907	+ 12,500
22	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	13,448	13,448	.....
23	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV	231,772	231,772	.....
24	MANUFACTURING TECHNOLOGY PROGRAM	57,797	57,797	.....
25	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	4,878	12,878	+ 8,000
26	UNDERSEA WARFARE ADVANCED TECHNOLOGY .....	.....	10,000	+ 10,000
27	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	64,889	64,889	.....
28	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY ..	15,164	15,164	.....
29	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY	108,285	128,485	+ 20,200
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	686,342	765,042	+ 78,700
	DEMONSTRATION & VALIDATION			
30	AIR/OCEAN TACTICAL APPLICATIONS	48,365	48,365	.....
31	AVIATION SURVIVABILITY	5,566	5,566	.....
33	AIRCRAFT SYSTEMS	695	695	.....
34	ASW SYSTEMS DEVELOPMENT	7,661	7,661	.....
35	TACTICAL AIRBORNE RECONNAISSANCE	3,707	3,707	.....
36	ADVANCED COMBAT SYSTEMS TECHNOLOGY	61,381	7,745	- 53,636
36A	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION .....	.....	24,050	+ 24,050
37	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	154,117	77,407	- 76,710
37A	SURFACE MINE COUNTERMEASURES .....	.....	12,900	+ 12,900
37B	AIRBORNE LITTORAL MCM .....	.....	11,623	+ 11,623
38	SURFACE SHIP TORPEDO DEFENSE	14,974	14,974	.....
39	CARRIER SYSTEMS DEVELOPMENT	9,296	9,296	.....
40	PILOT FISH	132,083	111,383	- 20,700
41	RETRACT LARCH	15,407	15,407	.....
42	RETRACT JUNIPER	122,413	122,413	.....
43	RADIOLOGICAL CONTROL	745	745	.....
44	SURFACE ASW	1,136	1,136	.....
45	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	100,955	89,955	- 11,000
46	SUBMARINE TACTICAL WARFARE SYSTEMS	13,834	13,834	.....
47	SHIP CONCEPT ADVANCED DESIGN	36,891	21,316	- 15,575
48	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	12,012	23,741	+ 11,729
49	ADVANCED NUCLEAR POWER SYSTEMS	329,500	329,500	.....
50	ADVANCED SURFACE MACHINERY SYSTEMS	29,953	29,953	.....
51	CHALK EAGLE	191,610	191,610	.....
52	LITTORAL COMBAT SHIP [LCS]	40,991	40,991	.....
53	COMBAT SYSTEM INTEGRATION	24,674	20,274	- 4,400
54	OHIO REPLACEMENT PROGRAM	776,158	801,158	+ 25,000
55	LITTORAL COMBAT SHIP [LCS] MISSION MODULES	116,871	96,871	- 20,000
56	AUTOMATED TEST AND RE-TEST	8,052	8,052	.....
57	FRIGATE DEVELOPMENT	143,450	113,450	- 30,000
58	CONVENTIONAL MUNITIONS	8,909	8,909	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
60	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	1,428	1,428	.....
61	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	53,367	49,867	- 3,500
63	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	8,212	8,212	.....
64	ENVIRONMENTAL PROTECTION	20,214	20,214	.....
65	NAVY ENERGY PROGRAM	25,623	39,623	+ 14,000
66	FACILITIES IMPROVEMENT	2,837	6,837	+ 4,000
67	CHALK CORAL	245,143	245,143	.....
68	NAVY LOGISTIC PRODUCTIVITY	2,995	2,995	.....
69	RETRACT MAPLE	306,101	306,101	.....
70	LINK PLUMERIA	253,675	402,575	+ 148,900
71	RETRACT ELM	55,691	55,691	.....
72	LINK EVERGREEN	48,982	48,982	.....
74	NATO RESEARCH AND DEVELOPMENT	9,099	9,099	.....
75	LAND ATTACK TECHNOLOGY	33,568	18,568	- 15,000
76	JOINT NONLETHAL WEAPONS TESTING	29,873	29,873	.....
77	JOINT PRECISION APPROACH AND LANDING SYSTEMS	106,391	106,391	.....
78	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	107,310	99,310	- 8,000
79	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER	83,935	83,935	.....
81	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES	46,844	46,844	.....
83	MARINE CORPS ADDITIVE MANUFACTURING TECHNOLOGY DE- VELOPMENT	6,200	6,200	.....
85	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	7,055	17,055	+ 10,000
86	LX (R)	9,578	9,578	.....
87	ADVANCED UNDERSEA PROTOTYPING	66,543	66,543	.....
87A	UNMANNED UNDERSEA VEHICLE .....	.....	22,687	+ 22,687
89	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	31,315	22,715	- 8,600
90	SPACE & ELECTRONIC WARFARE [SEW] ARCHITECTURE/ENGINE	42,851	42,851	.....
91	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	160,694	160,694	.....
93	ASW SYSTEMS DEVELOPMENT—MIP	8,278	8,278	.....
94	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	7,979	7,979	.....
95	ELECTRONIC WARFARE DEVELOPMENT—MIP	527	527	.....
	TOTAL, DEMONSTRATION & VALIDATION	4,193,714	4,211,482	+ 17,768
	ENGINEERING & MANUFACTURING DEVELOPMENT			
96	TRAINING SYSTEM AIRCRAFT	16,945	18,545	+ 1,600
97	OTHER HELO DEVELOPMENT	26,786	26,786	.....
98	AV-8B AIRCRAFT—ENG DEV	48,780	45,680	- 3,100
99	STANDARDS DEVELOPMENT	2,722	2,722	.....
100	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	5,371	5,371	.....
101	AIR/OCEAN EQUIPMENT ENGINEERING	782	5,782	+ 5,000
102	P-3 MODERNIZATION PROGRAM	1,361	1,361	.....
103	WARFARE SUPPORT SYSTEM	14,167	14,167	.....
104	TACTICAL COMMAND SYSTEM	55,695	49,745	- 5,950
105	ADVANCED HAWKEYE	292,535	302,535	+ 10,000
106	H-1 UPGRADES	61,288	61,288	.....
107	ACOUSTIC SEARCH SENSORS	37,167	37,167	.....
108	V-22A	171,386	186,386	+ 15,000
109	AIR CREW SYSTEMS DEVELOPMENT	13,235	14,195	+ 960
110	EA-18	173,488	141,488	- 32,000
111	ELECTRONIC WARFARE DEVELOPMENT	54,055	57,055	+ 3,000
112	EXECUTIVE HELO DEVELOPMENT	451,938	451,938	.....
113	NEXT GENERATION JAMMER [NGJ]	632,936	617,936	- 15,000
114	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS—NAVY)	4,310	4,310	.....
115	NEXT GENERATION JAMMER [NGJ] INCREMENT II	66,686	66,686	.....
116	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	390,238	333,738	- 56,500
117	LPD-17 CLASS SYSTEMS INTEGRATION	689	689	.....
118	SMALL DIAMETER BOMB [SDB]	112,846	112,846	.....
119	STANDARD MISSILE IMPROVEMENTS	158,578	133,578	- 25,000
120	AIRBORNE MCM	15,734	15,734	.....
122	NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR SYSTEMS ENG	25,445	25,445	.....
124	ADVANCED ABOVE WATER SENSORS	87,233	87,233	.....
125	SSN-688 AND TRIDENT MODERNIZATION	130,981	130,981	.....
126	AIR CONTROL	75,186	75,186	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
127	SHIPBOARD AVIATION SYSTEMS	177,926	177,926	.....
128	COMBAT INFORMATION CENTER CONVERSION	8,062	8,062	.....
129	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	32,090	32,090	.....
130	NEW DESIGN SSN	120,087	120,087	.....
131	SUBMARINE TACTICAL WARFARE SYSTEM	50,850	50,850	.....
132	SHIP CONTRACT DESIGN/LIVE FIRE T&E	67,166	67,634	+ 468
133	NAVY TACTICAL COMPUTER RESOURCES	4,817	4,817	.....
134	VIRGINIA PAYLOAD MODULE (VPM)	72,861	72,861	.....
135	MINE DEVELOPMENT	25,635	25,635	.....
136	LIGHTWEIGHT TORPEDO DEVELOPMENT	28,076	28,076	.....
137	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	7,561	7,561	.....
138	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	40,828	24,728	- 16,100
139	JOINT STANDOFF WEAPON SYSTEMS	435	435	.....
140	SHIP SELF DEFENSE (DETECT & CONTROL)	161,713	164,713	+ 3,000
141	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	212,412	212,412	.....
142	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	103,391	103,391	.....
143	INTELLIGENCE ENGINEERING	34,855	44,855	+ 10,000
144	MEDICAL DEVELOPMENT	9,353	9,353	.....
145	NAVIGATION/ID SYSTEM	92,546	92,546	.....
146	JOINT STRIKE FIGHTER (JSF)—EMD	152,934	267,934	+ 115,000
147	JOINT STRIKE FIGHTER (JSF)	108,931	108,931	.....
148	JSF FOLLOW ON DEVELOPMENT—MARINE CORPS	144,958	107,312	- 37,646
149	JSF FOLLOW ON DEVELOPMENT—NAVY	143,855	106,469	- 37,386
150	INFORMATION TECHNOLOGY DEVELOPMENT	14,865	14,865	.....
151	INFORMATION TECHNOLOGY DEVELOPMENT	152,977	123,177	- 29,800
152	ANTI-TAMPER TECHNOLOGY SUPPORT	3,410	3,410	.....
153	CH-53K	340,758	340,758	.....
154	MISSION PLANNING	33,430	33,430	.....
155	COMMON AVIONICS	58,163	53,512	- 4,651
156	SHIP TO SHORE CONNECTOR (SSC)	22,410	32,410	+ 10,000
157	T-AO (X)	1,961	1,961	.....
158	UNMANNED CARRIER AVIATION	222,208	209,008	- 13,200
159	JOINT AIR-TO-GROUND MISSILE (JAGM)	15,473	14,873	- 600
160	MULTI-MISSION MARITIME AIRCRAFT (MMA)	11,795	11,795	.....
161	MULTI-MISSION MARITIME AIRCRAFT (MMA) INCREMENT 3	181,731	121,731	- 60,000
162	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT AND DEMO	178,993	157,993	- 21,000
163	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT AND DEMO	20,710	20,710	.....
164	DDG-1000	140,500	140,500	.....
168	TACTICAL CRYPTOLOGIC SYSTEMS	28,311	28,311	.....
170	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	4,502	4,502	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	6,362,102	6,178,197	- 183,905
	RDT&E MANAGEMENT SUPPORT			
171	THREAT SIMULATOR DEVELOPMENT	91,819	91,819	.....
172	TARGET SYSTEMS DEVELOPMENT	23,053	23,053	.....
173	MAJOR T&E INVESTMENT	52,634	69,634	+ 17,000
174	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	141	141	.....
175	STUDIES AND ANALYSIS SUPPORT—NAVY	3,917	3,917	.....
176	CENTER FOR NAVAL ANALYSES	50,432	50,432	.....
179	TECHNICAL INFORMATION SERVICES	782	782	.....
180	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	94,562	132,062	+ 37,500
181	STRATEGIC TECHNICAL SUPPORT	4,313	4,313	.....
182	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT	1,104	1,104	.....
183	RDT&E SHIP AND AIRCRAFT SUPPORT	105,666	105,666	.....
184	TEST AND EVALUATION SUPPORT	373,667	373,667	.....
185	OPERATIONAL TEST AND EVALUATION CAPABILITY	20,298	20,298	.....
186	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	17,341	17,341	.....
188	MARINE CORPS PROGRAM WIDE SUPPORT	21,751	21,751	.....
189	MANAGEMENT HEADQUARTERS—R&D	44,279	44,279	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
190	WARFARE INNOVATION MANAGEMENT	28,841	28,841	.....
191	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)	1,749	1,749	.....
194	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	9,408	9,408	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	945,757	1,000,257	+ 54,500
	OPERATIONAL SYSTEMS DEVELOPMENT			
196	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	92,571	103,571	+ 11,000
197	DEPLOYABLE JOINT COMMAND AND CONTROL	3,137	3,137	.....
198	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	135,219	142,219	+ 7,000
199	SSBN SECURITY TECHNOLOGY PROGRAM	36,242	36,242	.....
200	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	12,053	12,053	.....
201	NAVY STRATEGIC COMMUNICATIONS	18,221	18,221	.....
203	F/A-18 SQUADRONS	224,470	137,570	- 86,900
203A	IRST BLOCK II .....	.....	47,900	+ 47,900
204	FLEET TACTICAL DEVELOPMENT	33,525	8,525	- 25,000
205	SURFACE SUPPORT	24,829	24,829	.....
206	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	133,617	106,817	- 26,800
207	INTEGRATED SURVEILLANCE SYSTEM	38,972	38,972	.....
208	AMPHIBIOUS TACTICAL SUPPORT UNITS	3,940	3,940	.....
209	GROUND/AIR TASK ORIENTED RADAR	54,645	54,645	.....
210	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	66,518	66,518	.....
211	CRYPTOLOGIC DIRECT SUPPORT	1,155	1,155	.....
212	ELECTRONIC WARFARE (EW) READINESS SUPPORT	51,040	51,040	.....
213	HARM IMPROVEMENT	87,989	87,989	.....
214	TACTICAL DATA LINKS	89,852	89,852	.....
215	SURFACE ASW COMBAT SYSTEM INTEGRATION	29,351	29,351	.....
216	MK-48 ADCAP	68,553	49,053	- 19,500
217	AVIATION IMPROVEMENTS	119,099	124,099	+ 5,000
218	OPERATIONAL NUCLEAR POWER SYSTEMS	127,445	127,445	.....
219	MARINE CORPS COMMUNICATIONS SYSTEMS	123,825	136,825	+ 13,000
220	COMMON AVIATION COMMAND AND CONTROL SYSTEM	7,343	7,343	.....
221	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	66,009	66,009	.....
222	MARINE CORPS COMBAT SERVICES SUPPORT	25,258	25,258	.....
223	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	30,886	30,886	.....
224	AMPHIBIOUS ASSAULT VEHICLE	58,728	58,728	.....
225	TACTICAL AIM MISSILES	42,884	36,584	- 6,300
226	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	25,364	25,364	.....
232	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES	24,271	24,271	.....
233	INFORMATION SYSTEMS SECURITY PROGRAM	50,269	50,269	.....
236	JOINT MILITARY INTELLIGENCE PROGRAMS	6,352	6,352	.....
237	TACTICAL UNMANNED AERIAL VEHICLES	7,770	7,770	.....
238	UAS INTEGRATION AND INTEROPERABILITY	39,736	21,936	- 17,800
239	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS	12,867	12,867	.....
240	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS	46,150	46,150	.....
241	MQ-4C TRITON	84,115	84,115	.....
242	MQ-8 UAV	62,656	62,656	.....
243	RQ-11 UAV	2,022	2,022	.....
245	SMALL (LEVEL 0) TACTICAL UAS (STUASLO)	4,835	4,835	.....
246	RQ-21A	8,899	10,649	+ 1,750
247	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	99,020	99,020	.....
248	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS [MIP]	18,578	18,578	.....
249	RQ-4 MODERNIZATION	229,404	174,404	- 55,000
250	MODELING AND SIMULATION SUPPORT	5,238	5,238	.....
251	DEPOT MAINTENANCE (NON-IF)	38,227	26,879	- 11,348
252	MARITIME TECHNOLOGY (MARITECH)	4,808	4,808	.....
253	SATELLITE COMMUNICATIONS (SPACE)	37,836	37,836	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	2,615,793	2,452,795	- 162,998
9999	CLASSIFIED PROGRAMS	1,364,347	1,461,747	+ 97,400
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	17,650,035	17,628,000	- 22,035

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
4	Power Projection Applied Research	13,553	18,553	+ 5,000
	Program increase: High performance microwave for counter-IED research			+ 5,000
5	Force Protection Applied Research	125,557	174,057	+ 48,500
	Program increase			+ 26,500
	Program increase: Alternative energy research			+ 15,000
	Program increase: Hybrid composite structures research for enhanced mobility			+ 5,000
	Program increase: Standoff detection of buried hazards			+ 2,000
6	Marine Corps Landing Force Technology	53,936	55,936	+ 2,000
	Program increase			+ 2,000
9	Electromagnetic Systems Applied Research	79,598	85,598	+ 6,000
	Program increase			+ 6,000
10	Ocean Warfighting Environment Applied Research	42,411	49,911	+ 7,500
	Program increase			+ 7,500
12	Undersea Warfare Applied Research	56,094	61,094	+ 5,000
	Program increase			+ 5,000
14	Mine and Expeditionary Warfare Applied Research	32,733	35,233	+ 2,500
	Program increase			+ 2,500
19	Force Protection Advanced Technology	26,342	54,342	+ 28,000
	Program increase: Navy autonomous swarmboats			+ 28,000
21	USMC Advanced Technology Demonstration [ATD]	154,407	166,907	+ 12,500
	Program increase			+ 12,500
25	Warfighter Protection Advanced Technology	4,878	12,878	+ 8,000
	Program increase: Novel therapeutic interventions research			+ 8,000
26	Undersea Warfare Advanced Technology		10,000	+ 10,000
	Program increase: Unmanned underwater vehicle research			+ 10,000
29	Innovative Naval Prototypes [INP] Advanced Technology Development	108,285	128,485	+ 20,200
	Program increase: Solid state laser technology maturation			+ 8,200
	Program increase: Ruggedized high energy laser			+ 12,000
36	Advanced Combat Systems Technology	61,381	7,745	- 53,636
	Transfer to line 36a for execution: Project 0385 Expeditionary SURTASS			- 20,000
	Insufficient budget justification: Project 0399			- 15,361
	Insufficient budget justification: Projects 3422, 3423, 3424			- 18,275
36a	Rapid Prototyping, Experimentation and Demonstration		24,050	+ 24,050
	Transfer from line 36 for execution—Expeditionary SURTASS			+ 20,000
	Program increase: Expeditionary SURTASS			+ 4,050
37	Surface and Shallow Water Mine Countermeasures	154,117	77,407	- 76,710
	Program increase: Unmanned influence sweep system			+ 13,000
	Transfer to line 37A: Projects 0530, 1235, 1233			- 12,900
	Transfer to line 37B: Project 2131			- 11,623
	Transfer to line 87A: Project 2094			- 60,187
	Restoring acquisition accountability: Barracuda schedule delays			- 5,000
37A	Surface Mine Countermeasures		12,900	+ 12,900
	Transfer from line 37: Projects 0530, 1235, 1233			+ 12,900
37B	Airborne Littoral MCM		11,623	+ 11,623
	Transfer from line 37: Project 2131			+ 11,623
40	PILOT FISH	132,083	111,383	- 20,700
	Program adjustment			- 20,700
45	Advanced Submarine System Development	100,955	89,955	- 11,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: Project 2096 program adjustment			- 11,000
47	Ship Concept Advanced Design	36,891	21,316	- 15,575
	Restoring acquisition accountability: Future surface combatant studies early to need			- 22,000
	Transfer from National Defense Sealift Fund: Strategic Sealift Research & Development			+ 6,425
48	Ship Preliminary Design & Feasibility Studies	12,012	23,741	+ 11,729
	Transfer from National Defense Sealift Fund: Naval Operational Logistics Integration			+ 11,729
53	Combat System Integration	24,674	20,274	- 4,400
	Program termination: Existing processes replaced by Digital Warfare Office			- 4,400
54	Ohio Replacement	776,158	801,158	+ 25,000
	Program increase: Advanced materials propeller program			+ 25,000
55	LCS Mission Modules	116,871	96,871	- 20,000
	Restoring acquisition accountability: Anti-submarine warfare mission package program delays			- 20,000
57	Frigate Development	143,450	113,450	- 30,000
	Restoring acquisition accountability: Accelerate FFG (X) program			- 50,000
	Program increase: Government and industry source selection preparation			+ 20,000
61	Joint Service Explosive Ordnance Development	53,367	49,867	- 3,500
	Restoring acquisition accountability: Mk18 Mod2 contract award delay			- 3,500
65	Navy Energy Program	25,623	39,623	+ 14,000
	Program increase: Natural gas technologies			+ 4,000
	Program increase: Renewable energy technologies			+ 10,000
66	Facilities Improvement	2,837	6,837	+ 4,000
	Program increase			+ 4,000
70	LINK PLUMERIA	253,675	402,575	+ 148,900
	Program adjustments			+ 148,900
75	Land Attack Technology	33,568	18,568	- 15,000
	Insufficient budget justification: AGS projectile unjustified request			- 15,000
78	Directed Energy and Electric Weapon Systems	107,310	99,310	- 8,000
	Restoring acquisition accountability: SNLWS limit material/long lead items to single system only			- 14,000
	Program increase: High energy storage modules			+ 6,000
85	Rapid Technology Capability Prototype	7,055	17,055	+ 10,000
	Program increase: Increase rapid acquisition capability for Marine Corps Warfighting Lab			+ 10,000
87A	Unmanned Undersea Vehicle		22,687	+ 22,687
	Transfer from line 37: LDUUV			+ 60,187
	Restoring acquisition accountability: LDUUV UUV program concurrency			- 37,500
89	Precision Strike Weapons Development Program	31,315	22,715	- 8,600
	Restoring acquisition accountability: Project 3378 analysis of alternatives completed			- 8,600
96	Training System Aircraft	16,945	18,545	+ 1,600
	Program increase: T-45 and F/A-18 physiological episodes funding			+ 1,600
98	AV-8B Aircraft—Eng Dev	48,780	45,680	- 3,100
	Restoring acquisition accountability: AIM 120C Final Fit lack of full funding			- 3,100
101	Air/Ocean Equipment Engineering	782	5,782	+ 5,000
	Program increase: Unmanned systems in maritime environment			+ 5,000
104	Tactical Command System	55,695	49,745	- 5,950
	Program termination: Existing processes replaced by Digital Warfare Office			- 5,950
105	Advanced Hawkeye	292,535	302,535	+ 10,000
	Program increase: Radar enhancements			+ 10,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
108	V-22A	171,386	186,386	+ 15,000
	Program increase: MV-22 CC-RAM nacelle improvements			+ 15,000
109	Air Crew Systems Development	13,235	14,195	+ 960
	Program increase: T-45 and F/A-18 physiological episodes funding			+ 960
110	EA-18	173,488	141,488	- 32,000
	Insufficient budget justification: ICP 3 unjustified growth			- 32,000
111	Electronic Warfare Development	54,055	57,055	+ 3,000
	Program increase: Intrepid Tiger [IT] II (V) 3 UH-1Y jet-tison capability			+ 3,000
113	Next Generation Jammer [NGJ]	632,936	617,936	- 15,000
	Insufficient budget justification: integration delays			- 15,000
116	Surface Combatant Combat System Engineering	390,238	333,738	- 56,500
	Restoring acquisition accountability: FTIIP unjustified growth			- 11,000
	Restoring acquisition accountability: ACB 12 BL 9.A1 lack of justification			- 21,000
	Restoring acquisition accountability: ACB 20 unjustified growth			- 10,000
	Restoring acquisition accountability: 5.3x upgrade unjustified growth			- 14,500
119	Standard Missile Improvements	158,578	133,578	- 25,000
	Restoring acquisition accountability: SM-2 improvements ECP program adjustment due to cost			- 25,000
132	Ship Contract Design/ Live Fire T&E	67,166	67,634	+ 468
	Transfer from National Defense Sealift Fund: Maritime Prepositioning Force (Future)			+ 468
138	Personnel, Training, Simulation, and Human Factors	40,828	24,728	- 16,100
	Restore acquisition accountability: MPT&E— Fund ADE strategy, architecture, design efforts and MPTE Core Field Test only			- 16,100
140	Ship Self Defense (Detect & Control)	161,713	164,713	+ 3,000
	Program increase: C2 systems for amphibs—integrating CAC2S with SSDS			+ 3,000
143	Intelligence Engineering	34,855	44,855	+ 10,000
	Program increase: Maritime port security technology integration			+ 10,000
146	Joint Strike Fighter [JSF]—EMD	152,934	267,934	+ 115,000
	Program increase: STOVL third life-cycle test aircraft			+ 115,000
148	Joint Strike Fighter Follow On Modernization [FoM]—Marine Corps	144,958	107,312	- 37,646
	Improving funds management: Follow on modernization early to need			- 37,646
149	Joint Strike Fighter Follow On Modernization [FoM]—Navy	143,855	106,469	- 37,386
	Improving funds management: Follow on modernization early to need			- 37,386
151	Information Technology Development	152,977	123,177	- 29,800
	MPT&E: ADE prototype concurrency			- 9,800
	MPT&E Core: Integration concurrency			- 17,000
	NMMES—TR acceleration concurrency with NMMES upgrades to support clean financial audit			- 13,000
	Enterprise product lifecycle management analytics for affordability			+ 10,000
155	Common Avionics	58,163	53,512	- 4,651
	Program termination: Existing processes replaced by Digital Warfare Office			- 4,651
156	Ship to Shore Connector [SSC]	22,410	32,410	+ 10,000
	Program increase: Composites research			+ 10,000
158	Unmanned Carrier Aviation [UCA]	222,208	209,008	- 13,200
	Control segment and connectivity unjustified growth			- 13,200
159	Joint Air-to-Ground Missile [JAGM]	15,473	14,873	- 600
	Restoring acquisition accountability: Unjustified studies			- 600

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
161	Multi-Mission Maritime [MMA] Increment III	181,731	121,731	- 60,000
	Restoring acquisition accountability: Increment III content and funding adjustment lack of justification			- 60,000
162	Marine Corps Assault Vehicles System Development & Demonstration	178,993	157,993	- 21,000
	Restoring acquisition accountability: Corrective action modifications			- 21,000
173	Major T&E Investment	52,634	69,634	+ 17,000
	Program increase			+ 4,000
	Program increase: Critical infrastructure investments for major range and test facilities—Navy unfunded requirements			+ 7,000
	Program increase: Critical infrastructure investments for major range and test facilities—Navy unfunded requirements			+ 6,000
180	Management, Technical & International Support	94,562	132,062	+ 37,500
	Program increase: Printed circuit board			+ 7,500
	Program increase: Navy Research Lab infrastructure upgrades			+ 30,000
196	Cooperative Engagement Capability [CEC]	92,571	103,571	+ 11,000
	Program increase: CEC identification friend or foe [IFF] Mode 5 acceleration			+ 11,000
198	Strategic Sub & Weapons System Support	135,219	142,219	+ 7,000
	Program increase			+ 7,000
203	F/A-18 Squadrons	224,470	137,570	- 86,900
	Transfer to line 203A: IRST Block II development			- 86,900
203A	IRST Block II		47,900	+ 47,900
	Transfer from line 203: IRST Block II development			+ 86,900
	Restoring acquisition accountability: Infrared search and track contract award delay			- 39,000
204	Fleet Telecommunications (Tactical)	33,525	8,525	- 25,000
	Restoring acquisition accountability: HFORCE			- 25,000
206	Tomahawk and Tomahawk Mission Planning Center [TMPC]	133,617	106,817	- 26,800
	Restoring acquisition accountability: JMEWS ECP product development lack of cost data			- 7,000
	Restoring acquisition accountability: M-Code ECP product development lack of cost data			- 19,800
216	MK-48 ADCAP	68,553	49,053	- 19,500
	Restoring acquisition accountability: TI-1 contract award delay			- 19,500
217	Aviation Improvements	119,099	124,099	+ 5,000
	Program increase			+ 5,000
219	Marine Corps Communications Systems	123,825	136,825	+ 13,000
	Program increase: Radar system sustainment			+ 13,000
225	Tactical AIM Missiles	42,884	36,584	- 6,300
	Restoring acquisition accountability: System improvement program [SIP] program delays			- 6,300
238	UAS Integration and Interoperability	39,736	21,936	- 17,800
	Restoring acquisition accountability: Lack of transition plans from unmanned aerial vehicle control system software development programs			- 17,800
246	RQ-21A	8,899	10,649	+ 1,750
	Program increase: Spectral and reconnaissance imagery for tactical exploitation			+ 1,750
249	RQ-4 Modernization	229,404	174,404	- 55,000
	Restoring acquisition accountability: Program risk and concurrency			- 55,000
251	Depot Maintenance (Non-IF)	38,227	26,879	- 11,348
	MH-60 SLAP program adjustment			- 11,348
999	Classified programs	1,364,347	1,461,747	+ 97,400
	Classified adjustment			+ 97,400

Rapid Prototyping, Experimentation and Demonstration.—The fiscal year 2018 President’s budget request contains \$162,000,000 in Research, Development, Test and Evaluation, Navy lines 29, 36, and 78 for several Rapid Prototyping, Experimentation and Demonstration [RPED] projects designated as “Accelerated Acquisitions for the Rapid Development, Demonstration and Fielding of Capability” by the Chief of Naval Operations and the Assistant Secretary of the Navy (Research, Development and Acquisition). The Committee notes that subsequent to the budget submission, the Navy identified to the Committee additional requirements of \$121,000,000 for these projects that are being addressed through funding flexibilities granted by Congress via below threshold reprogramming authority, above threshold reprogramming authority, and additional funds recommended by the Committee in this bill. The Committee continues to expect timely and complete communication from the Secretary of the Navy and the Chief of Naval Operations regarding RPED projects, to include cost, schedule, as well as progress against previously identified objectives and transition plans, and will continue to review each project on its requirement, merit, technology and manufacturing readiness, cost, schedule, and performance. Finally, the Committee notes that several projects selected for accelerated acquisitions were previously either rejected by the Navy or initiated without a full understanding of system design maturity, full development costs, or schedule requirements, which resulted in unbudgeted funding requirements. The Committee expects the Secretary of the Navy and the Chief of Naval Operations, through their respective designees, to exercise the appropriate acquisition rigor and fiscal oversight for all proposed accelerated acquisition programs.

Surface and Shallow Water Mine Countermeasures.—The fiscal year 2018 President’s budget request includes \$154,117,000 for numerous programs and projects in the program element for Surface and Shallow Water Mine Countermeasures, an increase of more than 66 percent from 2 years ago. The Committee finds the current budget structure and associated nomenclature unnecessarily obfuscating and, after consultation with the Assistant Secretary of the Navy (Financial Management and Comptroller), recommends realigning funds for the projects as displayed in the table of Committee Recommended Adjustments. The Assistant Secretary of the Navy (Financial Management and Comptroller) is directed to follow this format in future budget submissions.

FFG (X) Acquisition.—The fiscal year 2018 President’s budget request includes \$143,450,000 in Research, Development, Test and Evaluation, Navy for the conceptual design and development of the Navy’s FFG (X) Frigate, a multi-mission platform designed for operation in littoral and blue water environments. The Committee understands that Frigate capabilities will include an increased air warfare capability in both self-defense and escort roles, enhanced survivability specifically focused on reduced vulnerability, and increased electromagnetic maneuver warfare capability. The Committee further understands that these capabilities were added to the Frigate program due to a changing threat environment that impacts naval concepts of operations. Therefore, the Committee is concerned that with submission of the fiscal year 2018 President’s

budget, the Navy changed the Littoral Combat Ship (LCS)/Frigate acquisition strategy by extending the period for Frigate conceptual design and studies and delaying the acquisition of FFG (X) Frigates by one year. Given the contested threat environment, the Committee recommends accelerating the Frigate acquisition program and recommends an increase of \$20,000,000 to advance Government and industry source selection efforts in support of a competitive FFG (X) acquisition.

Marine Corps Rapid Capabilities Office.—The fiscal year 2018 President’s budget request includes \$7,055,000 for the Marine Corps Rapid Capabilities Office [MCRCO]. The Committee recommends \$17,055,000, an increase of \$10,000,000, and directs that none of these funds may be obligated or expended until the Marine Corps provides an update to the Committee on the status of plans and decisions for pending projects and projects under review. The Committee notes the positive congressional engagements by the Marine Corps Rapid Capabilities Office with the Committee regarding program plans and expects these communications to continue and accelerate as projects are reviewed and initiated.

EA-18G Modernization.—The fiscal year 2018 President’s budget request includes \$173,488,000 for modernization of the EA-18G, an increase of \$69,044,000 over amounts appropriated in fiscal year 2017 and \$126,567,000 over amounts appropriated in fiscal year 2016. The Committee has previously supported continued modernization of the EA-18G through flight plan spiral capability development. However, the Committee is concerned by the poor justification of these budget requests, to include insufficient details regarding content, requirements changes, as well as adjustments to previous plans, schedules and budgets. In fiscal year 2018, a significant amount of the budget request is explained as being for “Wholeness”. The Committee finds this unsatisfactory and recommends \$141,488,000 for EA-18G modernization in fiscal year 2018, a reduction of \$32,000,000 from the request, and consistent with amounts planned for flight plan upgrades in the previous budget submission.

Surface Combatant Combat Systems Engineering.—The fiscal year 2018 President’s budget request includes \$390,238,000, an increase of \$114,474,000 over amounts enacted in fiscal year 2017, for further development and integration of modifications to the AEGIS Weapon System. The Committee notes the significant capabilities the AEGIS combat system provides to the warfighter, to include countering current and expected future air, ballistic missile, surface and sub-surface threats. However, the Committee is concerned by the repeated annual programmatic, fiscal, and schedule perturbations in the Navy’s program. Further, the Committee is concerned by the apparent disconnect between the Navy and the Missile Defense Agency regarding Aegis baselines with Integrated Air and Missile Defense Capability, to include nomenclature, schedules, as well as joint and unique funding requirements. The Committee encourages the Navy and Missile Defense Agency to improve joint program efforts regarding the Aegis Integrated Air and Missile Defense Capability.

P-8A Poseidon.—The fiscal year 2018 President’s budget request includes \$181,731,000 for continued development of P-8A Poseidon

Increment III, an increase of \$69,411,000 over amounts appropriated in fiscal year 2017. The Committee remains concerned by the lack of budget clarity for the multiple engineering change proposals being developed under Increment III, which remains the budgetary equivalent of a major defense acquisition program, and sees no justification for an increase to the budget. Therefore, the Committee recommends a reduction of \$60,000,000.

Costs of Engineering Change Proposals for Missile Programs.—The fiscal year 2018 President's budget request includes no less than \$101,000,000 for five development efforts of the Tomahawk weapons system that the Navy plans to incorporate into current Tomahawk missiles through a series of engineering change proposals during the missiles' recertification process. The development of these modernization initiatives is budgeted at close to \$900,000,000 over the next 5 years, and cutting these efforts into production will significantly increase the Tomahawk missile's unit cost. The Committee recognizes and strongly supports the need to modernize the Tomahawk and other weapons systems through incremental upgrades, but is concerned that the Navy historically has failed to recognize the true cost of developing and procuring missile upgrades through engineering change proposals upfront. The Committee notes that as a result, when previously funded engineering change proposals transitioned from development to production, the Navy has had to reduce planned procurement quantities due to higher than budgeted costs. This has resulted in a loss of fielded capacity of at least two other families of missiles. The Committee directs the Assistant Secretary of the Navy (Research, Development and Acquisition) to review the Navy's acquisition practices for engineering change proposals in all its missile programs, to include cost estimating as well as measures to inject competition into modernization efforts, and to report back to the congressional defense committees with submission of the Fiscal Year 2019 budget request with his findings. Further, the Committee recommends no funds, a reduction of \$26,800,000, to initiate two new engineering change proposals for the Tomahawk weapon system in fiscal year 2018.

Advanced Energetics Research.—The Committee notes advances made by our adversaries in advanced energetics and believes the United States would benefit from a renewed, long-term investment in research and development for advanced energetics to increase the lethality, range and speed of weapons, develop new leap-ahead capabilities, and grow the national energetics workforce. Therefore, the Committee recommends additional funds for multi-domain research, development, prototyping and experimentation to lead to energetic weapons improvement. The Committee encourages the Office of Naval Research to execute the funding for the necessary efforts best suited to advance the overall knowledge, expertise and capability of energetics, to conduct a pilot program in rapid prototyping, technology transfer, technology business incubation and continuing education for the Navy energetics workforce, and to incorporate these developments into advanced weapon systems, when technologically feasible, as appropriate.

Navy Alternative Energy Research.—The Committee recommends \$15,000,000 in additional funds for Navy alternative energy re-

search, and \$10,000,000 for renewable energy technologies. The Committee notes the fiscal and operational value of investing in alternative energy research and encourages the Navy to continue research, development, test and deployment of advanced energy systems that have the potential to reduce the cost of energy and increase energy security, reliability and resiliency at Department of Defense facilities. The Committee understands that the integration of emerging land- and ocean-based energy generation and energy efficiency technologies could potentially improve the operational security and resiliency of critical physical and cyber-physical infrastructure and encourages the Navy to invest in energy demonstration activities relating to Department of Defense facilities and activities in coordination with other Federal agencies and entities.

Power Generation and Energy Storage Research.—The Committee continues to support Navy investments in power generation and energy storage research. The Committee notes that the 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 that improve the safety in lithium-ion batteries should be a research priority.

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

Improved Optical Space Surveillance.—The Committee understands the importance of improving ground-based space situational awareness, and encourages the Naval Research Laboratory to continue investments that significantly extend U.S. National space situational awareness capabilities.

Ocean Warfighting Environment.—The Committee notes the importance of basic research of the natural environment for technological developments that provide new or enhanced warfare capabilities for the battlespace environment, to include measuring, analyzing, modeling and simulating environmental factors affecting naval material and operations in the battlespace environment. The Chief of Naval Research is directed to provide a report to the congressional defense committees within 180 days after enactment of this act detailing the research being conducted in these areas, to include an assessment of ways to streamline the transition of technology through the science and technology "valley of death."

Research and Workforce Partnerships for Submarine and Undersea Vehicle Programs.—In order to support a potential increase in Navy submarine force structure, the Committee encourages the Chief of Naval Research and the Assistant Secretary of the Navy (Research, Development and Acquisition) to build stronger partnerships between the Office of Naval Research laboratories, Navy program offices, academia and U.S. nuclear shipyards for the purposes of leveraging additional research facilities, manufacturing tools and engineering expertise that will strengthen industrial capacity.

Coastal Environmental Research.—The Committee notes the importance of the littorals to the Navy and encourages the Chief of

Naval Research to focus additional research on the characteristics of the magnetic, electric, and acoustic ambient fields in the coastal ocean regions, and the development of predictive techniques to distinguish ships and submarines from naturally occurring background features.

Silicon Carbide Power Modules.—The Committee notes the recommendations in the 2015 Naval Power and Energy System Technology Development Roadmap for the development of advanced power electronics, to include silicon carbide power modules, which the Committee understands can reduce the size and weight of electronic systems needed to power advanced sensors and weapon systems. Noting space limitations in a shipboard environment, the Committee encourages the Chief of Naval Research to invest in cost reduction initiatives and the qualification of silicon carbide power modules in order to enable planned deployment of high-power, mission-critical systems on Navy platforms in the near future.

Unmanned Systems in a Maritime Environment.—The Committee recognizes the importance of unmanned maritime systems and the numerous challenges to incorporating these novel technologies onto the battlefield. The Committee understands that the development of a test range for unmanned maritime systems is underway and that ongoing oceanographic measurements in the region of the range are a critical gap. The Navy is encouraged to develop partnerships with research universities and to leverage the national oceanographic expertise to enhance Naval capabilities and fill this critical gap.

Maritime Port Security Technology.—The Committee notes the maritime security threats facing U.S. military and commercial ports, and the danger these pose to the Department of Defense, U.S. industry and critical maritime infrastructure. Therefore, the Committee recommends additional funds for the development of a maritime security technology integration framework to develop capabilities to support maritime surveillance, detection and warning.

Aircraft Engine Noise Reduction.—The Committee understands the difficulties near-field and far-field aircraft engine noise poses for communities surrounding military installations and service members working in close proximity to military aircraft. The Committee notes that the Navy has pursued noise reduction solutions, and understands that variable exhaust nozzle seal chevron technologies have the potential to contribute to noise reduction. The Committee encourages the Navy to continue to pursue researching these technologies.

Spectral and Reconnaissance Imagery for Tactical Exploitation.—The Committee is aware of the versatility and broad application the spectral and reconnaissance imagery for tactical exploitation sensor system brings to the warfighter in support of intelligence, surveillance and reconnaissance missions. The Committee understands that certain capabilities are available for integration and testing on current unmanned aircraft prior to the complete system being available and encourages the Navy to accelerate integration and test of these modular sensor systems.

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 (DoD), through the Office for 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.

Improving Performance of Military Platforms.—The Committee notes that turbulent boundary layers form along the surfaces of aircraft and marine platforms, and produce a force that opposes the motion of the subject vehicle. The Committee further notes that mitigating such drag can reduce fuel consumption and optimize performance of military platforms, such as ships, submarines, and transport and fighter aircraft. However, there is only limited domestic capability to study and quantify the impact of turbulent boundary layers on Naval platforms. Therefore, the Committee encourages the Office of Naval Research to review its existing infrastructure and technical capabilities to experimentally quantify aircraft and marine platforms turbulence, and to address any identified gaps.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Appropriations, 2017	\$27,788,548,000
Budget estimate, 2018	34,914,359,000
Committee recommendation	36,587,419,000

The Committee recommends an appropriation of \$36,587,419,000. This is \$1,673,060,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE			
	BASIC RESEARCH			
1	DEFENSE RESEARCH SCIENCES	342,919	342,919	.....
2	UNIVERSITY RESEARCH INITIATIVES	147,923	147,923	.....
3	HIGH ENERGY LASER RESEARCH INITIATIVES	14,417	14,417	.....
	TOTAL, BASIC RESEARCH	505,259	505,259	.....
	APPLIED RESEARCH			
4	MATERIALS	124,264	144,264	+ 20,000
5	AEROSPACE VEHICLE TECHNOLOGIES	124,678	139,678	+ 15,000
6	HUMAN EFFECTIVENESS APPLIED RESEARCH	108,784	108,784	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
7	AEROSPACE PROPULSION	192,695	197,695	+ 5,000
8	AEROSPACE SENSORS	152,782	159,282	+ 6,500
9	SCIENCE AND TECHNOLOGY MANAGEMENT—MAJOR HEAD- QUARTERS	8,353	8,353	.....
10	SPACE TECHNOLOGY	116,503	156,103	+ 39,600
11	CONVENTIONAL MUNITIONS	112,195	112,195	.....
12	DIRECTED ENERGY TECHNOLOGY	132,993	132,993	.....
13	DOMINANT INFORMATION SCIENCES AND METHODS	167,818	189,318	+ 21,500
14	HIGH ENERGY LASER RESEARCH	43,049	43,049	.....
	TOTAL, APPLIED RESEARCH	1,284,114	1,391,714	+ 107,600
	ADVANCED TECHNOLOGY DEVELOPMENT			
15	ADVANCED MATERIALS FOR WEAPON SYSTEMS	37,856	37,856	.....
16	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	22,811	22,811	.....
17	ADVANCED AEROSPACE SENSORS	40,978	47,978	+ 7,000
18	AEROSPACE TECHNOLOGY DEV/DEMO	115,966	115,966	.....
19	AEROSPACE PROPULSION AND POWER TECHNOLOGY	104,499	122,999	+ 18,500
20	ELECTRONIC COMBAT TECHNOLOGY	60,551	60,551	.....
21	ADVANCED SPACECRAFT TECHNOLOGY	58,910	83,910	+ 25,000
22	MAUI SPACE SURVEILLANCE SYSTEM [MSSS]	10,433	10,433	.....
23	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT	33,635	33,635	.....
24	CONVENTIONAL WEAPONS TECHNOLOGY	167,415	167,415	.....
25	ADVANCED WEAPONS TECHNOLOGY	45,502	45,502	.....
26	MANUFACTURING TECHNOLOGY PROGRAM	46,450	55,050	+ 8,600
27	BATTLESPACE KNOWLEDGE DEVELOPMENT & DEMONSTRATION ..	49,011	55,011	+ 6,000
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	794,017	859,117	+ 65,100
	ADVANCED COMPONENT DEVELOPMENT			
28	INTELLIGENCE ADVANCED DEVELOPMENT	5,652	7,652	+ 2,000
30	COMBAT IDENTIFICATION TECHNOLOGY	24,397	24,397	.....
31	NATO RESEARCH AND DEVELOPMENT	3,851	3,851	.....
33	INTERCONTINENTAL BALLISTIC MISSILE	10,736	30,736	+ 20,000
34	POLLUTION PREVENTION (DEM/VAL)	2	2	.....
35	LONG RANGE STRIKE	2,003,580	2,003,580	.....
36	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT	65,458	65,458	.....
37	ADVANCED TECHNOLOGY AND SENSORS	68,719	88,349	+ 19,630
38	NATIONAL AIRBORNE OPS CENTER [NAOC] RECAP	7,850	4,850	- 3,000
39	TECHNOLOGY TRANSFER	3,295	18,295	+ 15,000
40	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM	17,365	14,065	- 3,300
41	CYBER RESILIENCY OF WEAPON SYSTEMS—ACS	32,253	42,453	+ 10,200
44	DEPLOYMENT AND DISTRIBUTION ENTERPRISE R&D	26,222	26,222	.....
46	TECH TRANSITION PROGRAM	840,650	1,026,650	+ 186,000
47	GROUND BASED STRATEGIC DETERRENT	215,721	200,621	- 15,100
49	NEXT GENERATION AIR DOMINANCE	294,746	294,746	.....
50	THREE DIMENSIONAL LONG-RANGE RADAR	10,645	10,645	.....
52	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	41,509	41,509	.....
53	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	226,287	194,487	- 31,800
54	ENABLED CYBER ACTIVITIES	16,687	16,687	.....
55	SPECIAL TACTICS/COMBAT CONTROL	4,500	4,500	.....
56	CONTRACTING INFORMATION TECHNOLOGY SYSTEM	15,867	15,867	.....
57	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	253,939	332,439	+ 78,500
58	EO/IR WEATHER SYSTEMS	10,000	10,000	.....
59	WEATHER SYSTEM FOLLOW-ON	112,088	102,088	- 10,000
60	SPACE SITUATION AWARENESS SYSTEMS	34,764	44,764	+ 10,000
61	MIDTERM POLAR MILSATCOM SYSTEM	63,092	63,092	.....
62	SPACE CONTROL TECHNOLOGY	7,842	128,642	+ 120,800
63	SPACE SECURITY AND DEFENSE PROGRAM	41,385	38,385	- 3,000
64	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	18,150	18,150	.....
65	PROTECTED TACTICAL SERVICE (PTS)	24,201	24,201	.....
66	PROTECTED SATCOM SERVICES (PSCS)—AGGREGATED	16,000	16,000	.....
67	OPERATIONALLY RESPONSIVE SPACE	87,577	87,577	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, ADVANCED COMPONENT DEVELOPMENT	4,605,030	5,000,960	+ 395,930
	ENGINEERING & MANUFACTURING DEVELOPMENT			
68	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	5,100	5,100	.....
69	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT	101,203	101,203	.....
70	NUCLEAR WEAPONS SUPPORT	3,009	3,009	.....
71	ELECTRONIC WARFARE DEVELOPMENT	2,241	2,241	.....
72	TACTICAL DATA NETWORKS ENTERPRISE	38,250	38,250	.....
73	PHYSICAL SECURITY EQUIPMENT	19,739	19,739	.....
74	SMALL DIAMETER BOMB [SDB]	38,979	38,979	.....
78	AIRBORNE ELECTRONIC ATTACK	7,091	2,091	- 5,000
80	ARMAMENT/ORDNANCE DEVELOPMENT	46,540	46,540	.....
81	SUBMUNITIONS	2,705	2,705	.....
82	AGILE COMBAT SUPPORT	31,240	37,740	+ 6,500
84	LIFE SUPPORT SYSTEMS	9,060	9,060	.....
85	COMBAT TRAINING RANGES	87,350	83,850	- 3,500
86	F-35—EMD	292,947	292,947	.....
88	LONG RANGE STANDOFF WEAPON	451,290	451,290	.....
89	ICBM FUZE MODERNIZATION	178,991	178,991	.....
90	JOINT TACTICAL NETWORK CENTER (JTNC)	12,736	12,736	.....
91	JOINT TACTICAL NETWORK (JTN)	9,319	9,319	.....
92	F-22 MODERNIZATION INCREMENT 3.2B	13,600	13,600	.....
94	NEXT GENERATION AERIAL REFUELING AIRCRAFT KC-46	93,845	83,845	- 10,000
95	ADVANCED PILOT TRAINING	105,999	86,199	- 19,800
96	COMBAT RESCUE HELICOPTER	354,485	354,485	.....
100	AIR AND SPACE OPS CENTER 10.2	119,745	5,000	- 114,745
101	B-2 DEFENSIVE MANAGEMENT SYSTEM	194,570	143,370	- 51,200
102	NUCLEAR WEAPONS MODERNIZATION	91,237	91,237	.....
103	F-15 EPAWSS	209,847	209,847	.....
104	STAND IN ATTACK WEAPON	3,400	3,400	.....
105	FULL COMBAT MISSION TRAINING	16,727	8,727	- 8,000
109	NEXTGEN JSTARS	417,201	405,451	- 11,750
110	C-32 EXECUTIVE TRANSPORT RECAPITALIZATION	6,017	6,017	.....
111	PRESIDENTIAL AIRCRAFT REPLACEMENT	434,069	434,069	.....
112	AUTOMATED TEST SYSTEMS	18,528	18,528	.....
113	COMBAT SURVIVOR EVADER LOCATOR	24,967	24,967	.....
114	SPACE SITUATION AWARENESS OPERATIONS	10,029	10,029	.....
115	COUNTERSPACE SYSTEMS	66,370	66,370	.....
116	SPACE SITUATION AWARENESS SYSTEMS	48,448	48,448	.....
117	SPACE FENCE	35,937	62,837	+ 26,900
118	ADVANCED EHF MILSATCOM (SPACE)	145,610	145,610	.....
119	POLAR MILSATCOM (SPACE)	33,644	33,644	.....
120	WIDEBAND GLOBAL SATCOM (SPACE)	14,263	7,263	- 7,000
121	SPACE BASED INFRARED SYSTEM [SBIRS] HIGH EMD	311,844	324,644	+ 12,800
122	EVOLVED SBIRS	71,018	71,018	.....
123	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE)— EMD	297,572	397,572	+ 100,000
	TOTAL, ENGINEERING & MANUFACTURING DEVELOP- MENT	4,476,762	4,391,967	- 84,795
	RDT&E MANAGEMENT SUPPORT			
124	THREAT SIMULATOR DEVELOPMENT	35,405	35,405	.....
125	MAJOR T&E INVESTMENT	82,874	117,874	+ 35,000
126	RAND PROJECT AIR FORCE	34,346	34,346	.....
128	INITIAL OPERATIONAL TEST & EVALUATION	15,523	15,523	.....
129	TEST AND EVALUATION SUPPORT	678,289	705,689	+ 27,400
130	ACQ WORKFORCE— GLOBAL POWER	219,809	219,809	.....
131	ACQ WORKFORCE— GLOBAL VIG & COMBAT SYS	223,179	228,179	+ 5,000
132	ACQ WORKFORCE— GLOBAL REACH	138,556	138,556	.....
133	ACQ WORKFORCE— CYBER, NETWORK, & BUS SYS	221,393	206,393	- 15,000
134	ACQ WORKFORCE— GLOBAL BATTLE MGMT	152,577	147,577	- 5,000
135	ACQ WORKFORCE— CAPABILITY INTEGRATION	196,561	217,061	+ 20,500
136	ACQ WORKFORCE— ADVANCED PRGM TECHNOLOGY	28,322	28,322	.....
137	ACQ WORKFORCE— NUCLEAR SYSTEMS	126,611	121,111	- 5,500

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
140	MANAGEMENT HQ—R&D	9,154	9,154	.....
141	FACILITIES RESTORATION & MODERNIZATION—TEST & EVAL	135,507	135,507	.....
142	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	28,720	28,720	.....
143	REQUIREMENTS ANALYSIS AND MATURATION	35,453	142,453	+ 107,000
146	ENTERPRISE INFORMATION SERVICES (EIS)	29,049	29,049	.....
147	ACQUISITION AND MANAGEMENT SUPPORT	14,980	14,980	.....
148	GENERAL SKILL TRAINING	1,434	1,434	.....
150	INTERNATIONAL ACTIVITIES	4,569	4,569	.....
151	SPACE TEST AND TRAINING RANGE DEVELOPMENT	25,773	25,773	.....
152	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE	169,887	159,887	– 10,000
153	SPACE & MISSILE SYSTEMS CENTER—MHA	9,531	9,531	.....
154	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	20,975	33,975	+ 13,000
155	SPACE TEST PROGRAM (STP)	25,398	25,398	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	2,663,875	2,836,275	+ 172,400
	OPERATIONAL SYSTEMS DEVELOPMENT			
157	NUCLEAR WEAPONS SUPPORT	27,579	27,579	.....
158	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	5,776	5,776	.....
159	WIDE AREA SURVEILLANCE	16,247	16,247	.....
161	AIR FORCE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM	21,915	17,915	– 4,000
162	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	33,150	33,150	.....
163	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	66,653	66,653	.....
164	HC/MC–130 RECAP RDT&E	38,579	32,979	– 5,600
165	NG3 INTEGRATION	12,636	12,636	.....
166	B–52 SQUADRONS	111,910	107,310	– 4,600
167	AIR-LAUNCHED CRUISE MISSILE [ALCM]	463	463	.....
168	B–1B SQUADRONS	62,471	62,471	.....
169	B–2 SQUADRONS	193,108	171,108	– 22,000
170	MINUTEMAN SQUADRONS	210,845	210,845	.....
171	STRAT WAR PLANNING SYSTEM—USSTRATCOM	25,736	25,736	.....
173	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	6,272	13,272	+ 7,000
174	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK	11,032	11,032	.....
176	UH–1N REPLACEMENT PROGRAM	108,617	108,617	.....
177	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION	3,347	3,347	.....
179	MQ–9 UAV	201,394	190,994	– 10,400
182	A–10 SQUADRONS	17,459	17,459	.....
183	F–16 SQUADRONS	246,578	256,578	+ 10,000
184	F–15E SQUADRONS	320,271	320,271	.....
185	MANNED DESTRUCTIVE SUPPRESSION	15,106	15,106	.....
186	F–22 SQUADRONS	610,942	610,942	.....
187	F–35 SQUADRONS	334,530	256,717	– 77,813
188	TACTICAL AIM MISSILES	34,952	34,952	.....
189	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	61,322	61,322	.....
191	COMBAT RESCUE—PARARESCUE	693	693	.....
193	PRECISION ATTACK SYSTEMS PROCUREMENT	1,714	1,714	.....
194	COMPASS CALL	14,040	34,240	+ 20,200
195	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	109,243	109,243	.....
197	JOINT AIR-TO-SURFACE STANDOFF MISSILE [JASSM]	29,932	24,932	– 5,000
198	AIR AND SPACE OPERATIONS CENTER [AOC]	26,956	88,756	+ 61,800
199	CONTROL AND REPORTING CENTER [CRC]	2,450	2,450	.....
200	AIRBORNE WARNING AND CONTROL SYSTEM [AWACS]	151,726	151,726	.....
201	TACTICAL AIRBORNE CONTROL SYSTEMS	3,656	3,656	.....
203	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	13,420	15,920	+ 2,500
204	TACTICAL AIR CONTROL PARTY—MOD	10,623	10,623	.....
205	C2ISR TACTICAL DATA LINK	1,754	1,754	.....
206	DCAPES	17,382	17,382	.....
207	NATIONAL TECHNICAL NUCLEAR FORENSICS	2,307	2,307	.....
208	SEEK EAGLE	25,397	25,397	.....
209	USAF MODELING AND SIMULATION	10,175	10,175	.....
210	WARGAMING AND SIMULATION CENTERS	12,839	12,839	.....
211	DISTRIBUTED TRAINING AND EXERCISES	4,190	4,190	.....
212	MISSION PLANNING SYSTEMS	85,531	85,531	.....
213	TACTICAL DECEPTION	3,761	3,761	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
214	AF OFFENSIVE CYBERSPACE OPERATIONS	35,693	35,693	.....
215	AF DEFENSIVE CYBERSPACE OPERATIONS	20,964	20,964	.....
218	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	3,549	3,549	.....
219	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)	4,371	4,371	.....
227	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS	3,721	3,721	.....
228	E-4B NATIONAL AIRBORNE OPERATIONS CENTER [NAOC]	35,467	35,467	.....
230	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	48,841	27,841	- 21,000
231	INFORMATION SYSTEMS SECURITY PROGRAM	42,973	42,973	.....
232	GLOBAL COMBAT SUPPORT SYSTEM	105	105	.....
233	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE	2,147	2,147	.....
236	AIRBORNE SIGINT ENTERPRISE	121,948	121,948	.....
237	COMMERCIAL ECONOMIC ANALYSIS	3,544	3,544	.....
240	CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,542	1,542	.....
241	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,453	4,453	.....
243	WEATHER SERVICE	26,654	26,654	.....
244	AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC) ..	6,306	6,306	.....
245	AERIAL TARGETS	21,295	21,295	.....
248	SECURITY AND INVESTIGATIVE ACTIVITIES	415	415	.....
250	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	3,867	3,867	.....
257	DRAGON U-2	34,486	29,486	- 5,000
258	ENDURANCE UNMANNED AERIAL VEHICLES .....	.....	40,000	+ 40,000
259	AIRBORNE RECONNAISSANCE SYSTEMS	4,450	26,950	+ 22,500
260	MANNED RECONNAISSANCE SYSTEMS	14,269	14,269	.....
261	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	27,501	36,501	+ 9,000
262	RQ-4 UAV	214,849	222,849	+ 8,000
263	NETWORK-CENTRIC COLLABORATIVE TARGET [TIARA]	18,842	18,842	.....
265	NATO AGS	44,729	44,729	.....
266	SUPPORT TO DCGS ENTERPRISE	26,349	26,349	.....
269	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITEC- TURES	3,491	9,491	+ 6,000
271	RAPID CYBER ACQUISITION	4,899	4,899	.....
275	PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,445	2,445	.....
276	INTELLIGENCE MISSION DATA (IMD)	8,684	8,684	.....
278	C-130 AIRLIFT SQUADRON	10,219	10,219	.....
279	C-5 AIRLIFT SQUADRONS	22,758	11,758	- 11,000
280	C-17 AIRCRAFT	34,287	34,287	.....
281	C-130J PROGRAM	26,821	26,821	.....
282	LARGE AIRCRAFT IR COUNTERMEASURES [LAIRCM]	5,283	5,283	.....
283	KC-135S	9,942	9,942	.....
284	KC-10S	7,933	7,933	.....
285	OPERATIONAL SUPPORT AIRLIFT	6,681	6,681	.....
286	CV-22	22,519	22,519	.....
287	AMC COMMAND AND CONTROL SYSTEM	3,510	3,510	.....
288	SPECIAL TACTICS / COMBAT CONTROL	8,090	8,090	.....
289	DEPOT MAINTENANCE (NON-IF)	1,528	1,528	.....
290	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	31,677	31,677	.....
291	LOGISTICS INFORMATION TECHNOLOGY [LOGIT]	33,344	33,344	.....
292	SUPPORT SYSTEMS DEVELOPMENT	9,362	11,362	+ 2,000
293	OTHER FLIGHT TRAINING	2,074	2,074	.....
294	OTHER PERSONNEL ACTIVITIES	107	107	.....
295	JOINT PERSONNEL RECOVERY AGENCY	2,006	2,006	.....
296	CIVILIAN COMPENSATION PROGRAM	3,780	3,780	.....
297	PERSONNEL ADMINISTRATION	7,472	7,472	.....
298	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,563	1,563	.....
299	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT ..	91,211	91,211	.....
300	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES	14,255	14,255	.....
301	AF TENCAP	31,914	31,914	.....
302	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	32,426	56,526	+ 24,100
303	SATELLITE CONTROL NETWORK (SPACE)	18,808	18,808	.....
305	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS)	10,029	10,029	.....
306	SPACE AND MISSILE TEST AND EVALUATION CENTER	25,051	65,051	+ 40,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
307	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT	11,390	11,390	.....
308	INTEGRATED BROADCAST SERVICE (IBS)	8,747	8,747	.....
309	SPACELIFT RANGE SYSTEM (SPACE)	10,549	20,549	+ 10,000
310	GPS III SPACE SEGMENT	243,435	215,435	- 28,000
311	SPACE SUPERIORITY INTELLIGENCE	12,691	10,691	- 2,000
312	JSPOC MISSION SYSTEM	99,455	147,955	+ 48,500
313	NATIONAL SPACE DEFENSE CENTER	18,052	86,052	+ 68,000
314	SHARED EARLY WARNING [SEW]	1,373	1,373	.....
315	NCMC—TW/AA SYSTEM	5,000	5,000	.....
316	NUDET DETECTION SYSTEM (SPACE)	31,508	31,508	.....
317	SPACE SITUATION AWARENESS OPERATIONS	99,984	131,984	+ 32,000
318	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT	510,938	510,938	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	5,647,300	5,862,487	+ 215,187
9999	CLASSIFIED PROGRAMS	14,938,002	15,739,640	+ 801,638
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE	34,914,359	36,587,419	+ 1,673,060

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
4	Materials	124,264	144,264	+ 20,000
	Program increase: Certification of advanced composites .....	.....	.....	+ 15,000
	Program increase: Coatings .....	.....	.....	+ 5,000
5	Aerospace Vehicle Technologies	124,678	139,678	+ 15,000
	Program increase: Hypersonic vehicle structures .....	.....	.....	+ 10,000
	Program increase: Hypersonic research capability development .....	.....	.....	+ 5,000
7	Aerospace Propulsion	192,695	197,695	+ 5,000
	Program increase .....	.....	.....	+ 5,000
8	Aerospace Sensors	152,782	159,282	+ 6,500
	Program increase: Research by minority leaders program .....	.....	.....	+ 2,500
	Program increase .....	.....	.....	+ 4,000
10	Space Technology	116,503	156,103	+ 39,600
	Program increase: Small satellites for resiliency and augmentation of space architecture .....	.....	.....	+ 19,600
	Program increase .....	.....	.....	+ 20,000
13	Dominant Information Sciences and Methods	167,818	189,318	+ 21,500
	Program increase: Radar-based C-UAS systems .....	.....	.....	+ 6,000
	Program increase .....	.....	.....	+ 15,500
17	Advanced Aerospace Sensors	40,978	47,978	+ 7,000
	Program increase .....	.....	.....	+ 7,000
19	Aerospace Propulsion and Power Technology	104,499	122,999	+ 18,500
	Program increase: Silicon carbide research .....	.....	.....	+ 11,000
	Program increase .....	.....	.....	+ 7,500
21	Advanced Spacecraft Technology	58,910	83,910	+ 25,000
	Program increase: Commercial SSA consortia/testbed .....	.....	.....	+ 15,000
	Program increase .....	.....	.....	+ 10,000
26	Manufacturing Technology Program	46,450	55,050	+ 8,600
	Program increase: F-35 battery technology .....	.....	.....	+ 8,600
27	Battlespace Knowledge Development and Demonstration	49,011	55,011	+ 6,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Radar-based C-UAS systems			+ 6,000
28	Intelligence Advanced Development	5,652	7,652	+ 2,000
	Program increase: Distributed common ground systems			+ 2,000
33	Intercontinental Ballistic Missile—Dem/Val	10,736	30,736	+ 20,000
	Program increase			+ 20,000
37	Advanced Technology and Sensors	68,719	88,349	+ 19,630
	Program increase: Advanced Synthetic Aperture Radar Systems [ASARS—2B]			+ 11,500
	Program increase: Hyperspectral chip development			+ 8,130
38	National Airborne Ops Center [NAOC] Recap	7,850	4,850	- 3,000
	Maintain program affordability: Recap excess to need			- 3,000
39	Technology Transfer	3,295	18,295	+ 15,000
	Program increase: Technology partnerships			+ 15,000
40	Hard and Deeply Buried Target Defeat System [HDBTDS] Program	17,365	14,065	- 3,300
	Maintain program affordability: Excess to need for Advanced 5000 Pound Penetrator			- 3,300
41	Cyber Resiliency of Weapon Systems-ACS	32,253	42,453	+ 10,200
	Program increase: Cybersecurity and resiliency for weapon systems			+ 10,200
46	Tech Transition Program	840,650	1,026,650	+ 186,000
	Program increase: Light attack combat demonstration			+ 100,000
	Program increase: Directed energy prototyping			+ 70,000
	Program increase: Logistics technologies			+ 10,000
	Program increase: Alternative energy research			+ 6,000
47	Ground Based Strategic Deterrent	215,721	200,621	- 15,100
	Improving funds management: Forward financed			- 15,100
53	Cyber Operations Technology Development	226,287	194,487	- 31,800
	Maintain program affordability: Unjustified program growth			- 31,800
57	NAVSTAR Global Positioning System (User Equipment) (SPACE)	253,939	332,439	+ 78,500
	Program increase: Military GPS user equipment—INC2—handhelds			+ 98,500
	Improving funds management: Prior year carryover			- 20,000
59	Weather System Follow-on	112,088	102,088	- 10,000
	Program increase: Commercial Weather Data pilot program			+ 10,000
	Improving funds management: Prior year carryover			- 20,000
60	Space Situation Awareness Systems	34,764	44,764	+ 10,000
	Program increase			+ 10,000
62	Space Control Technology	7,842	128,642	+ 120,800
	Program increase: Space Enterprise Defense Implementation			+ 7,000
	Program increase: Space Defense Force Packaging			+ 113,800
63	Space Security and Defense Program	41,385	38,385	- 3,000
	Maintain program affordability: Unjustified growth			- 3,000
78	Airborne Electronic Attack	7,091	2,091	- 5,000
	Improving funds management: Forward financed			- 5,000
82	Agile Combat Support	31,240	37,740	+ 6,500
	Program increase: Civil engineering readiness			+ 3,500
	Program increase: PACOM joint expeditionary airfield damage repair initiative			+ 3,000
85	Combat Training Ranges	87,350	83,850	- 3,500
	Program increase: Test range threat systems			+ 6,000
	Improving funds management: Forward financed			- 9,500
94	KC-46	93,845	83,845	- 10,000
	Restoring acquisition accountability: Delayed test program			- 10,000
95	Advanced Pilot Training	105,999	86,199	- 19,800

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: Contract award delay			- 19,800
100	Air & Space Ops Center 10.2 RDT&E	119,745	5,000	- 114,745
	Transfer: Air Force-requested to RDAF line 198 and OMAF SAG 11C			- 84,800
	Program termination: AOC 10.2			- 29,945
101	B-2 Defensive Management System	194,570	143,370	- 51,200
	Restoring acquisition accountability: Technical and programmatic changes to acquisition strategy			- 51,200
105	Full Combat Mission Training	16,727	8,727	- 8,000
	Improving funds management: Forward financed			- 8,000
109	JSTARS Recap	417,201	405,451	- 11,750
	Maintain program affordability: Excess management services			- 11,750
117	Space Fence	35,937	62,837	+ 26,900
	Program increase: Space fence site 1 and ground based operational surveillance system			+ 26,900
120	Wideband Global SATCOM (SPACE)	14,263	7,263	- 7,000
	Reduce duplication: AoA effort			- 7,000
121	Space Based Infrared System (SBIRS) High EMD	311,844	324,644	+ 12,800
	Program increase: Fix upgrades SBIRS SST Phase 3			+ 12,800
123	Evolved Expendable Launch Vehicle Program (SPACE)—EMD	297,572	397,572	+ 100,000
	Program increase			+ 100,000
125	Major T&E Investment	82,874	117,874	+ 35,000
	Program increase			+ 15,000
	Program increase: T&E range investments			+ 15,000
	Program increase: Weapon system cyber resiliency—test and evaluation			+ 5,000
129	Test and Evaluation Support	678,289	705,689	+ 27,400
	Program increase: 4th Gen Mods: Adds 1 F-15C, 1 F-15E, 6 F-16s and 1 B-1 test aircraft			+ 23,000
	Program increase: Weapon system cyber resiliency—test and evaluation			+ 4,400
131	Acq Workforce- Global Vig & Combat Sys	223,179	228,179	+ 5,000
	Transfer: Air Force requested from RDTE line 134			+ 5,000
133	Acq Workforce- Cyber, Network, & Bus Sys	221,393	206,393	- 15,000
	Transfer: Air Force requested to RDTE line 135			- 15,000
134	Acq Workforce- Global Battle Mgmt	152,577	147,577	- 5,000
	Transfer: Air Force requested to RDTE line 131			- 5,000
135	Acq Workforce- Capability Integration	196,561	217,061	+ 20,500
	Transfer: Air Force requested from RDTE lines 133 and 137			+ 20,500
137	Acq Workforce- Nuclear Systems	126,611	121,111	- 5,500
	Transfer: Air Force requested to RDTE line 135			- 5,500
143	Requirements Analysis and Maturation	35,453	142,453	+ 107,000
	Program increase: Modeling and simulation—joint simulation environment			+ 70,000
	Program increase: Global Strike Command analytics			+ 7,000
	Program increase: Air superiority 2030 planning for development			+ 30,000
152	Space and Missile Center (SMC) Civilian Workforce	169,887	159,887	- 10,000
	Maintain program affordability: Maintain level of effort following transfer of positions.			- 10,000
154	Rocket Systems Launch Program (SPACE)	20,975	33,975	+ 13,000
	Program increase			+ 13,000
161	AF Integrated Personnel and Pay System (AF-IPPS)	21,915	17,915	- 4,000
	Maintain program affordability: Unjustified program growth			- 4,000
164	HC/MC-130 Recap RDT&E	38,579	32,979	- 5,600
	Restoring acquisition accountability: Block 8 development early to need			- 5,600
166	B-52 Squadrons	111,910	107,310	- 4,600

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Restoring acquisition accountability: GPS-IU contract award delay			-4,600
169	B-2 Squadrons	193,108	171,108	-22,000
	Improving funds management: Forward financed			-13,000
	Restoring acquisition accountability: JASSM-ER integration early to need			-8,000
	Maintain program affordability: Airspace compliance excess to need			-1,000
173	Worldwide Joint Strategic Communications	6,272	13,272	+7,000
	Program increase: NC3 architecture development			+7,000
179	MQ-9 UAV	201,394	190,994	-10,400
	Maintain program affordability: Release 3 excess to need			-10,400
183	F-16 Squadrons	246,578	256,578	+10,000
	Program increase: F-16 Multifunctional Information Distribution System-JTRS			+10,000
187	F-35 Squadrons	334,530	256,717	-77,813
	Improving funds management: Follow on modernization early to need			-77,813
194	Compass Call	14,040	34,240	+20,200
	Program increase: EC-X/Compass Call Cross Deck			+20,200
197	Joint Air-to-Surface Standoff Missile [JASSM]	29,932	24,932	-5,000
	Insufficient budget justification: Capability enhancements			-5,000
198	Air & Space Operations Center [AOC]	26,956	88,756	+61,800
	Transfer: Air Force-requested from RDAF line 100			+61,800
203	Combat Air Intelligence System Activities	13,420	15,920	+2,500
	Program increase			+2,500
230	Minimum Essential Emergency Communications Network [MEECN]	48,841	27,841	-21,000
	Improving funds management: Forward financed			-21,000
257	Dragon U-2	34,486	29,486	-5,000
	Improving funds management: Forward financed			-5,000
258	Endurance Unmanned Aerial Vehicles		40,000	+40,000
	Program increase: Ultra-long endurance aircraft			+40,000
259	Airborne Reconnaissance Systems	4,450	26,950	+22,500
	Program increase: Multi-mission payload program			+17,500
	Program increase			+5,000
261	Distributed Common Ground/Surface Systems	27,501	36,501	+9,000
	Program increase: Open architecture and SIGINT integration			+9,000
262	RQ-4 UAV	214,849	222,849	+8,000
	Program increase: UPA for Block 40s			+8,000
269	International Intelligence Technology and Architectures	3,491	9,491	+6,000
	Transfer: Air Force-requested from OPAF line 13			+6,000
279	C-5 Airlift Squadrons (IF)	22,758	11,758	-11,000
	Improving funds management: Forward financed			-11,000
292	Support Systems Development	9,362	11,362	+2,000
	Program increase			+2,000
302	Family of Advanced BLoS Terminals [FAB-T]	32,426	56,526	+24,100
	Program increase: Fix POTUS national voice conference integration			+21,700
	Program increase: NC3 FAB-T CPT			+7,400
	Improving funds management: Prior year carryover			-5,000
306	Space and Missile Test and Evaluation Center	25,051	65,051	+40,000
	Program increase: Space Enterprise Defense Implementation			+40,000
309	Spacelift Range System (SPACE)	10,549	20,549	+10,000
	Program increase: Space launch range services			+10,000
310	GPS III Space Segment	243,435	215,435	-28,000
	Improving funds management: Prior year carryover			-7,500
	Reduce duplication: M-code			-20,500
311	Space Superiority Intelligence	12,691	10,691	-2,000
	Improving funds management: Prior year carryover			-2,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
312	JSpOC Mission System	99,455	147,955	+ 48,500
	Program increase: Space Enterprise Defense Implementation			+ 48,500
313	National Space Defense Center	18,052	86,052	+ 68,000
	Program increase: Fix enterprise space battle management command and control			+ 68,000
317	Space Situation Awareness Operations	99,984	131,984	+ 32,000
	Program increase: Space fence site 1 and ground based operational surveillance system			+ 32,000
999	Classified Programs	14,938,002	15,739,640	+ 801,638
	Classified adjustment			+ 801,638

Long Range Strike Bomber.—The Committee recommendation includes \$2,003,580,000, the same as the budget request, for the development of the B-21 Long Range Strike Bomber. To more easily oversee the development progress of the next generation bomber, the Committee directs the Rapid Capabilities Office to provide quarterly briefings on the B-21 program to the congressional defense committees. The quarterly briefings should include updated data by month of planned and actual: (1) personnel levels, (2) obligations and expenditures, (3) software builds, and (4) design packages.

Small Diameter Bomb Modifications.—The Committee understands ongoing counter-terrorism operations drive the current need for Global Positioning System [GPS] guided air-to-ground missiles like the Small Diameter Bomb. However, the increasing risk of GPS jamming threatens the warfighter's ability to strike targets precisely with low collateral damage in many areas of the globe. The Committee appreciates the work of the Strategic Capabilities Office in developing methods for legacy weapons to navigate using alternative sources to GPS and encourages the Air Force to apply these modifications to an increasing percentage of their munitions inventories in the future.

Joint Surveillance and Target Attack Radar System.—The fiscal year 2018 budget request includes \$417,201,000 for the Joint Surveillance and Target Attack Radar System [JSTARS] recapitalization program, of which more than \$370,000,000 is budgeted to support the start of the Engineering and Manufacturing Development [EMD] phase. Similar to schedule delays in the last three budget requests, the fiscal year 2018 request delays the EMD contract award from early fiscal year 2018 to the late fiscal year 2018. As a result, the Committee extends the period of obligation or expenditure of funds for pre-milestone activities to June 30, 2018.

Following the release of the budget, Air Force leadership informed several members of Congress that the Air Force plans to reconsider alternatives to the JSTARS recapitalization program. The Committee encourages the Air Force to award the JSTARS EMD contract as soon as possible and continue efforts to accelerate initial operational capability in 2024 and full operational capability in 2028. An analysis of alternatives was completed prior to initiating the recapitalization program in 2011 and reviewed again prior to the Milestone A decision in 2015. The Committee is concerned that another review will result in further delays, contradicting the in-

tent of the program to rapidly integrate mature technologies onto an existing platform. Therefore, the Committee encourages the Air Force to only consider follow-on modernization efforts to a fielded JSTARS recapitalization platform. This approach aligns with the Air Force's acquisition strategy for the JSTARS recapitalization program to competitively develop mission capability with a modular, open services-based architecture.

If the Secretary of the Air Force cancels or modifies the current JSTARS recapitalization acquisition strategy, the Committee directs the Secretary of Defense to submit a report to the congressional defense committees to include: (1) a justification for the new strategy and the impact on each service and combatant command, (2) a certification that the new strategy does not result in capability gaps to the combatant commanders, and (3) an assessment on whether the Air Force or Army is best positioned to execute the new acquisition strategy.

Further, the Committee notes that the current JSTARS fleet provides significant joint air command and control capabilities in both land and maritime areas and strongly encourages the Department to fund all necessary modifications to the current JSTARS fleet in order to continue worldwide missions, avoid degradation of mission performance, and meet Combatant Commander requirements.

Civilian Personnel.—The fiscal year 2018 President's budget request transfers 10,458 civilian full time equivalents [FTE] and \$1,202,613,000 from Operation and Maintenance, Air Force to Research, Development, Test and Evaluation, Air Force [RDTE, AF] to support the civilian personnel costs of the acquisition workforce. The intent of the transfer is to improve budget flexibility and address changing requirements as acquisition programs begin and evolve. The Committee supports this proposal, but wants to ensure that there is increased visibility and appropriate execution. Therefore, the Committee directs the Secretary of the Air Force to provide semi-annual updates to the congressional defense committees on civilian personnel funding in RDTE, AF by program element, and not limited to the acquisition workforce, to include: (1) the number of civilian FTEs and funding programmed in the current fiscal year and annually over the next five fiscal years, (2) the number of civilian FTEs and funding executed in the current and previous fiscal years, (3) explanation of all below the threshold and above the threshold reprogrammings involving civilian personnel, and (4) the impact on the staffing and effectiveness of the acquisition programs. 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.

Distributed Common Ground Systems.—The Committee recognizes the importance the Air Force's globally networked intelligence, surveillance, and reconnaissance [ISR] enterprise, referred to as Distributed Common Ground Systems [DCGS]. The Committee commends the warfighters that collect, process, exploit, and deliver tailored, real-time intelligence and recommends an additional \$92,300,000 in Other Procurement, Air Force and Research, Development, Test and Evaluation, Air Force funding to support DCGS modernization.

However, the Committee understands that several deficiencies exist with DCGS, including that the enterprise is: (1) too stove-piped, making it difficult for the warfighter to provide integrated products that incorporate different types of intelligence from different weapon systems across different levels of classification, (2) not survivable against cyber threats, and (3) comprised of eight separate acquisition programs, all of which are in the sustainment phase despite new capabilities being regularly tested and fielded. Further, the Committee understands that the Air Force plans to transition DCGS to an open architecture, but will rely on existing legacy systems until 2024. Therefore, the Committee directs the Secretary of the Air Force to submit a report to the congressional defense committees not later than 150 days after enactment of this act on a DCGS Modernization Roadmap, to include: (1) a plan to accelerate the transition of the eight acquisition programs and all planned capabilities to an open architecture, (2) a plan to achieve cyber security for the DCGS enterprise, (3) a summary by appropriation of funding to sustain, develop, test, and field capabilities, and (4) opportunities to use agile software development practices.

Global Hawk.—The Committee recognizes the importance of the Block 40 variant of the Global Hawk fleet that supports ground forces with intelligence, surveillance and reconnaissance on moving targets. The Committee understands that the Air Force plans to modify the fleet with a universal payload adapter [UPA] to increase flexibility and capability. The Committee recommends an additional \$8,000,000 for the Air Force to accelerate the integration of the UPA to the Block 40 while continuing currently planned, critical modernization efforts to the Global Hawk fleet.

SPACE PROGRAMS

Weather.—The Committee has long advocated that the Air Force ensure that the next generation of weather satellites meet the full spectrum of warfighter and intelligence requirements, that other weather coverage gaps are met using appropriate civil or international weather assets, and that urgent needs for electro-optical/infrared coverage for cloud characterization and weather forecasting, particularly in the CENTCOM theater of operations are met with rapid capability solutions. The Committee is encouraged that the fiscal year 2018 President's budget submission shows the Air Force's commitment to all of these efforts.

While the Committee supports the comprehensive plan, it recommends that the Secretary of the Air Force examine the possibility of achieving cost savings by combining the short-term Operationally Responsive Space-8 (ORS-8) electro-optical/infrared solution with the long-term Weather System Follow-On electro-optical/infrared [WSF-E] solution. The Committee recommends that the Secretary examine whether vendor solutions for the ORS-8 mission could meet WSF-E requirements and consider proposal submission that are over budget for ORS-8, but if used to satisfy long-term WSF-E requirements, could achieve overall cost savings to the Air Force. Finally, the Committee directs the Secretary of the Air Force to continue efforts to examine the use of commercial weather data to supplement existing assets and fill future coverage gaps and rec-

ommends \$10,000,000 for the commercial weather data pilot program.

Space Acquisition Strategy.—In early 2017, the Office of Cost Assessment and Program Evaluation [CAPE] provided an analysis of national security space acquisition that found a troubling pattern of near-simultaneous recapitalization of almost every Department of Defense satellite system. The analysis showed a dramatic decrease in spending on space research and development following recapitalization that resulted in reductions in the numbers of scientists and engineers at major satellite contractors in the following decade. This industrial base decline, in turn, resulted in even higher costs during the next recapitalization phase as contractors and the government had to rebuild a skilled workforce for several satellite architectures concurrently.

The Committee is concerned that the Air Force is about to embark on another near-simultaneous recapitalization as the Air Force plans for new development or completely new architectures in Space Situation Awareness, Positioning, Navigation and Timing, Weather, Early Warning, Wideband Communications, and Protected Communications. In light of the CAPE findings and expected continued budget constraints, the Committee recommends that the Secretary of the Air Force reexamine current recapitalization plans to focus on those highest priority programs that must enter a near-term redevelopment phase and determine whether other programs can replace ageing satellites with continued production of current designs in the near-term in order to stagger architecture recapitalization, better protect the industrial base, and potentially achieve cost savings.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Appropriations, 2017	\$18,778,550,000
Budget estimate, 2018	20,490,902,000
Committee recommendation	21,680,660,000

The Committee recommends an appropriation of \$21,680,660,000. This is \$1,189,758,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVAL, DEFENSE-WIDE			
	BASIC RESEARCH			
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH ..	37,201	37,201	.....
2	DEFENSE RESEARCH SCIENCES	432,347	408,837	- 23,510
3	BASIC RESEARCH INITIATIVES	40,612	40,612	.....
4	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	43,126	43,126	.....
5	NATIONAL DEFENSE EDUCATION PROGRAM	74,298	103,298	+ 29,000
6	HISTORICALLY BLACK COLLEGES & UNIV (HBCU)	25,865	25,865	.....
7	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	43,898	43,898	.....
	TOTAL, BASIC RESEARCH	697,347	702,837	+ 5,490

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	APPLIED RESEARCH			
8	JOINT MUNITIONS TECHNOLOGY	19,111	19,111	.....
9	BIOMEDICAL TECHNOLOGY	109,360	109,360	.....
11	LINCOLN LABORATORY RESEARCH PROGRAM	49,748	49,748	.....
12	APPLIED RESEARCH FOR ADVANCEMENT S&T PRIORITIES	49,226	49,226	.....
13	INFORMATION AND COMMUNICATIONS TECHNOLOGY	392,784	392,784	.....
14	BIOLOGICAL WARFARE DEFENSE	13,014	13,014	.....
15	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	201,053	203,053	+ 2,000
16	CYBER SECURITY RESEARCH	14,775	14,775	.....
17	TACTICAL TECHNOLOGY	343,776	312,776	- 31,000
18	MATERIALS AND BIOLOGICAL TECHNOLOGY	224,440	201,896	- 22,544
19	ELECTRONICS TECHNOLOGY	295,447	295,447	.....
20	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES	157,908	157,908	.....
21	SOFTWARE ENGINEERING INSTITUTE	8,955	8,955	.....
22	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT	34,493	34,493	.....
	TOTAL, APPLIED RESEARCH	1,914,090	1,862,546	- 51,544
	ADVANCED TECHNOLOGY DEVELOPMENT			
23	JOINT MUNITIONS ADVANCED TECH INSENSITIVE MUNITIONS AD	25,627	25,627	.....
24	COMBATING TERRORISM TECHNOLOGY SUPPORT	76,230	123,730	+ 47,500
25	FOREIGN COMPARATIVE TESTING	24,199	22,199	- 2,000
26	COUNTERPROLIFERATION INITIATIVES-PROLIF PREV & DEFEAT ..	268,607	268,607	.....
27	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	12,996	12,996	.....
29	WEAPONS TECHNOLOGY	5,495	5,495	.....
31	ADVANCED RESEARCH	20,184	20,184	.....
32	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,662	18,662	.....
35	ADVANCED AEROSPACE SYSTEMS	155,406	120,406	- 35,000
36	SPACE PROGRAMS AND TECHNOLOGY	247,435	247,435	.....
37	ANALYTIC ASSESSMENTS	13,154	13,154	.....
38	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	37,674	37,674	.....
39	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS-MHA	15,000	15,000	.....
40	COMMON KILL VEHICLE TECHNOLOGY	252,879	56,879	- 196,000
41	DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX)	29,594	34,594	+ 5,000
42	TECHNOLOGY INNOVATION	59,863	39,863	- 20,000
43	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM-ADVANCED DEV	145,359	145,359	.....
44	RETRACT LARCH	171,120	171,120	.....
45	JOINT ELECTRONIC ADVANCED TECHNOLOGY	14,389	14,389	.....
46	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	105,871	105,871	.....
47	NETWORKED COMMUNICATIONS CAPABILITIES	12,661	12,661	.....
48	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	136,159	176,159	+ 40,000
49	MANUFACTURING TECHNOLOGY PROGRAM	40,511	40,511	.....
50	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT	57,876	80,376	+ 22,500
51	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	10,611	16,611	+ 6,000
53	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	71,832	74,832	+ 3,000
54	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT	219,803	249,803	+ 30,000
55	JOINT WARFIGHTING PROGRAM	6,349	6,349	.....
56	ADVANCED ELECTRONICS TECHNOLOGIES	79,173	79,173	.....
57	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	106,787	93,295	- 13,492
58	NETWORK-CENTRIC WARFARE TECHNOLOGY	439,386	439,386	.....
59	SENSOR TECHNOLOGY	210,123	195,740	- 14,383
60	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	11,211	11,211	.....
62	SOFTWARE ENGINEERING INSTITUTE	15,047	15,047	.....
63	QUICK REACTION SPECIAL PROJECTS	69,203	67,203	- 2,000
64	ENGINEERING SCIENCE AND TECHNOLOGY	25,395	25,395	.....
65	TEST & EVALUATION SCIENCE & TECHNOLOGY	89,586	105,586	+ 16,000
66	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	38,403	40,903	+ 2,500
67	CWMD SYSTEMS	33,382	33,382	.....
68	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT ..	72,605	95,605	+ 23,000
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	3,445,847	3,358,472	- 87,375

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	DEMONSTRATION & VALIDATION			
69	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	32,937	32,937	.....
70	WALKOFF	101,714	101,714	.....
72	ACQUISITION ENTERPRISE DATA AND INFORMATION SERVICES ...	2,198	2,198	.....
73	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	54,583	54,583	.....
74	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	230,162	508,662	+ 278,500
75	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT ...	828,097	980,093	+ 151,996
76	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	148,518	138,593	- 9,925
77	BALLISTIC MISSILE DEFENSE SENSORS	247,345	291,307	+ 43,962
77A	HOMELAND DEFENSE RADAR—HAWAII .....	.....	109,000	+ 109,000
78	BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS	449,442	508,384	+ 58,942
79	SPECIAL PROGRAMS—MDA	320,190	320,190	.....
80	AEGIS BMD	852,052	749,005	- 103,047
83	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT	430,115	463,115	+ 33,000
84	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	48,954	48,954	.....
	BALLISTIC MISSILE DEFENSE INTERGRATION AND OPERATIONS CENTER (MDIOC)	53,265	53,265	.....
86	REGARDING TRENCH	9,113	9,113	.....
87	SEA BASED X-BAND RADAR (SBX)	130,695	143,695	+ 13,000
88	ISRAELI COOPERATIVE PROGRAMS	105,354	373,800	+ 268,446
89	BALLISTIC MISSILE DEFENSE TEST	305,791	331,191	+ 25,400
90	BALLISTIC MISSILE DEFENSE TARGETS	410,425	467,546	+ 57,121
91	HUMANITARIAN DEMINING	10,837	10,837	.....
92	COALITION WARFARE	10,740	10,740	.....
93	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,837	3,837	.....
94	TECHNOLOGY MATURATION INITIATIVES	128,406	164,406	+ 36,000
95	MISSILE DEFEAT PROJECT	98,369	98,369	.....
96	HYPERSONIC DEFENSE	75,300	55,100	- 20,200
97	ADVANCED INNOVATIVE TECHNOLOGIES	1,175,832	1,200,832	+ 25,000
98	TRUSTED AND ASSURED MICROELECTRONICS	83,626	83,626	.....
99	RAPID PROTOTYPING PROGRAM	100,000	100,000	.....
101	DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT	3,967	7,967	+ 4,000
102	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,833	3,833	.....
104	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY	23,638	23,638	.....
105	LONG RANGE DISCRIMINATION RADAR	357,659	370,159	+ 12,500
106	IMPROVED HOMELAND DEFENSE INTERCEPTORS	465,530	693,730	+ 228,200
107	BMD TERMINAL DEFENSE SEGMENT TEST	36,239	36,239	.....
108	AEGIS BMD TEST	134,468	134,468	.....
109	BALLISTIC MISSILE DEFENSE SENSOR TEST	84,239	84,239	.....
110	LAND-BASED SM-3 [LBSM3]	30,486	30,486	.....
111	AEGIS SM-3 BLOCK IIA CO-DEVELOPMENT	9,739	9,739	.....
112	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT TEST	76,757	86,057	+ 9,300
113	MULTI-OBJECT KILL VEHICLE	6,500	6,500	.....
114	JOINT ELECTROMAGNETIC TECHNOLOGY [JET] PROGRAM	2,902	2,902	.....
115	CYBER SECURITY INITIATIVE	986	986	.....
116	SPACE TRACKING AND SURVEILLANCE SYSTEM	34,907	34,907	.....
117	BALLISTIC MISSILE DEFENSE SYSEM SPACE PROGRAMS	16,994	16,994	.....
	NATIONAL SECURITY TECHNOLOGY ACCELERATOR/MDS .....	.....	25,500	+ 25,500
	TOTAL, DEMONSTRATION & VALIDATION	7,736,741	8,983,436	+ 1,246,695
	ENGINEERING & MANUFACTURING DEVELOPMENT			
118	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	12,536	12,536	.....
119	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	201,749	201,749	.....
120	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	406,789	368,887	- 37,902
122	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM [JTIDS] ...	15,358	17,858	+ 2,500
123	WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES	6,241	6,241	.....
124	INFORMATION TECHNOLOGY DEVELOPMENT	12,322	11,322	- 1,000
125	HOMELAND PERSONNEL SECURITY INITIATIVE	4,893	4,893	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
126	DEFENSE EXPORTABILITY PROGRAM	3,162	2,162	- 1,000
127	OUSD(C) IT DEVELOPMENT INITIATIVES	21,353	21,353	.....
128	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION	6,266	6,266	.....
129	DCMO POLICY AND INTEGRATION	2,810	2,810	.....
130	DEFENSE AGENCY INITIATIVES FINANCIAL SYSTEM	24,436	24,436	.....
131	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)	13,475	13,475	.....
133	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITY	11,870	11,870	.....
134	TRUSTED & ASSURED MICROELECTRONICS	61,084	61,084	.....
135	GLOBAL COMBAT SUPPORT SYSTEM	2,576	2,576	.....
136	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)	3,669	3,669	.....
137	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION	8,230	8,230	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	818,819	781,417	- 37,402
	RDT&E MANAGEMENT SUPPORT			
138	DEFENSE READINESS REPORTING SYSTEM (DRRS)	6,941	6,941	.....
139	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	4,851	4,851	.....
140	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT	211,325	211,325	.....
141	ASSESSMENTS AND EVALUATIONS	30,144	30,144	.....
142	MISSION SUPPORT	63,769	63,769	.....
143	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	91,057	91,057	.....
144	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	22,386	22,386	.....
145	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION	36,581	36,581	.....
146	CLASSIFIED PROGRAM USD(P) .....	.....	138,494	+ 138,494
147	SYSTEMS ENGINEERING	37,622	37,622	.....
148	STUDIES AND ANALYSIS SUPPORT	5,200	5,200	.....
149	NUCLEAR MATTERS—PHYSICAL SECURITY	5,232	5,232	.....
150	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	12,583	12,583	.....
151	GENERAL SUPPORT TO USD (INTELLIGENCE)	31,451	31,451	.....
152	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	104,348	104,348	.....
161	SMALL BUSINESS INNOVATION RESEARCH/TECHNOLOGY TRANSFER	2,372	2,372	.....
162	DEFENSE TECHNOLOGY ANALYSIS	24,365	27,365	+ 3,000
163	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	54,145	54,145	.....
164	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	30,356	22,856	- 7,500
165	DEVELOPMENT TEST AND EVALUATION	20,571	20,571	.....
166	MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT)	14,017	14,017	.....
167	MANAGEMENT HEADQUARTERS DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	4,187	4,187	.....
168	BUDGET AND PROGRAM ASSESSMENTS	3,992	3,992	.....
169	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	1,000	1,000	.....
170	OPERATIONS SECURITY (OPSEC)	2,551	5,551	+ 3,000
171	JOINT STAFF ANALYTICAL SUPPORT	7,712	7,712	.....
174	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	673	673	.....
175	DEFENSE MILITARY DECEPTION PROGRAM OFFICE	1,006	1,006	.....
177	COMBINED ADVANCED APPLICATIONS	16,998	15,498	- 1,500
180	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS	18,992	18,992	.....
181	CWMD SYSTEMS: RDT&E MANAGEMENT SUPPORT	1,231	1,231	.....
183	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION	44,500	44,500	.....
184	MANAGEMENT HEADQUARTERS—MDA	29,947	29,947	.....
187	JOINT SERVICE PROVIDER (JSP)	5,113	5,113	.....
9999	CLASSIFIED PROGRAMS	63,312	63,312	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,010,530	1,146,024	+ 135,494
	OPERATIONAL SYSTEMS DEVELOPMENT			
188	ENTERPRISE SECURITY SYSTEM (ESS)	4,565	4,565	.....
189	REGIONAL INTERNATIONAL OUTREACH & PARTNERSHIP FOR PEAC	1,871	1,871	.....
190	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SY	298	298	.....
191	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	10,882	16,882	+ 6,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
192	OPERATIONAL SYSTEMS DEVELOPMENT	7,222	7,222	.....
193	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT	14,450	14,450	.....
194	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT)	45,677	45,677	.....
195	PLANNING AND DECISION AID SYSTEM	3,037	3,037	.....
196	C4I INTEROPERABILITY	59,490	59,490	.....
198	JOINT/ALLIED COALITION INFORMATION SHARING	6,104	6,104	.....
202	NATIONAL MILITARY COMMAND SYSTEM-WIDE SUPPORT	1,863	1,863	.....
203	DEFENSE INFO INFRASTRUCTURE ENGINEERING & INTEGRATION	21,564	21,564	.....
204	LONG HAUL COMMUNICATIONS (DCS)	15,428	15,428	.....
205	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	15,855	15,855	.....
206	PUBLIC KEY INFRASTRUCTURE (PKI)	4,811	4,811	.....
207	KEY MANAGEMENT INFRASTRUCTURE (KMI)	33,746	33,746	.....
208	INFORMATION SYSTEMS SECURITY PROGRAM	9,415	9,415	.....
209	INFORMATION SYSTEMS SECURITY PROGRAM	227,652	232,652	+ 5,000
210	GLOBAL COMMAND AND CONTROL SYSTEM	42,687	42,687	.....
211	JOINT SPECTRUM CENTER (DEFENSE SPECTRUM ORGANIZATION)	8,750	8,750	.....
214	JOINT INFORMATION ENVIRONMENT (JIE)	4,689	4,689	.....
216	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY	50,000	36,000	- 14,000
222	CYBER SECURITY INITIATIVE	1,686	1,686	.....
227	POLICY R&D PROGRAMS	6,526	6,526	.....
228	NET CENTRICITY	18,455	18,455	.....
230	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	5,496	5,496	.....
233	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	3,049	3,049	.....
236	INSIDER THREAT	5,365	5,365	.....
237	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	2,071	2,071	.....
243	INTELLIGENCE MISSION DATA (IMD)	13,111	13,111	.....
245	PACIFIC DISASTER CENTERS	1,770	1,770	.....
246	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	2,924	2,924	.....
248	MQ-9 UAV	37,863	30,863	- 7,000
251	SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEV	259,886	260,386	+ 500
252	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT ...	8,245	8,245	.....
253	SOF OPERATIONAL ENHANCEMENTS	79,455	99,455	+ 20,000
254	WARRIOR SYSTEMS	45,935	57,935	+ 12,000
255	SPECIAL PROGRAMS	1,978	1,978	.....
256	UNMANNED ISR	31,766	36,766	+ 5,000
257	SOF TACTICAL VEHICLES	2,578	2,578	.....
258	SOF MARITIME SYSTEMS	42,315	55,115	+ 12,800
259	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES	4,661	4,661	.....
260	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE	12,049	12,049	.....
261	SOF TELEPORT PROGRAM	642	642	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,177,882	1,218,182	+ 40,300
999	CLASSIFIED PROGRAMS	3,689,646	3,627,746	- 61,900
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, DEF-WIDE	20,490,902	21,680,660	+ 1,189,758

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
2	Defense Research Sciences	432,347	408,837	- 23,510
	Restoring acquisition accountability: Insufficient budget justification (New Functionalities for Biological Systems) .....	.....	.....	- 9,510
	Improving funds management: Program delays .....	.....	.....	- 14,000
5	National Defense Education Program	74,298	103,298	+ 29,000

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Manufacturing initiatives			+ 29,000
15	Chemical and Biological Defense Program	201,053	203,053	+ 2,000
	Program increase			+ 2,000
17	Tactical Technology	343,776	312,776	- 31,000
	Improving funds management: Program delays			- 31,000
18	Materials and Biological Technology	224,440	201,896	- 22,544
	Improving funds management: Program delays			- 22,544
24	Combating Terrorism Technology Support	76,230	123,730	+ 47,500
	Program increase: Anti-tunneling research			+ 47,500
25	Foreign Comparative Testing	24,199	22,199	- 2,000
	Improving funds management: Prior year carryover			- 2,000
35	Advanced Aerospace Systems	155,406	120,406	- 35,000
	Improving funds management: Program delays			- 35,000
40	Common Kill Vehicle Technology	252,879	56,879	- 196,000
	Transfer to line 106 for RKV schedule and technology risk reduction			- 100,000
	Transfer to line 94 for low power laser demonstrator prototypes post-PDR risk reduction			- 36,000
	MOKV program adjustment			- 60,000
41	Defense Innovation Unit Experimental (DIUx)	29,594	34,594	+ 5,000
	Program increase			+ 5,000
42	Technology Innovation	59,863	39,863	- 20,000
	Maintain Program Affordability: Maintain level of effort			- 20,000
48	Defense-Wide Manufacturing Science and Technology Program	136,159	176,159	+ 40,000
	Program increase: Gallium nitride semiconductor technology			+ 15,000
	Program increase: Manufacturing engineering programs			+ 25,000
50	Emerging Capabilities Technology Development	57,876	80,376	+ 22,500
	Program increase: Disruptive air and missile defense			+ 7,500
	Program increase: High-altitude optical reconnaissance unit and sensors			+ 10,000
	Program increase: Technical support and operational analysis effort			+ 5,000
51	Generic Logistics R&D Technology Demonstrations	10,611	16,611	+ 6,000
	Program increase: Liquid hydrocarbon fuels and nanocellulose composites			+ 4,000
	Program increase: Sustainable technology demonstration and validation			+ 2,000
53	Strategic Environmental Research Program	71,832	74,832	+ 3,000
	Program increase			+ 3,000
54	Microelectronics Technology Development and Support	219,803	249,803	+ 30,000
	Program increase: Trusted Foundry			+ 30,000
57	Command, Control and Communications Systems	106,787	93,295	- 13,492
	Improving funds management: Program delays			- 13,492
59	Sensor Technology	210,123	195,740	- 14,383
	Improving funds management: Program delays			- 14,383
63	Quick Reaction Special Projects	69,203	67,203	- 2,000
	Improving funds management: Prior year carryover			- 5,000
	Program increase: Solar energy research			+ 3,000
65	Test & Evaluation Science & Technology	89,586	105,586	+ 16,000
	Program increase			+ 16,000
66	Operational Energy Capability Improvement	38,403	40,903	+ 2,500
	Program increase			+ 2,500
68	SOF Advanced Technology Development	72,605	95,605	+ 23,000
	Program increase: Identity threat mitigation research			+ 18,000
	Program increase: Tactical assault light operator suit			+ 5,000
74	Ballistic Missile Defense Terminal Defense Segment	230,162	508,662	+ 278,500
	Program increase: THAAD/Patriot JEON Phase 4 (THAAD) ..			+ 108,800
	Program increase: THAAD/Patriot JEON Phase 4 (Patriot) ..			+ 145,500
	Program increase: THAAD/Patriot JEON Phase I-III			+ 20,200
	Program increase: Improved discrimination capabilities ..			+ 4,000
75	Ballistic Missile Defense Midcourse Defense Segment	828,097	980,093	+ 151,996
	Program increase: Improved discrimination capabilities ..			+ 21,996

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Accelerate deployment of 20 additional GBIs with RKV			+ 52,000
	Program increase: Begin missile field #4 at Fort Greely with 20 new silos			+ 78,000
76	Chemical and Biological Defense Program—Dem/Val	148,518	138,593	- 9,925
	Restoring acquisition accountability: Schedule slips			- 9,925
77	Ballistic Missile Defense Sensors	247,345	291,307	+ 43,962
	Homeland Defense Radar—Hawaii—Transfer to line 77A			- 21,000
	Atlantic radar study—early to need			- 5,000
	Program increase: Improved discrimination capabilities			+ 57,862
	Program increase: THAAD/Patriot JEON Phase 4			+ 6,900
	Program increase: THAAD/Patriot JEON Phase I-III			+ 5,200
77A	Homeland Defense Radar—Hawaii		109,000	+ 109,000
	Homeland Defense Radar—Hawaii—Transfer from line 77			+ 21,000
	Program increase: Homeland Defense Radar—Hawaii			+ 88,000
78	BMD Enabling Programs	449,442	508,384	+ 58,942
	Aegis Ashore unjustified program growth			- 10,000
	Program increase: Cyber training and enhancements			+ 25,000
	Program increase: High fidelity modeling and simulation			+ 6,100
	Program increase: Improved discrimination capabilities			+ 23,342
	Program increase: THAAD/Patriot JEON Phase I-III			+ 14,500
80	AEGIS BMD	852,052	749,005	- 103,047
	SM-3 Block IIA All Up Rounds—transfer to Procurement, Defense-wide for All Up Round interceptor procurement			- 41,247
	Aegis ballistic missile defense 6.x development unjustified growth			- 64,500
	Program increase: THAAD/Patriot JEON Phase I-III			+ 2,700
83	Ballistic Missile Defense Command and Control, Battle Management and Communicati	430,115	463,115	+ 33,000
	Program increase: Improved discrimination capabilities			+ 3,000
	Program increase: Accelerate mobile sensor integration			+ 30,000
87	Sea Based X-Band Radar [SBX]	130,695	143,695	+ 13,000
	Program increase: Accelerate SBX software upgrades			+ 13,000
88	Israeli Cooperative Programs	105,354	373,800	+ 268,446
	Program increase: Arrow program			+ 71,459
	Program increase: Arrow upper tier			+ 28,139
	Program increase: Arrow upper tier flight test			+ 105,000
	Program increase: David's Sling short range ballistic missile defense			+ 63,848
89	Ballistic Missile Defense Test	305,791	331,191	+ 25,400
	Program increase: HALO replacement aircraft and sensors			+ 17,500
	Program increase: THAAD/Patriot JEON Phase 4			+ 7,400
	Program increase: THAAD/Patriot JEON Phase I-III			+ 500
90	Ballistic Missile Defense Targets	410,425	467,546	+ 57,121
	Flight test delay			- 21,379
	Program increase: THAAD/Patriot JEON Phase 4			+ 42,500
	Program increase: Accelerate deployment of 20 additional GBIs with RKV			+ 36,000
94	Technology Maturation Initiatives	128,406	164,406	+ 36,000
	Transfer from line 40 for low power laser demonstrator prototypes post-PDR risk reduction			+ 36,000
96	Hypersonic Defense	75,300	55,100	- 20,200
	Early to need pending completion of Analysis of Alternatives			- 20,200
97	Advanced Innovative Technologies	1,175,832	1,200,832	+ 25,000
	Program increase: Smarter machine learning			+ 25,000
101	Department of Defense [DoD] Unmanned System Common Development	3,967	7,967	+ 4,000
	Program increase: Unmanned traffic management system development			+ 4,000
105	Long Range Discrimination Radar [LRDR]	357,659	370,159	+ 12,500
	Program increase: LRDR BMEWS removal			+ 12,500
106	Improved Homeland Defense Interceptors	465,530	693,730	+ 228,200

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Transfer from line 40 for RKV risk reduction and acceleration			+ 100,000
	C3 booster early to need			- 11,200
	Program increase: Accelerate deployment of 20 additional GBIs with RKV			+ 139,400
112	Ballistic Missile Defense Midcourse Segment Test	76,757	86,057	+ 9,300
	Program increase: Accelerate deployment of 20 additional GBIs with RKV			+ 9,300
xx	National Security Technology Accelerator/MD5		25,500	+ 25,500
120	Chemical and Biological Defense Program—EMD	406,789	368,887	- 37,902
	Improving funds management: Prior year carryover			- 37,902
122	Joint Tactical Information Distribution System [JTIDS]	15,358	17,858	+ 2,500
	Program increase			+ 2,500
124	Information Technology Development	12,322	11,322	- 1,000
	Improving funds management: Prior year carryover			- 1,000
126	Defense Exportability Program	3,162	2,162	- 1,000
	Improving funds management: Prior year carryover			- 1,000
146	Classified Program USD(P)		138,494	+ 138,494
	Classified Adjustment			+ 138,494
162	Defense Technology Analysis	24,365	27,365	+ 3,000
	Program increase			+ 3,000
164	R&D in Support of DoD Enlistment, Testing and Evaluation	30,356	22,856	- 7,500
	Improving funds management: Prior year carryover			- 7,500
170	Defense Operations Security Initiative [DOSI]	2,551	5,551	+ 3,000
	Program increase			+ 3,000
177	Combined Advanced Applications	16,998	15,498	- 1,500
	Improving funds management: Prior year carryover			- 1,500
191	Industrial Base Analysis and Sustainment Support	10,882	16,882	+ 6,000
	Program increase			+ 6,000
209	Information Systems Security Program	227,652	232,652	+ 5,000
	Program increase: Security tools			+ 5,000
216	Federal Investigative Services Information Technology	50,000	36,000	- 14,000
	Improving funds management: Forward financing			- 14,000
248	MQ-9 UAV	37,863	30,863	- 7,000
	Restoring acquisition accountability: Excess product development (MALET MQ-9)			- 7,000
251	Aviation Systems	259,886	260,386	+ 500
	Transfer: SOCOM requested transfer from PDW line 49			+ 7,500
	Transfer: SOCOM requested transfer from PDW line 49			+ 6,000
	Restoring acquisition accountability: Excess product development (RFCM)			- 10,000
	Insufficient budget justification: poor justification materials (CV-22)			- 3,000
253	Operational Enhancements	79,455	99,455	+ 20,000
	Program increase: Autonomous anti-denial defeat UAS			+ 2,000
	Program increase: Enhanced precision strike munitions			+ 16,000
	Program increase: Software enhancement for ingestion of PAI data			+ 2,000
254	Warrior Systems	45,935	57,935	+ 12,000
	Program increase: Small glide munition UAS integration			+ 12,000
256	Unmanned ISR	31,766	36,766	+ 5,000
	Program increase: UAS anti-icing			+ 5,000
258	Maritime Systems	42,315	55,115	+ 12,800
	Transfer: SOCOM requested transfer from PDW line 62			+ 12,800
	Classified Programs	3,689,646	3,627,746	- 61,900
	Classified Adjustment			- 61,900

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 the advanced manufacturing industry. Therefore, the Committee supports the fis-

cal year 2018 President's budget request of \$41,5110,000 for the Manufacturing Technology Program and encourages the Secretary of Defense to invest in metal castings technology.

Joint Chemical-Biological Defense Logistics and Distribution Center.—Consistent with the report accompanying the Senate version of the National Defense Authorization Act for Fiscal Year 2018 (Senate Report 115–125), the Committee directs the Secretary of Defense to evaluate the feasibility of designating a Joint Chemical-Biological Defense Logistics Distribution Center to consolidate the Joint Chemical, Biological, Radiological, and Nuclear sustainment functions and provide enhanced military readiness to the warfighter.

Strategic Capabilities Office.—The Committee supports the Department of Defense's fiscal year 2018 President's budget request of \$1,175,832,000 for the Strategic Capabilities Office [SCO] and commends SCO for responding to critical needs from Combatant Commanders that address near term national security requirements. Further, the Committee notes that SCO's direct reporting to the Secretary of Defense has led to the rapid development of breakthrough technologies that have successfully transitioned to the military services. Therefore, the Committee directs the Department to maintain the current chain of command for conducting SCO activities.

Trusted Microelectronics.—The Committee remains concerned with the Department of Defense's lack of a long-term plan to establish a trusted microelectronics roadmap that maintains supply chain assurance against counterfeit parts and ensures access to trusted microelectronics. In the report accompanying the Senate version of the Department of Defense Appropriations Act, 2017 (Senate Report 114–263), the Committee directed quarterly updates on efforts to maintain a trusted microelectronics capability. In the fiscal year 2018 President's budget request, the Department requested \$364,513,000 for trusted foundry, trusted microelectronics, and microelectronics technology development without a comprehensive plan. While the Committee recognizes the challenge of ensuring secure microelectronics requires a whole of government approach, the Department of Defense is encouraged to apply greater urgency, oversight and resources to address the issue. Therefore, the Committee directs the Under Secretary of Defense (Research and Engineering) and the Under Secretary of Defense (Acquisition and Sustainment) to provide a joint report no later than 180 days after enactment of this act which includes a definition of the scope of the microelectronics problem; confirmation that the United States has the infrastructure to provide legacy and future chips for our weapons systems or what resources might be necessary to provide for that infrastructure; and testing protocols that the Department is utilizing to ensure current microelectronics have achieved security assurance. The report shall also identify policy concerns to ensure the Department of Defense complies sufficiently in conducting the National Security mission.

Cyber Vulnerabilities Organization/Section 1647.—Consistent with section 1647 of the National Defense Authorization Act for Fiscal Year 2016, Congress provided funding to evaluate the cyber vulnerabilities of major Department of Defense weapons systems in

fiscal year 2016. The organization tasked with conducting these assessments, referred to as section 1647, has provided critical insights into the challenges and solutions being utilized to address vulnerabilities in the Nation's critical systems. The Committee believes their success was evident in the Department's June 2017 submission of a reprogramming action to continue cyber vulnerability assessments in fiscal year 2017. The Committee encourages the Department to continue to adequately resource the organization in future budget submissions to ensure its continued progress in protecting the Department's systems from cyber threats.

With the reorganization of the Under Secretary of Defense (Acquisition, Technology and Logistics), the Committee is concerned that the essential mission being served by section 1647 may be squandered if it is moved into an organization whose mission is more information technology focused. The Committee believes that the section 1647 group must be aligned with an organization within the Department that is focused on operational needs and addresses the requirements of the Combatant Commands. Therefore, not later than 90 days of the enactment of this act, the Committee directs the Secretary of Defense, in coordination with the Chairman of the Joint Chiefs of Staff, to report to the congressional defense committees on a plan to realign section 1647 within the Department of Defense that maintains its focus on mission and operational assurance and provides an avenue for adequate resourcing.

National Security Accelerator/MD5.—The Committee continues to support the work of The National Security Technology Accelerator Initiative/MD5 to facilitate collaboration between civilian and military personnel, their counterparts in academia, and high-tech industry. Therefore, the Committee recommends \$25,500,000 for the program in fiscal year 2018 and encourages the Department of Defense to include funding for this program in its fiscal year 2019 budget request.

Directed Energy Fielded Capabilities Bridge.—The Committee notes that robust directed energy technology investments have not produced acquisition programs or fielded capabilities sufficient to warfighter requirements. The Department of Defense has consistently described the potential warfighting advantages of directed energy programs, as well as their concern about the growing operational capabilities and developments of foreign adversaries in this technology area. Therefore, the Committee directs the Undersecretary of Defense (Research and Engineering) to conduct a review across the services to identify directed energy technologies that can be transitioned out of the laboratories and provide a report to the congressional defense committees no later than 120 days after the enactment of this act which describes the technology readiness levels of existing programs, an assessment of both the time frame for potential transition of each program to a program of record/fielded technology, as well as funds required to complete the technology transition.

Manufacturing Engineering Education Grant Program.—The Committee recognizes that the United States must maintain a technically trained workforce to meet the defense industrial base requirements of the Department of Defense. Therefore, the Committee recommends an additional \$25,000,000 above the fiscal year

2018 budget request for manufacturing engineering grants and encourages the Secretary of Defense to prioritize funding under this program to support community colleges and technical schools.

Prompt Global Strike.—The Committee continues to support the Department’s efforts to develop and demonstrate a conventional prompt global strike capability and recommends full funding of the President’s fiscal year 2018 budget request, an increase of more than \$40,000,000 over the fiscal year 2017 enacted level. Further, the Committee understands that validated requirements from Pacific Command and European Command are in risk of not being supported in the 2020–2022 timeframe. Therefore, the Committee encourages the Secretary of Defense to provide an updated plan to the congressional defense committees for deployment of an early operational capability.

MISSILE DEFENSE AGENCY

Redesigned Kill Vehicle.—The fiscal year 2018 President’s request includes \$384,900,000 in Research, Development, Test and Evaluation, Defense-Wide for continued development of the Redesigned Kill Vehicle [RKV], which will provide a more robust homeland defense capability and be more reliable, producible, effective, easier to maintain, and cheaper to build than the current kill vehicle. Subsequent to the fiscal year 2018 budget submission, the President submitted a request to Congress to accelerate the RKV program and field 20 additional Ground-Based Interceptors [GBIs] with RKVs in a new missile field that will be constructed at Fort Greely, Alaska. Following successful completion of a flight test, employment of 20 GBIs with RKVs is scheduled to begin in late 2021 and complete by the end of fiscal year 2023. The Committee recommends full funding for this request.

The Committee has been informed by MDA that the accelerated RKV program is fully funded in MDA’s budget, that all technical risks are understood, and that MDA will maintain its current acquisition strategy, to include compliance with the Department of Defense’s full funding policy for usable end items. Further, the Committee has been informed that MDA plans to maintain its ‘fly before you buy’ acquisition approach. Nevertheless, to reduce the risk introduced to the RKV program by the accelerated fielding and integration schedule, the Committee recommends an additional \$100,000,000 for RKV development risk reduction in fiscal year 2018, and an additional \$236,700,000 to further mitigate schedule risk for the employment of the 20 GBIs with RKVs by 2023.

The Committee directs the Director, Cost Assessment and Program Evaluation to provide to the congressional defense committees with the fiscal year 2019 President’s request an updated Independent Cost Estimate for the RKV program that reflects the accelerated development, testing, integration, and fielding schedule. In addition, the Director, MDA, in conjunction with the Under Secretary of Defense (Acquisition, Technology and Logistics), is directed to provide to the congressional defense committees with the fiscal year 2019 President’s request an updated acquisition strategy for the RKV program, to include the revised acquisition objective, an acquisition program baseline, the test plan, contracting strategy, as well as an identification of any programmatic, technical and

manufacturing risks to the program schedule. Finally, the Director, MDA is directed to certify to the congressional defense committees with the fiscal year 2019 President’s request full funding of the accelerated RKV program.

Sea-Based X-Band (SBX) Radar Report.—The Committee understands that pursuant to section 1684 of the National Defense Authorization Act for Fiscal Year 2016, the Director, Missile Defense Agency [MDA], is reviewing possible basing locations for an SBX radar in the Atlantic. The Committee encourages the Director, MDA to consult with the Secretary of the Navy to avoid homeport sites that negatively impact national defense infrastructure and priorities, including U.S. naval operations such as ship and submarine maintenance activities at public shipyards. The Director, MDA and the Secretary of the Navy are directed to include in the forthcoming report an evaluation for each Atlantic SBX radar location under consideration of potential impacts to public shipyards, as well as mitigation strategies and associated joint costs.

OPERATIONAL TEST AND EVALUATION, DEFENSE

Appropriations, 2017	\$186,994,000
Budget estimate, 2018	210,900,000
Committee recommendation	210,900,000

The Committee recommends an appropriation of \$210,900,000. This is equal to the budget estimate.

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Operational Test and Evaluation	83,503	83,503	.....
2	Live Fire Test and Evaluation	59,500	59,500	.....
3	Operational Test Activities and Analyses	67,897	67,897	.....
	Total, Operational Test and Evaluation, Defense	210,900	210,900	.....

TITLE V
REVOLVING AND MANAGEMENT FUNDS

DEFENSE WORKING CAPITAL FUNDS

Appropriations, 2017 \$1,511,613,000
 Budget estimate, 2018 1,586,596,000
 Committee recommendation 1,706,596,000

The Committee recommends an appropriation of \$1,706,596,000. This is \$120,000,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
Arsenals Initiative	43,140	163,140	+ 120,000
Program increase			+ 120,000
Supply Management	40,636	40,636	
Total, Defense Working Capital Fund, Army	83,776	203,776	+ 120,000
Supplies and Materials	66,462	66,462	
Total, Defense Working Capital Fund, Air Force	66,462	66,462	
Defense Logistics Agency	47,018	47,018	
Total, Defense Working Capital Fund, Defense-Wide	47,018	47,018	
Commissary Operations	1,389,340	1,389,340	
Total, Defense Working Capital Fund, Defense-Wide, DECA	1,389,340	1,389,340	
Grand Total, Defense Working Capital Funds	1,586,596	1,706,596	+ 120,000

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.

NATIONAL DEFENSE SEALIFT FUND

Appropriations, 2017
 Budget estimate, 2018 \$509,327,000
 Committee recommendation

The Committee recommends no appropriation for the National Defense Sealift Fund.

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	2018 budget estimate	Committee recommendation	Change from budget estimate
	Mobilization Preparedness	201,450	.....	- 201,450
	Transfer to OM,N 2A1F: LMSR Maintenance .....	.....	.....	- 135,800
	Transfer to OM,N 2A1F: Mobilization alterations .....	.....	.....	- 11,197
	Transfer to OM,N 2C1H: T-AH Maintenance .....	.....	.....	- 54,453
	Research And Development	18,622	.....	- 18,622
	Transfer to RDTE,N Line 132: Maritime prepositioning force (future) .....	.....	.....	- 468
	Transfer to RDTE,N Line 47: Strategic sealift research and development .....	.....	.....	- 6,425
	Transfer to RDTE,N Line 48: Naval operations logistics integration .....	.....	.....	- 11,729
	Ready Reserve Force	289,255	.....	- 289,255
	Transfer to OM,N 2A2F: Ready Reserve Force .....	.....	.....	- 289,255
	Total, National Defense Sealift Fund	509,327	.....	- 509,327

National Defense Sealift Fund.—The Committee provides no funding for the National Defense Sealift Fund and reiterates the direction that the procurement of ships shall not be funded in this account. However, the Committee supports the recapitalization of the National Defense Reserve Fleet for the Maritime Administration’s national defense and national emergencies mission. Therefore, the Committee directs the Secretary of Defense, in consultation with the Maritime Administrator, to provide to the congressional defense committees a revised acquisition strategy related to vessels, alteration, and conversion of vessels that support the National Defense Reserve Fleet.

TITLE VI
OTHER DEPARTMENT OF DEFENSE PROGRAMS
DEFENSE HEALTH PROGRAM

Appropriations, 2017 \$33,781,270,000
 Budget estimate, 2018 33,664,466,000
 Committee recommendation 34,118,567,000

The Committee recommends an appropriation of \$34,118,567,000.
 This is \$454,101,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	DEFENSE HEALTH PROGRAM			
	OPERATION AND MAINTENANCE			
10	IN-HOUSE CARE	9,457,768	9,312,768	- 145,000
20	PRIVATE SECTOR CARE	15,317,732	15,154,732	- 163,000
30	CONSOLIDATED HEALTH SUPPORT	2,193,045	2,131,045	- 62,000
40	INFORMATION MANAGEMENT	1,803,733	1,791,733	- 12,000
50	MANAGEMENT ACTIVITIES	330,752	330,752	.....
60	EDUCATION AND TRAINING	737,730	692,657	- 45,073
70	BASE OPERATIONS/COMMUNICATIONS	2,255,163	2,253,163	- 2,000
	SUBTOTAL, OPERATION AND MAINTENANCE	32,095,923	31,666,850	- 429,073
	PROCUREMENT			
150	INITIAL OUTFITTING	26,978	26,978	.....
160	REPLACEMENT AND MODERNIZATION	360,831	360,831	.....
180	JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM	8,326	.....	- 8,326
200	DOD HEALTH MANAGEMENT SYSTEM MODERNIZATION	499,193	479,193	- 20,000
	SUBTOTAL, PROCUREMENT	895,328	867,002	- 28,326
	RESEARCH DEVELOPMENT TEST AND EVALUATION			
80	RESEARCH	9,796	9,796	.....
90	EXPLORATORY DEVELOPMENT	64,881	64,881	.....
100	ADVANCED DEVELOPMENT	246,268	246,268	.....
110	DEMONSTRATION/VALIDATION	99,039	99,039	.....
120	ENGINEERING DEVELOPMENT	170,602	150,602	- 20,000
130	MANAGEMENT AND SUPPORT	69,191	69,191	.....
140	CAPABILITIES ENHANCEMENT	13,438	13,438	.....
150	UNDISTRIBUTED MEDICAL RESEARCH .....	.....	931,500	+ 931,500
	SUBTOTAL, RESEARCH DEVELOPMENT TEST AND EVALUATION	673,215	1,584,715	+ 911,500
	TOTAL, DEFENSE HEALTH PROGRAM	33,664,466	34,118,567	+ 454,101

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Item	2018 budget estimate	Committee recommendation	Change from budget estimate
Operation and Maintenance	32,095,923	31,666,850	- 429,073
In-House Care	9,457,768	9,312,768	- 145,000
Authorization increase: Pre-mobilization healthcare			+ 8,000
Improving funds management: Printing and reproduction excess growth			- 3,000
Improving funds management: Pharmaceutical drugs excess growth			- 100,000
Improving funds management: Medical care contracts excess growth			- 50,000
Private Sector Care	15,317,732	15,154,732	- 163,000
Improving funds management: Historical underexecution			- 163,000
Consolidated Health Care	2,193,045	2,131,045	- 62,000
Improving funds management: Historical underexecution			- 62,000
Information Management/IT	1,803,733	1,791,733	- 12,000
Improving funds management: DHMSM prior year underexecution			- 12,000
Management Activities	330,752	330,752	
Education and Training	737,730	692,657	- 45,073
Improving funds management: Historical underexecution			- 19,700
Insufficient budget justification: HPSP prior year reduction not properly accounted			- 25,373
Base Operations and Communications	2,255,163	2,253,163	- 2,000
Improving funds management: Visual information systems underexecution			- 2,000
Procurement	895,328	867,002	- 28,326
Restoring acquisition accountability: DHMSM prior year carry-over			- 20,000
Restoring acquisition accountability: JOMIS ahead of need			- 8,326
Research and Development	673,215	1,584,715	+ 911,500
Restoring acquisition accountability: JOMIS prior year carry-over			- 20,000
Restore core funding reduction			+ 240,000
Peer-reviewed ALS research			+ 10,000
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	33,664,466	34,118,567	+ 454,101

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 congressional 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 2018, the Committee recommends one 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 2017 designated carryover funds to the congressional defense committees not less than 30 days prior to executing the carryover funds.

The Committee further directs the Assistant Secretary of Defense (Health Affairs) to prioritize the payment of arrears to state vaccine programs, as authorized by section 719 of the National Defense Authorization Act for Fiscal Year 2017, in expenditure of these carryover funds.

Operation and Maintenance Reductions.—The Committee notes that the budget justification materials for the Defense Health Program do not delineate operation and maintenance funding between the Defense Health Agency, Army, Navy, Air Force, Uniformed Services University of Health Sciences, and National Capital Region Medical Directorate. Given this lack of granular visibility, the Department is expected to implement operation and maintenance reductions among the various components in accordance with their historical underexecution.

Electronic Health Record.—The Committee remains supportive of the goal of the Departments of Defense and Veterans Affairs to develop fully interoperable electronic health records 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. Additionally, the Committee appreciates the efforts by the Program Executive Officer [PEO] for the Defense Healthcare Management Systems [DHMS] to provide more detailed information on electronic health record budgets.

The PEO DHMS, in conjunction with the Director of the Interagency Program Office [IPO], is directed to provide quarterly reports to the congressional defense committees 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; and (3) the progress toward developing, implementing, and fielding the interoperable electronic health record throughout the two Departments' medical facilities. The Committee further directs the PEO DHMS to continue briefing the House and Senate Defense Appropriations Subcommittees on a quarterly basis, coinciding with the report submission.

Finally, the Committee directs the IPO to continue to provide quarterly reports to the House and Senate Subcommittees on Appropriations for Defense and Military Construction, Veterans Affairs, and Related Agencies on the progress of interoperability between the two Departments.

Traumatic Brain Injury [TBI]/Psychological Health.—The Committee recommends \$60,000,000 above the fiscal year 2018 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 efforts to establish a brain donor network to better understand mild traumatic brain injury and identify biomarkers for diagnosis and monitoring. The Committee supports expansion of this network and inclusion of states with high populations of veterans and suicide incidence into this research.

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, alzheimer's, antimicrobial resistance, arthritis, autism, burn pit exposure, cardiomyopathy, cerebellar ataxia, chronic migraine and post-traumatic headache, chronic pain management, congenital heart disease, constrictive bronchiolitis, diabetes, dystonia, eating disorders, emerging infectious diseases, endometriosis, epidermolysis bullosa, focal segmental glomerulosclerosis, Fragile X, Guillain-Barre Syndrome, gulf war illness, hearing restoration, hepatitis B and C, hereditary angioedema, hydrocephalus, immunomonitoring of intestinal transplants, inflammatory bowel diseases, interstitial cystitis, lung injury, lupus, malaria, metals toxicology, mitochondrial disease, multiple sclerosis, musculoskeletal disorders, myotonic dystrophy,

neurofibromatosis, non-opioid pain management, nutrition optimization, orthopedics, pancreatitis, Parkinson's, pathogen-inactivated blood products, post-traumatic osteoarthritis, pressure ulcers, pulmonary fibrosis, reconstructive transplantation, respiratory health, Rett syndrome, rheumatoid arthritis, scleroderma, sleep disorders, spinal cord injury, spinal muscular atrophy, sustained-release drug delivery, tinnitus, tissue regeneration, tuberculosis, tuberous sclerosis complex, 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 both core and congressionally-directed 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, liver cancer, melanoma, mesothelioma, myeloma, 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.

The Cancer Center at Walter Reed National Military Medical Center.—The Committee recognizes that 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 the formation of a partnership between the Murtha Cancer Center and the Oncology Research Information Exchange Network [ORIEN]. The Murtha Cancer Center is the only center of excellence for cancer care in the military health system. This partnership allows the Murtha Cancer Center to collaborate in cancer research with several academic cancer centers that all use a single protocol for long-term health surveillance of cancer patients to correlate patterns in cancer incidence, treatment response, and survivorship with genetic information, demographic data, and other factors. The Murtha Cancer Center has begun ORIEN enrollment with patients at the Walter Reed National Military Medical Center and is preparing to facilitate enrollment at military treatment facilities throughout the United States. The Committee commends the Assistant Secretary of Defense (Health Affairs) for assisting the Murtha Cancer Center in entering this partnership and encourages increased support to allow for continued expansion of this effort to deliver enhanced cancer treatment for all servicemembers and their families.

Ethnic and Racial Diversity in Cancer.—The Committee recognizes that the cultural, racial, and ethnic diversity of the Armed Forces reflects the composition of the American population and that military medicine would benefit from an understanding and application of cancer genetic information to the prevention and treatment of cancer. The Committee encourages the U.S. Army Medical Research and Materiel Command [USAMRMC], through the Congressionally Directed Medical Research Program, to facilitate research on the cause, prevention, and treatment of cancer in populations with diverse cultural, racial, and ethnic composition. Furthermore, the Committee encourages USAMRMC to consider expertise in ethnic and racial diversity and, where appropriate, collaborate with the National Institute of Health's Cancer Moonshot initiative to share clinical research, data, and expertise.

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 understands that servicemembers and their families regularly undergo orthopedic procedures and that these types of musculoskeletal injuries account for a significant amount of medical separations or retirements from military service. Delivery of direct training based on best practices related to orthopedic procedures for injuries to the knee, shoulder, and other extremities has become an increasingly important readiness issue. The Committee strongly encourages the Assistant Secretary of Defense (Health Affairs) to provide military orthopedic health professionals advanced surgical training in arthroscopic techniques and do so in partnership with medical professional societies that maintain best practices related to arthroscopic surgery and techniques.

Mental Health Professionals.—The Committee recognizes that servicemembers and their families face unique stresses beyond those of everyday life. After over 15 years 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 health care.

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 2019 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.

Chronic Pain Management Research.—The Committee includes chronic pain management as a priority research area under the Peer-Reviewed Medical Research Program in order to advance research on opioid-alternative or non-addictive methods to treat and manage chronic pain. Chronic pain is defined as a pain that occurs on at least half the days for six months or more and can be caused by issues including, but not limited to: combat and training-related physical or mental stress and trauma, migraines and chronic head-

aches, traumatic brain injury, arthritis, muscular-skeletal conditions, neurological disease, tick and vector-borne disease, other insect-transmitted or tropical disease, and cancer. The Committee encourages the Department to conduct research in this area on the effects of using prescription opioids and skeletal-muscular relaxants to treat and manage chronic pain and for researching alternatives, namely non-opioid or non-addictive methods, to treat and manage chronic pain. The Committee encourages the Department to collaborate with non-military research institutions, such as the institutions of the National Institutes of Health Pain Consortium, and the institutions represented in the Interagency Pain Research Coordinating Committee to address the efforts outlined in the 2016 National Pain Strategy.

Warfighter Respiratory Health.—The Committee remains concerned about respiratory ailments among deployed and returning servicemembers and their deleterious effects on combat and personnel readiness. It is estimated that respiratory diseases affect more than 100,000 servicemembers each year and result in almost 27,000 lost workdays per year. The Committee has included respiratory health as part of the Peer-Reviewed Medical Research Program and believes that further development of a comprehensive, broad-based warfighter respiratory research program is necessary to support overall readiness, and directs the Assistant Secretary of Defense (Health Affairs) to provide a report to the congressional defense committees not more than 120 days after the enactment of this Act detailing the scope and impact of respiratory illness on military personnel - particularly on deployed troops - dating from the first Gulf War to the present.

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, mental, 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.

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 non-profit 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 \$240,000,000 for core Defense Health Program research and encourages the Department to continue its investments in neglected and infectious diseases.

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 health care 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.

Advanced Surgical Bleed Prevention.—The Committee is aware that recent advances in adjunctive hemostatic agents to control bleeding in cardiac, spinal, and other major surgeries can lead to reductions in post-operative complications, fewer blood transfusions, shorter Intensive Care Unit [ICU] and hospital stays, and

improved patient outcomes. Such agents and techniques may significantly improve combat casualty care, and the Committee encourages the Department of Defense to conduct a bleed prevention pilot program that trains medical personnel in bleed prevention with hemostatic control agents and techniques. Further, the Department is encouraged to evaluate these capabilities for use in combat situations as well as in military hospital settings.

Telehealth and Remote Patient Monitoring Utilization in Tricare for Life.—The Committee acknowledges the recent efforts by the Department of Defense to expand telehealth services for military health system beneficiaries. In order to better understand the use of these services, the Committee directs the Assistant Secretary of Defense (Health Affairs), in consultation with the Department of Health and Human Services' Telehealth Centers of Excellence, to conduct an evaluation of the use of telehealth and remote patient monitoring by Tricare for Life beneficiaries. The study shall include an assessment of: (A) the telehealth and remote patient monitoring services available to Tricare for Life beneficiaries and whether these services are covered by Medicare under current law; (B) the utilization of available telehealth and remote patient monitoring services; (C) the health outcomes from telehealth and remote patient monitoring programs used by Tricare for Life beneficiaries; and (D) the costs and cost-savings associated with telehealth and remote patient monitoring services. The Assistant Secretary of Defense (Health Affairs) shall submit the report to the congressional defense committees not later than 1 year after enactment of this act.

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 health care for reserve component servicemembers.

Military Healthcare Navigator.—The Committee supports the continued efforts in the Department of Defense to improve the healthcare experience for beneficiaries while lowering the total cost of healthcare. Healthcare navigator systems utilized in the private sector have demonstrated an ability to lower healthcare costs by helping families optimize their employer-sponsored benefits. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to continue exploring ways to utilize healthcare navigators through the military health system in order to provide enhanced clinical outcomes, improve beneficiary experience, reduce unnecessary utilization, and lower healthcare costs.

Departments of Defense [DoD] and Veterans Affairs [VA] Prescription Drug Purchasing.—The Committee believes there are potential savings in combining DoD and VA prescription drug purchasing. A 2014 Government Accountability Office [GAO] report surveyed 83 common drugs purchased by both Departments and found that if purchasing drugs for both Departments at the lowest DoD or VA price, the taxpayer could have realized a combined savings of \$120,000,000 in 2012. GAO recommended DoD, VA, and Medicare align the structure, statutory parameters, and regulatory guidance across all Federal prescription buying programs to increase buying power and reduce costs. The Department is directed to work with the Department of Veterans Affairs and submit a report to the Committees on Appropriations of both Houses of Congress no later than 180 days after enactment of this act detailing the feasibility of aligning their structures, statutory parameters, and regulatory guidance with the Department of Veterans Affairs for their prescription buying program in order to increase buying power and reduce cost.

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.

Health Effects of Burn Pits.—The Committee continues to be concerned about the hazardous occupational and environmental health exposures associated with burn pits occurring during deployment and the negative impacts that these exposures have on short-term and long-term health, as well as mission readiness. Therefore, the Committee has included “burn pit exposure” as an eligible research topic in the Peer-Reviewed Medical Research Program. The Committee on the Assessment of the Department of Veterans Affairs Airborne Hazards and Open Burn Pit Registry under the auspices of the National Academies of Sciences, Engineering, and Medicine recently completed an assessment of the Department of Veterans Affairs registry for servicemembers who may have been exposed to toxic airborne chemicals and fumes generated by open burn pits. Among its recommendations was more seamless integration of Department of Veterans Affairs and Department of Defense data sources in order to reduce participant burden, increase data quality, and improve usefulness of the registry database for healthcare professionals and researchers. The Committee directs the Assistant

Secretary of Defense (Health Affairs) to provide a report to the congressional defense committees not later than 180 days of enactment of this act identifying actions the Department of Defense can take to improve integration of data sources, especially with regards to servicemembers or units that may have been exposed to fumes from open air burn pits, in order to improve the value of the burn pit registry for scientific research.

CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

Appropriations, 2017	\$523,726,000
Budget estimate, 2018	961,732,000
Committee recommendation	961,732,000

The Committee recommends an appropriation of \$961,732,000. 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.	2018 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE						
1	CHEM DEMILITARIZATION—OPERATION AND MAINTENANCE		104,237		104,237		
3	CHEM DEMILITARIZATION—PROCUREMENT		18,081		18,081		
2	CHEM DEMILITARIZATION—RESEARCH, DEVELOPMENT,						
2	TEST AND EVALUATION		839,414		839,414		
	TOTAL, CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE		961,732		961,732		

Supplemental Destruction Technologies.—The Committee understands that supplemental destruction technologies are available, including the Explosive Destruction System and the Static Detonation Chamber, and may be used to enhance and accelerate the destruction of the U.S. stockpile of chemical weapons. The Committee strongly encourages the Program Executive Officer for the Assembled Chemical Weapons Alternatives program to utilize these technologies as main plant operations continue to face delays. When practicable, supplemental destruction technologies should be run concurrently with main plant operations in order to expedite destruction and meet the current treaty deadline of December 31, 2023.

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

Appropriations, 2017	\$998,800,000
Budget estimate, 2018	790,814,000
Committee recommendation	930,814,000

The Committee recommends an appropriation of \$930,814,000. This is \$140,000,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
010	Drug Interdiction and Counter-Drug Activities	557,648	552,648	– 5,000
	Transfer to National Guard Counter-Drug Schools			– 5,000
020	Drug Demand Reduction Program	116,813	116,813	
030	National Guard Counter-Drug Program	116,353	236,353	+ 120,000
	Program increase			+ 120,000
040	National Guard Counter-Drug Schools		25,000	+ 25,000
	Program increase			+ 20,000
	Transfer from Drug Interdiction and Counter-Drug Activities			+ 5,000
	Total, Drug Interdiction and Counter-Drug Activities	790,814	930,814	+ 140,000

National Guard Counter-Drug Program.—The Committee is concerned that the Department has reduced overall funding for the National Guard Counter-Drug program from the fiscal year 2017 enacted level. Therefore, the Committee recommends \$236,353,000 for the National Guard Counter-Drug program, an increase of \$120,000,000 above the fiscal year 2018 President's budget request, to provide additional support for National Guard state plans.

National Guard Counter-Drug Schools.—The Committee continues to support the National Guard Counter-Drug schools and notes that the report accompanying the Senate version of the Department of Defense Appropriations Act, 2017 (Senate Report 114–263) directed the Department of Defense to fund these activities in an individual budget line. The Committee is dismayed that this direction was not followed by the Department in the fiscal year 2018 President's budget request and again directs the Department to in-

clude an individual budget line for this program in future budget submissions.

JOINT IMPROVISED-THREAT DEFEAT FUND

Appropriations, 2017	
Budget estimate, 2018	\$14,442,000
Committee recommendation	

The Committee recommends no funding for the Joint Improvised-Threat Defeat Fund JITDF. Base Appropriations requested for the Joint Improvised-Threat Defeat Organization in the JITDF are recommended in overseas contingency operations appropriations accounts for Operation and Maintenance, Defense-Wide; and Research, Development, Test and Evaluation, Defense-Wide, as detailed in the associated Committee Recommended Program tables, and in the classified annex to the Committee’s report.

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	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Enable Rapid Capability Delivery	14,442	.....	- 14,442
	Transfer to RDDW, OCO for execution .....	.....	.....	- 7,000
	Transfer to OMDW, OCO for execution .....	.....	.....	- 7,442
	Total, Joint Improvised-Threat Defeat Fund	14,442	.....	- 14,442

Budgeting for the Joint Improvised-Threat Defeat Organization.— The fiscal year 2018 budget request includes \$14,442,000 in base appropriations and \$483,058,000 in overseas contingency operations appropriations for the Joint Improvised-Threat Defeat Organization [JIDO] in the Joint Improvised-Threat Defeat Fund [JITDF]. In addition, the fiscal year 2018 budget request includes \$97,788,000 in Operation and Maintenance, Defense-Wide base appropriations for JIDO, reflecting the transition of the activities, functions, and resources of the Joint Improvised-Threat Defeat Agency [JIDA] to the JIDO under the authority, direction and control of the Defense Threat Reduction Agency, as directed by Congress and implemented as of September 30, 2016.

The Committee notes that requesting funding for certain activities previously requested in the JITDF and its predecessor fund, the Joint Improvised-Explosives Devices Defeat Fund [JIEDDF], in the Operation and Maintenance, Defense-Wide appropriations account is consistent with enacted congressional appropriations in previous fiscal years, and supports that budgeting approach. In addition, the Committee believes that completing the full transition of JIDO’s activities, functions and resources without degrading the countering of weapons of mass destruction [CWMD] and counter improvised-threat missions while ensuring budget predictability, stability, transparency, auditability and congressional oversight, requires the complete transition of JIDO resources to regular appropriation accounts. Therefore, the Committee recommends no funds

in base or overseas contingency operations appropriations for the JITDF, and recommends transferring funds requested in the JITDF for JIDO to overseas contingency operations appropriations accounts for Operation and Maintenance, Defense-Wide; Procurement, Defense-Wide; and Research, Development, Test and Evaluation, Defense-Wide only for the purpose of allowing the Director of JIDO to investigate, develop and provide equipment, supplies, services, training, facilities, personnel and funds to assist United States forces in the defeat of improvised explosive devices in accordance with JIDO's fiscal year 2018 budget execution plans. The specific recommended transfers are detailed in the classified annex to the Committee's report, and the Committee notes that its recommendation retains JIDO's execution flexibility.

Further, the Committee recommends two new general provisions, section 9014 and section 9015 terminating the JIEDDF and the JITDF, and expects the Department of Defense's fiscal year 2019 budget request to include funds for JIDO in regular appropriation accounts.

JOINT URGENT OPERATIONAL NEEDS FUND

Appropriations, 2017
 Budget estimate, 2018 \$99,795,000
 Committee recommendation

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

OFFICE OF THE INSPECTOR GENERAL

Appropriations, 2017 \$312,035,000
 Budget estimate, 2018 336,887,000
 Committee recommendation 318,887,000

The Committee recommends an appropriation of \$318,887,000. This is \$18,000,000 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]

Item	2018 budget estimate	Committee recommendation	Change from budget estimate
Office of the Inspector General, Operation and Maintenance	334,087	316,087	- 18,000
Improving funds management: Overestimation of civilian full-time equivalents			- 18,000
Office of the Inspector General, Research and Development	2,800	2,800	
Office of the Inspector General, Procurement			
Total, Office of the Inspector General	336,887	318,887	- 18,000

Quarterly End Strength and Execution Reports.—The Department of Defense Inspector General is directed to provide quarterly reports to the congressional defense committees on civilian personnel end strength, full-time equivalents, and budget execution no later than 15 days after the end of each fiscal quarter. The reports

should contain quarterly civilian personnel end strength and full-time equivalents as well as an estimate of fiscal year end strength and fiscal year full-time equivalents. The reports should also include quarterly budget execution data along with revised fiscal year estimated execution data. The Inspector General is directed to provide realistic end of fiscal year estimates based on personnel trends to date.

Civilian Average Strength Overestimation.—The Committee notes that the Office of the Inspector General [OIG] has historically overestimated its civilian average strength which causes operation and maintenance budget requests to be falsely inflated. The fiscal year 2016 President's budget request estimated an average strength of 1,570 full-time equivalent civilians; and actual average strength came to 1,441 civilians, a difference of 129 civilians. The fiscal year 2017 President's budget request estimated an average strength of 1,587 civilians; while actual average strength came to 1,464 civilians, a difference of 123 civilians. The Committee also understands that non-pay requirements arise during the fiscal year and that excess civilian pay funding is used to cover these requirements. While improved fiscal controls have been put in place by the OIG over the last year, the Committee believes that the fiscal year 2018 President's budget request continues the trend of civilian average strength overestimation. The Committee recommends a reduction of \$18,000,000 to the fiscal year 2018 budget request but believes a larger asset is available due to this overestimation. This smaller reduction is recommended so that any additional funding can be used for non-pay requirements during the year of execution, as identified by the OIG. The Committee expects the OIG to submit future budget requests that more accurately reflect historical trends in civilian average strength and non-pay requirements.

TITLE VII
RELATED AGENCIES

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY
SYSTEM FUND

Appropriations, 2017	\$514,000,000
Budget estimate, 2018	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, 2017	\$515,596,000
Budget estimate, 2018	532,000,000
Committee recommendation	543,000,000

The Committee recommends an appropriation of \$543,000,000.
This is \$11,000,000 above 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 and modifies 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. *Restriction on Civilian Personnel End-Strength*.—Retains and modifies 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. *Alcoholic Beverages*.—Retains a provision carried in previous years.

SEC. 8017. *Demilitarization of Surplus Firearms*.—Retains 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 and modifies 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 and modifies a provision carried in previous years.

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

SEC. 8031. *Limitation on Funds to Disestablish SROTC*.—Retains a provision carried in previous years.

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. *Asia-Pacific Regional Initiative*.—Retains and modifies 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. *Field Operating Agencies*.—Retains a provision carried in previous years.

SEC. 8039. *Contractor Conversion and Performance*.—Retains a provision carried in previous years.

SEC. 8040. *Rescissions*.—The Committee recommends a general provision rescinding funds from prior years as displayed below:

2016 Appropriations	Amount
Other Procurement, Army:	
Mine-Resistant Ambush-Protected [MRAP] Mods	\$20,000,000
Emergency Management Modernization Program	2,000,000
Bridge Supplemental Set	3,967,000
Husky Mounted Detection System [HMDS]	7,000,000
Remote Demolition Systems	2,000,000
Mobile Soldier Power	2,000,000
Items Less Than \$5.0M (Const Equip)	3,000,000

	Amount
Aircraft Procurement, Navy:	
MH-60R (MYP)	24,500,000
JPATS	5,300,000
Adversary	4,300,000
Trainer A/C Series	10,900,000
Aircraft Procurement, Air Force:	
F-35 (AP-CY)	11,000,000
C-130H Modifications	42,700,000
F-16 Production Line Shutdown	3,950,000
Procurement of Ammunition, Air Force:	
Massive Ordnance Penetrator [MOP]	15,000,000
2017 Appropriations	
Aircraft Procurement, Army:	
Utility F/W Aircraft	17,000,000
Procurement of Weapons and Tracked Combat Vehicles, Army:	
Integrated Air Burst Weapon System Family	5,652,000
Procurement of Ammunition, Army:	
Shoulder Launched Munitions, All Types	17,000,000
Other Procurement, Army:	
Heavy Armored Sedan	390,000
Mid-Tier Networking Vehicular Radio [MNVR]	10,000,000
Aircraft Procurement, Navy:	
P-8A Poseidon	20,900,000
MQ-4 Triton	45,000,000
Aircraft Procurement, Air Force:	
KC-46A Tanker	31,100,000
UH-1N Replacement	15,300,000
Initial Spares/Repair Parts—ARS Spares	2,900,000
Classified	10,000,000
Space Procurement, Air Force:	
Evolved Expendable Launch Vehicle	79,800,000
Procurement of Ammunition, Air Force:	
Fuzes	18,000,000
Other Procurement, Air Force:	
MEECN—GASNT Increment 1	121,225,000
Classified	5,000,000
D-RAPCON	12,466,000
Combat Training Ranges: CEAR	3,900,000
Research, Development, Test and Evaluation, Army:	
Cyberspace Operations Forces and Force Support	20,000,000
Aircraft Avionics	8,000,000
Mid-tier Networking Vehicular Radio [MNVR]	1,681,000
Combat Vehicle Improvement Programs—Stryker engineering change proposals carryover	26,000,000
Aircraft Modifications/Product Improvement Programs	12,000,000
Distributed Common Ground/Surface Systems	14,000,000
Research, Development, Test and Evaluation, Air Force:	
Space Fence	20,000,000
ICBM Fuze Modernization	10,300,000
KC-46	85,000,000
Nuclear Weapons Modernization	11,000,000
C-130 Airlift Squadrons	7,300,000
Classified Programs	7,000,000
Research, Development, Test and Evaluation, Defense-wide:	
Combatting Terrorism Technology Support	25,000,000
Defense Health Program—Research, Development, Test and Evaluation:	
DHMSM Carryover	35,000,000

SEC. 8041. *Civilian Technician Reductions.*—Retains a provision carried in previous years.

SEC. 8042. *North Korea.*—Retains a provision carried in previous years.

SEC. 8043. *Reserve Component Intelligence Reimbursement*.—Retains a provision carried in previous years.

SEC. 8044. *Counter-Drug Activities Transfer*.—Retains a provision carried in previous years.

SEC. 8045. *Funding to Maintain Competitive Rates at Arsenals*.—Retains and modifies a provision carried in previous years.

SEC. 8046. *Launch Service Competitions*.—Retains a provision carried in previous years.

SEC. 8047. *United Service Organizations Grant*.—Retains and modifies a provision carried in previous years.

SEC. 8048. *Buy American Computers*.—Retains a provision carried in previous years.

SEC. 8049. *Small Business Set-Asides*.—Retains a provision carried in previous years.

SEC. 8050. *Contractor Bonuses*.—Retains a provision carried in previous years.

SEC. 8051. *Reserve Peacetime Support*.—Retains a provision carried in previous years.

SEC. 8052. *Unexpended Balances*.—Retains a provision carried in previous years.

SEC. 8053. *National Guard Distance Learning*.—Retains a provision carried in previous years.

SEC. 8054. *Assignment of Forces*.—Retains a provision carried in previous years.

SEC. 8055. *Sexual Assault Prevention Programs*.—Retains a provision carried in previous years.

SEC. 8056. *End-Item Procurement*.—Retains and modifies a provision carried in previous years.

SEC. 8057. *Buy American Waivers*.—Retains a provision carried in previous years.

SEC. 8058. *O&M, Navy Transfer to Stennis Center*.—Retains a provision carried in previous years.

SEC. 8059. *Joint Capability Demonstration Project*.—Retains a provision carried in previous years.

SEC. 8060. *Secretary of Defense Reporting Requirement*.—Retains a provision carried in previous years.

SEC. 8061. *Missile Defense Authorization*.—Retains a provision carried in previous years.

SEC. 8062. *Armor-Piercing Ammo*.—Retains a provision carried in previous years.

SEC. 8063. *Personal Property Lease Payments*.—Retains a provision carried in previous years.

SEC. 8064. *O&M, Army Transfer*.—Retains and modifies a provision carried in previous years.

SEC. 8065. *National Intelligence Program Separation*.—Retains a provision carried in previous years.

SEC. 8066. *Rapid Acquisition Authority Reporting Requirement*.—Inserts a new provision requiring notifications be submitted to the congressional defense committees.

SEC. 8067. *Israeli Cooperative Programs*.—Retains and modifies a provision carried in previous years.

SEC. 8068. *Prior Year Shipbuilding*.—Retains and modifies a provision carried in previous years.

SEC. 8069. *Intelligence Authorization*.—Retains and modifies a provision carried in previous years.

SEC. 8070. *New Start Authority*.—Retains a provision carried in previous years.

SEC. 8071. *Contingency Operations Budget Justification*.—Retains a provision carried in previous years.

SEC. 8072. *Nuclear Armed Interceptors*.—Retains a provision carried in previous years.

SEC. 8073. *Rapid Acquisition Authority*.—Inserts a new provision providing transfer authority for rapid acquisition and deployment of supplies and associated support.

SEC. 8074. *53rd Weather Reconnaissance Squadron*.—Retains a provision carried in previous years.

SEC. 8075. *Integration of Foreign Intelligence*.—Retains a provision carried in previous years.

SEC. 8076. *Army Tactical UAVs*.—Retains a provision carried in previous years.

SEC. 8077. *DNI R&D Waiver*.—Retains and modifies a provision carried in previous years.

SEC. 8078. *Shipbuilding Obligations*.—Retains a provision carried in previous years.

SEC. 8079. *DNI Reprogramming Baseline*.—Retains and modifies a provision carried in previous years.

SEC. 8080. *Support to Friendly Foreign Countries*.—Inserts a new provision requiring that funds available for support to friendly foreign countries are pursuant to sections 8005 or 9002 of this Act.

SEC. 8081. *Defense Acquisition Workforce Development Fund*.—Inserts a new provision requiring that any transfer of funds out of DAWDF are pursuant to sections 8005 or 9002 of this Act.

SEC. 8082. *Child Soldiers*.—Retains a provision carried in previous years.

SEC. 8083. *NIP Reprogramming*.—Retains a provision carried in previous years.

SEC. 8084. *Future-Years Intelligence Program*.—Retains a provision carried in previous years.

SEC. 8085. *Congressional Intelligence Committee Definition*.—Retains a provision carried in previous years.

SEC. 8086. *Fisher House Authorization*.—Retains a provision carried in previous years.

SEC. 8087. *Defense Acquisition Workforce Development Fund*.—Retains and modifies a provision carried in previous years.

SEC. 8088. *Public Disclosure of Agency Reports*.—Retains a provision carried in previous years.

SEC. 8089. *Contractor Compliance With the Civil Rights Act of 1964*.—Retains a provision carried in previous years.

SEC. 8090. *DOD-VA Medical Facility Demonstration*.—Retains and modifies a provision carried in previous years.

SEC. 8091. *O&M Readiness Funds and Transfer Authority*.—Inserts a new provision which provides for O&M Readiness Funds and Transfer Authority.

SEC. 8092. *Armored Vehicles*.—Retains a provision carried in previous years.

SEC. 8093. *NIP Reprogramming*.—Retains and modifies a provision carried in previous years.

SEC. 8094. *Transfer of Detainees to or Within the United States.*—Retains a provision carried in previous years.

SEC. 8095. *Detainee Facilities.*—Retains a provision carried in previous years.

SEC. 8096. *Detainee Transfer to a Foreign Country or Entity.*—Retains a provision carried in previous years.

SEC. 8097. *War Powers Resolution.*—Retains a provision carried in previous years.

SEC. 8098. *Rosoboronexport.*—Retains a provision carried in previous years.

SEC. 8099. *Crime Databases Reporting Requirement.*—Includes a new provision requiring two reports on the Department of Defense's submission of records to crime databases.

SEC. 8100. *Ex Gratia Payments.*—Retains a provision carried in previous years.

SEC. 8101. *Strategic Delivery Vehicles.*—Retains a provision carried in previous years.

SEC. 8102. *Rapid Prototyping Fund reprogrammings and account reductions.*—Includes a new provision regarding reprogrammings and reductions to procurement and research, development, test and evaluation accounts.

SEC. 8103. *Restrictions on NSA.*—Retains a provision carried in previous years.

SEC. 8104. *Transfers to Another Federal Agency.*—Retains a provision carried in previous years.

SEC. 8105. *Support to Foreign Countries.*—Retains a provision carried in previous years.

SEC. 8106. *T-AO(X) Oiler Program.*—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.*—Retains and modifies a provision carried in previous years.

SEC. 8109. *Authority to Use Funds for OPM Background Investigations.*—Retains and modifies a provision carried in previous years.

SEC. 8110. *Joint Surveillance Target Attack Radar System Recapitalization.*—Retains and modifies a provision carried in previous years.

SEC. 8111. *Closure of GTMO.*—Retains a provision carried in previous years.

SEC. 8112. *Blocking Pornography on Computers.*—Retains a provision carried in previous years.

SEC. 8113. *Global Engagement Center Reprogrammings.*—Retains and modifies a provision carried in previous years.

SEC. 8114. *Rapid Prototyping with DAWDF.*—Retains a provision carried in previous years.

TITLE IX
OVERSEAS CONTINGENCY OPERATIONS

DEPARTMENT OF DEFENSE—MILITARY

The Committee recommends an appropriation of \$64,955,032,000 for operations related to Overseas Contingency Operations. In fiscal year 2017 Congress appropriated \$82,349,791,000 for activities funded in this title in Public Law 114–254 and in Public Law 115–31, titles IX and X.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the Committee recommendation:

[In thousands of dollars]

	Fiscal year 2017 enacted	Fiscal year 2018 estimate	Committee recommendation
Military Personnel	3,442,008	4,326,172	4,326,172
Operation and Maintenance	47,736,507	49,091,691	47,837,999
Procurement	9,368,076	9,803,921	10,459,621
Research, development, test and evaluation	406,669	648,387	911,487
Revolving and management funds	140,633	148,956	148,956
Other Department of Defense Programs	908,631	1,099,855	616,797
General provisions (net)	– 180,524	.....	654,000
Public Law 114–254	5,775,000	.....	.....
Public Law 115–31 title X	14,752,267	.....	.....
Total, Overseas Contingency Operations	82,349,791	65,118,982	64,955,032

OVERVIEW

COMMITTEE RECOMMENDATION

The Committee recommends \$64,955,032,000 of additional appropriations for Overseas Contingency Operations in fiscal year 2018. 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 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 Syria Fund.

MILITARY PERSONNEL

The Committee recommends a total of \$4,326,172,000 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, 2017 *	\$2,145,612,000
Budget estimate, 2018	2,683,694,000
Committee recommendation	2,683,694,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$2,683,694,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: Pay and Allowances of Officers			
5	Basic Pay	462,564	462,564	.....
10	Retired Pay Accrual	104,534	104,534	.....
25	Basic Allowance for Housing	167,686	167,686	.....
30	Basic Allowance for Subsistence	18,508	18,508	.....
35	Incentive Pays	3,191	3,191	.....
40	Special Pays	24,006	24,006	.....
45	Allowances	14,668	14,668	.....
50	Separation Pay	7,090	7,090	.....
55	Social Security Tax	35,386	35,386	.....
	Total	837,633	837,633	.....
	BA 2: Pay and Allowances of Enlisted			
60	Basic Pay	764,819	764,819	.....
65	Retired Pay Accrual	172,849	172,849	.....
80	Basic Allowance for Housing	346,571	346,571	.....
85	Incentive Pays	2,784	2,784	.....
90	Special Pays	48,257	48,257	.....
95	Allowances	44,934	44,934	.....
100	Separation Pay	15,317	15,317	.....
105	Social Security Tax	58,509	58,509	.....
	Total	1,454,040	1,454,040	.....
	BA 4: Subsistence of Enlisted Personnel			
115	Basic Allowance for Subsistence	86,977	86,977	.....
120	Subsistence-In-Kind	222,885	222,885	.....
	Total	309,862	309,862	.....
	BA 5: Permanent Change of Station Travel			
135	Operational Travel	22,158	22,158	.....
140	Rotational Travel	5,741	5,741	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Total	27,899	27,899	.....
	BA 6: Other Military Personnel Costs			
175	Interest on Uniformed Services Savings	2,997	2,997	.....
180	Death Gratuities	2,000	2,000	.....
185	Unemployment Benefits	39,253	39,253	.....
216	SGLI Extra Hazard Payments	10,010	10,010	.....
	Total	54,260	54,260	.....
	Total, Military Personnel, Army	2,683,694	2,683,694	.....

MILITARY PERSONNEL, NAVY

Appropriations, 2017 *	\$337,911,000
Budget estimate, 2018	377,857,000
Committee recommendation	377,857,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$377,857,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: Pay and Allowances of Officers			
5	Basic Pay	74,171	74,171	.....
10	Retired Pay Accrual	16,763	16,763	.....
25	Basic Allowance for Housing	25,185	25,185	.....
30	Basic Allowance for Subsistence	2,616	2,616	.....
35	Incentive Pays	631	631	.....
40	Special Pays	3,168	3,168	.....
45	Allowances	7,597	7,597	.....
55	Social Security Tax	5,674	5,674	.....
	Total	135,805	135,805	.....
	BA 2: Pay And Allowances Of Enlisted Personnel			
60	Basic Pay	86,671	86,671	.....
65	Retired Pay Accrual	19,588	19,588	.....
80	Basic Allowance for Housing	46,974	46,974	.....
90	Special Pays	6,542	6,542	.....
95	Allowances	17,995	17,995	.....
105	Social Security Tax	6,630	6,630	.....
	Total	184,400	184,400	.....
	BA 4: Subsistence of Enlisted Personnel			
115	Basic Allowance for Subsistence	10,359	10,359	.....
120	Subsistence-In-Kind	29,101	29,101	.....
	Total	39,460	39,460	.....
	BA 5: Permanent Change of Station Travel			
125	Accession Travel	3,806	3,806	.....
135	Operational Travel	1,264	1,264	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
140	Rotational Travel	600	600	.....
145	Separation Travel	2,152	2,152	.....
	Total	7,822	7,822	.....
BA 6: Other Military Personnel Costs				
180	Death Gratuities	300	300	.....
185	Unemployment Benefits	5,978	5,978	.....
212	Reserve Income Replacement Program	9	9	.....
216	SGLI Extra Hazard Payments	4,083	4,083	.....
	Total	10,370	10,370	.....
	Total, Military Personnel, Navy	377,857	377,857	.....

MILITARY PERSONNEL, MARINE CORPS

Appropriations, 2017 *	\$185,573,000
Budget estimate, 2018	103,979,000
Committee recommendation	103,979,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$103,979,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
BA1: Pay and Allowances of Officers				
5	Basic Pay	19,766	19,766	.....
10	Retired Pay Accrual	4,479	4,479	.....
25	Basic Allowance for Housing	6,679	6,679	.....
30	Basic Allowance for Subsistence	634	634	.....
35	Incentive Pays	160	160	.....
40	Special Pays	2,486	2,486	.....
45	Allowances	920	920	.....
55	Social Security Tax	1,512	1,512	.....
	Total	36,636	36,636	.....
BA 2: Pay And Allowances Of Enlisted Personnel				
60	Basic Pay	24,617	24,617	.....
65	Retired Pay Accrual	5,551	5,551	.....
80	Basic Allowance for Housing	15,229	15,229	.....
85	Incentive Pays	23	23	.....
90	Special Pays	8,084	8,084	.....
95	Allowances	6,935	6,935	.....
105	Social Security Tax	1,883	1,883	.....
	Total	62,322	62,322	.....
BA 4: Subsistence of Enlisted Personnel				
115	Basic Allowance for Subsistence	2,842	2,842	.....
	Total	2,842	2,842	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	BA 6: Other Military Personnel Costs			
175	Interest on Uniformed Services Savings	302	302	.....
205	Special Compensation for Severely Disabled Retirees	1,877	1,877	.....
	Total	2,179	2,179	.....
	Total, Military Personnel, Marine Corps	103,979	103,979	.....

MILITARY PERSONNEL, AIR FORCE

Appropriations, 2017 *	\$888,911,000
Budget estimate, 2018	914,119,000
Committee recommendation	914,119,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$914,119,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	BA 1: Pay and Allowances of Officers			
5	Basic Pay	122,568	122,568	.....
10	Retired Pay Accrual	27,700	27,700	.....
25	Basic Allowance for Housing	38,118	38,118	.....
30	Basic Allowance for Subsistence	4,276	4,276	.....
40	Special Pays	6,093	6,093	.....
45	Allowances	6,577	6,577	.....
55	Social Security Tax	9,376	9,376	.....
	Total	214,708	214,708	.....
	BA 2: Pay and Allowances of Enlisted			
60	Basic Pay	279,399	279,399	.....
65	Retired Pay Accrual	63,144	63,144	.....
80	Basic Allowance for Housing	118,426	118,426	.....
90	Special Pays	23,327	23,327	.....
95	Allowances	23,238	23,238	.....
105	Social Security Tax	21,374	21,374	.....
	Total	528,908	528,908	.....
	BA 4: Subsistence of Enlisted Personnel			
115	Basic Allowance for Subsistence	30,311	30,311	.....
120	Subsistence-In-Kind	117,214	117,214	.....
121	Family Subsistence Supplemental Allowance			
	Total	147,525	147,525	.....
	BA 6: Other Military Personnel Costs			
180	Death Gratuities	1,007	1,007	.....
185	Unemployment Benefits	15,568	15,568	.....
216	SGLI Extra Hazard Payments	6,403	6,403	.....
	Total	22,978	22,978	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Total, Military Personnel, Air Force	914,119	914,119	.....

RESERVE PERSONNEL, ARMY

Appropriations, 2017	\$42,506,000
Budget estimate, 2018	24,942,000
Committee recommendation	24,942,000

The Committee recommends an appropriation of \$24,942,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
80	BA 1: Reserve Component Training and Support			
	Special Training	24,942	24,942	.....
	Total	24,942	24,942	.....
	Total, Reserve Personnel, Army	24,942	24,942	.....

RESERVE PERSONNEL, NAVY

Appropriations, 2017	\$11,929,000
Budget estimate, 2018	9,091,000
Committee recommendation	9,091,000

The Committee recommends an appropriation of \$9,091,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
80	BA 1: Reserve Component Training and Support			
	Special Training	8,835	8,835	.....
90	Administration and Support	256	256	.....
	Total	9,091	9,091	.....
	Total, Reserve Personnel, Navy	9,091	9,091	.....

RESERVE PERSONNEL, MARINE CORPS

Appropriations, 2017	\$3,764,000
Budget estimate, 2018	2,328,000
Committee recommendation	2,328,000

The Committee recommends an appropriation of \$2,328,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
80	BA1: Reserve Component Training and Support			
	Special Training	2,285	2,285	.....
90	Administration and Support	43	43	.....
	Total	2,328	2,328	.....
	Total, Reserve Personnel, Marine Corps	2,328	2,328	.....

RESERVE PERSONNEL, AIR FORCE

Appropriations, 2017	\$20,535,000
Budget estimate, 2018	20,569,000
Committee recommendation	20,569,000

The Committee recommends an appropriation of \$20,569,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
80	BA 1: Reserve Component Training and Support			
	Special Training	20,569	20,569	.....
	Total	20,569	20,569	.....
	Total, Reserve Personnel, Air Force	20,569	20,569	.....

NATIONAL GUARD PERSONNEL, ARMY

Appropriations, 2017	\$196,472,000
Budget estimate, 2018	184,589,000
Committee recommendation	184,589,000

The Committee recommends an appropriation of \$184,589,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
10	BA 1: Reserve Component Training and Support Pay Group A Training (15 Days & Drills 24/48)	39,327	39,327	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
70	School Training	2,881	2,881	.....
80	Special Training	132,994	132,994	.....
90	Administration and Support	9,387	9,387	.....
	Total	184,589	184,589	.....
	Total, National Guard Personnel, Army	184,589	184,589	.....

NATIONAL GUARD PERSONNEL, AIR FORCE

Appropriations, 2017	\$5,288,000
Budget estimate, 2018	5,004,000
Committee recommendation	5,004,000

The Committee recommends an appropriation of \$5,004,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
80	BA 1: Reserve Component Training and Support			
	Special Training	5,004	5,004	.....
	Total	5,004	5,004	.....
	Total, National Guard Personnel, Air Force	5,004	5,004	.....

OPERATION AND MAINTENANCE

The Committee recommends \$47,837,999,000 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, ARMY

Appropriations, 2017 *	\$19,853,501,000
Budget estimate, 2018	16,998,894,000
Committee recommendation	16,702,994,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$16,702,994,000. This is \$295,900,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units	828,225	828,225	.....
113	Echelons Above Brigade	25,474	25,474	.....
114	Theater Level Assets	1,778,644	1,778,644	.....
115	Land Forces Operations Support	260,575	260,575	.....
116	Aviation Assets	284,422	284,422	.....
121	Force Readiness Operations Support	2,784,525	2,734,525	— 50,000
	Maintain program affordability: Unjustified growth .....	.....	.....	— 50,000
122	Land Forces Systems Readiness	502,330	502,330	.....
123	Land Forces Depot Maintenance	104,149	104,149	.....
131	Base Operations Support	80,249	80,249	.....
132	Facilities Sustainment, Restoration, and Modernization	32,000	32,000	.....
135	Additional Activities	6,988,168	6,860,268	— 127,900
	Maintain program affordability: Unjustified growth .....	.....	.....	— 20,000
	Improving funds management: Program decrease unaccounted for .....	.....	.....	— 107,900
136	Commanders' Emergency Response Program	5,000	5,000	.....
137	Reset	864,926	864,926	.....
141	US Africa Command	186,567	186,567	.....
142	US European Command	44,250	44,250	.....
212	Army Prepositioned Stocks	56,500	56,500	.....
421	Servicewide Transportation	789,355	739,355	— 50,000
	Maintain program affordability: Unjustified growth .....	.....	.....	— 50,000
422	Central Supply Activities	16,567	16,567	.....
423	Logistics Support Activities	6,000	6,000	.....
424	Ammunition Management	5,207	5,207	.....
434	Other Personnel Support	107,091	107,091	.....
437	Real Estate Management	165,280	165,280	.....
999	Classified Programs	1,083,390	1,083,390	.....
UNDIST	Maintain program affordability: Army PGSS requirement decrease .....	.....	— 41,000	— 41,000
UNDIST	Improving funds management: Program decrease unaccounted for .....	.....	— 27,000	— 27,000
	Total, Operation and Maintenance, Army	16,998,894	16,702,994	— 295,900

Commanders' Emergency Response Program.—The Committee recommends \$5,000,000 for the Commanders' Emergency Response Program [CERP] in Afghanistan in fiscal year 2018. The Committee directs the Army to submit quarterly 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 \$2,000,000 in cost (including any ancillary or related elements in connection with such project).

OPERATION AND MAINTENANCE, NAVY

Appropriations, 2017 *	\$9,757,861,000
Budget estimate, 2018	5,951,289,000
Committee recommendation	5,789,404,000

* Includes amounts appropriated in Public Law 114–254.

The Committee recommends an appropriation of \$5,789,404,000. This is \$161,885,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Mission And Other Flight Operations	412,710	412,710	.....
1A2A	Fleet Air Training	5,674	5,674	.....
1A3A	Aviation Technical Data & Engineering Services	1,750	1,750	.....
1A4A	Air Operations And Safety Support	2,989	2,989	.....
1A4N	Air Systems Support	144,030	144,030	.....
1A5A	Aircraft Depot Maintenance	211,196	211,196	.....
1A6A	Aviation Depot Operations Support	1,921	1,921	.....
1A9A	Aviation Logistics	102,834	102,834	.....
1B1B	Mission And Other Ship Operations	871,453	871,453	.....
1B2B	Ship Operations Support & Training	19,627	19,627	.....
1B4B	Ship Depot Maintenance	2,483,179	2,483,179	.....
1C1C	Combat Communications	58,886	58,886	.....
1C3C	Space Systems and Surveillance	4,400	4,400	.....
1C4C	Warfare Tactics	21,550	21,550	.....
1C5C	Operational Meteorology And Oceanography	21,104	21,104	.....
1C6C	Combat Support Forces	611,936	611,936	.....
1C7C	Equipment Maintenance	11,433	11,433	.....
1D4D	Weapons Maintenance	371,611	371,611	.....
1D7D	Other Weapons Systems Support	9,598	9,598	.....
B5M1	Facilities Sustainment, Restoration And Modernization	31,898	31,898	.....
B5S1	Base Operating Support	230,246	230,246	.....
2B2G	Ship Activations/Inactivations	1,869	1,869	.....
2C1H	Expeditionary Health Service Systems	11,905	11,905	.....
2C3H	Coast Guard Support	161,885	.....	- 161,885
	Coast Guard funded in Department of Homeland Security bill .....	.....	.....	- 161,885
3B1K	Specialized Skill Training	43,369	43,369	.....
4A1M	Administration	3,217	3,217	.....
4A4M	Military Manpower And Personnel Management	7,356	7,356	.....
4B1N	Servicewide Transportation	67,938	67,938	.....
4B3N	Acquisition And Program Management	9,446	9,446	.....
4C1P	Investigative and Security Services	1,528	1,528	.....
999	Classified Programs	12,751	12,751	.....
	Total, Operation and Maintenance, Navy	5,951,289	5,789,404	- 161,885

OPERATION AND MAINTENANCE, MARINE CORPS

Appropriations, 2017 *	\$2,043,055,000
Budget estimate, 2018	1,141,374,000
Committee recommendation	1,141,374,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$1,414,374,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Operational Forces	720,013	720,013	.....
1A2A	Field Logistics	256,536	256,536	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1A3A	Depot Maintenance	52,000	52,000	.....
BSS1	Base Operating Support	17,529	17,529	.....
3B4D	Training Support	29,421	29,421	.....
4A3G	Servicewide Transportation	62,225	62,225	.....
999	Classified Programs	3,650	3,650	.....
	Total, Operation and Maintenance, Marine Corps	1,141,374	1,141,374	.....

OPERATION AND MAINTENANCE, AIR FORCE

Appropriations, 2017 *	\$12,550,916,000
Budget estimate, 2018	10,266,295,000
Committee recommendation	10,223,895,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$10,223,895,000. This is \$42,400,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces	248,235	248,235	.....
011C	Combat Enhancement Forces	1,394,962	1,394,962	.....
011D	Air Operations Training	5,450	5,450	.....
011M	Depot Maintenance	699,860	699,860	.....
011R	Facilities Sustainment, Restoration & Modernization	113,131	113,131	.....
011W	Contractor Logistics Support and System Support	2,039,551	1,997,151	- 42,400
	Improving funds management: Remove one-time fiscal year 2017 costs			- 7,400
	Maintain program affordability: Unjustified program growth			- 35,000
011Y	Flying Hour Program	2,059,363	2,059,363	.....
011Z	Base Operating Support	1,088,946	1,088,946	.....
012A	Global C3I And Early Warning	15,274	15,274	.....
012C	Other Combat Ops Spt Programs	198,090	198,090	.....
012F	Tactical Intelligence and Special Activities	58,098	58,098	.....
013A	Launch Facilities	385	385	.....
013C	Space Control Systems	22,020	22,020	.....
015C	US NORTHCOM/NORAD	381	381	.....
015D	US STRATCOM	698	698	.....
015E	US CYBERCOM	35,239	35,239	.....
015F	US CENTCOM	159,520	159,520	.....
015G	US SOCOM	19,000	19,000	.....
021A	Airlift Operations	1,430,316	1,430,316	.....
021D	Mobilization Preparedness	213,827	213,827	.....
031A	Officer Acquisition	300	300	.....
031B	Recruit Training	298	298	.....
031D	Reserve Officers Training Corps [ROTC]	90	90	.....
032A	Specialized Skill Training	25,675	25,675	.....
032B	Flight Training	879	879	.....
032C	Professional Development Education	1,114	1,114	.....
032D	Training Support	1,426	1,426	.....
041A	Logistics Operations	151,847	151,847	.....
041B	Technical Support Activities	8,744	8,744	.....
042A	Administration	6,583	6,583	.....
042B	Servicewide Communications	129,508	129,508	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
042G	Other Servicewide Activities	84,110	84,110	.....
043A	Security Programs	53,255	53,255	.....
044A	International Support	120	120	.....
	Total, Operation and Maintenance, Air Force	10,266,295	10,223,895	- 42,400

OPERATION AND MAINTENANCE, DEFENSE-WIDE

Appropriations, 2017 *	\$7,573,883,000
Budget estimate, 2018	7,793,244,000
Committee recommendation	7,803,437,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$7,803,437,000. This is \$10,193,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Joint Chiefs of Staff	4,841	4,841	.....
	Special Operations Command	3,305,234	3,272,227	- 33,007
	Maintain program affordability: Maintenance- unjustified growth			- 33,007
	Defense Contract Audit Agency	9,853	9,853	.....
	Defense Contract Management Agency	21,317	21,317	.....
	Defense Information Systems Agency	64,137	64,137	.....
	Defense Legal Services Agency	115,000	115,000	.....
	Defense Media Activity	13,255	13,255	.....
	Department Of Defense Education Activity	31,000	31,000	.....
	Defense Security Cooperation Agency	2,312,000	2,037,000	- 275,000
	Maintain program affordability: Maintain level of effort—Security Cooperation			- 100,000
	Maintain program affordability: Maintain level of effort—Lift and Sustain			- 175,000
	Defense Threat Reduction Agency		318,200	+ 318,200
	Transfer: Transfer from Joint Improvised-Threat Defeat Fund base for execution			+ 7,442
	Transfer: Transfer from Joint Improvised-Threat Defeat Fund OCO for execution			+ 310,758
	Office Of The Secretary Of Defense	34,715	34,715	.....
	Washington Headquarters Services	3,179	3,179	.....
	Classified Programs	1,878,713	1,878,713	.....
	Total, Operation and Maintenance, Defense-Wide	7,793,244	7,803,437	+ 10,193

Pakistan Reimbursements.—The National Defense Authorization Act [NDAA] carries a limitation on reimbursement of Pakistan's counterterrorism activities pending certification by the Secretary of Defense that Pakistan has taken sufficient action against the Haqqani network to warrant such reimbursement. Thus far, Pakistan has not met the necessary certification requirements to receive the full reimbursement budgeted for these activities. The timing of certification decision, toward the end of the 2-year life of the funds, has resulted in hundreds of millions of unexecutable dollars

held in Department of Defense accounts for several years. The Committee believes that it would be more appropriate for the Department to request funding to cover the portion of Pakistan's reimbursable activities that are subject to the certification requirements in the year the certification decision will be made so that Congress can make informed decisions about whether such funds should be provided as requested or reallocated for higher priority Department of Defense requirements. Therefore, the Committee recommends a rescission of \$400,000,000 from fiscal year 2017 Coalition Support Funds. The Committee remains hopeful that Pakistan will undertake all necessary counterterrorism activities against the Haqqani network to meet the certification requirements and looks forward to a budget submission fully justified by an affirmative certification when warranted.

Security Cooperation.—At the end of fiscal year 2017, the Department of Defense had informed Congress of plans to spend only \$110,000,000 of the \$750,000,000 appropriated for Overseas Contingency Operations [OCO] building partner capacity efforts. The Committee understands that the lagging execution of the fiscal year 2017 OCO Security Cooperation funds can be attributed to a number of factors, including the lengthy budget delay in fiscal year 2017 and significant new processes and requirements resulting from security cooperation reforms in 10 U.S.C. § 333. Nevertheless, the Committee believes that the Department will not be able to execute all remaining fiscal year 2017 funds in addition to the \$750,000,000 recommended for security cooperation activities in fiscal year 2018 in a deliberative manner that would ensure that programs are properly vetted. Therefore, the Committee recommends a rescission of \$250,000,000 of fiscal year 2017 funds.

Security Sector Assistance Steering Committee.—The Committee supports the new Department of State-Department of Defense Security Sector Assistance Steering Committee which aims to promote joint planning and optimization of both Departments' security assistance resources. The Committee directs the Secretary of Defense and the Secretary of State to provide a report on the activities and progress of the Defense Security Sector Assistance Steering Committee to the congressional defense and foreign relations committees, not later than 180 days after enactment of this Act.

Arms Sales and Human Rights.—The Committee has an interest in ensuring that the defense articles or services, sold, licensed, or exported by the United States, are not used by recipient countries in the commission of human rights violations. The Committee thereby directs the Secretary of Defense, in coordination with the Secretary of State, to report to the appropriate congressional committees not later than 180 days after the of enactment of this act, an assessment of whether U.S. supplied defense articles and services have contributed to violations of human rights by recipient countries in the past three years. The assessment should draw upon all-source reporting, including information from nongovernmental sources, as appropriate. Further, the report should include a proposal to mitigate the potential for the use of U.S. provided defense articles or services in human rights abuses by recipient countries in arms sales and security assistance planning.

Private Security Companies.—The Committee notes the prevalent use of contracted private security companies [PSCs] to address U.S. security needs overseas. While recognizing the necessity of using PSCs in certain high threat environments, the Committee is concerned with the lack of sufficient oversight and accountability for such companies, which can undermine U.S. national security interests. Therefore, the Committee directs the Secretary of Defense to report to the congressional defense committees, not later than 90 days after enactment of this act, a plan for ensuring that all PSCs under contract with the Department of Defense are certified by the International Code of Conduct Association and subject to its regular oversight and monitoring. The report shall include an explanation of any potential challenges or limitations in implementation of the plan.

Counter-Lord’s Resistance Army.—The Committee commends the Department of Defense and U.S. Africa Command for the success of Operation Observant Compass in coordinating with community leaders and civil society partners to reduce Lord’s Resistance Army [LRA] violence and strengthen early warning and civilian protection mechanisms. The Committee directs the Secretary of Defense, in coordination with the Secretary of State, to provide a report to the congressional defense and foreign relations committees on the lessons learned from Operation Observant Compass, including in the area of civil-military coordination, and an assessment of how these lessons are being institutionalized and applied to other complex crises, not later than 270 days after enactment of this act. The Committee recommends that the Secretary of Defense continue to support civil-military coordination in the region and closely track any signs of resurgence in LRA abductions and attacks.

OPERATION AND MAINTENANCE, ARMY RESERVE

Appropriations, 2017	\$38,679,000
Budget estimate, 2018	24,699,000
Committee recommendation	24,699,000

The Committee recommends an appropriation of \$24,699,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
113	Echelons Above Brigade	4,179	4,179	.....
115	Land Forces Operations Support	2,132	2,132	.....
121	Force Readiness Operations Support	779	779	.....
131	Base Operations Support	17,609	17,609	.....
	Total, Operation and Maintenance, Army Reserve	24,699	24,699	.....

OPERATION AND MAINTENANCE, NAVY RESERVE

Appropriations, 2017	\$29,473,000
Budget estimate, 2018	23,980,000
Committee recommendation	23,980,000

The Committee recommends an appropriation of \$23,980,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
1A5A	Aircraft Depot Maintenance	14,964	14,964	.....
1C6C	Combat Support Forces	9,016	9,016	.....
	Total, Operation and Maintenance, Navy Reserve	23,980	23,980	.....

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

Appropriations, 2017	\$3,304,000
Budget estimate, 2018	3,367,000
Committee recommendation	3,367,000

The Committee recommends an appropriation of \$3,367,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Operational Forces	2,548	2,548	.....
BSS1	Base Operating Support	819	819	.....
	Total, Operation and Maintenance, Marine Corps Reserve	3,367	3,367	.....

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

Appropriations, 2017	\$172,685,000
Budget estimate, 2018	58,523,000
Committee recommendation	53,523,000

The Committee recommends an appropriation of \$53,523,000. This is \$5,000,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
011M	Depot Maintenance	52,323	47,323	- 5,000
	Maintain program affordability: Program decrease not fully accounted for			- 5,000
011Z	Base Operating Support	6,200	6,200	.....
	Total, Operation and Maintenance, Air Force Reserve	58,523	53,523	- 5,000

OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

Appropriations, 2017	\$214,903,000
Budget estimate, 2018	108,111,000
Committee recommendation	108,111,000

The Committee recommends an appropriation of \$108,111,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units	41,731	41,731	.....
112	Modular Support Brigades	762	762	.....
113	Echelons Above Brigade	11,855	11,855	.....
114	Theater Level Assets	204	204	.....
116	Aviation Assets	27,583	27,583	.....
121	Force Readiness Operations Support	5,792	5,792	.....
131	Base Operations Support	18,507	18,507	.....
133	Management and Operational Headquarters	937	937	.....
432	Servicewide Communications	740	740	.....
	Total, Operation and Maintenance, Army National Guard	108,111	108,111	.....

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

Appropriations, 2017	\$43,000,000
Budget estimate, 2018	15,400,000
Committee recommendation	15,400,000

The Committee recommends an appropriation of \$15,400,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
011G	Mission Support	3,468	3,468	.....
011Z	Base Support	11,932	11,932	.....
	Total, Operation and Maintenance, Air National Guard	15,400	15,400	.....

AFGHANISTAN SECURITY FORCES FUND

Appropriations, 2017 \$4,262,715,000
 Budget estimate, 2018 4,937,515,000
 Committee recommendation 4,178,815,000

The Committee recommends an appropriation of \$4,178,815,000. This is \$758,700,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Sustainment	2,660,855	2,268,355	- 392,500
	Excess forward financing: Light Air Sustainment			- 4,500
	Excess forward financing: Other Aircraft Sustainment			- 27,500
	Insufficient budget justification: Rotary-Wing Aircraft Sustainment			- 166,000
	Insufficient budget justification: Special Mission Wing Aircraft Sustainment			- 92,500
	Insufficient budget justification: ANA Combat Force Sustainment			- 30,000
	Excess forward financing: Secure Communications			- 47,000
	Excess forward financing: Night Vision Device Maintenance			- 15,000
	Unjustified growth: Site Improvement and Minor Construction			- 10,000
	Infrastructure	21,000	21,000	
	Equipment and Transportation	684,786	487,286	- 197,500
	Insufficient budget justification: Rotary-wing aircraft			- 197,500
	Training and Operations	405,117	368,117	- 37,000
	Insufficient budget justification: Out of Country Fixed-wing Pilot Training			- 18,000
	Insufficient budget justification: ASFF Training Program			- 9,000
	Unjustified growth: MOD Advisors:			- 10,000
	Subtotal, Ministry of Defense	3,771,758	3,144,758	- 627,000
	Sustainment	955,574	823,874	- 131,700
	Unjustified growth: Police Salaries			- 69,700
	Contract savings: National Maintenance Strategy			- 62,000
	Infrastructure	39,595	39,595	
	Equipment and Transportation	75,976	75,976	
	Training and Operations	94,612	94,612	
	Subtotal, Ministry of Interior	1,165,757	1,034,057	- 131,700
	Total, Afghanistan Security Forces Fund	4,937,515	4,178,815	- 758,700

Human Rights Vetting.—In June 2017, the Special Inspector General for Afghanistan Reconstruction [SIGAR] issued a report outlining inquiry findings in response to a request from 93 members of Congress who were concerned about allegations of child sexual abuse committed by members of the Afghan security forces and the manner in which vetting, required by 10 U.S.C. § 362 or “the Leahy law,” are implemented in Afghanistan. The Committee was surprised and troubled to learn that there were some credible cases of gross human rights violations for which the Secretary of Defense used the “notwithstanding clause” of the Afghanistan Security Forces Fund [ASFF] provision of the Department of Defense Appro-

priations Act to continue to provide select training, equipment, and other assistance to some of the Afghan units implicated in those incidents.

The Committee notes that the ASFF “notwithstanding clause” was not intended to be used to exempt requirements to withhold support from units involved in human rights abuses under the Leahy law, and therefore, has removed the “notwithstanding clause” from the ASFF provision in this act.

The Committee understands that ASFF is unique among building partner capacity efforts in that it is used for operational purposes by a force that is in combat, at times alongside U.S. personnel, and that the withholding of assistance could present risks to U.S. or coalition forces or to U.S. national security objectives in Afghanistan. In those exceptional cases where such risks are determined by the Secretary of Defense to warrant continued provision of assistance to units involved in human rights abuses, the Committee believes the exceptional circumstances waiver and Congressional notification requirements of the Leahy law should be utilized. Moreover, to ensure that adequate mechanisms exist within the Department of Defense to ensure that sexual abuse of children and other violations of human rights by members of the Afghan security forces are reported and that human rights vetting requirements are enforced, the Committee directs the Secretary of Defense to establish a position responsible for overseeing and supporting Leahy law implementation in Afghanistan, as recommended by the SIGAR.

Excessive Contract Costs.—The Committee is concerned about the excessive costs of contracts awarded using the Afghanistan Security Forces Fund [ASFF]. Recent reports from both the Special Inspector General for Afghanistan Reconstruction and the Defense Contract Audit Agency [DCAA] found deficiencies that resulted in tens of millions of dollars potentially lost to fraud, waste, and abuse. In addition, the Committee’s own review of ASFF budget justification materials showed excessive and unwarranted contract costs. For example, the request for the annual contract for out of country fixed-wing pilot training was over \$700,000 per Afghan student, including over \$160,000 per student just for housing, food and general expenses. Such excessive per student living costs are not justified. The contract for rotary-wing pilot training showed similarly large and unexplained costs. Therefore, the Committee directs that the Director of the DCAA examine all ASFF training contracts and report to the congressional defense committees on its finding. The Committee also directs the Secretary of Defense to provide to the congressional defense committees an accounting of all contracts funded with ASFF, the annual value of each contract, and the ASFF line item that funds each contract.

Afghanistan Security Forces Fund Budget Justification.—The Committee commends the Department for efforts to improve the Afghanistan Security Forces Fund [ASFF] budget justification materials and Financial Activity Plans [FAPs]. To further inform the budget review, the Committee directs the Secretary of Defense to provide budget justification materials that include, the budget request amount, the appropriated amount, and the actual obligation amount by line item, for the prior two years. In addition, concur-

rent with the submission of each FAP, the Secretary of Defense shall provide the congressional defense committees with line item detail of planned funding movements within ASFF using line item titles from the appropriate year’s budget justification submission. Any line item that did not appear in the budget justification submission shall be delineated as a new line item.

COUNTER-ISIS TRAIN AND EQUIP FUND

Appropriations, 2017	\$1,606,400,000
Budget estimate, 2018	1,769,000,000
Committee recommendation	1,769,000,000

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

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	C-ISIS Train and Equip Fund	1,769,000	1,769,000	.....
	Total, C-ISIS Train and Equip Fund	1,769,000	1,769,000	.....

PROCUREMENT

The Committee recommends \$10,459,621,000 for the procurement accounts. The Overseas Contingency Operations 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, 2017	\$629,955,000
Budget estimate, 2018	424,686,000
Committee recommendation	420,086,000

The Committee recommends an appropriation of \$420,086,000 below. This is \$4,600,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
4	MQ-1 UAV	87,300	87,300	.....
6	AH-64 Apache Block IIIA Reman	39,040	39,040	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
15	MQ-1 Payload (MIP)	41,400	41,400	.....
18	Multi Sensor ABN Recon (MIP)	33,475	28,875	- 4,600
	Restoring acquisition accountability: Guardrail ELINT installations early to need			- 4,600
23	EMARSS SEMA Mods (MIP)	36,000	36,000	.....
27	Comms, Nav Surveillance	4,289	4,289	.....
33	CMWS	139,742	139,742	.....
34	Common Infrared Countermeasures [CIRCM]	43,440	43,440	.....
	Total, Aircraft Procurement, Army	424,686	420,086	- 4,600

MISSILE PROCUREMENT, ARMY

Appropriations, 2017 *	\$1,214,171,000
Budget estimate, 2018	559,283,000
Committee recommendation	559,283,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$559,283,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
5	Hellfire Sys Summary	278,073	278,073	.....
8	Javelin (Aaws-M) System Summary	8,112	8,112	.....
9	Tow 2 System Summary	3,907	3,907	.....
11	Guided MLRS Rocket [GMLRS]	191,522	191,522	.....
13	High Mobility Artillery Rocket System [HIMARS]	41,000	41,000	.....
14	LETHAL MINIATURE AERIAL MISSILE SYSTEM [LMAMS]	8,669	8,669	.....
18	Stinger Mods	28,000	28,000	.....
	Total, Missile Procurement, Army	559,283	559,283	.....

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Appropriations, 2017	\$457,162,000
Budget estimate, 2018	1,191,139,000
Committee recommendation	1,191,139,000

The Committee recommends an appropriation of \$1,191,139,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Bradley Program	200,000	200,000	.....
2	Armored Multi Purpose Vehicle [AMPV]	253,903	253,903	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
6	Bradley Program (MOD)	30,000	30,000	.....
8	Paladin Integrated Management (PIM)	125,736	125,736	.....
14	M1 Abrams Tank (MOD)	138,700	138,700	.....
15	Abrams Upgrade Program	442,800	442,800	.....
	Total, Procurement of Weapons and Tracked Combat Vehicles, Army	1,191,139	1,191,139	.....

PROCUREMENT OF AMMUNITION, ARMY

Appropriations, 2017	\$738,355,000
Budget estimate, 2018	193,436,000
Committee recommendation	191,836,000

The Committee recommends an appropriation of \$191,836,000. This is \$1,600,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
3	CTG, Handgun, All Types	5	5	.....
4	CTG, .50 Cal, All Types	121	121	.....
5	CTG, 20mm, All Types	1,605	1,605	.....
7	CTG, 30mm, All Types	35,000	35,000	.....
15	Proj 155mm Extended Range M982	23,234	23,234	.....
16	Artillery Propellants, Fuzes and Primers, All	20,023	20,023	.....
17	Mines & Clearing Charges, All Types	11,615	11,615	.....
19	Shoulder Launched Munitions, All Types	25,000	25,000	.....
20	Rocket, Hydra 70, All Types	75,820	74,220	-1,600
	Improving funds management: Previously funded (APKWS) .....	.....	.....	-1,600
24	Signals, All Types	1,013	1,013	.....
	Total, Procurement of Ammunition, Army	193,436	191,836	-1,600

OTHER PROCUREMENT, ARMY

Appropriations, 2017*	\$1,827,119,000
Budget estimate, 2018	405,575,000
Committee recommendation	405,575,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$405,575,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
10	Family of Heavy Tactical Vehicles (FHTV)	25,874	25,874	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
12	Hvy Expanded Mobile Tactical Truck Ext Serv	38,628	38,628	.....
14	Modification of In Svc Equip	64,647	64,647	.....
15	Mine-Resistant Ambush-Protected [MRAP] Mods	17,508	17,508	.....
20	Signal Modernization Program	4,900	4,900	.....
43	Tractor Ride	1,000	1,000	.....
64	Installation Info Infrastructure Mod Program	2,500	2,500	.....
70	DCGS-A (MIP)	39,515	39,515	.....
72	Trojan (MIP)	21,310	21,310	.....
73	Mod of In-Svc Equip (Intel Spt) (MIP)	2,300	2,300	.....
74	CI HUMINT Auto Reporting and Coll (CHARCS)	14,460	14,460	.....
77	Biometric Tactical Collection Devices (MIP)	5,180	5,180	.....
82	Family Of Persistent Surveillance Capabilities	16,935	16,935	.....
83	Counterintelligence/Security Countermeasures	18,874	18,874	.....
86	Night Vision Devices	377	377	.....
87	Small Tactical Optical Rifle Mounted MLRF	60	60	.....
89	Indirect Fire Protection Family of Systems	57,500	57,500	.....
95	Mod of In-Svc Equip (LLDR)	3,974	3,974	.....
97	Mortar Fire Control System	2,947	2,947	.....
100	AIR & MSL Defense Planning & Control Sys	9,100	9,100	.....
121	Base Defense Systems [BDS]	3,726	3,726	.....
138	Heaters and ECU'S	270	270	.....
144	Field Feeding Equipment	145	145	.....
145	Cargo Aerial Del & Personnel Parachute System	1,980	1,980	.....
150	Combat Support Medical	25,690	25,690	.....
151	Mobile Maintenance Equipment Systems	1,124	1,124	.....
155	Hydraulic Excavator	3,850	3,850	.....
159	High Mobility Engineer Excavator [HMEE]	1,932	1,932	.....
166	Generators and Associated Equip	569	569	.....
170	Training Devices, Nonsystem	2,700	2,700	.....
175	Integrated Family of Test Equipment [IFTE]	7,500	7,500	.....
178	Rapid Equipping Soldier Support Equipment	8,500	8,500	.....
	Total, Other Procurement, Army	405,575	405,575	.....

AIRCRAFT PROCUREMENT, NAVY

Appropriations, 2017	\$682,187,000
Budget estimate, 2018	157,300,000
Committee recommendation	157,300,000

The Committee recommends an appropriation of \$157,300,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
27	STUASLO UAV	3,900	3,900	.....
34	H-53 Series	950	950	.....
35	SH-60 Series	15,382	15,382	.....
37	EP-3 Series	7,220	7,220	.....
47	Special Project Aircraft	19,855	19,855	.....
51	Common ECM Equipment	75,530	75,530	.....
62	QRC	15,150	15,150	.....
64	Spares and Repair Parts	18,850	18,850	.....
66	Aircraft Industrial Facilities	463	463	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Total, Aircraft Procurement, Navy	157,300	157,300	.....

WEAPONS PROCUREMENT, NAVY

Appropriations, 2017	\$137,600,000
Budget estimate, 2018	152,373,000
Committee recommendation	152,373,000

The Committee recommends an appropriation of \$152,373,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
3	Tomahawk	100,086	100,086	.....
7	Standard Missile	35,208	35,208	.....
11	Hellfire	8,771	8,771	.....
12	Laser Maverick	5,040	5,040	.....
17	ESSM	1,768	1,768	.....
35	Small Arms and Weapons	1,500	1,500	.....
	Total, Weapons Procurement, Navy	152,373	152,373	.....

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

Appropriations, 2017	\$168,480,000
Budget estimate, 2018	236,440,000
Committee recommendation	235,150,000

The Committee recommends an appropriation of \$235,150,000. This is \$1,290,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	General Purpose Bombs	74,021	74,021	.....
2	JDAM	106,941	106,941	.....
3	Airborne Rockets, All Types	1,184	1,184	.....
7	Air Expendable Countermeasures	15,700	15,700	.....
8	JATOS	540	540	.....
12	Other Ship Gun Ammunition	19,689	19,689	.....
13	Small Arms & Landing Party Ammo	1,963	1,963	.....
14	Pyrotechnic and Demolition	765	765	.....
16	Ammunition Less Than \$5 Million	866	866	.....
20	Mortars	1,290	.....	- 1,290
	Insufficient budget justification: Base requirement .....	.....	.....	- 1,290
23	Direct Support Munitions	1,355	1,355	.....
24	Infantry Weapons Ammunition	1,854	1,854	.....
33	Artillery Munitions	10,272	10,272	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Total, Procurement of Ammunition, Navy and Marine Corps	236,440	235,150	-1,290

OTHER PROCUREMENT, NAVY

Appropriations, 2017	\$251,083,000
Budget estimate, 2018	251,559,000
Committee recommendation	239,359,000

The Committee recommends an appropriation of \$239,359,000. This is \$12,200,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
25	Underwater EOD Programs	12,348	12,348	.....
32	Standard Boats	18,000	18,000	.....
46	SSN Acoustic Equipment	43,500	43,500	.....
78	Naval Mission Planning Systems	2,550	2,550	.....
80	Tactical/Mobile C4I Systems	7,900	7,900	.....
81	DCGS-N	6,392	6,392	.....
101	Cryptologic Communications Equip	5,380	5,380	.....
119	Aviation Support Equipment	29,245	29,245	.....
121	Ship Missile Support Equipment	2,436	2,436	.....
126	Explosive Ordnance Disposal Equip	60,370	48,170	-12,200
	Restoring acquisition accountability: JCREW unit cost growth .....	.....	.....	-12,200
132	General Purpose Trucks	496	496	.....
134	Fire Fighting Equipment	2,304	2,304	.....
135	Tactical Vehicles	2,336	2,336	.....
141	Supply Equipment	164	164	.....
143	First Destination Transportation	420	420	.....
147	Command Support Equipment	21,650	21,650	.....
152	Operating Forces Support Equipment	15,800	15,800	.....
154	Environmental Support Equipment	1,000	1,000	.....
155	Physical Security Equipment	15,890	15,890	.....
	Classified Programs	2,200	2,200	.....
161	Spares and Repair Parts	1,178	1,178	.....
	Total, Other Procurement, Navy	251,559	239,359	-12,200

PROCUREMENT, MARINE CORPS

Appropriations, 2017	\$331,219,000
Budget estimate, 2018	65,274,000
Committee recommendation	64,446,000

The Committee recommends an appropriation of \$64,446,000. This is \$828,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
6	High Mobility Artillery Rocket System	5,360	5,360	.....
11	Javelin	2,833	2,569	- 264
	Restoring acquisition accountability: Unit cost growth			- 264
12	Follow On To SMAW	49	49	.....
13	Anti-Armor Weapons System-Heavy [AAWS-H]	5,024	4,460	- 564
	Restoring acquisition accountability: Unit cost growth			- 564
17	Repair and Test Equipment	8,241	8,241	.....
19	Modification Kits	750	750	.....
20	Items Under \$5 Million (Comm & Elec)	200	200	.....
24	RQ-21 UAS	8,400	8,400	.....
26	Fire Support System	50	50	.....
27	Intelligence Support Equipment	3,000	3,000	.....
37	Command Post Systems	5,777	5,777	.....
38	Radio Systems	4,590	4,590	.....
53	EOD Systems	21,000	21,000	.....
	Total, Procurement, Marine Corps	65,274	64,446	- 828

AIRCRAFT PROCUREMENT, AIR FORCE

Appropriations, 2017	\$1,784,069,000
Budget estimate, 2018	740,778,000
Committee recommendation	722,963,000

The Committee recommends an appropriation of \$722,963,000. This is \$17,815,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
17	MQ-9	271,080	271,080	.....
33	C-17A	26,850	20,913	- 5,937
	Restoring acquisition accountability: Installation funding ahead of need			- 5,937
48	C-130J Mods	8,400	5,822	- 2,578
	Restoring acquisition accountability: Installation funding ahead of need			- 2,578
51	Compass Call Mods	56,720	56,720	.....
56	E-8	3,000	3,000	.....
62	HC/MC-130 Modifications	153,080	143,780	- 9,300
	Restoring acquisition accountability: Installation funding ahead of need			- 9,300
63	Other Aircraft	10,381	10,381	.....
65	MQ-9 Mods	56,400	56,400	.....
67	Initial Spares/Repair Parts	129,450	129,450	.....
68	Aircraft Replacement Support Equip	25,417	25,417	.....
	Total, Aircraft Procurement, Air Force	740,778	722,963	- 17,815

MISSILE PROCUREMENT, AIR FORCE

Appropriations, 2017 *	\$318,995,000
Budget estimate, 2018	395,400,000
Committee recommendation	395,400,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$395,400,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
6	Predator Hellfire Missile	294,480	294,480	.....
7	Small Diameter Bomb	90,920	90,920	.....
11	AGM-65D Maverick	10,000	10,000	.....
	Total, Missile Procurement, Air Force	395,400	395,400	.....

SPACE PROCUREMENT, AIR FORCE

Appropriations, 2017	
Budget estimate, 2018	\$2,256,000
Committee recommendation	2,256,000

The Committee recommends an appropriation of \$2,256,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
10	MILSATCOM Terminals	2,256	2,256	.....
	Total, Space Procurement, Air Force	2,256	2,256	.....

PROCUREMENT OF AMMUNITION, AIR FORCE

Appropriations, 2017 *	\$481,229,000
Budget estimate, 2018	501,509,000
Committee recommendation	501,509,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$501,509,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Rockets	49,050	49,050	.....
2	Cartridges	11,384	11,384	.....
6	Joint Direct Attack Munition	390,577	390,577	.....
15	Flares	3,498	3,498	.....
16	Fuzes	47,000	47,000	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Total, Procurement of Ammunition, Air Force	501,509	501,509	.....

OTHER PROCUREMENT, AIR FORCE

Appropriations, 2017	\$4,864,837,000
Budget estimate, 2018	4,008,887,000
Committee recommendation	3,183,490,000

The Committee recommends an appropriation of \$3,183,490,000. This is \$825,397,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Passenger Carrying Vehicles	3,855	3,855	.....
4	Cargo and Utility Vehicles	1,882	1,882	.....
5	Security And Tactical Vehicles	1,100	1,100	.....
6	Special Purpose Vehicles	32,479	32,479	.....
7	Fire Fighting/Crash Rescue Vehicles	22,583	22,583	.....
8	Materials Handling Vehicles	5,353	5,353	.....
9	Runway Snow Removal & Cleaning Equip	11,315	11,315	.....
10	Base Maintenance Support Vehicles	40,451	40,451	.....
13	International Intel Tech & Architectures	8,873	8,873	.....
15	Intelligence Comm Equipment	2,000	2,000	.....
16	Air Traffic Control & Landing Sys	56,500	37,000	- 19,500
	Restoring acquisition accountability: Unit cost growth ....	.....	.....	- 3,000
	Restoring acquisition accountability: D-RAPCON program delay .....	.....	.....	- 16,500
19	Theater Air Control Sys Improvements	4,970	.....	- 4,970
	Improving funds management: Installations ahead of need .....	.....	.....	- 4,970
29	Air Force Physical Security System	3,000	.....	- 3,000
	Insufficient budget justification: Unjustified growth .....	.....	.....	- 3,000
48	Base Comm Infrastructure	55,000	55,000	.....
51	Items Less Than \$5 Million	8,469	8,469	.....
53	Base Procured Equipment	7,500	.....	- 7,500
	Insufficient budget justification: Unjustified growth .....	.....	.....	- 7,500
54	Engineering and EOD Equipment	80,427	40,000	- 40,427
	Improving funds management: JCREW excess to need ....	.....	.....	- 40,427
56	Items Less Than \$5 Million	110,405	110,405	.....
58	DARP RC135	700	700	.....
59	DCGS-AF	9,200	9,200	.....
999	Classified Programs	3,542,825	2,792,825	- 750,000
	Classified adjustment .....	.....	.....	- 750,000
	Total, Other Procurement, Air Force	4,008,887	3,183,490	- 825,397

PROCUREMENT, DEFENSE-WIDE

Appropriations, 2017	\$754,819,000
Budget estimate, 2018	518,026,000
Committee recommendation	537,456,000

The Committee recommends an appropriation of \$537,456,000. This is \$19,430,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
8	Teleport Program	1,979	1,979	.....
18	Defense Information Systems Network	12,000	12,000	.....
26	Other Major Equipment		11,000	+ 11,000
	Transfer: Transfer from Joint Improvised-Threat Defeat Fund OCO for execution			+ 11,000
46	Manned ISR	15,900	15,900	.....
47	MC-12	20,000	20,000	.....
50	Unmanned ISR	38,933	32,533	- 6,400
	Improving funds management: Group 2 pricing adjustment			- 6,400
51	Non-Standard Aviation	9,600	9,600	.....
52	U-28	8,100	22,930	+ 14,830
	Program increase: Combat loss replacement			+ 14,830
53	MH-47 Chinook	10,270	10,270	.....
57	MQ-9 Unmanned Aerial Vehicle	19,780	19,780	.....
61	C-130 Modifications	3,750	3,750	.....
63	Ordnance Items <\$5M	62,643	62,643	.....
64	Intelligence Systems	12,000	12,000	.....
69	Tactical Vehicles	38,527	38,527	.....
70	Warrior Systems <\$5M	20,215	20,215	.....
73	Operational Enhancements Intelligence	7,134	7,134	.....
75	Operational Enhancements	193,542	193,542	.....
999	Classified Programs	43,653	43,653	.....
	Total, Procurement, Defense-Wide	518,026	537,456	+ 19,430

NATIONAL GUARD AND RESERVE EQUIPMENT

Appropriations, 2017	\$750,000,000
Budget estimate, 2018	
Committee recommendation	1,500,000,000

The Committee recommends an appropriation of \$1,500,000,000. This is \$1,500,000 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	2018 budget estimate	Committee recommendation	Change from budget estimate
NATIONAL GUARD AND RESERVE EQUIPMENT			
RESERVE EQUIPMENT:			
ARMY RESERVE:			
Program increase: Miscellaneous equipment		225,000	+ 225,000

[In thousands of dollars]

Item	2018 budget estimate	Committee recommendation	Change from budget estimate
NAVY RESERVE:			
Program increase: Miscellaneous equipment		75,000	+ 75,000
MARINE CORPS RESERVE:			
Program increase: Miscellaneous equipment		75,000	+ 75,000
AIR FORCE RESERVE:			
Program increase: Miscellaneous equipment		225,000	+ 225,000
TOTAL, RESERVE EQUIPMENT		600,000	+ 600,000
NATIONAL GUARD EQUIPMENT:			
ARMY NATIONAL GUARD:			
Program increase: Miscellaneous equipment		450,000	+ 450,000
AIR NATIONAL GUARD:			
Program increase: Miscellaneous equipment		450,000	+ 450,000
TOTAL, NATIONAL GUARD EQUIPMENT		900,000	+ 900,000
TOTAL, NATIONAL GUARD AND RESERVE EQUIPMENT		1,500,000	+ 1,500,000

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: Acoustic Hailing Devices, Advanced Cargo Handling Systems for CH-47, Combat Uniforms and Cold Weather Protective Clothing, Commercial-Off-the-Shelf Simulation Devices, Crashworthy External Fuel Tanks, Digital Radar Warning Receivers for F-16s, Modular Container Systems for Palletized Cargo, Modular Small Arms and Self-Contained Ranges, MQ-9 Deployable Launch & Recovery Element Mission Support Kits, Portable High Frequency Radios and Antennas, Radar Warning Receivers for C-17s, Radiac Sets, Satellite Broadband Upgrades for RC-26, Small Arms Simulation Training Systems, and Sun Shades.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The Committee recommends \$911,487,000 for research, development, test and evaluation.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Appropriations, 2017 *	\$342,356,000
Budget estimate, 2018	119,368,000
Committee recommendation	278,368,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$278,368,000. This is \$159,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
55	Air and Missile Defense Systems Engineering	15,000	15,000	.....
60	Soldier Support and Survivability	3,000	3,000	.....
122	TRACTOR TIRE	5,000	5,000	.....
125	Common Infrared Countermeasures [CIRCM]	21,540	21,540	.....
133	Aircraft Survivability Development	30,100	185,100	+ 155,000
	Program increase: Limited interim missile warning system to detect enemy MANPADS .....	.....	.....	+ 155,000
147	TROJAN—RH12	1,200	1,200	.....
203	Missile/Air Defense Product Improvement Program	15,000	15,000	.....
222	Tactical Unmanned Aerial Vehicles	7,492	7,492	.....
223	Airborne Reconnaissance Systems	15,000	15,000	.....
228	Biometrics Enabled Intelligence	6,036	6,036	.....
xxx	Transfer from Joint Improvised-Threat Defeat Fund OCO for execution .....	.....	4,000	+ 4,000
	Total, Research, Development, Test and Evaluation, Army	119,368	278,368	+ 159,000

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Appropriations, 2017	\$326,537,000
Budget estimate, 2018	167,565,000
Committee recommendation	167,565,000

The Committee recommends an appropriation of \$167,565,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
41	RETRACT LARCH	22,000	22,000	.....
61	Joint Service Explosive Ordnance Development	29,700	29,700	.....
75	Land Attack Technology	2,100	2,100	.....
81	Tactical Air Directional Infrared Countermeasures [TADIRCM] ..	5,710	5,710	.....
103	Warfare Support System	5,400	5,400	.....
207	Integrated Surveillance System	11,600	11,600	.....
211	Cryptologic Direct Support	1,200	1,200	.....
999	Classified Programs	89,855	89,855	.....
	Total, Research, Development, Test and Evaluation, Navy	167,565	167,565	.....

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Appropriations, 2017	\$365,205,000
Budget estimate, 2018	135,358,000
Committee recommendation	135,358,000

The Committee recommends an appropriation of \$135,358,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
29	Space Control Technology	7,800	.....	- 7,800
	Transfer to line 62 .....	.....	.....	- 7,800
53	Cyber Operations Technology Development	5,400	5,400	.....
62	Space Control Technology .....	.....	7,800	+ 7,800
	Transfer from line 29 .....	.....	.....	+ 7,800
196	ISR Innovations	5,750	5,750	.....
214	AF Offensive Cyberspace Operations	4,000	4,000	.....
999	Classified Programs	112,408	112,408	.....
	Total, Research Development, Test and Evaluation, Air Force	135,358	135,358	.....

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Appropriations, 2017 *	\$442,104,000
Budget estimate, 2018	226,096,000
Committee recommendation	330,196,000

* Includes amounts appropriated in Public Law 114-254.

The Committee recommends an appropriation of \$330,196,000. This is \$104,100,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
24	Combating Terrorism Technology Support	25,000	25,000	.....
253	Operational Enhancements	1,920	1,920	.....
256	Unmanned ISR	3,000	3,000	.....
999	Classified Programs	196,176	196,176	.....
xx	Joint Improvised—Threat Defeat Organization .....	.....	104,100	+ 104,100
	Transfer from Joint Improvised-Threat Defeat Fund base for execution .....	.....	.....	+ 7,000
	Transfer from Joint Improvised-Threat Defeat Fund OCO for execution .....	.....	.....	+ 92,100
	Program increase: Airborne detection .....	.....	.....	+ 5,000
	Total, Research, Development, Test and Evaluation, Defense-Wide	226,096	330,196	+ 104,100

Joint Improvised-Threat Defeat Organization: Operational Airborne Hyperspectral Improvised Explosive Device Detection System.—The Committee understands the need for new and emerging stand-off hyperspectral imaging [HIS] technologies for the detection of improvised explosive devices [IEDs] and for the detection of the constituent chemicals and other materials used in the manufacture of IEDs such as nitrates, nitrites, phosphates and ammonia. The Committee recommends an additional \$5,000,000 for HIS sensor technology development and deployment.

REVOLVING AND MANAGEMENT FUNDS

DEFENSE WORKING CAPITAL FUNDS

Appropriations, 2017	\$426,314,000
Budget estimate, 2018	148,956,000
Committee recommendation	148,956,000

The Committee recommends an appropriation of \$148,956,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	Supply Management	50,111	50,111	.....
	Total, Defense Working Capital Fund, Army	50,111	50,111	.....
	Energy Management	70,000	70,000	.....
	Supply Chain Management	28,845	28,845	.....
	Total, Defense Working Capital Fund, Defense-Wide (DLA)	98,845	98,845	.....
	Grand Total, Defense Working Capital Funds	148,956	148,956	.....

OTHER DEPARTMENT OF DEFENSE PROGRAMS

DEFENSE HEALTH PROGRAM

Appropriations, 2017	\$331,764,000
Budget estimate, 2018	395,805,000
Committee recommendation	395,805,000

The Committee recommends an appropriation of \$395,805,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
	Operation and Maintenance .....	.....	.....	.....
	In-House Care	61,857	61,857	.....
	Private Sector Care	331,968	331,968	.....
	Consolidated Health Care	1,980	1,980	.....
	Total, Defense Health Program	395,805	395,805	.....

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

Appropriations, 2017	\$215,333,000
Budget estimate, 2018	196,300,000
Committee recommendation	196,300,000

The Committee recommends an appropriation of \$196,300,000. This is equal to the budget estimate.

JOINT IMPROVISED-THREAT DEFEAT FUND

Appropriations, 2017	\$427,272,000
Budget estimate, 2018	483,058,000
Committee recommendation	

The Committee recommends no funding for the Joint Improvised-Threat Defeat Fund [JITDF]. Appropriations requested for the Joint Improvised-Threat Defeat Organization in the JITDF are recommended in overseas contingency operations appropriations accounts for Operation and Maintenance, Defense-Wide; Procurement, Defense-Wide; and Research, Development, Test and Evaluation, Defense-Wide, as detailed in the associated Committee Recommended Program tables, and in the classified annex to the Committee’s report.

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	2018 budget estimate	Committee recommendation	Change from budget estimate
1	Enable Rapid Capability Delivery	197,458	.....	.....
2	Assist Situational Understanding	270,950	.....	.....
3	Enable DoD Responsiveness	14,650	.....	.....
UNDIST	Transfer to RDDW, OCO for execution .....	.....	.....	- 92,100
UNDIST	Transfer to OMDW, OCO for execution .....	.....	.....	- 310,758
UNDIST	Transfer to PDW, OCO for execution .....	.....	.....	- 11,000
UNDIST	Transfer to RDA, OCO for execution .....	.....	.....	- 4,000
UNDIST	Unjustified mission growth .....	.....	.....	- 30,500
UNDIST	Excess growth .....	.....	.....	- 34,700
	Total, Joint Improvised-Threat Defeat Fund	483,058	.....	- 483,058

OFFICE OF THE INSPECTOR GENERAL

Appropriations, 2017	\$22,062,000
Budget estimate, 2018	24,692,000
Committee recommendation	24,692,000

The Committee recommends an appropriation of \$24,692,000. This is equal to the budget estimate.

GENERAL PROVISIONS—THIS TITLE

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. 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 a provision carried in previous years.

SEC. 9004. *Vehicle Procurement.*—Retains a provision carried in previous years.

SEC. 9005. *Commanders' Emergency Response Program.*—Retains a provision carried in previous years.

SEC. 9006. *Coalition Lift and Sustainment.*—Retains 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. *C-130 Cargo Aircraft Transfers.*—Retains a provision carried in previous years.

SEC. 9013. *Rescissions.*—The Committee recommends a general provision rescinding funds from prior years as displayed below:

	Amount
2016 Appropriations	
Other Procurement, Air Force:	
Classified	\$24,300,000
2017 Appropriations	
Operation and Maintenance, Defense-wide:	
Coalition Support Fund	400,000,000
DSCA Security Cooperation	250,000,000
Counter-ISIL Train and Equip Fund	61,700,000
No-Year Appropriations	
Counter-ISIL Overseas Contingency Operations Transfer Fund	1,610,000,000

SEC. 9014. *Joint Improvised Explosives Devices Defeat Fund.*—Inserts a new provision terminating the Joint Improvised Explosives Devices Defeat Fund.

SEC. 9015. *Joint Improvised-Threat Defeat Fund.*—Inserts a new provision terminating the Joint Improvised-Threat Defeat Fund.

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.

TITLE X
MISSILE DEFEAT AND DEFENSE ENHANCEMENTS

DEPARTMENT OF DEFENSE—MILITARY

The Committee recommends \$4,485,844,000 in emergency appropriations for Missile Defeat and Defense Enhancements. This includes \$3,812,344,000 to support additional efforts to detect, defeat, and defend against North Korean use of ballistic missiles against the United States, its deployed forces, allies, or partners. It also includes \$673,500,000 to repair damage to and restore the operational readiness of the USS *John S. McCain* and USS *Fitzgerald*.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the Committee recommendation:

[In thousands of dollars]

	Fiscal year 2017 enacted	Fiscal year 2018 estimate	Committee recommendation
Operation and Maintenance	715,985	715,985
Procurement	2,423,195	2,423,195
Research, development, test and evaluation	1,346,664	1,346,664
Total, Missile Defeat and Defense Enhancements	4,485,844	4,485,844

OPERATION AND MAINTENANCE

OPERATION AND MAINTENANCE, NAVY

Appropriations, 2017 .....	.....
Budget estimate, 2018	\$673,500,000
Committee recommendation	673,500,000

The Committee recommends an appropriation of \$673,500,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
1B4B	Ship Depot Maintenance	673,500	673,500	.....
	Total, Operation and Maintenance, Navy	673,500	673,500	.....

OPERATION AND MAINTENANCE, AIR FORCE

Appropriations, 2017	
Budget estimate, 2018	\$18,750,000
Committee recommendation	18,750,000

The Committee recommends an appropriation of \$18,750,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
999	Classified Programs	18,750	18,750	.....
	Total, Operation and Maintenance, Air Force	18,750	18,750	.....

OPERATION AND MAINTENANCE, DEFENSE-WIDE

Appropriations, 2017	
Budget estimate, 2018	\$23,735,000
Committee recommendation	23,735,000

The Committee recommends an appropriation of \$23,735,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
999	Classified Programs	23,735	23,735	.....
	Total, Operation and Maintenance, Defense-Wide	23,735	23,735	.....

PROCUREMENT

MISSILE PROCUREMENT, ARMY

Appropriations, 2017	
Budget estimate, 2018	\$884,000,000
Committee recommendation	884,000,000

The Committee recommends an appropriation of \$884,000,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
2	MSE Missiles	647,000	647,000	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
14	Patriot Mods	167,000	167,000	.....
15	ATACMS MODS	70,000	70,000	.....
	Total, Missile Procurement, Army	884,000	884,000	.....

MISSILE PROCUREMENT, AIR FORCE

Appropriations, 2017 .....	.....
Budget estimate, 2018	\$12,000,000
Committee recommendation	12,000,000

The Committee recommends an appropriation of \$12,000,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
18	Special Update Programs	12,000	12,000	.....
	Total, Missile Procurement, Air Force	12,000	12,000	.....

OTHER PROCUREMENT, AIR FORCE

Appropriations, 2017 .....	.....
Budget estimate, 2018	\$288,055,000
Committee recommendation	288,055,000

The Committee recommends an appropriation of \$288,055,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
61	Special Update Program	41,000	41,000	.....
999	Classified Programs	247,055	247,055	.....
	Total, Other Procurement, Air Force	288,055	288,055	.....

PROCUREMENT, DEFENSE-WIDE

Appropriations, 2017 .....	.....
Budget estimate, 2018	\$1,239,140,000
Committee recommendation	1,239,140,000

The Committee recommends an appropriation of \$1,239,140,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
27	THAAD: 50 Interceptors	509,140	509,140	.....
28	Aegis BMD: 16 SM-3 Block IIA interceptors	451,000	451,000	.....
30	BMDS AN/TPY-2 Radars: COBRA DANE upgrades	11,000	11,000	.....
XXX	Ground Based Midcourse: Missile Field #4	180,000	180,000	.....
XXX	Ground Based Midcourse (AP)	88,000	88,000	.....
	Advance Procurement for 10 GBIs with RKVs	[56,000]	[56,000]	.....
	Advance Procurement for Missile Field #4 silos	[32,000]	[32,000]	.....
	Total, Procurement, Defense-Wide	1,239,140	1,239,140	.....

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Appropriations, 2017 .....	.....
Budget estimate, 2018	\$20,700,000
Committee recommendation	20,700,000

The Committee recommends an appropriation of \$20,700,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
36	TRACTOR HIKE	12,000	12,000	.....
55	Air and Missile Defense Systems Engineering	8,700	8,700	.....
	Total, Research, Development, Test and Evaluation, Army	20,700	20,700	.....

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Appropriations, 2017 .....	.....
Budget estimate, 2018	\$60,000,000
Committee recommendation	60,000,000

The Committee recommends an appropriation of \$60,000,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Appropriations, 2017	
Budget estimate, 2018	\$255,744,000
Committee recommendation	255,744,000

The Committee recommends an appropriation of \$255,744,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
53	Cyber Operations Technology Development	90,500	90,500	.....
999	Classified Programs	165,244	165,244	.....
	Total, Research Development, Test and Evaluation, Air Force	255,744	255,744	.....

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Appropriations, 2017	
Budget estimate, 2018	\$1,010,220,000
Committee recommendation	1,010,220,000

The Committee recommends an appropriation of \$1,010,220,000. 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	2018 budget estimate	Committee recommendation	Change from budget estimate
42	Technology Innovation (J-39)	5,000	5,000	.....
74	Ballistic Missile Defense Terminal Defense Segment: THAAD/Patriot JEON	62,100	62,100	.....
75	Ballistic Missile Defense Midcourse Defense Segment	129,000	129,000	.....
	NRE in advance of procurement to increase GBIs from 44 to 64	[78,000]	[78,000]	.....
	NRE to add 20 new silos at Missile Field #4	[51,000]	[51,000]	.....
77	Ballistic Missile Defense Sensors	30,800	30,800	.....
	Studies and evaluations in support of a medium range discrimination radar	[5,000]	[5,000]	.....
	Advanced discrimination efforts	[3,000]	[3,000]	.....
	Extend the lifespan of COBRA DANE	[5,000]	[5,000]	.....
	THAAD/Patriot JEON	[17,800]	[17,800]	.....
78	BMD Enabling Programs: THAAD/Patriot JEON	16,200	16,200	.....
79	Special Programs—MDA	45,000	45,000	.....
80	AEGIS BMD	8,736	8,736	.....
	Aegis SM-3 Block IIA missile test	[4,736]	[4,736]	.....
	THAAD/Patriot JEON	[4,000]	[4,000]	.....
83	Ballistic Missile Defense Command and Control, Battle Management and Communication	24,747	24,747	.....
	Advanced discrimination efforts	[6,000]	[6,000]	.....
	Mobile sensor integration	[10,000]	[10,000]	.....
87	Sea Based X-Band Radar [SBX]	15,000	15,000	.....
89	Ballistic Missile Defense Test	10,402	10,402	.....
	THAAD/Patriot JEON	[9,500]	[9,500]	.....

[In thousands of dollars]

Line	Item	2018 budget estimate	Committee recommendation	Change from budget estimate
	Aegis SM-3 Block IIA missile test	[902]	[902]	.....
90	Ballistic Missile Defense Targets	49,700	49,700	.....
	Additional RKV test asset	[6,100]	[6,100]	.....
	Aegis SM-3 Block IIA missile test	[33,700]	[33,700]	.....
	THAAD/Patriot JEON	[9,900]	[9,900]	.....
95	Missile Defeat Project	26,400	26,400	.....
97	Advanced Innovative Technologies (SCO)	306,700	306,700	.....
106	Improved Homeland Defense Interceptors	170,900	170,900	.....
108	Aegis BMD Test: Aegis SM-3 Block IIA missile test	3,315	3,315	.....
109	Ballistic Missile Defense Sensor Test: Aegis SM-3 Block IIA missile test	17,600	17,600	.....
117	Ballistic Missile Defense System Space Programs	14,000	14,000	.....
151	General Support to USD (Intelligence)	30,000	30,000	.....
999	Classified Programs	44,620	44,620	.....
	Total, Research, Development, Test and Evaluation, Defense-Wide	1,010,220	1,010,220	.....

GENERAL PROVISIONS—THIS TITLE

SEC. 10001. *Funds in Addition to Base.*—Includes a provision stating funds available in this title are in addition to amounts appropriated or otherwise made available for the Department of Defense in fiscal year 2018.

COMPLIANCE WITH PARAGRAPH 7(c), RULE XXVI OF THE
STANDING RULES OF THE SENATE

Pursuant to paragraph 7(c) of rule XXVI, on _____, 2017, the Committee ordered favorably reported an original bill (S. 0000) making appropriations for the Department of Defense for the fiscal year ending September 30, 2018, and for other purposes, provided, that the bill be subject to amendment and that the bill be consistent with the subcommittee funding guidance, 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 00–00, a quorum being present. The vote was as follows:

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.

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2017 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL
FOR FISCAL YEAR 2018
(In thousands of dollars)

Item	2017 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2017 appropriation	Budget estimate
TITLE I					
MILITARY PERSONNEL					
Military personnel, Army	40,042,962	41,533,674	41,919,855	+ 1,876,893	+ 386,181
Military personnel, Navy	27,889,405	28,917,918	28,756,535	+ 867,130	- 161,383
Military personnel, Marine Corps	12,735,182	13,278,714	13,226,114	+ 490,932	- 52,600
Military personnel, Air Force	27,958,795	28,962,740	28,807,440	+ 848,645	- 155,300
Reserve personnel, Army	4,524,863	4,804,628	4,720,608	+ 195,745	- 84,020
Reserve personnel, Navy	1,921,045	2,000,362	1,984,672	+ 63,627	- 15,690
Reserve personnel, Marine Corps	744,795	766,703	767,903	+ 23,108	+ 1,200
Reserve personnel, Air Force	1,725,526	1,824,334	1,802,554	+ 77,028	- 21,780
National Guard personnel, Army	7,899,423	8,379,376	8,240,036	+ 340,613	- 139,340
National Guard personnel, Air Force	3,283,982	3,413,187	3,406,867	+ 122,885	- 6,320
Total, Title I, Military Personnel	128,725,978	133,881,636	133,632,584	+ 4,906,606	- 249,052
TITLE II					
OPERATION AND MAINTENANCE					
Operation and maintenance, Army	32,738,173	38,945,417	39,780,856	+ 7,042,683	+ 835,439
Operation and maintenance, Navy	38,552,017	45,439,407	46,309,702	+ 7,757,685	+ 870,295
Operation and maintenance, Marine Corps	5,676,152	6,933,408	6,841,008	+ 1,164,856	- 92,400
Operation and maintenance, Air Force	36,247,724	39,429,232	40,751,433	+ 4,503,709	+ 1,322,201
Operation and maintenance, Defense-Wide	32,373,949	34,585,817	34,010,337	+ 1,636,388	- 575,480
Operation and maintenance, Army Reserve	2,743,688	2,906,842	2,902,504	+ 158,816	- 4,338
Operation and maintenance, Navy Reserve	929,656	1,084,007	1,062,707	+ 133,051	- 21,300
Operation and maintenance, Marine Corps Reserve	271,133	278,837	279,914	+ 8,781	+ 1,077
Operation and maintenance, Air Force Reserve	3,069,229	3,267,507	3,221,407	+ 158,178	- 40,100
Operation and maintenance, Army National Guard	6,861,478	7,307,170	7,500,220	+ 638,742	+ 193,050
Operation and maintenance, Air National Guard	6,615,095	6,939,968	7,090,368	+ 475,273	+ 150,400

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2017 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL
FOR FISCAL YEAR 2018—Continued
[In thousands of dollars]

Item	2017 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2017 appropriation	Budget estimate
United States Court of Appeals for the Armed Forces	14,194	14,538	14,538	+ 344	.....
Environmental restoration, Army	170,167	215,809	215,809	+ 45,642	.....
Environmental restoration, Navy	289,262	281,415	323,649	+ 34,387	+ 42,234
Environmental restoration, Air Force	371,521	293,749	337,549	- 33,972	+ 43,800
Environmental restoration, Defense-Wide	9,009	9,002	9,002	- 7	.....
Environmental restoration, Formerly Used Defense Sites	222,084	208,673	215,673	- 6,411	+ 7,000
Overseas humanitarian, disaster, and civic aid	123,125	104,900	119,900	- 3,225	+ 15,000
Cooperative Threat Reduction Account	325,604	324,600	324,600	- 1,004	.....
Operation and maintenance, National Defense Restoration Fund .....	.....	.....	.....	.....	.....
DOD acquisition workforce development fund .....	.....	.....	600,000	+ 600,000	+ 600,000
Total, Title II, Operation and maintenance	167,603,260	188,570,298	191,917,176	+ 24,313,916	+ 3,346,878
TITLE III					
PROCUREMENT					
Aircraft procurement, Army	4,587,598	4,149,894	5,085,303	+ 497,705	+ 935,409
Missile procurement, Army	1,533,804	2,519,054	2,846,053	+ 1,312,249	+ 326,999
Procurement of weapons and tracked combat vehicles, Army	2,229,455	2,423,608	3,439,391	+ 1,209,936	+ 1,015,783
Procurement of ammunition, Army	1,483,566	1,879,283	2,403,384	+ 919,818	+ 524,101
Other procurement, Army	6,147,328	6,469,331	7,814,263	+ 1,666,935	+ 1,344,932
Aircraft procurement, Navy	16,135,335	14,956,235	18,416,079	+ 2,280,744	+ 3,459,844
Weapons procurement, Navy	3,265,285	3,420,107	3,393,458	+ 128,173	- 26,649
Procurement of ammunition, Navy and Marine Corps	633,678	792,345	817,495	+ 183,817	+ 25,150
Shipbuilding and conversion, Navy	21,156,886	20,403,607	21,816,923	+ 660,037	+ 1,413,316
Other procurement, Navy	6,308,919	7,902,864	8,115,384	+ 1,806,465	+ 212,520
Procurement, Marine Corps	1,307,456	2,064,825	2,093,749	+ 786,293	+ 28,924
Aircraft procurement, Air Force	14,253,623	15,430,849	16,189,022	+ 1,935,399	+ 758,173
Missile procurement, Air Force	2,348,121	2,296,182	2,238,828	- 109,293	- 57,354
Space procurement, Air Force	2,733,243	3,370,775	3,095,995	+ 362,752	- 274,780

Procurement of ammunition, Air Force	1,589,219	1,376,602	1,318,602	-270,617	-58,000
Other procurement, Air Force	17,768,224	19,603,497	20,334,550	+2,566,326	+731,053
Procurement, Defense-Wide	4,881,022	4,835,418	4,866,966	-14,056	+31,548
Defense Production Act purchases	64,065	37,401	37,401	-26,664	.....
Procurement, National Defense Restoration Fund .....	.....	.....	.....	.....	.....
Total, Title III, Procurement	108,426,827	113,931,877	124,322,846	+15,896,019	+10,390,969
TITLE IV					
RESEARCH, DEVELOPMENT, TEST AND EVALUATION					
Research, development, test and evaluation, Army	8,332,965	9,425,440	9,860,343	+1,527,378	+434,903
Research, development, test and evaluation, Navy	17,214,530	17,650,035	17,628,000	+413,470	-22,035
Research, development, test and evaluation, Air Force	27,788,548	34,914,359	36,587,419	+8,798,871	+1,673,060
Research, development, test and evaluation, Defense-Wide	18,778,550	20,490,902	21,680,660	+2,902,110	+1,189,758
Operational test and evaluation, Defense	186,994	210,900	210,900	+23,906	.....
Research, development, test and evaluation, National Defense Restoration Fund .....	.....	.....	.....	.....	.....
Total, Title IV, Research, development, test and evaluation	72,301,587	82,691,636	85,967,322	+13,665,735	+3,275,686
TITLE V					
REVOLVING AND MANAGEMENT FUNDS					
Defense Working Capital Funds	1,511,613	1,586,596	1,706,596	+194,983	+120,000
National Defense Sealift Fund .....	.....	509,327	.....	.....	-509,327
Total, Title V, Revolving and Management Funds	1,511,613	2,095,923	1,706,596	+194,983	-389,327
TITLE VI					
OTHER DEPARTMENT OF DEFENSE PROGRAMS					
Defense Health Program Operation and maintenance	31,277,002	32,095,923	31,666,850	+389,848	-429,073
Procurement	402,161	895,328	867,002	+464,841	-28,326
Research, development, test and evaluation	2,102,107	673,215	1,584,715	-517,392	+911,500
Total, Defense Health Program 1	33,781,270	33,664,466	34,118,567	+337,297	+454,101
Chemical agents and munitions destruction, Defense:					
Operation and maintenance	119,985	104,237	104,237	-15,748	.....

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2017 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL
FOR FISCAL YEAR 2018—Continued
(In thousands of dollars)

Item	2017 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2017 appropriation	Budget estimate
Procurement	15,132	18,081	18,081	+2,949	.....
Research, development, test and evaluation	388,609	839,414	839,414	+450,805	.....
Total, Chemical Agents ²	523,726	961,732	961,732	+438,006	.....
Drug interdiction and counter-drug activities, Defense ¹	998,800	790,814	930,814	-67,986	+140,000
Joint Improvised-Threat Defeat Fund .....	.....	14,442	.....	.....	-14,442
Joint Urgent Operational Needs Fund .....	.....	99,795	.....	.....	-99,795
Office of the Inspector General ¹	312,035	336,887	318,887	+6,852	-18,000
Total, Title VI, Other Department of Defense Programs	35,615,831	35,868,136	36,330,000	+714,169	+461,864
TITLE VII					
RELATED AGENCIES					
Central Intelligence Agency Retirement and Disability System Fund	514,000	514,000	514,000	.....	.....
Intelligence Community Management Account (ICMA)	515,596	532,000	543,000	+27,404	+11,000
Total, Title VII, Related agencies	1,029,596	1,046,000	1,057,000	+27,404	+11,000
TITLE VIII					
GENERAL PROVISIONS					
Additional transfer authority (Sec.8005)	(4,500,000)	(5,000,000)	(4,000,000)	(-500,000)	(-1,000,000)
FFRDC (Sec.8023)	-60,000	.....	-116,000	-56,000	-116,000
Rescissions (Sec.8040)	-2,002,622	.....	-855,531	+1,147,091	-855,531
National grants (Sec.8047)	44,000	.....	20,000	-24,000	+20,000
Shipbuilding and conversion, Navy Judgment Fund .....	.....	5,000	.....	.....	-5,000
O&M, Defense-wide transfer authority (Sec.8051)	(30,000)	(30,000)	(30,000)	.....	.....
John C. Stennis Center for Public Service Development Trust Fund (O&M, Navy transfer authority) (Sec. 8058)	(1,000)	.....	.....	(-1,000)	.....

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2017 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL
FOR FISCAL YEAR 2018—Continued
(In thousands of dollars)

Item	2017 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2017 appropriation	Budget estimate
Operation & maintenance, Army Reserve [OCO]	38,679	24,699	24,699	-13,980	
Operation & maintenance, Navy Reserve [OCO]	26,265	23,980	23,980	-2,285	
Operation & maintenance, Marine Corps Reserve [OCO]	3,304	3,367	3,367	+63	
Operation & maintenance, Air Force Reserve [OCO]	57,586	58,523	53,523	-4,063	-5,000
Operation & maintenance, Army National Guard [OCO]	127,035	108,111	108,111	-18,924	
Operation & maintenance, Air National Guard [OCO]	20,000	15,400	15,400	-4,600	
Operation & maintenance, National Defense Restoration Fund [OCO]					
Subtotal, Operation and Maintenance	42,493,792	42,385,176	41,890,184	-603,608	-494,992
Afghanistan Security Forces Fund [OCO]	4,262,715	4,937,515	4,178,815	-83,900	-758,700
Counter-SIS Train and Equip Fund [OCO]	980,000	1,769,000	1,769,000	+789,000	
Total, Operation and Maintenance [OCO]	47,736,507	49,091,691	47,837,999	+101,492	-1,253,692
Procurement					
Aircraft procurement, Army [OCO]	313,171	424,686	420,086	+106,915	-4,600
Missile procurement, Army [OCO]	405,317	559,283	559,283	+153,966	
Procurement of weapons and tracked combat vehicles, Army [OCO]	395,944	1,191,139	1,191,139	+795,195	
Procurement of ammunition, Army [OCO]	290,670	193,436	191,836	-98,834	-1,600
Other procurement, Army [OCO]	1,343,010	405,575	405,575	-937,435	
Aircraft procurement, Navy [OCO]	367,930	157,300	157,300	-210,630	
Weapons procurement, Navy [OCO]	8,600	152,373	152,373	+143,773	
Procurement of ammunition, Navy and Marine Corps [OCO]	65,380	236,440	235,150	+169,770	-1,290
Other procurement, Navy [OCO]	99,786	251,559	239,359	+139,573	-12,200
Procurement, Marine Corps [OCO]	118,939	65,274	64,446	-54,493	-828
Aircraft procurement, Air Force [OCO]	927,249	740,778	722,963	-204,286	-17,815
Missile procurement, Air Force [OCO]	235,095	395,400	395,400	+160,305	
Space procurement, Air Force [OCO]		2,256	2,256	+2,256	
Procurement of ammunition, Air Force [OCO]	273,345	501,509	501,509	+228,164	

Other procurement, Air Force [OCO]	3,529,456	4,008,887	3,183,490	-345,966	-825,397
Procurement, Defense-Wide [OCO]	244,184	518,026	537,456	+293,272	+19,430
National Guard and Reserve equipment [OCO]	750,000		1,500,000	+750,000	+1,500,000
Procurement, National Defense Restoration Fund [OCO]					
Total, Procurement [OCO]	9,368,076	9,803,921	10,459,621	+1,091,545	+655,700
Research, Development, Test and Evaluation					
Research, development, test & evaluation, Army [OCO]	100,522	119,368	278,368	+177,846	+159,000
Research, development, test & evaluation, Navy [OCO]	78,323	167,565	167,565	+89,242	
Research, development, test & evaluation, Air Force [OCO]	67,905	135,358	135,358	+67,453	
Research, development, test & evaluation, Defense-Wide [OCO]	159,919	226,096	330,196	+170,277	+104,100
Research, development, test & evaluation, National Defense Restoration Fund [OCO]					
Total, Research, Development, Test & Evaluation [OCO]	406,669	648,387	911,487	+504,818	+263,100
Revolving and Management Funds					
Defense Working Capital Funds [OCO]	140,633	148,956	148,956	+8,323	
Other Department of Defense Programs					
Defense Health Program:					
Operation & maintenance [OCO]	331,764	395,805	395,805	+64,041	
Drug interdiction and counter-drug activities, Defense [OCO]	215,333	196,300	196,300	-19,033	
Joint Improvised-Threat Defeat Fund [OCO]	339,472	483,058		-339,472	-483,058
Office of the Inspector General [OCO]	22,062	24,692	24,692	+2,630	
Total, Other Department of Defense Programs [OCO]	908,631	1,099,855	616,797	-291,834	-483,058
General Provisions					
Additional transfer authority [OCO](Sec.9002)	(2,500,000)	(4,500,000)	(2,000,000)	(-500,000)	(-2,500,000)
Ukraine Security Assistance Initiative [OCO]	150,000			-150,000	
Intelligence, surveillance, and reconnaissance [OCO]	500,000			-500,000	
Rescissions [OCO] (Sec.9013)	-819,000		-2,346,000	-1,527,000	-2,346,000
Coalition support funds (rescission) [OCO]	-11,524			+11,524	
Operations and maintenance readiness funds [OCO](Sec. 9016)			3,000,000	+3,000,000	+3,000,000
Total, General Provisions	-180,524		654,000	+834,524	+654,000

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2017 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL
 FOR FISCAL YEAR 2018—Continued
 [In thousands of dollars]

Item	2017 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2017 appropriation	Budget estimate
Total, Title IX [000]	61,822,000	65,118,982	64,955,032	+ 3,133,032	- 163,950
TITLE X					
MISSILE DEFENSE AND DEFEAT ENHANCEMENTS					
Operation and Maintenance					
Operation and maintenance, Navy (emergency)	673,500	673,500	+ 673,500	.....
Operation and maintenance, Air Force (emergency)	18,750	18,750	+ 18,750	.....
Operation and maintenance, Defense-Wide (emergency)	23,735	23,735	+ 23,735	.....
Total, Operation and maintenance	715,985	715,985	+ 715,985	.....
Procurement					
Missile procurement, Army (emergency)	884,000	884,000	+ 884,000	.....
Missile procurement, Air Force (emergency)	12,000	12,000	+ 12,000	.....
Other procurement, Air Force (emergency)	288,055	288,055	+ 288,055	.....
Procurement, Defense-Wide (emergency)	1,239,140	1,239,140	+ 1,239,140	.....
Total, Procurement	2,423,195	2,423,195	+ 2,423,195	.....
Research and Development					
Research, development, test and evaluation, Army (emergency)	20,700	20,700	+ 20,700	.....
Research, development, test and evaluation, Navy (emergency)	60,000	60,000	+ 60,000	.....
Research, development, test and evaluation, Air Force (emergency)	255,744	255,744	+ 255,744	.....
Research, development, test and evaluation, Defense-Wide (emergency)	1,010,220	1,010,220	+ 1,010,220	.....
Total, Research and Development	1,346,664	1,346,664	+ 1,346,664	.....

Total, Title X	4,485,844	4,485,844	4,485,844	+ 4,485,844
OTHER APPROPRIATIONS				
SECURITY ASSISTANCE APPROPRIATIONS ACT, 2017				
Military personnel [OCO]	265,118			-265,118
Operation and maintenance [OCO]	4,615,935			-4,615,935
Procurement [OCO]	724,447			-724,447
Research, development, test, and evaluation [OCO]	81,700			-81,700
Other Department of Defense Programs [OCO]	87,800			-87,800
Total, Fiscal Year 2017 Security Assistance (PL 114-254)	5,775,000			-5,775,000
Total, Other Appropriations	5,775,000			-5,775,000
Grand Total, Bill	577,228,000	643,722,869	643,722,869	+ 15,903,637
Appropriations	(513,555,692)	(575,137,524)	(575,137,524)	(+ 61,581,832)
Emergency appropriations		(4,485,844)	(4,485,844)	(+ 4,485,844)
Overseas Contingency Operations [OCO]	(68,427,524)	(67,301,032)	(67,301,032)	(- 1,126,492)
Rescissions	(- 3,924,692)	(- 855,531)	(- 855,531)	(- 855,531)
Rescissions [OCO]	(- 830,524)	(- 2,346,000)	(- 2,346,000)	(- 2,346,000)
(Transfer Authority) [OCO]	2,500,000	2,000,000	2,000,000	- 500,000

¹ [Footnote to Come.]
² [Footnote to Come.]