[COMMITTEE PRINT]

115TH CONGRESS, 2d Session | HOUSE OF REPRESENTATIVES | REPORT 115–

DEPARTMENT OF DEFENSE APPROPRIATIONS BILL, 2019

_____ , 2018.—Committed to the Committee of the Whole House on the State of the Union and ordered to be printed

Ms. GRANGER of Texas, from the Committee on Appropriations, submitted the following

R E P O R T

[To accompany H.R.]

The Committee on Appropriations submits the following report in explanation of the accompanying bill making appropriations for the Department of Defense, and for other purposes, for the fiscal year ending September 30, 2019.

BILL TOTALS

Appropriations for most military functions of the Department of Defense are provided for in the accompanying bill for fiscal year 2019. This bill does not provide appropriations for military construction, military family housing, civil defense, and military nuclear warheads, for which requirements are considered in connection with other appropriations Acts.

The President's fiscal year 2019 budget request for activities funded in the Department of Defense Appropriations Act totals $675,473,023,000 in new budget obligational authority.

28–040

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
RECAPITULATION					
Title I - Military Personnel	133,367,397	140,689,301	139,308,351	+5,940,954	-1,380,950
Title II - Operation and Maintenance	188,245,583	199,469,636	197,551,742	+9,306,159	-1,917,894
Title III - Procurement	133,868,632	130,564,621	133,040,027	-828,605	+2,475,406
Title IV - Research, Development, Test and Evaluation	88,308,133	91,056,950	91,218,284	+2,910,151	+161,334
Title V - Revolving and Management Funds	1,685,596	1,542,115	1,542,115	-143,481	---
Title VI - Other Department of Defense Programs	36,646,600	35,839,806	36,224,921	-421,679	+385,115
Title VII - Related Agencies	1,051,600	1,053,124	1,026,424	-25,176	-26,700
Title VIII - General Provisions (net)	-899,022	115,800	-462,954	+436,068	-578,754
Title IX - Global War on Terrorism (GWOT)	65,166,000	68,078,580	68,079,000	+2,913,000	+420
Total, Department of Defense	647,440,519	668,409,933	667,527,910	+20,087,391	-882,023
Other appropriations	4,920,089	---	---	-4,920,089	---
Scorekeeping adjustments	2,770,911	7,577,090	7,577,090	+4,806,179	---
Total mandatory and discretionary	655,131,519	675,987,023	675,105,000	+19,973,481	-882,023

COMMITTEE BUDGET REVIEW PROCESS

During its review of the fiscal year 2019 budget request and execution of appropriations for fiscal year 2018, the Subcommittee on Defense held a total of seven hearings and five formal briefings during the period of February 2018 to May 2018. Hearings were held in open session, except when the security classification of the material to be discussed presented no alternative but to conduct those hearings in executive or closed session.

INTRODUCTION

The Committee recommendation for total fiscal year 2019 Department of Defense funding is $674,591,000,000, which is an increase of $19,973,481,000 above the fiscal year 2018 enacted level and a decrease of $882,023,000 below the budget request. The recommendation includes $606,512,000,000 in base funding and $68,079,000,000 for overseas contingency operations/global war on terrorism funding in title IX.

The Committee recommendation is constructed to assist the Department with its strategy driven approach to achieve a more lethal, resilient, and rapidly innovative Joint Force. When combined with allies and partners, the Joint Force will sustain American influence and ensure favorable balances of power that safeguard the free and open international order. To achieve these goals and to build on the well-guided appropriations strategy of fiscal year 2018, the Committee has once again sought the trained and experienced guidance of the Secretary of Defense, the Chairman of the Joint Chiefs of Staff, the leadership of the military Services, and other national security experts. It is the goal of the Committee to provide sufficient, stable, and timely appropriations. The Committee sees its fiscal year 2018 funding efforts as a turning point, thus averting the decline of military readiness and rebounding the legacy of ensuring that the United States military is the strongest, most capable military in the world.

This recommendation continues to provide robust resources needed to respond to and deter threats from adversaries, including Russia, China, Iran, and North Korea, and to counter violent extremists throughout the world. The Chairman of the Joint Chiefs requested that the Committee help ensure that the Joint Force has the depth, flexibility, readiness, and responsiveness to ensure that servicemen and women never face a fair fight. This recommendation builds on the Committee's commitment to financially resource the funding levels required by the nation's fighting force and its leaders to accomplish each mission without fail.

The Committee's recommendation is guided by the National Security Strategy and the National Defense Strategy, both of which are designed to safeguard American prosperity, protect the American people, homeland, and way of life, by preserving peace through strength, and garnering American influence throughout the globe.

After 17 years, the United States continues to be engaged in its historically longest war. From the day the nation was attacked by terrorists on September 11, 2001, the operational tempo of the military, the tools of national diplomacy, and moreover, the American way of life has been challenged. Throughout these expanded conflicts, the military strategy had begun to atrophy and the competi-

tive advantage erode. As requested and provided with this appropriation, robust funding will reverse that decline and place the military Services on a continuing upward climb to global superiority and to address the increasingly complex global security environment.

The Committee recommendation also addresses a new challenge faced by the military and the Department of Defense—not that of a kinetic enemy, but of a virtual cyber enemy. Adversaries are advanced in the prospect of overcoming opponents via virtual means by disrupting or even disabling computer/data networks and the national telecommunications backbone. Additionally, foes including Russia, China, Iran, and North Korea use this virtual environment to spawn instability through media, state-sponsored terrorist activities to garner influence while vying for regional hegemony using a growing network of proxies. Secure vital communications and data transmission is at risk. This recommendation provides robust funding for network resiliency and reliability.

The reserve component forces traditionally supported combat operations as a strategic reserve, however, more recently, reserve component forces have transitioned to an operational force and have been vital while joining active component forces in long-term engagements in Iraq, Afghanistan, and throughout the world. The Committee has once again addressed the needs of the reserve components, investing in many unfunded priorities not addressed by the budget request. For over 37 years Congress has addressed the equipment needs of the National Guard and reserves by providing funding for improved equipment needed but not requested by the senior Service of each.

Fiscal responsibility and congressional oversight is afforded across this recommendation while being mindful of integrating the key elements of national power. In addition to providing for military strength, the recommendation considers the nation's reliance on soft power. Partnering with the Department of State provides power through diplomacy by achieving international strength deterrence, reliability, and partner alliances throughout the world.

The Committee recommendation builds on prior year investments in readiness and technological dominance to defend the nation and to remain the preeminent military power in the world. The Committee believes and has followed the recommendation of the Secretary of Defense to ensure that the balance of power remains favorable through a position of strength, thus advancing international order and the security and prosperity of the United States.

The Committee recommendation balances the needs of national defense with the imperative of fiscal responsibility and congressional oversight. The Committee has reviewed the budget request in detail and identified programs where reductions are possible without adversely impacting the warfighter or the restoration of national defense. Examples of such reductions include programs that have been terminated or restructured since the budget was submitted, savings from favorable contract pricing adjustments, contract or schedule delays resulting in savings, unjustified new programs and cost increases, funds requested ahead of need for the year of budget execution, projected or historical underexecution, rescissions of unneeded prior year funds, and reductions that are au-

thorized in the National Defense Authorization Act for Fiscal Year 2019.

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, 2019, the related classified annexes and Committee reports, and the 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 2020, 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 2020.

REPROGRAMMING GUIDANCE

The Committee directs the Secretary of Defense 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 be $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 Committee directs the Under Secretary of Defense (Comptroller) 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, 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.

FUNDING INCREASES

The funding increases outlined in the tables for each appropriation account shall be provided only for the specific purposes indicated in the tables.

CONGRESSIONAL SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or items for which funding is 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.

CLASSIFIED ANNEX

Adjustments to the classified programs are addressed in the classified annex accompanying this report.

COMMITTEE RECOMMENDATIONS BY MAJOR CATEGORY

ACTIVE, RESERVE AND NATIONAL GUARD MILITARY PERSONNEL

In title I of the bill, the Committee recommends a total of $139,308,351,000 for active, reserve, and National Guard military personnel, a decrease of $1,380,950,000 below the budget request, and an increase of $5,940,954,000 above the fiscal year 2018 enacted level. The Committee recommendation provides full funding necessary to increase basic pay for all military personnel by 2.6 percent, as authorized by current law, effective January 1, 2019.

OPERATION AND MAINTENANCE

In title II of the bill, the Committee recommends a total of $197,551,742,000 for operation and maintenance support to the military Services and other Department of Defense entities, a decrease of $1,917,894,000 below the budget request, and an increase of $9,306,159,000 above the fiscal year 2018 enacted level. The recommended levels will robustly fund operational training, readiness, and facilities needs in fiscal year 2019.

PROCUREMENT

In title III of the bill, the Committee recommends a total of $133,040,027,000 for procurement.

Major procurement initiatives and modifications funded in titles III and IX include:

$1,166,056,000 for the procurement of 58 UH–60 Blackhawk helicopters, an increase of $156,000,000 and eight helicopters above the President's request;

$1,125,662,000 for the procurement of 66 remanufactured and new build AH–64 Apache helicopters, an increase of $87,727,000 and eight new build helicopters above the President's request;

$34,000,000 for the procurement of four UH–72A Lakota helicopters, an increase of $34,000,000 and four aircraft above the President's request;

$163,326,000 for the procurement of 10 MQ–1 Gray Eagle unmanned aerial vehicles, the same as the President's request;

$1,530,999,000 for the upgrade of 135 Abrams tanks to the M1A2 system enhancement package configuration, the same as the President's request;

$1,881,304,000 for the procurement of 24 F/A–18E/F Super Hornet aircraft;

$1,767,179,000 for the procurement of ten P–8A Poseidon multimission aircraft;

$1,072,113,000 for the procurement of six E–2D Advanced Hawkeye aircraft, an increase of two aircraft and $340,000,000 above the President's request;

$798,355,000 for the procurement of 25 AH–1Z helicopters;

$1,134,337,000 for the procurement of 13 V–22 aircraft, an increase of six aircraft and $328,000,000 above the President's request;

$1,027,729,000 for the procurement of eight CH–53K helicopters;

$649,015,000 for the procurement of six VH–92 executive helicopters;

$9,443,026,000 for the procurement of 93 F–35 Lightning aircraft, an increase of $1,724,200,000 and 16 aircraft above the President's request: 22 short take-off and vertical landing variants for the Marine Corps, 15 carrier variants for the Navy and Marine Corps, and 56 conventional variants for the Air Force;

$22,708,767,000 for the procurement of 12 Navy ships, including three DDG–51 guided missile destroyers, two SSN–774 attack submarines, three Littoral Combat Ships, one Towing, Salvage, and Rescue Ship, two TAO fleet oilers, one Expeditionary Sea Base, and the continued procurement of the Columbia Class submarine, an increase of $837,330,000 and two ships above the President's request;

$1,799,998,000 for the procurement of 18 C/HC/MC/KC–130J aircraft, an increase of $604,069,000 and eight aircraft above the President's request;

$487,707,000 for the procurement of 24 MQ–9 Reaper unmanned aerial vehicles;

$2,293,623,000 for the procurement of 15 KC–46 tanker aircraft;

$678,358,000 for the procurement of 10 combat rescue helicopters;

$1,664,536,000 for the procurement of five space launch services; and

$200,000,000 for the Israeli Cooperative Programs under the Missile Defense Agency.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

In title IV of the bill, the Committee recommends a total of $91,218,284,000 for research, development, test and evaluation.

Major initiatives and modifications include:

$496,564,000 for the continued development of the Columbia class ballistic missile submarine;

$413,529,000 for the continued development of the Next Generation Jammer;

$1,262,044,000 for the continued development of the F–35 Lightning Joint Strike Fighter aircraft;

$2,314,196,000 for the continued development of the B–21 bomber;

$623,000,000 for the development of a new JSTARS aircraft;

$637,032,000 for the development of a Presidential Aircraft Replacement;

$457,652,000 for the continued development of a new combat rescue helicopter;

$245,447,000 for space launch services;

$433,889,000 for the Global Positioning System IIIC;

$513,235,000 for the Global Positioning System III Operational Control Segment;

$633,126,000 for the next-generation Overhead Persistent Infrared system;

$3,388,766,000 for the Defense Advanced Research Projects Agency; and

$300,000,000 for the Israeli Cooperative Programs under the Missile Defense Agency.

DEFENSE HEALTH PROGRAM

The Committee recommends a total of $34,047,018,000 in title VI for the Defense Health Program to support worldwide medical and dental services for active forces and other eligible beneficiaries.

OVERSEAS CONTINGENCY OPERATIONS/GLOBAL WAR ON TERRORISM REQUIREMENTS

In title IX of the bill, the Committee recommends a total of $68,079,000,000 for overseas contingency operations/global war on terrorism (OCO/GWOT) requirements.

Military Personnel: The Committee recommends a total of $4,660,661,000 for military personnel OCO/GWOT requirements in title IX of the bill.

Operation and Maintenance: The Committee recommends a total of $48,304,549,000 for operation and maintenance OCO/GWOT requirements in title IX of the bill.

Procurement: The Committee recommends a total of $12,745,120,000 for procurement OCO/GWOT requirements in title IX of the bill.

Research, Development, Test and Evaluation: The Committee recommends a total of $1,180,836,000 for research, development, test and evaluation OCO/GWOT requirements in title IX of the bill.

COMPLIANCE WITH CONGRESSIONAL DIRECTION

The Committee is extremely concerned with the increasing willingness by the Department of Defense to disregard congressional direction as provided in annual Department of Defense Appropriations Acts. The perseverance by Congress and this Committee in particular for additional funding for the Department of Defense has been tireless for the past several years. Thus, when the Department decides to use additional funding for purposes other than the appropriated purpose, it seems that the persistence to provide increased funding has been taken for granted. General Provision 8006 states that additional funding above the budget request for a

particular program or effort may be used only for that program or effort which Congress directed. Any changes to this must be formally requested on a reprogramming action submitted by the Under Secretary of Defense (Comptroller). However, there have been several recent instances where congressional direction has been disregarded by the Department in an effort to fund Department priorities rather than those priorities directed by the Congress. Additionally, there have been many occurrences in which the Services attempt to "buy back" reductions to programs rather than re-baseline those programs accordingly.

The Committee believes that the relationship between the Department and the Congress must be seamless in order to provide appropriate funding and direction for the military and national security. The Committee believes the Department of Defense needs to fully recognize the criticality of this relationship and the role the Congress plays. The Committee directs the Secretary of Defense to submit a report to the House and Senate Appropriations Committees not later than 90 days after the enactment of this Act on any funding added by the Congress in the last five fiscal years that was not executed in accordance with congressional direction and any directed reductions of funding that were reimbursed with other funding.

ARMY OUT-OF-CYCLE PROGRAM DECISIONS

The Committee has become increasingly concerned by the number of out-of-cycle program decisions being made by the Army. These decisions are too often disconnected from the budget requests submitted to Congress and which the Committee acts upon in its annual recommendations. In addition, the Committee believes that the Army has not been forthcoming on issues related to the executability of funds that were requested by the Army as part of its fiscal year 2018 budget submission or requested in its unfunded requirements list. The Committee has learned of these issues only upon the communication of the desire to reprogram funds to new modernization priorities, even though in several instances these priorities are not adequately supported by the fiscal year 2019 budget request and future years defense plan. The Committee expects the Army to improve the quality and timeliness of its communications to the Committee, properly align its programmatic decision making process to the budget process, and ensure that its new or increased budgetary demands upon the Congress are sustained in its future years defense plan.

CLOUD COMPUTING

The Committee believes cloud computing, if implemented properly, will have far-reaching benefits for improving the efficiency of day-to-day operations of the Department, as well as enabling important new military capabilities critical to maintaining tactical advantage, such as artificial intelligence. However, the Committee remains concerned that the Department does not have a coherent strategy for how its various cloud initiatives, such as the Joint Enterprise Defense Infrastructure, the Defense Enterprise Office Solutions, Mil-Cloud, and other cloud efforts, are intended to work together to form the seamless enterprise the Department espouses. The Committee also has serious concerns with acquisition strate-

gies for cloud service contracts that limit competition throughout the period of performance of the contract. This is especially problematic in a rapidly changing field such as cloud computing. Consequently, the Committee expects the Department to develop a strategy that will delineate how it intends to promote competition and innovation on an ongoing basis. The Department also has not adequately addressed the vulnerabilities and threats of adopting an enterprise-wide cloud strategy, to include cyber threats, insider-threats, potential conflicts from foreign ownership, and the need for resiliency. Therefore, the Committee recommendation includes a general provision directing the Secretary of Defense to provide a comprehensive strategy for cloud computing across the Department and to propose a plan to bring greater transparency to the funding requested and expended for procuring cloud computing services, including the funds to migrate legacy data systems to the cloud computing environment. The plan should address the acquisition strategy developed to procure cloud services, to include all types of contracts and funding vehicles considered for use.

OTHER TRANSACTION AUTHORITY FOR FOLLOW-ON PRODUCTION

The Committee supports the Department of Defense's use of Other Transaction Authority (OTA) as an important tool to provide flexibility and agility for cutting-edge research and development projects and prototypes. However, the Committee is concerned with the lack of transparency on the use of OTA authority for follow-on production procurements. Therefore, the Committee directs that no funds may be obligated or expended to carry out a follow-on production contract or transaction under Section 2371b(f) of title 10, United States Code, until 30 days after the Secretary of Defense provides the congressional defense committees with notification of the proposed contract or transaction, including a determination and finding of the facts and circumstances to clearly and convincingly justify the specific determination made.

QUARTERLY CYBER OPERATIONS BRIEFING

The Committee directs the Secretary of Defense to provide quarterly briefings to the House and Senate Appropriations Committees on all named offensive and significant defensive military operations in cyberspace carried out by the Department of Defense not later than 30 days after the end of each fiscal quarter.

CYBERSPACE ACTIVITIES BUDGET EXHIBITS

The Committee repeats direction from fiscal year 2018 seeking additional details regarding the budget request for cyberspace activities within the Department of Defense. The Under Secretary of Defense (Comptroller), the Department of Defense Chief Information Officer, and the Service Secretaries are directed, with the fiscal year 2020 budget submission, to initiate the establishment of individual cyberspace activity projects for research, development, test and evaluation accounts; individual cyberspace activity sub-activity groups for operation and maintenance accounts; and individual budget line items for procurement accounts. Funds that cross capability lines and are more appropriately documented within non-cyberspace activity projects, sub-activity groups, and line

items may continue to be reported as such, but should include specific cyber language and resource amounts within the appropriate non-cyberspace operation and maintenance; procurement; and research, development, test and evaluation budget justification material and shall be referenced in any cyberspace justification materials. Such inclusion of cyber activities in non-cyber projects, subactivity groups, and line items shall be carried out in the most limited manner as possible to meet congressional intent.

Funding appropriated for cyberspace activities as defined by the classified cyberspace activities information technology investment budget request for fiscal year 2019 may only be used for such activities. The Secretary of Defense is directed to use normal prior approval reprogramming procedures to obligate funding appropriated to the operation and maintenance; procurement; or research, development, test and evaluation accounts for cyberspace activities for any other purpose.

TITLE I

MILITARY PERSONNEL

The fiscal year 2019 Department of Defense military personnel budget request totals $140,689,301,000. The Committee recommendation provides $139,308,351,000 for the military personnel accounts. The table below summarizes the Committee recommendations:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
RECAPITULATION			
MILITARY PERSONNEL, ARMY	43,670,542	43,093,752	-576,790
MILITARY PERSONNEL, NAVY	30,426,211	30,254,211	-172,000
MILITARY PERSONNEL, MARINE CORPS	13,890,968	13,770,968	-120,000
MILITARY PERSONNEL, AIR FORCE	30,526,011	30,357,311	-168,700
RESERVE PERSONNEL, ARMY	4,955,947	4,848,947	-107,000
RESERVE PERSONNEL, NAVY	2,067,521	2,055,221	-12,300
RESERVE PERSONNEL, MARINE CORPS	788,090	777,390	-10,700
RESERVE PERSONNEL, AIR FORCE	1,894,286	1,853,526	-40,760
NATIONAL GUARD PERSONNEL, ARMY	8,744,345	8,589,785	-154,560
NATIONAL GUARD PERSONNEL, AIR FORCE	3,725,380	3,707,240	-18,140
GRAND TOTAL, TITLE I, MILITARY PERSONNEL	140,689,301	139,308,351	-1,380,950
GRAND TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	7,533,090	7,533,090	---
GRAND TOTAL, MILITARY PERSONNEL	148,222,391	146,841,441	-1,380,950

MILITARY PERSONNEL OVERVIEW

The Committee recommendation provides $139,308,351,000 for the military personnel accounts, which funds military pay and allowances, recruitment and retention initiatives, and overall quality of life programs for active duty, National Guard, and reserve personnel. The recommendation provides increased basic pay for all military personnel by 2.6 percent as authorized by current law, effective January 1, 2019. The Committee continues to encourage constructive evaluations of recruitment and retention programs, bonus and special pay incentives, and personnel benefit programs for fiscal year 2019. The Committee remains supportive of programs intended to enhance the morale and quality of life of military personnel and their families.

SUMMARY OF END STRENGTH

The fiscal year 2019 budget request includes an increase of 15,600 in total end strength for the active forces and an increase of 800 in total end strength for the Selected Reserve as compared to the fiscal year 2018 authorized levels. The following tables summarize the Committee recommendations for end strength levels, both in the aggregate and for each active and Selected Reserve component.

OVERALL ACTIVE END STRENGTH

Fiscal year 2018 authorized	1,322,500
Fiscal year 2019 budget request	1,338,100
Fiscal year 2019 recommendation	1,338,100
Compared with fiscal year 2018	+15,600
Compared with fiscal year 2019 budget request	– – –

OVERALL SELECTED RESERVE END STRENGTH

Fiscal year 2018 authorized	816,900
Fiscal year 2019 budget request	817,700
Fiscal year 2019 recommendation	817,700
Compared with fiscal year 2018	+800
Compared with fiscal year 2019 budget request	– – –

SUMMARY OF MILITARY PERSONNEL END STRENGTH

	Fiscal year 2018 authorized	Fiscal year 2019			
		Budget request	Committee recommended	Change from request	Change from fiscal year 2018
Active Forces (End Strength)					
Army	483,500	487,500	487,500	– – –	4,000
Navy	327,900	335,400	335,400	– – –	7,500
Marine Corps	186,000	186,100	186,100	– – –	100
Air Force	325,100	329,100	329,100	– – –	4,000
Total, Active Forces	1,322,500	1,338,100	1,338,100	– – –	15,600
Guard and Reserve Forces (End Strength)					
Army Reserve	199,500	199,500	199,500	– – –	– – –
Navy Reserve	59,000	59,100	59,100	– – –	100
Marine Corps Reserve	38,500	38,500	38,500	– – –	– – –
Air Force Reserve	69,800	70,000	70,000	– – –	200
Army National Guard	343,500	343,500	343,500	– – –	– – –
Air National Guard	106,600	107,100	107,100	– – –	500
Total, Selected Reserve	816,900	817,700	817,700	– – –	800
Total, Military Personnel	2,139,400	2,155,800	2,155,800	– – –	16,400

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 2019 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.

MINORITY OUTREACH AND OFFICER ACCESSIONS

Minorities remain underrepresented in the general officer ranks across the Services. To build a more diverse organization, the Committee supports efforts to conduct effective outreach and recruiting programs focused on increasing officer accessions in minority communities and encourages the Secretary of Defense and the Service Secretaries to support efforts, with both personnel and resources, to improve diversity in the military.

CULTURAL SENSITIVITY TRAINING

The Committee recognizes that the Department of Defense and the Services have multiple cultural sensitivity training programs for military personnel. The Committee also believes in the importance of protecting servicemembers' rights regarding religious exercise and ethnic heritage. As such, the Committee supports efforts to identify resource and personnel gaps that may exist in the Office of Diversity Management and Equal Opportunity of the Department of Defense as well as efforts to identify existing gaps in protections for new and prospective servicemembers.

TRAUMA TRAINING PROGRAM

The Committee recognizes the valuable support that universities, hospitals, and other military partners provide by offering civilian-based emergency response trauma and critical care training including public health, bio-environmental, and biomedical instruction to sustain capabilities of the National Guard Enhanced Response Forces Packages, National Guard Homeland Response Forces, and Army Reserve Consequence Management Response Forces. The Committee encourages the Director of the National Guard Bureau and the Chiefs of the reserve components to continue pursuing advanced trauma and public health training with these civilian partners in order to maintain unit readiness. The Committee also encourages the development of enhanced medical and critical care preparedness programs.

MILITARY PERSONNEL, ARMY

Fiscal year 2018 appropriation	$41,628,855,000
Fiscal year 2019 budget request	43,670,542,000
Committee recommendation	43,093,752,000
Change from budget request	−576,790,000

The Committee recommends an appropriation of $43,093,752,000 for Military Personnel, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
50 MILITARY PERSONNEL, ARMY			
100 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
150 BASIC PAY	7,224,373	7,224,373	---
200 RETIRED PAY ACCRUAL	2,192,145	2,192,145	---
220 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	132,476	132,476	---
250 BASIC ALLOWANCE FOR HOUSING	2,165,218	2,165,218	---
300 BASIC ALLOWANCE FOR SUBSISTENCE	287,464	287,464	---
350 INCENTIVE PAYS	66,719	66,719	---
400 SPECIAL PAYS	440,782	432,282	-8,500
450 ALLOWANCES	191,420	191,420	---
500 SEPARATION PAY	99,315	99,315	---
550 SOCIAL SECURITY TAX	550,784	550,784	---
600 TOTAL, BUDGET ACTIVITY 1	13,350,696	13,342,196	-8,500
650 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
700 BASIC PAY	13,825,095	13,825,095	---
750 RETIRED PAY ACCRUAL	4,197,573	4,197,573	---
770 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	243,633	243,633	---
800 BASIC ALLOWANCE FOR HOUSING	4,782,445	4,782,445	---
850 INCENTIVE PAYS	92,004	92,004	---
900 SPECIAL PAYS	1,195,271	1,170,271	-25,000
950 ALLOWANCES	763,048	763,048	---
1000 SEPARATION PAY	390,174	390,174	---
1050 SOCIAL SECURITY TAX	1,057,618	1,057,618	---
1100 TOTAL, BUDGET ACTIVITY 2	26,546,861	26,521,861	-25,000
1150 ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
1200 ACADEMY CADETS	86,510	86,510	---
1250 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
1300 BASIC ALLOWANCE FOR SUBSISTENCE	1,264,097	1,264,097	---
1350 SUBSISTENCE-IN-KIND	636,029	636,029	---
1400 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	83	83	---
1450 TOTAL, BUDGET ACTIVITY 4	1,900,209	1,900,209	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
1500 ACTIVITY 5: PERMANENT CHANGE OF STATION			
1550 ACCESSION TRAVEL	173,692	173,692	---
1600 TRAINING TRAVEL	158,716	158,716	---
1650 OPERATIONAL TRAVEL	375,936	375,936	---
1700 ROTATIONAL TRAVEL	778,697	778,697	---
1750 SEPARATION TRAVEL	251,324	251,324	---
1800 TRAVEL OF ORGANIZED UNITS	4,939	4,939	---
1850 NON-TEMPORARY STORAGE	3,517	3,517	---
1900 TEMPORARY LODGING EXPENSE	37,723	37,723	---
1950 TOTAL, BUDGET ACTIVITY 5	1,784,544	1,784,544	---
2000 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
2050 APPREHENSION OF MILITARY DESERTERS	263	263	---
2100 INTEREST ON UNIFORMED SERVICES SAVINGS	849	849	---
2150 DEATH GRATUITIES	41,400	41,400	---
2200 UNEMPLOYMENT BENEFITS	109,662	109,662	---
2250 EDUCATION BENEFITS	980	980	---
2300 ADOPTION EXPENSES	533	533	---
2350 TRANSPORTATION SUBSIDY	10,041	10,041	---
2400 PARTIAL DISLOCATION ALLOWANCE	59	59	---
2450 RESERVE OFFICERS TRAINING CORPS (ROTC)	102,501	102,501	---
2500 JUNIOR ROTC	28,228	28,228	---
2550 TOTAL, BUDGET ACTIVITY 6	294,516	294,516	---
2600 LESS REIMBURSABLES	-292,794	-292,794	---
2650 UNDISTRIBUTED ADJUSTMENT	---	-543,290	-543,290
2700 TOTAL, ACTIVE FORCES, ARMY	43,670,542	43,093,752	-576,790
6300 TOTAL, TITLE I, MILITARY PERSONNEL, ARMY	43,670,542	43,093,752	-576,790
6310 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	2,141,855	2,141,855	---
6350 TOTAL, MILITARY PERSONNEL, ARMY	45,812,397	45,235,607	-576,790

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
BA-1: PAY AND ALLOWANCES OF OFFICERS			
SPECIAL PAYS	**440,782**	**432,282**	**-8,500**
Historical underexecution		-8,500	
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
SPECIAL PAYS	**1,195,271**	**1,170,271**	**-25,000**
Fiscal year 2018 decrease not properly accounted		-20,000	
Projected underexecution		-5,000	
UNDISTRIBUTED ADJUSTMENTS		**-543,290**	**-543,290**
Historical unobligated balances		-96,290	
Projected underexecution		-400,000	
Projected overestimation of average strength		-15,000	
Insufficient budget justification materials		-32,000	

BUDGET JUSTIFICATION

The Committee is disappointed in the level of detail provided in the Army's Military Personnel budget justification for fiscal year 2019. While the President's Budget for fiscal year 2019 was submitted prior to final consideration of the Department of Defense Appropriations Act, 2018, the Army was given an opportunity to clarify the numbers that were used to formulate the fiscal year 2019 request. In many cases the Army failed to explain how changes in price and program were reflected in the fiscal year 2019 request. For example, in several instances the Army's response to Committee inquiries did not adequately account for the differences in price and program changes. In other cases it is unclear how the amounts were derived, other than to match the fiscal year 2019 request. The Committee supports the Army's requested fiscal year 2019 end strength levels, but is disappointed in the incomplete and inadequate budget justification. As a result, the Committee includes an overall reduction of $32,000,000 and expects the fiscal year 2020 budget justification will provide the details required for Congressional oversight.

Additionally, the Committee is disturbed by the deficiencies in the Army's fiscal year 2019 budget process. The Army learned of pricing modifications in January, and yet submitted their fiscal year 2019 budget with outdated information. The Army had more than two months to share these price fluctuations with the Congress prior to enactment of the Department of Defense Appropriations Act, 2018, and failed to do so. Additional program modifications were discovered in April. Together, the price and program changes resulted in an asset of $850,000,000 in fiscal year 2018, and a projected $383,000,000 asset for fiscal year 2019. Instead, the Army is now using these superfluous funds as a source for initiatives which are both outside the normal budget cycle and unjustified to the Congress. As a result, the Committee recommendation includes a reduction of $400,000,000.

MILITARY PERSONNEL, NAVY

Fiscal year 2018 appropriation	$28,772,118,000
Fiscal year 2019 budget request	30,426,211,000
Committee recommendation	30,254,211,000
Change from budget request	−172,000,000

The Committee recommends an appropriation of $30,254,211,000 for Military Personnel, Navy which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
6400 MILITARY PERSONNEL, NAVY			
6450 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
6500 BASIC PAY	4,382,346	4,382,346	---
6550 RETIRED PAY ACCRUAL	1,331,184	1,331,184	---
6560 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	83,235	83,235	---
6600 BASIC ALLOWANCE FOR HOUSING	1,531,259	1,531,259	---
6650 BASIC ALLOWANCE FOR SUBSISTENCE	172,777	172,777	---
6700 INCENTIVE PAYS	159,053	159,053	---
6750 SPECIAL PAYS	460,487	458,487	-2,000
6800 ALLOWANCES	120,780	120,780	---
6850 SEPARATION PAY	41,489	41,489	---
6900 SOCIAL SECURITY TAX	334,535	334,535	---
6950 TOTAL, BUDGET ACTIVITY 1	8,617,145	8,615,145	-2,000
7000 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
7050 BASIC PAY	9,647,068	9,647,068	---
7100 RETIRED PAY ACCRUAL	2,933,110	2,933,110	---
7120 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	182,026	182,026	---
7150 BASIC ALLOWANCE FOR HOUSING	4,480,750	4,480,750	---
7200 INCENTIVE PAYS	103,984	103,984	---
7250 SPECIAL PAYS	938,584	936,584	-2,000
7300 ALLOWANCES	636,255	636,255	---
7350 SEPARATION PAY	117,648	117,648	---
7400 SOCIAL SECURITY TAX	738,001	738,001	---
7450 TOTAL, BUDGET ACTIVITY 2	19,777,426	19,775,426	-2,000
7500 ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN			
7550 MIDSHIPMEN	83,875	83,875	---
7600 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
7650 BASIC ALLOWANCE FOR SUBSISTENCE	821,434	821,434	---
7700 SUBSISTENCE-IN-KIND	418,478	418,478	---
7750 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	5	5	---
7800 TOTAL, BUDGET ACTIVITY 4	1,239,917	1,239,917	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
7850 ACTIVITY 5: PERMANENT CHANGE OF STATION			
7900 ACCESSION TRAVEL	98,373	98,373	---
7950 TRAINING TRAVEL	89,865	89,865	---
8000 OPERATIONAL TRAVEL	227,416	227,416	---
8050 ROTATIONAL TRAVEL	356,813	356,813	---
8100 SEPARATION TRAVEL	109,210	109,210	---
8150 TRAVEL OF ORGANIZED UNITS	30,763	30,763	---
8200 NON-TEMPORARY STORAGE	13,156	13,156	---
8250 TEMPORARY LODGING EXPENSE	15,753	15,753	---
8350 TOTAL, BUDGET ACTIVITY 5	941,349	941,349	---
8400 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
8450 APPREHENSION OF MILITARY DESERTERS	35	35	---
8500 INTEREST ON UNIFORMED SERVICES SAVINGS	1,220	1,220	---
8550 DEATH GRATUITIES	21,300	21,300	---
8600 UNEMPLOYMENT BENEFITS	58,148	58,148	---
8650 EDUCATION BENEFITS	12,065	12,065	---
8700 ADOPTION EXPENSES	173	173	---
8750 TRANSPORTATION SUBSIDY	4,162	4,162	---
8800 PARTIAL DISLOCATION ALLOWANCE	34	34	---
8900 RESERVE OFFICERS TRAINING CORPS (ROTC)	21,032	21,032	---
8950 JUNIOR ROTC	14,961	14,961	---
9000 TOTAL, BUDGET ACTIVITY 6	133,130	133,130	---
9050 LESS REIMBURSABLES	-366,631	-366,631	---
9100 UNDISTRIBUTED ADJUSTMENT	---	-168,000	-168,000
9200 TOTAL, ACTIVE FORCES, NAVY	30,426,211	30,254,211	-172,000
11000 TOTAL, TITLE I, MILITARY PERSONNEL, NAVY	30,426,211	30,254,211	-172,000
11010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	1,465,879	1,465,879	---
11050 TOTAL, MILITARY PERSONNEL, NAVY	31,892,090	31,720,090	-172,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
BA-1: PAY AND ALLOWANCES OF OFFICERS			
SPECIAL PAYS	460,487	458,487	-2,000
Historical underexecution		-2,000	
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
SPECIAL PAYS	938,584	936,584	-2,000
Fiscal year 2018 decrease not properly accounted		-2,000	
UNDISTRIBUTED ADJUSTMENT		-168,000	-168,000
Historical unobligated balances		-168,000	

MILITARY PERSONNEL, MARINE CORPS

Fiscal year 2018 appropriation	$13,231,114,000
Fiscal year 2019 budget request	13,890,968,000
Committee recommendation	13,770,968,000
Change from budget request	−120,000,000

The Committee recommends an appropriation of $13,770,968,000 for Military Personnel, Marine Corps which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
12000 MILITARY PERSONNEL, MARINE CORPS			
12050 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
12100 BASIC PAY	1,641,181	1,641,181	---
12150 RETIRED PAY ACCRUAL	498,204	498,204	---
12170 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	31,369	31,369	---
12200 BASIC ALLOWANCE FOR HOUSING	546,247	546,247	---
12250 BASIC ALLOWANCE FOR SUBSISTENCE	67,428	67,428	---
12300 INCENTIVE PAYS	46,034	46,034	---
12350 SPECIAL PAYS	3,891	3,891	---
12400 ALLOWANCES	46,208	46,208	---
12450 SEPARATION PAY	17,019	17,019	---
12500 SOCIAL SECURITY TAX	125,091	125,091	---
12550 TOTAL, BUDGET ACTIVITY 1	3,022,672	3,022,672	---
12600 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
12650 BASIC PAY	5,196,233	5,196,233	---
12700 RETIRED PAY ACCRUAL	1,574,705	1,574,705	---
12720 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	97,777	97,777	---
12750 BASIC ALLOWANCE FOR HOUSING	1,658,129	1,658,129	---
12800 INCENTIVE PAYS	9,137	9,137	---
12850 SPECIAL PAYS	198,171	188,171	-10,000
12900 ALLOWANCES	304,996	304,996	---
12950 SEPARATION PAY	97,425	97,425	---
13000 SOCIAL SECURITY TAX	396,969	396,969	---
13050 TOTAL, BUDGET ACTIVITY 2	9,533,542	9,523,542	-10,000
13100 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
13150 BASIC ALLOWANCE FOR SUBSISTENCE	444,111	444,111	---
13200 SUBSISTENCE-IN-KIND	410,720	410,720	---
13250 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	10	10	---
13300 TOTAL, BUDGET ACTIVITY 4	854,841	854,841	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
13350 ACTIVITY 5: PERMANENT CHANGE OF STATION			
13400 ACCESSION TRAVEL	48,992	48,992	---
13450 TRAINING TRAVEL	16,506	16,506	---
13500 OPERATIONAL TRAVEL	166,904	166,904	---
13550 ROTATIONAL TRAVEL	110,869	110,869	---
13600 SEPARATION TRAVEL	87,538	87,538	---
13650 TRAVEL OF ORGANIZED UNITS	890	890	---
13700 NON-TEMPORARY STORAGE	8,730	8,730	---
13750 TEMPORARY LODGING EXPENSE	5,743	5,743	---
13800 OTHER	2,140	2,140	---
13850 TOTAL, BUDGET ACTIVITY 5	448,312	448,312	---
13900 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
13950 APPREHENSION OF MILITARY DESERTERS	236	236	---
14000 INTEREST ON UNIFORMED SERVICES SAVINGS	19	19	---
14050 DEATH GRATUITIES	13,100	13,100	---
14100 UNEMPLOYMENT BENEFITS	37,114	37,114	---
14150 EDUCATION BENEFITS	4,661	4,661	---
14200 ADOPTION EXPENSES	86	86	---
14250 TRANSPORTATION SUBSIDY	1,448	1,448	---
14300 PARTIAL DISLOCATION ALLOWANCE	103	103	---
14400 JUNIOR ROTC	3,790	3,790	---
14450 TOTAL, BUDGET ACTIVITY 6	60,557	60,557	---
14500 LESS REIMBURSABLES	-28,956	-28,956	---
14600 UNDISTRIBUTED ADJUSTMENT	---	-110,000	-110,000
14650 TOTAL, ACTIVE FORCES, MARINE CORPS	13,890,968	13,770,968	-120,000
16000 TOTAL, TITLE I, MILITARY PERSONNEL, MARINE CORPS	13,890,968	13,770,968	-120,000
16010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	830,962	830,962	---
16050 TOTAL, MILITARY PERSONNEL, MARINE CORPS	14,721,930	14,601,930	-120,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
SPECIAL PAYS	198,171	188,171	-10,000
Excess growth		-10,000	
UNDISTRIBUTED ADJUSTMENT		-110,000	-110,000
Historical unobligated balances		-110,000	

MILITARY PERSONNEL, AIR FORCE

Fiscal year 2018 appropriation	$28,790,440,000
Fiscal year 2019 budget request	30,526,011,000
Committee recommendation	30,357,311,000
Change from budget request	−168,700,000

The Committee recommends an appropriation of $30,357,311,000 for Military Personnel, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
17000 MILITARY PERSONNEL, AIR FORCE			
17050 ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
17100 BASIC PAY	5,208,253	5,208,253	---
17150 RETIRED PAY ACCRUAL	1,571,933	1,571,933	---
17170 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	97,630	97,630	---
17200 BASIC ALLOWANCE FOR HOUSING	1,573,578	1,573,578	---
17250 BASIC ALLOWANCE FOR SUBSISTENCE	202,971	202,971	---
17300 INCENTIVE PAYS	284,437	279,437	-5,000
17350 SPECIAL PAYS	368,153	356,153	-12,000
17400 ALLOWANCES	120,547	120,547	---
17450 SEPARATION PAY	46,101	46,101	---
17500 SOCIAL SECURITY TAX	397,802	397,802	---
17550 TOTAL, BUDGET ACTIVITY 1	9,871,405	9,854,405	-17,000
17600 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
17650 BASIC PAY	9,601,883	9,601,883	---
17700 RETIRED PAY ACCRUAL	2,909,736	2,909,736	---
17720 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	179,662	179,662	---
17750 BASIC ALLOWANCE FOR HOUSING	3,882,466	3,882,466	---
17800 INCENTIVE PAYS	71,294	71,294	---
17850 SPECIAL PAYS	492,365	492,365	---
17900 ALLOWANCES	559,102	582,402	+23,300
17950 SEPARATION PAY	121,017	121,017	---
18000 SOCIAL SECURITY TAX	734,544	734,544	---
18050 TOTAL, BUDGET ACTIVITY 2	18,552,069	18,575,369	+23,300
18100 ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
18150 ACADEMY CADETS	79,454	79,454	---
18200 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
18250 BASIC ALLOWANCE FOR SUBSISTENCE	1,040,809	1,040,809	---
18300 SUBSISTENCE-IN-KIND	146,609	146,609	---
18350 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	6	6	---
18400 TOTAL, BUDGET ACTIVITY 4	1,187,424	1,187,424	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
18450 ACTIVITY 5: PERMANENT CHANGE OF STATION			
18500 ACCESSION TRAVEL	102,161	102,161	---
18550 TRAINING TRAVEL	70,306	70,306	---
18600 OPERATIONAL TRAVEL	279,456	279,456	---
18650 ROTATIONAL TRAVEL	516,029	516,029	---
18700 SEPARATION TRAVEL	162,934	162,934	---
18750 TRAVEL OF ORGANIZED UNITS	9,752	9,752	---
18800 NON-TEMPORARY STORAGE	28,300	28,300	---
18850 TEMPORARY LODGING EXPENSE	34,442	34,442	---
18950 TOTAL, BUDGET ACTIVITY 5	1,203,380	1,203,380	---
19000 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
19050 APPREHENSION OF MILITARY DESERTERS	18	18	---
19100 INTEREST ON UNIFORMED SERVICES SAVINGS	2,282	2,282	---
19150 DEATH GRATUITIES	15,000	15,000	---
19200 UNEMPLOYMENT BENEFITS	23,490	23,490	---
19300 EDUCATION BENEFITS	55	55	---
19350 ADOPTION EXPENSES	462	462	---
19400 TRANSPORTATION SUBSIDY	3,061	3,061	---
19450 PARTIAL DISLOCATION ALLOWANCE	482	482	---
19550 RESERVE OFFICERS TRAINING CORPS (ROTC)	47,328	47,328	---
19600 JUNIOR ROTC	18,825	18,825	---
19650 TOTAL, BUDGET ACTIVITY 6	111,003	111,003	---
19700 LESS REIMBURSABLES	-478,724	-478,724	---
19750 UNDISTRIBUTED ADJUSTMENT	---	-175,000	-175,000
19800 TOTAL, ACTIVE FORCES, AIR FORCE	30,526,011	30,357,311	-168,700
21000 TOTAL, TITLE I, MILITARY PERSONNEL, AIR FORCE	30,526,011	30,357,311	-168,700
21010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	1,448,912	1,448,912	---
21050 TOTAL, MILITARY PERSONNEL, AIR FORCE	31,974,923	31,806,223	-168,700

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
BA-1: PAY AND ALLOWANCES OF OFFICERS			
INCENTIVE PAYS	284,437	279,437	-5,000
Excess growth		-5,000	
SPECIAL PAYS	368,153	356,153	-12,000
Historical underexecution		-2,000	
Fiscal year 2018 decrease not properly accounted		-10,000	
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
ALLOWANCES	559,102	582,402	23,300
Program increase - Operational Camouflage Pattern		23,300	
UNDISTRIBUTED ADJUSTMENT		-175,000	-175,000
Historical unobligated balances		-175,000	

RESERVE PERSONNEL, ARMY

Fiscal year 2018 appropriation	$4,715,608,000
Fiscal year 2019 budget request	4,955,947,000
Committee recommendation	4,848,947,000
Change from budget request	−107,000,000

The Committee recommends an appropriation of $4,848,947,000 for Reserve Personnel, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
23000 RESERVE PERSONNEL, ARMY			
23050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
23100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	1,624,216	1,622,216	-2,000
23150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	42,354	42,354	---
23200 PAY GROUP F TRAINING (RECRUITS).....	227,561	227,561	---
23250 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	9,658	9,658	---
23300 MOBILIZATION TRAINING	1,121	1,121	---
23350 SCHOOL TRAINING.....	252,317	237,317	-15,000
23400 SPECIAL TRAINING.....	309,074	309,074	---
23450 ADMINISTRATION AND SUPPORT.....	2,309,323	2,307,323	-2,000
23470 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	35,494	35,494	---
23500 EDUCATION BENEFITS.....	24,274	24,274	---
23550 HEALTH PROFESSION SCHOLARSHIP	64,225	64,225	---
23600 OTHER PROGRAMS	56,330	56,330	---
23650 TOTAL, BUDGET ACTIVITY 1.....	4,955,947	4,936,947	-19,000
23800 UNDISTRIBUTED ADJUSTMENT.....	---	-88,000	-88,000
24000 TOTAL, TITLE I, RESERVE PERSONNEL, ARMY.....	4,955,947	4,848,947	-107,000
24010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375).....	386,853	386,853	---
24050 TOTAL, RESERVE PERSONNEL, ARMY.....	5,342,800	5,235,800	-107,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
BA-1: RESERVE COMPONENT TRAINING AND SUPPORT			
PAY GROUP A TRAINING	1,624,216	1,622,216	-2,000
Excess growth		-2,000	
SCHOOL TRAINING	252,317	237,317	-15,000
Excess growth		-15,000	
ADMINISTRATION AND SUPPORT	2,309,323	2,307,323	-2,000
Historical underexecution		-2,000	
UNDISTRIBUTED ADJUSTMENT		-88,000	-88,000
Historical unobligated balances		-88,000	

RESERVE PERSONNEL, NAVY

Fiscal year 2018 appropriation	$1,988,362,000
Fiscal year 2019 budget request	2,067,521,000
Committee recommendation	2,055,221,000
Change from budget request	−12,300,000

The Committee recommends an appropriation of $2,055,221,000 for Reserve Personnel, Navy which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
26000 RESERVE PERSONNEL, NAVY			
26050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
26100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	698,480	698,480	---
26150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	8,364	8,364	---
26200 PAY GROUP F TRAINING (RECRUITS).....	62,628	62,628	---
26250 MOBILIZATION TRAINING.....	11,535	11,535	---
26300 SCHOOL TRAINING.....	55,012	55,012	---
26350 SPECIAL TRAINING.....	109,433	109,433	---
26400 ADMINISTRATION AND SUPPORT.....	1,052,934	1,050,934	-2,000
26420 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	14,011	14,011	---
26450 EDUCATION BENEFITS.....	78	78	---
26500 HEALTH PROFESSION SCHOLARSHIP.....	55,046	55,046	---
26550 TOTAL, BUDGET ACTIVITY 1.....	2,067,521	2,065,521	-2,000
26600 UNDISTRIBUTED ADJUSTMENT.....	---	-10,300	-10,300
27000 TOTAL, TITLE I, RESERVE PERSONNEL, NAVY.....	2,067,521	2,055,221	-12,300
27010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375).....	130,504	130,504	---
27050 TOTAL, RESERVE PERSONNEL, NAVY.....	2,198,025	2,185,725	-12,300

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
BA-1: RESERVE COMPONENT TRAINING AND SUPPORT			
ADMINISTRATION AND SUPPORT	1,052,934	1,050,934	-2,000
Historical underexecution		-2,000	
UNDISTRIBUTED ADJUSTMENT		-10,300	-10,300
Historical unobligated balances		-10,300	

RESERVE PERSONNEL, MARINE CORPS

Fiscal year 2018 appropriation	$764,903,000
Fiscal year 2019 budget request	788,090,000
Committee recommendation	777,390,000
Change from budget request	– 10,700,000

The Committee recommends an appropriation of $777,390,000 for Reserve Personnel, Marine Corps which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
28000 RESERVE PERSONNEL, MARINE CORPS			
28050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
28100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	284,427	284,427	---
28150 PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY).....	44,091	44,091	---
28200 PAY GROUP F TRAINING (RECRUITS).....	124,573	124,573	---
28300 MOBILIZATION TRAINING.....	1,347	1,347	---
28350 SCHOOL TRAINING.....	26,089	26,089	---
28400 SPECIAL TRAINING.....	42,780	42,780	---
28450 ADMINISTRATION AND SUPPORT.....	244,504	244,504	---
28470 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	4,776	4,776	---
28500 PLATOON LEADER CLASS.....	9,364	9,364	---
28550 EDUCATION BENEFITS.....	6,139	6,139	---
28600 TOTAL, BUDGET ACTIVITY 1.....	788,090	788,090	---
28700 UNDISTRIBUTED ADJUSTMENT.....	---	-10,700	-10,700
29000 TOTAL, TITLE I, RESERVE PERSONNEL, MARINE CORPS.....	788,090	777,390	-10,700
29010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375).....	73,987	73,987	---
29050 TOTAL, RESERVE PERSONNEL, MARINE CORPS.....	862,077	851,377	-10,700

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
UNDISTRIBUTED ADJUSTMENT		**-10,700**	**-10,700**
Historical unobligated balances		-10,700	

RESERVE PERSONNEL, AIR FORCE

Fiscal year 2018 appropriation	$1,802,554,000
Fiscal year 2019 budget request	1,894,286,000
Committee recommendation	1,853,526,000
Change from budget request	−40,760,000

The Committee recommends an appropriation of $1,853,526,000 for Reserve Personnel, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
30000 RESERVE PERSONNEL, AIR FORCE			
30050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
30100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	700,565	700,565	---
30150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	100,488	100,488	---
30200 PAY GROUP F TRAINING (RECRUITS).....	53,181	53,181	---
30250 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	3,101	3,101	---
30300 MOBILIZATION TRAINING.....	725	725	---
30350 SCHOOL TRAINING.....	152,919	152,919	---
30400 SPECIAL TRAINING.....	279,605	279,605	---
30450 ADMINISTRATION AND SUPPORT.....	518,918	517,918	-1,000
30470 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	9,755	9,755	---
30500 EDUCATION BENEFITS.....	14,553	14,553	---
30550 HEALTH PROFESSION SCHOLARSHIP.....	57,363	57,363	---
30600 OTHER PROGRAMS (ADMIN & SUPPORT).....	3,113	3,113	---
30650 TOTAL, BUDGET ACTIVITY 1.....	1,894,286	1,893,286	-1,000
30750 UNDISTRIBUTED ADJUSTMENT.....	---	-39,760	-39,760
31000 TOTAL, TITLE I, RESERVE PERSONNEL, AIR FORCE.....	1,894,286	1,853,526	-40,760
31010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375).....	132,578	132,578	---
31050 TOTAL, RESERVE PERSONNEL, AIR FORCE.....	2,026,864	1,986,104	-40,760

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
BA-1: RESERVE COMPONENT TRAINING AND SUPPORT			
ADMINISTRATION AND SUPPORT	518,918	517,918	-1,000
Historical underexecution		-1,000	
UNDISTRIBUTED ADJUSTMENT		-39,760	-39,760
Historical unobligated balances		-39,760	

NATIONAL GUARD PERSONNEL, ARMY

Fiscal year 2018 appropriation	$8,264,626,000
Fiscal year 2019 budget request	8,744,345,000
Committee recommendation	8,589,785,000
Change from budget request	−154,560,000

The Committee recommends an appropriation of $8,589,785,000 for National Guard Personnel, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
32000 NATIONAL GUARD PERSONNEL, ARMY			
32050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
32100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	2,805,051	2,786,051	-19,000
32150 PAY GROUP F TRAINING (RECRUITS)	575,310	565,310	-10,000
32200 PAY GROUP P TRAINING (PIPELINE RECRUITS)	43,618	43,618	---
32250 SCHOOL TRAINING	554,644	551,644	-3,000
32300 SPECIAL TRAINING	695,097	707,337	+12,240
32350 ADMINISTRATION AND SUPPORT	3,925,593	3,925,593	---
32370 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	55,530	55,530	---
32400 EDUCATION BENEFITS	89,502	89,502	---
32450 TOTAL, BUDGET ACTIVITY 1	8,744,345	8,724,585	-19,760
32600 UNDISTRIBUTED ADJUSTMENT	---	-136,000	-136,000
32610 TRAUMA TRAINING	---	1,200	+1,200
33000 TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, ARMY	8,744,345	8,589,785	-154,560
33010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	685,463	685,463	---
33050 TOTAL, NATIONAL GUARD PERSONNEL, ARMY	9,429,808	9,275,248	-154,560

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
BA-1: RESERVE COMPONENT TRAINING AND SUPPORT			
PAY GROUP A TRAINING (15 DAYS and DRILLS 24/48)	2,805,051	2,786,051	-19,000
Excess growth		-19,000	
PAY GROUP F TRAINING (RECRUITS)	575,310	565,310	-10,000
Excess to requirement		-10,000	
SCHOOL TRAINING	554,644	551,644	-3,000
Historical overestimation of accessions mission		-3,000	
SPECIAL TRAINING	695,097	707,337	12,240
Program increase - State Partnership Program		2,940	
Program increase - cyber protection teams		1,300	
Program increase - training and operational support of the southwest border		8,000	
UNDISTRIBUTED ADJUSTMENTS		-134,800	-134,800
Historical unobligated balances		-136,000	
Program increase - trauma training		1,200	

SUICIDE PREVENTION AND OUTREACH

The Committee is concerned by the number of suicides among servicemembers. The Committee recognizes programs like the National Guard Bureau's national counseling and suicide prevention peer-to-peer outreach programs are vital to reducing the number of suicides among guardsmen. The Committee encourages the Chief of the National Guard Bureau to continue supporting such programs.

NATIONAL GUARD PERSONNEL, AIR FORCE

Fiscal year 2018 appropriation	$3,408,817,000
Fiscal year 2019 budget request	3,725,380,000
Committee recommendation	3,707,240,000
Change from budget request	−18,140,000

The Committee recommends an appropriation of $3,707,240,000 for National Guard Personnel, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
34000 NATIONAL GUARD PERSONNEL, AIR FORCE			
34050 ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
34100 PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	989,368	989,368	---
34150 PAY GROUP F TRAINING (RECRUITS).....	85,771	85,771	---
34200 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	8,113	8,113	---
34250 SCHOOL TRAINING.....	334,293	334,293	---
34300 SPECIAL TRAINING.....	167,411	168,671	+1,260
34350 ADMINISTRATION AND SUPPORT.....	2,099,045	2,098,045	-1,000
34370 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	25,177	25,177	---
34400 EDUCATION BENEFITS.....	16,202	16,202	---
34450 TOTAL, BUDGET ACTIVITY 1.....	3,725,380	3,725,640	+260
34700 UNDISTRIBUTED ADJUSTMENT.....	---	-20,200	-20,200
34720 TRAUMA TRAINING.....	---	1,800	+1,800
35000 TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, AIR FORCE...	3,725,380	3,707,240	-18,140
35010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375).....	236,097	236,097	---
35050 TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE.....	3,961,477	3,943,337	-18,140

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
BA-1: RESERVE COMPONENT TRAINING AND SUPPORT			
SPECIAL TRAINING	**167,411**	**168,671**	**1,260**
Program increase - State Partnership Program		1,260	
ADMINISTRATION AND SUPPORT	**2,099,045**	**2,098,045**	**-1,000**
Historical underexecution		-1,000	
UNDISTRIBUTED ADJUSTMENTS		**-18,400**	**-18,400**
Historical unobligated balances		-20,200	
Program increase - trauma training		1,800	

TITLE II

OPERATION AND MAINTENANCE

The fiscal year 2019 Department of Defense operation and maintenance budget request totals $199,469,636,000. The Committee recommendation provides $197,551,742,000 for the operation and maintenance accounts. The table below summarizes the Committee recommendations:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
RECAPITULATION			
OPERATION & MAINTENANCE, ARMY	42,009,317	41,334,782	-674,535
OPERATION & MAINTENANCE, NAVY	49,003,633	48,963,337	-40,296
OPERATION & MAINTENANCE, MARINE CORPS	6,832,510	6,824,269	-8,241
OPERATION & MAINTENANCE, AIR FORCE	42,060,568	41,465,107	-595,461
OPERATION & MAINTENANCE, DEFENSE-WIDE	36,352,625	35,676,402	-676,223
OPERATION & MAINTENANCE, ARMY RESERVE	2,916,909	2,877,402	-39,507
OPERATION & MAINTENANCE, NAVY RESERVE	1,027,006	1,019,966	-7,040
OPERATION & MAINTENANCE, MARINE CORPS RESERVE	271,570	281,570	+10,000
OPERATION & MAINTENANCE, AIR FORCE RESERVE	3,260,234	3,212,234	-48,000
OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	7,399,295	7,329,771	-69,524
OPERATION & MAINTENANCE, AIR NATIONAL GUARD	6,427,622	6,438,162	+10,540
UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES	14,662	14,662	---
ENVIRONMENTAL RESTORATION, ARMY	203,449	235,809	+32,360
ENVIRONMENTAL RESTORATION, NAVY	329,253	365,883	+36,630
ENVIRONMENTAL RESTORATION, AIR FORCE	296,808	376,808	+80,000
ENVIRONMENTAL RESTORATION, DEFENSE-WIDE	8,926	19,002	+10,076
ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES	212,346	248,673	+36,327
OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID	107,663	117,663	+10,000
COOPERATIVE THREAT REDUCTION ACCOUNT	335,240	350,240	+15,000
DOD ACQUISITION WORKFORCE DEVELOPMENT FUND	400,000	400,000	---
GRAND TOTAL, OPERATION & MAINTENANCE	199,469,636	197,551,742	-1,917,894

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 2019 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 sub-activity groups in the case of Operation and Maintenance, Defense-Wide, in excess of $15,000,000.

In addition, the Secretary shall follow prior approval reprogramming procedures in excess of $15,000,000 out of the following readiness sub-activity groups:

Army:
Maneuver units
Modular support brigades
Aviation assets
Land forces operations support
Force readiness operations support
Land forces depot maintenance
Base operations support
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
Operating forces depot maintenance
Facilities sustainment, restoration, and modernization
Contractor logistics support and system support
Flying hour program
Mobilization depot maintenance
Training and recruiting depot maintenance
Administration and service-wide depot maintenance

Air Force Reserve:
Depot maintenance

Air National Guard:
Depot maintenance

Additionally, the Secretary of Defense is directed to use normal prior approval reprogramming procedures when implementing transfers in excess of $15,000,000 into the following budget sub-activities:

Operation and Maintenance, Army:
Other personnel support/recruiting and advertising

Operation and Maintenance, Army National Guard:
Other personnel support/recruiting and advertising

REPROGRAMMING GUIDANCE FOR SPECIAL OPERATIONS COMMAND

The Committee directs the Secretary of Defense to submit a baseline report that shows the Special Operations Command's operation and maintenance funding by sub-activity group for the fiscal year 2019 appropriation not later than 60 days after the enactment of this Act. The Secretary of Defense is further directed to submit quarterly execution reports to the congressional defense committees not later than 45 days after the end of each fiscal quarter that addresses the rationale for the realignment of any funds within and between budget sub-activities and the movement of any base funds used to support Overseas Contingency Operations. Finally, the Secretary of Defense is directed to notify the congressional defense committees 30 days prior to the realignment of funds in excess of $15,000,000 between sub-activity groups.

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 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.

OPERATION AND MAINTENANCE QUARTERLY UPDATES

Regular interaction with each of the Service's financial management offices enhances the ability of the Committee to perform its essential oversight responsibilities. Through these interactions, the Committee is able to gain a better understanding of the challenges each of the Services face with the obligation and execution of their programs and contracts. The Committee notes the successful quarterly meetings with the Navy throughout fiscal year 2018 and directs the Director of each of the Service's Operations Divisions (Financial Management and Budget) to provide quarterly briefings to the House and Senate Appropriations Committees on their respective operation and maintenance execution rates in fiscal year 2019.

RESTORING READINESS

The Committee recommends additional readiness funds for the Services within the operation and maintenance accounts. This funding shall be used only to improve military readiness, including increased training, depot maintenance, and base operations support. None of the funding provided may be used for recruiting, marketing, or advertising programs. The readiness funding provided is a congressional special interest item. The Secretary of Defense and the Service Secretaries are directed to submit a detailed spend plan by sub-activity group not less than 30 days prior to the obligation of these funds.

DEFENSE FOREIGN LANGUAGE AND CULTURAL IMMERSION TRAINING

The Committee appreciates the continued emphasis the Department of Defense places on advanced foreign language and cultural immersion training. The Committee also supports the Defense Language Institute Foreign Language Center and its efforts to ensure that necessary requirements for advanced foreign language and cultural training and materials are being met. Members of the military and intelligence community must be able to communicate and interact directly with local populations, guides, foreign allies, and contractors to fully understand and respect their cultures. The Committee encourages the Secretary of Defense to continue efforts to improve existing capabilities and to ensure that requirements for authentic advanced foreign language training and cultural materials are being fully met.

The Committee also supports efforts to offer foreign language and cultural training online to increase access for servicemembers. The Committee directs the Secretary of Defense to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on current and future Department-wide efforts to offer foreign language training online.

PILOT SHORTAGES

The Committee appreciates efforts throughout the Department of Defense to address the shortage of pilots across the Services. The Committee encourages the Secretary of Defense to work with higher education institutions, including Historically Black Colleges and Universities, Hispanic Serving Institutions, and other Minority Serving Institutions, to develop programs that will prepare more students to meet the eligibility requirements for pilot training. In addition, the Secretary of the Air Force is encouraged to examine university-based training for Air Force ROTC cadets and civilian aviation students as pilots and sensor operators for Remotely Piloted Aircraft.

SMALL BUSINESS INNOVATION RESEARCH PROGRAM

The Committee continues to support efforts in the Department of Defense and the Intelligence Community to partner with small businesses through the Small Business Innovation Research Program and is aware of Departmental efforts to provide mentoring and outreach services for small businesses competing for contracts, with a focus on minority-owned and HUBZone businesses. The

Committee encourages the Secretary of Defense to continue efforts to support these programs.

VIEQUES AND CULEBRA

The Committee remains interested in the pace and scope of environmental restoration on the island municipalities of Culebra and Vieques in Puerto Rico. The Committee encourages the Secretary of the Army and the Secretary of the Navy to work closely with the Environmental Protection Agency, the Fish and Wildlife Service, and the Puerto Rico Environmental Quality Board to maximize public participation and transparency in the decontamination process in order to achieve a thorough decontamination result on both islands.

The Committee is also concerned about public safety on the northwest peninsula of Culebra due to unexploded ordnance identified there by the Army. The Committee encourages the Secretary of the Army to exercise available authorities, including the authority clarified through the National Defense Authorization Act for Fiscal Year 2015, to decontaminate the northwest peninsula. Additionally, the Committee directs the Secretary of the Army and the Secretary of the Navy to each submit a report to the congressional defense committees not later than 90 days after the enactment of this Act detailing all respective decontamination authorities and plans applicable to Culebra and Vieques, to include particular emphasis on the decontamination of the northwest peninsula of Culebra.

The Committee also notes that there are gaps in information about types and amounts of ordnance used on Vieques and Culebra, as well as about potential links between the ordnance used and present threats to public health. The Committee directs the Secretary of the Army and the Secretary of the Navy to provide a report to the congressional defense committees not later than 60 days after the enactment of this Act on previously released information related to the ordnance on the two islands. The Committee also urges the Secretaries to publish the relevant documents on the internet in a single location and in a user-friendly format.

NATIONAL SECURITY EDUCATION PROGRAM

The Committee recognizes that the National Security Education Program provides training for servicemembers and civilians in languages and cultures critical to national security. The Language Flagship Program has successfully recruited language proficient students by utilizing partnerships dedicated to creating pathways into the program. The Committee encourages the Secretary of Defense to continue supporting these programs to ensure warfighters receive the language and culture training needed to effectively complete missions. Additionally, the Committee directs the Secretary of Defense to submit a report not later than 60 days after the enactment of this Act which provides the percentage of strategic language billets filled with level three foreign language speakers and identifies additional resources that may be required to address existing shortfalls in this skill set. Furthermore, the Committee encourages the Director of the National Security Education Program to find ways to work collaboratively with Historically Black Col-

leges and Universities, Hispanic Serving Institutions, and other Minority Serving Institutions to ensure a diversity of analysts with proficiency in critical languages.

INDIAN FINANCING ACT

The Committee recommendation includes funds for activities authorized in the Indian Financing Act of 1974. The Committee directs the Secretary of Defense to obligate funds for these activities not later than 90 days after the enactment of this Act.

FACILITY DEMOLITION

The Committee notes the increased budget request from each of the Services for facilities sustainment, restoration, and modernization. However, the additional funding requests for facility reduction and demolition are concerning. While demolition can be a useful tool for readiness, health, and safety efforts, a prioritization process for site selection is imperative. Prior to obligating funding for any facility reduction or demolition activity, the Committee directs the Secretary of Defense to submit a report to the congressional defense committees that provides a spend plan for demolition activities in fiscal year 2019 and explains the process used to identify and prioritize demolitions across the Department of Defense enterprise.

REAL PROPERTY

The Committee directs the Assistant Secretary of Defense (Energy, Installations, and Environment), in conjunction with the Service Secretaries, to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act that outlines the Department of Defense facilities with a category code related to administration or warehouse space, are coded as active, and have a zero percent utilization in the Department's real property inventory database. The report should indicate the feasibility of conveying or selling the facility or property.

STORM WATER CONVEYANCE SYSTEMS

The Committee is concerned with the maintenance and repair of aging and stressed infrastructure by the Department of Defense, especially during and after devastating weather events producing excess storm water such as Hurricanes Harvey, Irma, and Maria in 2017. Military installations must be maintained not only for training of servicemembers but to provide a certain quality of life for all residents. A resilient infrastructure able to handle storm water on its installations is part of this quality of life. Therefore, the Committee directs the Secretary of Defense, in consultation with the Service Secretaries, to provide a report to the congressional defense committees not later than 180 days after the enactment of this Act on the current state of military installation storm water conveyance systems, current projects to repair or strengthen these systems, and future plans to address any shortcomings identified. The report shall include related funding profiles.

OPERATION AND MAINTENANCE, ARMY

Fiscal year 2018 appropriation	$38,816,957,000
Fiscal year 2019 budget request	42,009,317,000
Committee recommendation	41,334,782,000
Change from budget request	−674,535,000

The Committee recommends an appropriation of $41,334,782,000 for Operation and Maintenance, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, ARMY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	2,076,360	1,882,567	-193,793
20	MODULAR SUPPORT BRIGADES	107,946	107,946	---
30	ECHELONS ABOVE BRIGADES	732,485	707,485	-25,000
40	THEATER LEVEL ASSETS	1,169,508	1,169,508	---
50	LAND FORCES OPERATIONS SUPPORT	1,180,460	1,180,460	---
60	AVIATION ASSETS	1,467,500	1,342,500	-125,000
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	4,285,211	4,316,551	+31,340
80	LAND FORCES SYSTEMS READINESS	482,201	482,201	---
90	LAND FORCES DEPOT MAINTENANCE	1,536,851	1,485,351	-51,500
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT	8,274,299	8,250,144	-24,155
110	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION	3,516,859	3,756,859	+240,000
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	438,733	430,278	-8,455
	COMBATANT COMMAND SUPPORT			
180	US AFRICA COMMAND	231,518	231,518	---
190	US EUROPEAN COMMAND	150,268	150,268	---
200	US SOUTHERN COMMAND	195,964	195,964	---
210	US FORCES KOREA	59,625	59,625	---
	TOTAL, BUDGET ACTIVITY 1	25,905,788	25,749,225	-156,563
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
220	STRATEGIC MOBILITY	370,941	370,941	---
230	ARMY PREPOSITIONED STOCKS	573,560	573,560	---
240	INDUSTRIAL PREPAREDNESS	7,678	7,678	---
	TOTAL, BUDGET ACTIVITY 2	952,179	952,179	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
250	OFFICER ACQUISITION	135,832	135,832	---
260	RECRUIT TRAINING	54,819	54,819	---
270	ONE STATION UNIT TRAINING	69,599	69,599	---
280	SENIOR RESERVE OFFICERS TRAINING CORPS	518,998	518,998	---
	BASIC SKILL AND ADVANCED TRAINING			
290	SPECIALIZED SKILL TRAINING	1,020,073	1,000,073	-20,000
300	FLIGHT TRAINING	1,082,190	1,082,190	---
310	PROFESSIONAL DEVELOPMENT EDUCATION	220,399	212,242	-8,157
320	TRAINING SUPPORT	611,482	581,482	-30,000
	RECRUITING AND OTHER TRAINING AND EDUCATION			
330	RECRUITING AND ADVERTISING	698,962	612,085	-86,877
340	EXAMINING	162,049	162,049	---
350	OFF-DUTY AND VOLUNTARY EDUCATION	215,622	215,622	---
360	CIVILIAN EDUCATION AND TRAINING	176,914	176,914	---
370	JUNIOR RESERVE OFFICERS TRAINING CORPS	174,430	174,430	---
	TOTAL, BUDGET ACTIVITY 3	5,141,369	4,996,335	-145,034
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
390	SERVICEWIDE TRANSPORTATION	588,047	588,047	---
400	CENTRAL SUPPLY ACTIVITIES	931,462	931,462	---
410	LOGISTICS SUPPORT ACTIVITIES	696,114	696,114	---
420	AMMUNITION MANAGEMENT	461,637	461,637	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	SERVICEWIDE SUPPORT			
430	ADMINISTRATION	447,564	447,564	---
440	SERVICEWIDE COMMUNICATIONS	2,069,127	2,069,127	---
450	MANPOWER MANAGEMENT	261,021	261,021	---
460	OTHER PERSONNEL SUPPORT	379,541	379,541	---
470	OTHER SERVICE SUPPORT	1,699,767	1,669,331	-30,436
480	ARMY CLAIMS ACTIVITIES	192,686	192,686	---
490	REAL ESTATE MANAGEMENT	240,917	240,917	---
500	BASE OPERATIONS SUPPORT	291,569	291,569	---
	SUPPORT OF OTHER NATIONS			
510	SUPPORT OF NATO OPERATIONS	442,656	442,656	---
520	MISC. SUPPORT OF OTHER NATIONS	48,251	48,251	---
	OTHER PROGRAMS			
	OTHER PROGRAMS	1,259,622	1,258,622	-1,000
	TOTAL, BUDGET ACTIVITY 4	10,009,981	9,978,545	-31,436
	OVERESTIMATION OF CIVILIAN FTE TARGETS	---	-50,000	-50,000
	RESTORE READINESS	---	300,000	+300,000
	WORKING CAPITAL FUND EXCESS CARRYOVER	---	-100,000	-100,000
	HISTORICAL UNOBLIGATION	---	-491,502	-491,502
	TOTAL, OPERATION AND MAINTENANCE, ARMY	42,009,317	41,334,782	-674,535

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1		Budget Request	Committee Recommended	Change from Request
111	MANEUVER UNITS	2,076,360	1,882,567	-193,793
	Excess growth		-83,793	
	Fiscal year 2018 decrease not properly accounted		-110,000	
113	ECHELONS ABOVE BRIGADE	732,485	707,485	-25,000
	Excess growth		-25,000	
116	AVIATION ASSETS	1,467,500	1,342,500	-125,000
	Fiscal year 2018 decrease not properly accounted		-50,000	
	Unjustified program growth		-75,000	
121	FORCE READINESS OPERATIONS SUPPORT	4,285,211	4,316,551	31,340
	Excess growth		-11,300	
	Excess travel		-1,860	
	Program increase - aerial weapons scoring system		3,000	
	Program increase - Integrated Head Protection System		33,000	
	Program increase - cyber electromagnetic activities unfunded requirement		8,500	
123	LAND FORCES DEPOT MAINTENANCE	1,536,851	1,485,351	-51,500
	Excess growth		-51,500	
131	BASE OPERATIONS SUPPORT	8,274,299	8,250,144	-24,155
	Unjustified growth		-24,155	
132	FACILITIES SUSTAINMENT, RESTORATION AND MODERNIZATION	3,516,859	3,756,859	240,000
	Program increase		240,000	
133	MANAGEMENT AND OPERATIONAL HEADQUARTERS	438,733	430,278	-8,455
	Excess growth - cyber		-8,455	
321	SPECIALIZED SKILL TRAINING	1,020,073	1,000,073	-20,000
	Fiscal year 2018 decrease not properly accounted		-20,000	
323	PROFESSIONAL DEVELOPMENT EDUCATION	220,399	212,242	-8,157
	Fiscal year 2018 decrease not properly accounted		-7,000	
	Unjustified program growth		-1,157	
324	TRAINING SUPPORT	611,482	581,482	-30,000
	Fiscal year 2018 decrease not properly accounted		-30,000	
331	RECRUITING AND ADVERTISING	698,962	612,085	-86,877
	Unjustified program growth		-86,877	
411	SECURITY PROGRAMS	1,259,622	1,258,622	-1,000
	Classified adjustment		-1,000	

O-1		Budget Request	Committee Recommended	Change from Request
435	OTHER SERVICE SUPPORT	1,699,767	1,669,331	-30,436
	Fiscal year 2018 decrease not properly accounted		-14,000	
	Army modernization strategy, Futures Command		-20,000	
	Program increase - Army support to Capitol 4th		3,564	
	OVERESTIMATION OF CIVILIAN FTE TARGETS		-50,000	-50,000
	RESTORE READINESS		300,000	300,000
	WORKING CAPITAL FUND EXCESS CARRYOVER		-100,000	-100,000
	HISTORICAL UNOBLIGATION		-491,502	-491,502

PHYSICAL FITNESS

The Committee believes that physical fitness prior to mobilization is an important readiness tool. Accordingly, the Committee encourages the Secretary of the Army to make necessary investments in physical fitness equipment at all mobilization force generation installations to ensure the physical readiness of all troops prior to deployment.

OPERATION AND MAINTENANCE, NAVY

Fiscal year 2018 appropriation	$45,384,353,000
Fiscal year 2019 budget request	49,003,633,000
Committee recommendation	48,963,337,000
Change from budget request	−40,296,000

The Committee recommends an appropriation of $48,963,337,000 for Operation and Maintenance, Navy which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, NAVY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	MISSION AND OTHER FLIGHT OPERATIONS	5,372,399	5,327,478	-44,921
20	FLEET AIR TRAINING	2,023,351	1,913,124	-110,227
30	AVIATION TECHNICAL DATA AND ENGINEERING SERVICES	56,225	56,225	---
40	AIR OPERATIONS AND SAFETY SUPPORT	156,081	156,081	---
50	AIR SYSTEMS SUPPORT	682,379	676,440	-5,939
60	AIRCRAFT DEPOT MAINTENANCE	1,253,756	1,253,756	---
70	AIRCRAFT DEPOT OPERATIONS SUPPORT	66,649	62,353	-4,296
80	AVIATION LOGISTICS	939,368	939,368	---
	SHIP OPERATIONS			
90	MISSION AND OTHER SHIP OPERATIONS	4,439,566	4,413,287	-26,279
100	SHIP OPERATIONS SUPPORT AND TRAINING	997,663	997,663	---
110	SHIP DEPOT MAINTENANCE	8,751,526	8,751,526	---
120	SHIP DEPOT OPERATIONS SUPPORT	2,168,876	2,168,876	---
	COMBAT COMMUNICATIONS/SUPPORT			
130	COMBAT COMMUNICATIONS	1,349,593	1,317,593	-32,000
150	SPACE SYSTEMS AND SURVEILLANCE	215,255	215,255	---
160	WARFARE TACTICS	632,446	602,446	-30,000
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	373,046	373,046	---
180	COMBAT SUPPORT FORCES	1,452,075	1,452,075	---
190	EQUIPMENT MAINTENANCE	153,719	153,719	---
210	COMBATANT COMMANDERS CORE OPERATIONS	63,039	63,039	---
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	89,339	89,339	---
230	MILITARY INFORMATION SUPPORT OPERATIONS	8,475	8,475	---
240	CYBERSPACE ACTIVITIES	424,088	411,088	-13,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	WEAPONS SUPPORT			
260	FLEET BALLISTIC MISSILE	1,361,947	1,361,947	---
280	WEAPONS MAINTENANCE	823,952	823,952	---
290	OTHER WEAPON SYSTEMS SUPPORT	494,101	494,101	---
	BASE SUPPORT			
300	ENTERPRISE INFORMATION TECHNOLOGY	921,936	875,894	-46,042
310	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	2,040,389	2,330,389	+290,000
320	BASE OPERATING SUPPORT	4,414,753	4,414,753	---
	TOTAL, BUDGET ACTIVITY 1	41,725,992	41,703,288	-22,704
	BUDGET ACTIVITY 2: MOBILIZATION			
	READY RESERVE AND PREPOSITIONING FORCES			
330	SHIP PREPOSITIONING AND SURGE	549,142	549,142	---
340	READY RESERVE FORCE	310,805	310,805	---
	ACTIVATIONS/INACTIVATIONS			
360	SHIP ACTIVATIONS/INACTIVATIONS	161,150	161,150	---
	MOBILIZATION PREPAREDNESS			
370	FLEET HOSPITAL PROGRAM	120,338	120,338	---
390	COAST GUARD SUPPORT	24,097	24,097	---
	TOTAL, BUDGET ACTIVITY 2	1,165,532	1,165,532	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
400	OFFICER ACQUISITION	145,481	145,481	---
410	RECRUIT TRAINING	9,637	9,637	---
420	RESERVE OFFICERS TRAINING CORPS	149,687	149,687	---
	BASIC SKILLS AND ADVANCED TRAINING			
430	SPECIALIZED SKILL TRAINING	879,557	740,157	-139,400
450	PROFESSIONAL DEVELOPMENT EDUCATION	184,436	184,436	---
460	TRAINING SUPPORT	223,159	223,159	---
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
470	RECRUITING AND ADVERTISING	181,086	184,386	+3,300
480	OFF-DUTY AND VOLUNTARY EDUCATION	96,006	96,006	---
490	CIVILIAN EDUCATION AND TRAINING	72,083	72,083	---
500	JUNIOR ROTC	54,156	54,156	---
	TOTAL, BUDGET ACTIVITY 3	1,995,288	1,859,188	-136,100
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
510	ADMINISTRATION	1,089,964	1,059,964	-30,000
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	164,074	164,074	---
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	418,350	418,350	---
	LOGISTICS OPERATIONS AND TECHNICAL SUPPORT			
580	SERVICEWIDE TRANSPORTATION	167,106	167,106	---
600	PLANNING, ENGINEERING AND DESIGN	333,556	333,556	---
610	ACQUISITION AND PROGRAM MANAGEMENT	663,690	663,690	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	SECURITY PROGRAMS			
650	NAVAL INVESTIGATIVE SERVICE	705,087	705,087	---
	OTHER PROGRAMS			
	OTHER PROGRAMS	574,994	583,994	+9,000
	TOTAL, BUDGET ACTIVITY 4	4,116,821	4,095,821	-21,000
	RESTORE READINESS	---	300,000	+300,000
	CIVILIAN FTE	---	-35,000	-35,000
	HISTORICAL UNOBLIGATION	---	-125,492	-125,492
	TOTAL, OPERATION AND MAINTENANCE, NAVY	49,003,633	48,963,337	-40,296

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
1A1A MISSION AND OTHER FLIGHT OPERATIONS	**5,372,399**	**5,327,478**	**-44,921**
Unjustified growth		-44,921	
1A2A FLEET AIR TRAINING	**2,023,351**	**1,913,124**	**-110,227**
Fiscal year 2018 decrease not properly accounted		-52,000	
Unjustified growth		-58,227	
1A4N AIR SYSTEMS SUPPORT	**682,379**	**676,440**	**-5,939**
Unjustified growth		-5,939	
1A6A AIRCRAFT DEPOT OPERATIONS SUPPORT	**66,649**	**62,353**	**-4,296**
Excess growth		-3,779	
Excess travel		-517	
1B1B MISSION AND OTHER SHIP OPERATIONS	**4,439,566**	**4,413,287**	**-26,279**
Excess growth		-26,279	
1C1C COMBAT COMMUNICATIONS AND ELECTORNIC WARFARE	**1,349,593**	**1,317,593**	**-32,000**
Fiscal year 2018 decrease not properly accounted		-32,000	
1C4C WARFARE TACTICS	**632,446**	**602,446**	**-30,000**
Fiscal year 2018 decrease not properly accounted		-30,000	
1CCY CYBERSPACE ACTIVITIES	**424,088**	**411,088**	**-13,000**
Fiscal year 2018 decrease not properly accounted		-13,000	
BSIT ENTERPRISE INFORMATION	**921,936**	**875,894**	**-46,042**
Excess growth		-9,042	
Fiscal year 2018 decrease not properly accounted		-37,000	
BSM1 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**2,040,389**	**2,330,389**	**290,000**
Program increase - shipyards, docks, piers, ranges		50,000	
Program increase		240,000	
3B1K SPECIALIZED SKILL TRAINING	**879,557**	**740,157**	**-139,400**
Program decrease - RRL		-100,000	
Fiscal year 2018 decrease not properly accounted		-39,400	
3C1L RECRUITING AND ADVERTISING	**181,086**	**184,386**	**3,300**
Program increase - Naval Sea Cadet Corps		3,300	

O-1	Budget Request	Committee Recommended	Change from Request
4A1M ADMINISTRATION	**1,089,964**	**1,059,964**	**-30,000**
Fiscal year 2018 decrease not properly accounted		-30,000	
9999 OTHER PROGRAMS	**574,994**	**583,994**	**9,000**
Classified adjustment		9,000	
RESTORE READINESS		**300,000**	**300,000**
OVERESTIMATION OF CIVILIAN FTE TARGETS		**-35,000**	**-35,000**
HISTORICAL UNOBLIGATION		**-125,492**	**-125,492**

NAVY TRAINING FLIGHTS

The Committee fully supports training of naval aviators but recognizes the impact this training often has on local communities. In order to maximize awareness of flight activities with the public and other federal agencies, the Committee encourages the Secretary of the Navy to coordinate with the Federal Aviation Administrator to clearly specify flight parameters approaching, within, and leaving military operational areas.

SUBMARINE MAINTENANCE SHORTFALLS

The Committee recognizes that the nuclear-capable public naval shipyards are backlogged with submarine maintenance work, while private nuclear-capable shipyards have underutilized capacity. The Los Angeles (SSN–688) class submarines are especially impacted by this backlog, which significantly reduces their operational availability for missions in support of combatant commanders. The Committee directs the Secretary of the Navy to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act that outlines a comprehensive, five-year submarine maintenance plan that restores submarine operational availability and fully utilizes both public and private nuclear-capable shipyards in accordance with all applicable laws. The plan should strive to provide both private and public shipyards with predictable frequency of maintenance availabilities and estimate any potential cost savings that distributing the workload may deliver.

ADDITIVE TECHNOLOGY FOR SUSTAINMENT OF NAVY ASSETS

The use of high-pressure cold spray technology to repair previously un-repairable assets may be an effective way to reduce maintenance costs. This technology is capable of applying new metal to highly worn or corroded metal surfaces without damaging the base metal. The Committee encourages the Secretary of the Navy to assess this technology for potential use as a new repair process.

PUBLIC SHIPYARDS

Norfolk Naval Shipyard, Pearl Harbor Naval Shipyard, Portsmouth Naval Shipyard, and Puget Sound Naval Shipyard each play a vital role in the Navy's success, conducting the depot maintenance and repairs that are crucial for the Navy to operate safely at sea. The Navy's public shipyards, as well as the Navy's piers, docks, and underwater ranges, require facility improvements and modernization to ensure continuity of performance for fleet maintenance schedules. Facility upgrades and modernization will increase safety for federal employees and contribute to the readiness of the fleet. As such, the Committee recommendation includes additional funding for the Navy's Facilities Sustainment, Restoration and Modernization sub-activity.

AEGIS ASHORE POLAND

The Committee recognizes that the Aegis Ashore in Redzikowo, Poland will provide critical missile defense capability to defend deployed forces, allies, and partners from ballistic missile threats.

The site will be manned and operated by sailors on rotating, unaccompanied tours. The Committee provides for the use of up to $150,000 of Operation and Maintenance, Navy funding to maintain the current containerized handling units on site in Poland for housing.

The Committee directs the Secretary of the Navy to provide a report to the congressional defense committees not later than 60 days after the enactment of this Act on options to improve long-term housing for sailors at the Aegis Ashore Poland site, including estimated costs and schedule for completing the possible improvements.

OPERATION AND MAINTENANCE, MARINE CORPS

Fiscal year 2018 appropriation	$6,605,546,000
Fiscal year 2019 budget request	6,832,510,000
Committee recommendation	6,824,269,000
Change from budget request	−8,241,000

The Committee recommends an appropriation of $6,824,269,000 for Operation and Maintenance, Marine Corps which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, MARINE CORPS			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATIONAL FORCES	873,320	875,835	+2,515
20	FIELD LOGISTICS	1,094,187	1,044,187	-50,000
30	DEPOT MAINTENANCE	314,182	314,182	---
	USMC PREPOSITIONING			
40	MARITIME PREPOSITIONING	98,136	94,555	-3,581
	COMBAT OPERATIONS/SUPPORT			
50	CYBERSPACE ACTIVITIES	183,546	183,546	---
	BASE SUPPORT			
60	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	832,636	912,636	+80,000
70	BASE OPERATING SUPPORT	2,151,390	2,112,390	-39,000
	TOTAL, BUDGET ACTIVITY 1	5,547,397	5,537,331	-10,066
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
80	RECRUIT TRAINING	16,453	16,453	---
90	OFFICER ACQUISITION	1,144	1,144	---
	BASIC SKILLS AND ADVANCED TRAINING			
100	SPECIALIZED SKILLS TRAINING	106,360	102,235	-4,125
110	PROFESSIONAL DEVELOPMENT EDUCATION	46,096	46,096	---
120	TRAINING SUPPORT	389,751	389,751	---
	RECRUITING AND OTHER TRAINING EDUCATION			
130	RECRUITING AND ADVERTISING	201,662	196,662	-5,000
140	OFF-DUTY AND VOLUNTARY EDUCATION	32,461	32,461	---
150	JUNIOR ROTC	24,217	24,217	---
	TOTAL, BUDGET ACTIVITY 3	818,144	809,019	-9,125

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
160	SERVICEWIDE TRANSPORTATION	29,735	29,735	---
170	ADMINISTRATION	386,375	376,375	-10,000
	SECURITY PROGRAMS			
	SECURITY PROGRAMS	50,859	50,859	---
	TOTAL, BUDGET ACTIVITY 4	466,969	456,969	-10,000
	RESTORE READINESS	---	54,000	+54,000
	HISTORICAL UNOBLIGATION	---	-33,050	-33,050
	TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS	6,832,510	6,824,269	-8,241

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
1A1A OPERATIONAL FORCES	**873,320**	**875,835**	**2,515**
Excess growth		-2,486	
Marine hearing enhancement and protection		5,000	
1A2A FIELD LOGISTICS	**1,094,187**	**1,044,187**	**-50,000**
Fiscal year 2018 decrease not properly accounted		-50,000	
1B1B MARITIME PREPOSITIONING	**98,136**	**94,555**	**-3,581**
Unjustified growth		-3,581	
BSM1 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**832,636**	**912,636**	**80,000**
Program increase		80,000	
BSS1 BASE OPERATING SUPPORT	**2,151,390**	**2,112,390**	**-39,000**
Fiscal year 2018 decrease not properly accounted		-39,000	
3B1D SPECIALIZED SKILLS TRAINING	**106,360**	**102,235**	**-4,125**
Excess growth		-4,125	
3C1F RECRUITING AND ADVERTISING	**201,662**	**196,662**	**-5,000**
Fiscal year 2018 decrease not properly accounted		-5,000	
4A4G ADMINISTRATION	**386,375**	**376,375**	**-10,000**
Fiscal year 2018 decrease not properly accounted		-10,000	
HISTORICAL UNOBLIGATION		**-33,050**	**-33,050**
RESTORE READINESS		**54,000**	**54,000**

OPERATION AND MAINTENANCE, AIR FORCE

Fiscal year 2018 appropriation	$39,544,193,000
Fiscal year 2019 budget request	42,060,568,000
Committee recommendation	41,465,107,000
Change from budget request	−595,461,000

The Committee recommends an appropriation of $41,465,107,000 for Operation and Maintenance, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, AIR FORCE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES	758,178	725,678	-32,500
20	COMBAT ENHANCEMENT FORCES	1,509,027	1,227,027	-282,000
30	AIR OPERATIONS TRAINING	1,323,330	1,323,330	---
40	DEPOT MAINTENANCE	3,511,830	3,536,670	+24,840
50	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	2,892,705	3,132,705	+240,000
60	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	7,613,084	7,482,192	-130,892
70	FLYING HOUR PROGRAM	4,345,208	3,952,799	-392,409
80	BASE OPERATING SUPPORT	5,989,215	6,025,115	+35,900
	COMBAT RELATED OPERATIONS			
90	GLOBAL C3I AND EARLY WARNING	928,023	928,023	---
100	OTHER COMBAT OPERATIONS SUPPORT PROGRAMS	1,080,956	1,080,956	---
110	CYBERSPACE ACTIVITIES	879,032	813,032	-66,000
	SPACE OPERATIONS			
130	LAUNCH FACILITIES	183,777	183,777	---
140	SPACE CONTROL SYSTEMS	404,072	404,072	---
	COCOM			
170	US NORTHCOM/NORAD	187,375	187,375	---
180	US STRATCOM	529,902	529,902	---
190	US CYBERCOM	329,474	329,474	---
200	US CENTCOM	166,024	166,024	---
210	US SOCOM	723	723	---
220	US TRANSCOM	535	535	---
	OPERATING FORCES CLASSIFIED PROGRAMS	1,164,810	1,164,810	---
	TOTAL, BUDGET ACTIVITY 1	33,797,280	33,194,219	-603,061

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
230	AIRLIFT OPERATIONS	1,307,695	1,242,695	-65,000
240	MOBILIZATION PREPAREDNESS	144,417	144,417	---
	TOTAL, BUDGET ACTIVITY 2	1,452,112	1,387,112	-65,000
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
280	OFFICER ACQUISITION	133,187	133,187	---
290	RECRUIT TRAINING	25,041	25,041	---
300	RESERVE OFFICER TRAINING CORPS (ROTC)	117,338	117,338	---
	BASIC SKILLS AND ADVANCED TRAINING			
330	SPECIALIZED SKILL TRAINING	401,996	401,996	---
340	FLIGHT TRAINING	477,064	477,064	---
350	PROFESSIONAL DEVELOPMENT EDUCATION	276,423	276,423	---
360	TRAINING SUPPORT	95,948	95,948	---
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
380	RECRUITING AND ADVERTISING	154,530	154,530	---
390	EXAMINING	4,132	4,132	---
400	OFF DUTY AND VOLUNTARY EDUCATION	223,150	218,150	-5,000
410	CIVILIAN EDUCATION AND TRAINING	209,497	202,624	-6,873
420	JUNIOR ROTC	59,908	59,908	---
	TOTAL, BUDGET ACTIVITY 3	2,178,214	2,166,341	-11,873

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
430	LOGISTICS OPERATIONS	681,788	681,788	---
440	TECHNICAL SUPPORT ACTIVITIES	117,812	117,812	---
	SERVICEWIDE ACTIVITIES			
480	ADMINISTRATION	953,102	903,102	-50,000
490	SERVICEWIDE COMMUNICATIONS	358,389	424,389	+66,000
500	OTHER SERVICEWIDE ACTIVITIES	1,194,862	1,194,862	---
510	CIVIL AIR PATROL CORPORATION	29,594	33,600	+4,006
	SUPPORT TO OTHER NATIONS			
530	INTERNATIONAL SUPPORT	74,959	74,959	---
	SECURITY PROGRAMS			
	SECURITY PROGRAMS	1,222,456	1,220,456	-2,000
	TOTAL, BUDGET ACTIVITY 4	4,632,962	4,650,968	+18,006
	RESTORE READINESS	---	300,000	+300,000
	HISTORICAL UNOBLIGATION	---	-193,533	-193,533
	OVERESTIMATION OF CIVILIAN FTE	---	-40,000	-40,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE	42,060,568	41,465,107	-595,461

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
011A PRIMARY COMBAT FORCES	**758,178**	**725,678**	**-32,500**
Insufficient justification - operational test flight		-25,000	
Insufficient justification - CCMD operations		-10,500	
Program increase - energy resiliency studies		3,000	
011C COMBAT ENHANCEMENT FORCES	**1,509,027**	**1,227,027**	**-282,000**
Programming error - BACN		-282,000	
011M DEPOT MAINTENANCE	**3,511,830**	**3,536,670**	**24,840**
Fiscal year 2018 decrease not properly accounted		-13,160	
Program increase - restoration of U-2		38,000	
011R FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**2,892,705**	**3,132,705**	**240,000**
Program increase		240,000	
11W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	**7,613,084**	**7,482,192**	**-130,892**
Excess growth		-130,892	
11Y FLYING HOUR PROGRAM	**4,345,208**	**3,952,799**	**-392,409**
Fiscal year 2018 decrease not properly accounted		-240,000	
Unjustified growth		-152,409	
011Z BASE SUPPORT	**5,989,215**	**6,025,115**	**35,900**
Program increase - Operational Camouflage Pattern		35,900	
012D CYBERSPACE ACTIVITIES	**879,032**	**813,032**	**-66,000**
Air Force requested transfer to SAG 42B		-66,000	
021A AIRLIFT OPERATIONS	**1,307,695**	**1,242,695**	**-65,000**
Fiscal year 2018 decrease not properly accounted		-65,000	
033C OFF-DUTY AND VOLUNTARY EDUCATION	**223,150**	**218,150**	**-5,000**
Fiscal year 2018 decrease not properly accounted		-5,000	
033D CIVILIAN EDUCATION AND TRAINING	**209,497**	**202,624**	**-6,873**
Excess growth		-6,873	
042A ADMINISTRATION	**953,102**	**903,102**	**-50,000**
Fiscal year 2018 decrease not properly accounted		-25,000	
Excess growth		-25,000	

O-1	Budget Request	Committee Recommended	Change from Request
042B SERVICEWIDE COMMUNICATIONS	358,389	424,389	66,000
Air Force requested transfer from SAG 12D		66,000	
042I CIVIL AIR PATROL	29,594	33,600	4,006
Program increase		4,006	
043A SECURITY PROGRAMS	1,222,456	1,220,456	-2,000
Classified adjustment		-2,000	
RESTORE READINESS		300,000	300,000
OVERESTIMATION OF CIVILIAN FTE TARGETS		-40,000	-40,000
HISTORICAL UNOBLIGATION		-193,533	-193,533

AIR EDUCATION AND TRAINING COMMAND

The Committee recognizes the adverse impact that flooding and other infrastructure challenges have had on Air Education and Training Command (AETC) facilities, equipment, operations, and training. The Committee also recognizes the steps that the Air Force has taken to begin mitigating the damage through multi-year projects. The Committee supports these efforts and encourages the Secretary of the Air Force to utilize a similar approach in addressing additional mitigation efforts at the AETC.

OPERATION AND MAINTENANCE, DEFENSE-WIDE

Fiscal year 2018 appropriation	$34,059,257,000
Fiscal year 2019 budget request	36,352,625,000
Committee recommendation	35,676,402,000
Change from budget request	−676,223,000

The Committee recommends an appropriation of $35,676,402,000 for Operation and Maintenance, Defense-Wide which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, DEFENSE-WIDE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
10	JOINT CHIEFS OF STAFF	430,215	425,215	-5,000
20	OFFICE OF THE SECRETARY OF DEFENSE	602,186	572,186	-30,000
40	SPECIAL OPERATIONS COMMAND	5,389,250	5,313,660	-75,590
	TOTAL, BUDGET ACTIVITY 1	6,421,651	6,311,061	-110,590
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
50	DEFENSE ACQUISITION UNIVERSITY	181,601	179,572	-2,029
60	JOINT CHIEFS OF STAFF RECRUITING, AND OTHER TRAINING AND EDUCATION	96,565	90,865	-5,700
70	SPECIAL OPERATIONS COMMAND	370,583	370,583	---
	TOTAL, BUDGET ACTIVITY 3	648,749	641,020	-7,729
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
80	CIVIL MILITARY PROGRAMS	166,131	220,808	+54,677
100	DEFENSE CONTRACT AUDIT AGENCY	625,633	616,144	-9,489
110	DEFENSE CONTRACT MANAGEMENT AGENCY	1,465,354	1,440,456	-24,898
120	DEFENSE HUMAN RESOURCES ACTIVITY	859,923	868,443	+8,520
130	DEFENSE INFORMATION SYSTEMS AGENCY	2,106,930	2,095,495	-11,435
150	DEFENSE LEGAL SERVICES AGENCY	27,403	27,403	---
160	DEFENSE LOGISTICS AGENCY	379,275	371,333	-7,942
170	DEFENSE MEDIA ACTIVITY	207,537	207,537	---
180	DEFENSE POW /MISSING PERSONS OFFICE	130,696	140,696	+10,000
190	DEFENSE SECURITY COOPERATION AGENCY	754,711	496,264	-258,447
200	DEFENSE SECURITY SERVICE	789,175	737,996	-51,179
220	DEFENSE TECHNOLOGY SECURITY AGENCY	34,951	34,951	---
230	DEFENSE THREAT REDUCTION AGENCY	553,329	553,329	---
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	2,892,284	2,877,334	-14,950

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
260	MISSILE DEFENSE AGENCY	499,817	473,667	-26,150
280	OFFICE OF ECONOMIC ADJUSTMENT	70,035	59,535	-10,500
290	OFFICE OF THE SECRETARY OF DEFENSE	1,519,655	1,517,655	-2,000
300	SPECIAL OPERATIONS COMMAND	97,787	97,787	---
310	WASHINGTON HEADQUARTERS SERVICES	456,407	414,696	-41,711
	OTHER PROGRAMS	15,645,192	15,415,792	-229,400
	TOTAL, BUDGET ACTIVITY 4	29,282,225	28,667,321	-614,904
	IMPACT AID	---	40,000	+40,000
	IMPACT AID FOR CHILDREN WITH DISABILITIES	---	10,000	+10,000
	PFOS/PFOA STUDIES AND ANALYSIS	---	7,000	+7,000
	TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE	36,352,625	35,676,402	-676,223

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
1PL1 JOINT CHIEFS OF STAFF	**430,215**	**425,215**	**-5,000**
Fiscal year 2018 decrease not properly accounted		-5,000	
1PL2 SPECIAL OPERATIONS COMMAND	**5,389,250**	**5,313,660**	**-75,590**
Excess civilian pay		-10,717	
Other operations - civilian FTE pricing		-3,600	
Other operations - identity management		-5,286	
Other operations - NSW CBRN defense		-12,185	
Other operations - Tactical local area network		-3,596	
Other operations - SPEAR		-4,368	
Combat development activities - classified adjustment		-8,429	
Intelligence - classified adjustment		-4,700	
SOCOM requested transfer to P,DW line 64		-13,735	
SOCOM requested transfer to P,DW line 68		-8,974	
1PL3 OFFICE OF THE SECRETARY OF DEFENSE	**602,186**	**572,186**	**-30,000**
Unjustified growth		-30,000	
3EV2 DEFENSE ACQUISITION UNIVERSITY	**181,601**	**179,572**	**-2,029**
Fiscal year 2018 decrease not properly accounted		-2,029	
3PL1 JOINT CHIEFS OF STAFF	**96,565**	**90,865**	**-5,700**
Unjustified growth		-5,700	
4GT3 CIVIL MILITARY PROGRAMS	**166,131**	**220,808**	**54,677**
Program increase - National Guard Youth Challenge		24,677	
Program increase - STARBASE		30,000	
4GT6 DEFENSE CONTRACT AUDIT AGENCY	**625,633**	**616,144**	**-9,489**
Fiscal year 2018 decrease not properly accounted		-9,489	
4GTO DEFENSE CONTRACT MANAGEMENT AGENCY	**1,465,354**	**1,440,456**	**-24,898**
Fiscal year 2018 decrease not properly accounted		-20,525	
Personnel excess growth		-3,441	
PCS excess growth		-932	
4GT8 DEFENSE HUMAN RESOURCES AGENCY	**859,923**	**868,443**	**8,520**
Fiscal year 2018 decrease not properly accounted		-20,000	
Unjustified growth		-6,480	
Program increase - Special Victims' Counsel		35,000	

O-1	Budget Request	Committee Recommended	Change from Request
4GT9 DEFENSE INFORMATION SYSTEMS AGENCY	**2,106,930**	**2,095,495**	**-11,435**
Fiscal year 2018 decrease not properly accounted		-10,000	
Overestimation of need		-2,000	
Excess growth		-1,935	
Program increase - joint regional security stack		2,500	
4GTB DEFENSE LOGISTICS AGENCY	**379,275**	**371,333**	**-7,942**
Fiscal year 2018 decrease not properly accounted		-25,717	
Program increase - Procurement Technical Assistance Program		17,775	
4GTC DEFENSE POW/MIA ACCOUNTING AGENCY	**130,696**	**140,696**	**10,000**
Program increase - Southeast Asia		10,000	
4GTD DEFENSE SECURITY COOPERATION AGENCY	**754,711**	**496,264**	**-258,447**
Management, Infrastructure, and Workforce Development	**42,383**	**39,383**	**-3,000**
Program reduction - excess growth not to be reduced from audit readiness		-3,000	
Build the Capacity of Foreign Security Forces	**457,205**	**300,000**	**-157,205**
AFRICOM insufficient budget justification		-5,000	
Program reduction - maintain level of effort		-152,205	
Southeast Asia Maritime Security Initiative	**98,242**	**0**	**-98,242**
Program reduction		-48,242	
INDOPACOM BPC - transfer to title IX		-50,000	
4GTE DEFENSE SECURITY SERVICE	**789,175**	**737,996**	**-51,179**
WCF early to need		-30,000	
Program excess growth		-14,000	
Personnel excess growth		-3,179	
Microelectronics program decrease		-4,000	
4GTJ DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	**2,892,284**	**2,877,334**	**-14,950**
Fiscal year 2018 decrease not properly accounted		-16,250	
Funding ahead of need		-1,200	
Program increase - autism spectrum disorder		2,500	
011A MISSILE DEFENSE AGENCY	**499,817**	**473,667**	**-26,150**
Re-baselining of requirements		-26,150	
4GTM OFFICE OF ECONOMIC ADJUSTMENT	**70,035**	**59,535**	**-10,500**
Infrastructure improvements program decrease		-10,500	
4GTN OFFICE OF THE SECRETARY OF DEFENSE	**1,519,655**	**1,517,655**	**-2,000**
Studies and analysis excess growth		-9,000	
Program increase - information assurance scholarship program		7,000	

O-1	Budget Request	Committee Recommended	Change from Request
4GTQ WASHINGTON HEADQUARTERS SERVICES	456,407	414,696	-41,711
Fiscal year 2018 decrease not properly accounted		-15,600	
DIUx mission unjustified growth		-23,249	
DIUx personnel unjustified growth		-2,862	
999 OTHER PROGRAMS	15,645,192	15,415,792	-229,400
Classified adjustment		-229,400	
DEFENSE INSTALLATIONS PFOS/PFOA EXPOSURE ASSESSEMENT		7,000	7,000
PROGRAM INCREASE - IMPACT AID		40,000	40,000
PROGRAM INCREASE - IMPACT AID for children with disabilities		10,000	10,000

PFOS/PFOA EXPOSURE ASSESSMENT

The Committee continues to be concerned about potential perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) contamination on military installations. The Committee recommends $7,000,000 for an exposure assessment, which shall be limited to current or former domestic military installations known to have PFOS/PFOA contamination in drinking water, ground water, and any other sources of water and relevant exposure pathways. The Committee directs the Assistant Secretary of Defense (Energy, Installations, and Environment) to provide a report to the House and Senate Appropriations Committees not later than 30 days after the enactment of this Act on the Department's strategy to execute this funding.

DEFENSE COMMISSARY AGENCY

The Department of Defense recently announced its intention to begin the sale of beer and wine in defense commissaries. The Committee supports this decision as a measure to increase customer convenience and satisfaction. However, the Committee notes that the sale of distilled spirits is not included in the new policy. Since military commissary stores are intended to be similar to commercial grocery stores and roughly half of States legally sell distilled spirits in grocery stores, the Committee believes that the Department should have explored this option to further improve customer convenience at all military commissaries. The Committee directs the Undersecretary of Defense (Personnel and Readiness) to review the policy for sale of alcohol at military commissaries and submit a report to the House and Senate Appropriations Committees not later than 90 days after the enactment of this Act on the decisions which led to the exclusion of distilled spirits and whether the Department will re-consider its decision to restrict the sale of distilled spirits in military commissaries.

AUTISM SPECTRUM DISORDER

The Department of Defense Education Activity (DODEA) provides school-aged children of military families, including those students with Autism Spectrum Disorder (ASD), a high level of education that prepares them for postsecondary education and career success. To facilitate communication and social skills development, the Committee encourages the Director of DODEA to utilize new technologies and clinically tested curriculums to improve social skills and generate positive educational outcomes in students with ASD.

MEALS READY-TO-EAT WAR RESERVE

The Committee recommendation fully supports the fiscal year 2019 request for the Defense Logistics Agency to maintain 2,500,000 cases of meals ready-to-eat and reaffirms support for the War Reserve stock objective of 5,000,000 cases.

YOUTH SERVING ORGANIZATIONS

The Committee recognizes the sacrifices made by servicemembers and their families and supports the many organi-

zations around the world that provide assistance to them. These organizations provide comfort, hope, and healing to affected military families. The Committee encourages the Secretary of Defense to consider programs that support attendance at camps, or camp-like settings, of children of military families who have experienced the death of a family member or other loved one or who have a family member living with a substance abuse disorder or post-traumatic stress disorder.

JOINT REGIONAL SECURITY STACKS

The Committee recognizes the ongoing efforts of the Defense Information Systems Agency (DISA) to protect sensitive government data from unauthorized access and disclosure. Deployment of DISA's Joint Regional Security Stacks is expected to improve the security, effectiveness, and efficiency of the Department of Defense Information Network. The Committee encourages the Director of DISA to assess whether a center stack architecture could improve how network traffic is delivered to cybersecurity tool components.

QUALITY ASSURANCE

The Department of Defense does not have an established quality management policy to ensure the consistent application of quality management system requirements across all Departmental components. The Committee encourages the Secretary of Defense to establish an overarching quality management policy and to study the merits of requiring suppliers and contractors to adopt electronic quality management systems platforms that provide for the complete traceability of all components, assemblies, and finished products.

EDUCATIONAL OPPORTUNITIES ON THE COTENTIN PENINSULA

The Committee recognizes the significance of the upcoming 75th anniversary of Operation Overlord, the allied invasion of Normandy, France. Normandy, and specifically the Cotentin Peninsula, is hallowed ground where thousands of allied military members sacrificed their lives to bring freedom and peace to the European continent. The Committee supports efforts to develop an education program on the Cotentin Peninsula as a location to grow global partnerships, strengthen alliances, and understand the enduring legacy of the allied invasion of Normandy. The Committee encourages the Secretary of Defense to evaluate ways in which the Department can support these efforts.

SEXUAL ASSAULT AND JUVENILE JUSTICE

The Committee is concerned by reports of sexual assault and harassment among students at schools managed by the Department of Defense Education Activity. Local government officials do not have uniformly established jurisdiction when dealing with criminal offenses of juvenile members of the military community on domestic military installations. The Committee directs the Secretary of Defense, in conjunction with the Department of Justice, to explore opportunities to establish memorandums of understanding with state and local prosecutors to adjudicate juvenile

criminal cases when the alleged offenses occurred within the boundaries of a military installation. The Committee directs the Secretary of Defense to provide a report to the congressional defense committees not later than 120 days after the enactment of this Act which details efforts to establish memorandums of understanding, successes and challenges with implementation, whether additional authorities are necessary to address this problem, actions that each Department is taking to address, respond to, and prevent sexual assault cases, and each Department's strategy related to misconduct by such juveniles.

DEFENSE LOGISTICS AGENCY

The Committee directs the Director of the Defense Logistics Agency (DLA) to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act that describes the business practice for acquiring spare parts, the database utilized by DLA to track inventory processed within DLA, the system used by DLA to account for interdepartmental purchase requests, the efforts made by DLA to maximize savings across the Department of Defense, and any better business practices adopted in fiscal years 2016 and 2017.

SPECIAL OPERATIONS COMMAND PRE-DEPLOYMENT TRAINING

The Committee recognizes the importance of pre-deployment training for all Special Operations Forces operators. The recent 15–6 investigation regarding the events in Niger noted deficiencies in pre-deployment training contributed to the tragic events on October 4, 2017. The Committee recommends fully funding training for the Special Operations Command and expects the resource level will be sufficient. The Committee will continue to monitor the training requirements and will adjust funding levels as necessary prior to enactment.

OPERATION AND MAINTENANCE, ARMY RESERVE

Fiscal year 2018 appropriation	$2,877,104,000
Fiscal year 2019 budget request	2,916,909,000
Committee recommendation	2,877,402,000
Change from budget request	−39,507,000

The Committee recommends an appropriation of $2,877,402,000 for Operation and Maintenance, Army Reserve which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, ARMY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MODULAR SUPPORT BRIGADES	13,867	9,867	-4,000
20	ECHELONS ABOVE BRIGADES	536,438	516,438	-20,000
30	THEATER LEVEL ASSETS	113,225	113,225	---
40	LAND FORCES OPERATIONS SUPPORT	551,141	551,141	---
50	AVIATION ASSETS	89,073	84,073	-5,000
	LAND FORCES READINESS			
60	FORCES READINESS OPERATIONS SUPPORT	409,531	409,531	---
70	LAND FORCES SYSTEM READINESS	101,411	101,411	---
80	DEPOT MAINTENANCE	60,114	50,114	-10,000
	LAND FORCES READINESS SUPPORT			
90	BASE OPERATIONS SUPPORT	595,728	577,728	-18,000
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	304,658	344,658	+40,000
110	MANAGEMENT AND OPERATIONS HEADQUARTERS	22,175	22,175	---
	TOTAL, BUDGET ACTIVITY 1	2,797,361	2,780,361	-17,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
120	SERVICEWIDE TRANSPORTATION	11,832	11,832	---
130	ADMINISTRATION	18,218	18,218	---
140	SERVICEWIDE COMMUNICATIONS	25,069	25,069	---
150	PERSONNEL/FINANCIAL ADMINISTRATION	6,248	6,248	---
160	RECRUITING AND ADVERTISING	58,181	58,181	---
	TOTAL, BUDGET ACTIVITY 4	119,548	119,548	---
	RESTORE READINESS	---	10,000	+10,000
	HISTORICAL UNOBLIGATION	---	-32,507	-32,507
	TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	2,916,909	2,877,402	-39,507

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
112 MODULAR SUPPORT BRIGADES	13,867	9,867	-4,000
Fiscal year 2018 decrease not properly accounted		-4,000	
113 ECHELONS ABOVE BRIGADES	536,438	516,438	-20,000
Fiscal year 2018 decrease not properly accounted		-20,000	
116 AVIATION ASSETS	89,073	84,073	-5,000
Fiscal year 2018 decrease not properly accounted		-5,000	
123 DEPOT MAINTENANCE	60,114	50,114	-10,000
Fiscal year 2018 decrease not properly accounted		-10,000	
131 BASE OPERATIONS SUPPORT	595,728	577,728	-18,000
Fiscal year 2018 decrease not properly accounted		-18,000	
132 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	304,658	344,658	40,000
Program increase		40,000	
RESTORE READINESS		10,000	10,000
HISTORICAL UNOBLIGATION		-32,507	-32,507

OPERATION AND MAINTENANCE, NAVY RESERVE

Fiscal year 2018 appropriation	$1,069,707,000
Fiscal year 2019 budget request	1,027,006,000
Committee recommendation	1,019,966,000
Change from budget request	−7,040,000

The Committee recommends an appropriation of $1,019,966,000 for Operation and Maintenance, Navy Reserve which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, NAVY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	RESERVE AIR OPERATIONS			
10	MISSION AND OTHER FLIGHT OPERATIONS	569,584	546,584	-23,000
20	INTERMEDIATE MAINTENANCE	6,902	6,902	---
30	AIRCRAFT DEPOT MAINTENANCE	109,776	109,776	---
40	AIRCRAFT DEPOT OPERATIONS SUPPORT	538	538	---
50	AVIATION LOGISTICS	18,888	18,888	---
	RESERVE SHIP OPERATIONS			
60	SHIP OPERATIONAL SUPPORT AND TRAINING	574	574	---
	RESERVE COMBAT OPERATIONS SUPPORT			
70	COMBAT COMMUNICATIONS	17,561	17,561	---
80	COMBAT SUPPORT FORCES	121,070	119,030	-2,040
90	CYBERSPACE ACTIVITIES	337	337	---
	RESERVE WEAPONS SUPPORT			
100	ENTERPRISE INFORMATION TECHNOLOGY	23,964	23,964	---
	BASE OPERATING SUPPORT			
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	36,356	52,356	+16,000
120	BASE OPERATING SUPPORT	103,562	103,562	---
	TOTAL, BUDGET ACTIVITY 1	1,009,112	1,000,072	-9,040
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
130	ADMINISTRATION	1,868	1,868	---
140	MILITARY MANPOWER & PERSONNEL	12,849	12,849	---
160	ACQUISITION AND PROGRAM MANAGEMENT	3,177	3,177	---
	TOTAL, BUDGET ACTIVITY 4	17,894	17,894	---
	RESTORE READINESS	---	2,000	+2,000
	TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	1,027,006	1,019,966	-7,040

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
1A1A MISSION AND OTHER FLIGHT OPERATIONS	**569,584**	**546,584**	**-23,000**
Fiscal year 2018 decrease not properly accounted		-23,000	
1C6C COMBAT SUPPORT FORCES	**121,070**	**119,030**	**-2,040**
Insufficient budget justification		-2,040	
BSMR FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**36,356**	**52,356**	**16,000**
Program increase		16,000	
RESTORE READINESS		**2,000**	**2,000**

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

Fiscal year 2018 appropriation	$284,837,000
Fiscal year 2019 budget request	271,570,000
Committee recommendation	281,570,000
Change from budget request	+10,000,000

The Committee recommends an appropriation of $281,570,000 for Operation and Maintenance, Marine Corps Reserve which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, MARINE CORPS RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATING FORCES	99,173	99,173	---
20	DEPOT MAINTENANCE	19,430	19,430	---
30	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	39,962	47,962	+8,000
40	BASE OPERATING SUPPORT	101,829	101,829	---
	TOTAL, BUDGET ACTIVITY 1	260,394	268,394	+8,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
60	ADMINISTRATION	11,176	11,176	---
	TOTAL, BUDGET ACTIVITY 4	11,176	11,176	---
	RESTORE READINESS	---	2,000	+2,000
	TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	271,570	281,570	+10,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
BSM1 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	39,962	47,962	8,000
Program increase		8,000	
RESTORE READINESS		2,000	2,000

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

Fiscal year 2018 appropriation	$3,202,307,000
Fiscal year 2019 budget request	3,260,234,000
Committee recommendation	3,212,234,000
Change from budget request	−48,000,000

The Committee recommends an appropriation of $3,212,234,000 for Operation and Maintenance, Air Force Reserve which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, AIR FORCE RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES	1,853,437	1,788,437	-65,000
20	MISSION SUPPORT OPERATIONS	205,369	205,369	---
30	DEPOT MAINTENANCE	345,576	345,576	---
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	120,736	136,736	+16,000
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	241,239	241,239	---
60	BASE OPERATING SUPPORT	385,922	385,922	---
	TOTAL, BUDGET ACTIVITY 1	3,152,279	3,103,279	-49,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
70	ADMINISTRATION	71,188	71,188	---
80	RECRUITING AND ADVERTISING	19,429	18,429	-1,000
90	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	9,386	9,386	---
100	OTHER PERSONNEL SUPPORT	7,512	7,512	---
110	AUDIOVISUAL	440	440	---
	TOTAL, BUDGET ACTIVITY 4	107,955	106,955	-1,000
	RESTORE READINESS	---	2,000	+2,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE	3,260,234	3,212,234	-48,000

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
011A PRIMARY COMBAT FORCES	**1,853,437**	**1,788,437**	**-65,000**
Fiscal year 2018 decrease not properly accounted		-50,000	
Unjustified growth		-15,000	
011R FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**120,736**	**136,736**	**16,000**
Program increase		16,000	
042J RECRUITING AND ADVERTISING	**19,429**	**18,429**	**-1,000**
Fiscal year 2018 decrease not properly accounted		-1,000	
RESTORE READINESS		**2,000**	**2,000**

BIRD STRIKE INCIDENTS

The Committee is concerned that several Air Force Reserve Command (AFRC) facilities are susceptible to bird strike incidents due to poor drainage or as a result of drainage systems that are ill-equipped to manage water. Given the risk to loss of life and property, the Committee encourages the Secretary of the Air Force to prioritize operation and maintenance funding to installations with unfinished earthen drainage channels to ensure the ability of the AFRC to achieve its mission objectives.

OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

Fiscal year 2018 appropriation	$7,284,170,000
Fiscal year 2019 budget request	7,399,295,000
Committee recommendation	7,329,771,000
Change from budget request	−69,524,000

The Committee recommends an appropriation of $7,329,771,000 for Operation and Maintenance, Army National Guard which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	810,269	776,495	-33,774
20	MODULAR SUPPORT BRIGADES	193,402	185,402	-8,000
30	ECHELONS ABOVE BRIGADE	753,815	755,815	+2,000
40	THEATER LEVEL ASSETS	84,124	84,124	---
50	LAND FORCES OPERATIONS SUPPORT	31,881	31,881	---
60	AVIATION ASSETS	973,874	973,874	---
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	784,086	785,586	+1,500
80	LAND FORCES SYSTEMS READINESS	51,353	51,353	---
90	LAND FORCES DEPOT MAINTENANCE	221,633	221,633	---
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT	1,129,942	1,114,942	-15,000
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	919,947	999,947	+80,000
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,010,524	1,002,059	-8,465
	TOTAL, BUDGET ACTIVITY 1	6,964,850	6,983,111	+18,261
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
130	SERVICEWIDE TRANSPORTATION	10,017	10,017	---
140	ADMINISTRATION	72,746	75,686	+2,940
150	SERVICEWIDE COMMUNICATIONS	83,105	83,105	---
160	MANPOWER MANAGEMENT	10,678	10,678	---
170	RECRUITING AND ADVERTISING	254,753	254,753	---
180	REAL ESTATE MANAGEMENT	3,146	3,146	---
	TOTAL, BUDGET ACTIVITY 4	434,445	437,385	+2,940
	RESTORE READINESS	---	20,000	+20,000
	HISTORICAL UNOBLIGATION	---	-110,725	-110,725
	TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	7,399,295	7,329,771	-69,524

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
111 MANEUVER UNITS	**810,269**	**776,495**	**-33,774**
Fiscal year 2018 decrease not properly accounted		-20,000	
Training excess growth		-11,169	
Transportation excess growth		-2,605	
112 MODULAR SUPPORT BRIGADES	**193,402**	**185,402**	**-8,000**
Fiscal year 2018 decrease not properly accounted		-8,000	
113 ECHELONS ABOVE BRIGADE	**753,815**	**755,815**	**2,000**
Program increase - training and operational support of the southwest border		2,000	
121 FORCE READINESS OPERATIONS SUPPORT	**784,086**	**785,586**	**1,500**
Program increase - cyber protection teams		500	
Program increase - expanded training environment		1,000	
131 BASE OPERATIONS SUPPORT	**1,129,942**	**1,114,942**	**-15,000**
Fiscal year 2018 decrease not properly accounted		-15,000	
132 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**919,947**	**999,947**	**80,000**
Program increase		80,000	
133 MANAGEMENT AND OPERATIONAL HEADQUARTERS	**1,010,524**	**1,002,059**	**-8,466**
Fiscal year 2018 decrease not properly accounted		-5,000	
Excess growth		-3,466	
431 ADMINISTRATION	**72,746**	**75,686**	**2,940**
Program increase - State Partnership Program		2,940	
RESTORE READINESS		**20,000**	**20,000**
HISTORICAL UNOBLIGATION		**-110,725**	**-110,725**

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

Fiscal year 2018 appropriation	$6,900,798,000
Fiscal year 2019 budget request	6,427,622,000
Committee recommendation	6,438,162,000
Change from budget request	+10,540,000

The Committee recommends an appropriation of $6,438,162,000 for Operation and Maintenance, Air National Guard which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	AIRCRAFT OPERATIONS	2,619,940	2,579,940	-40,000
20	MISSION SUPPORT OPERATIONS	623,265	623,805	+540
30	DEPOT MAINTENANCE	748,287	748,287	---
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	303,792	343,792	+40,000
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,061,759	1,061,759	---
60	BASE OPERATING SUPPORT	988,333	988,333	---
	TOTAL, BUDGET ACTIVITY 1	6,345,376	6,345,916	+540
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE ACTIVITIES			
70	ADMINISTRATION	45,711	45,711	---
80	RECRUITING AND ADVERTISING	36,535	36,535	---
	TOTAL, BUDGET ACTIVITY 4	82,246	82,246	---
	RESTORE READINESS	---	10,000	+10,000
	TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD	6,427,622	6,438,162	+10,540

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
011F AIRCRAFT OPERATIONS	**2,619,940**	**2,579,940**	**-40,000**
Unjustified program growth		-40,000	
011G MISSION SUPPORT OPERATIONS	**623,265**	**623,805**	**540**
Program increase - State Partnership Program		540	
011R FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**303,792**	**343,792**	**40,000**
Program increase		40,000	
RESTORE READINESS		**10,000**	**10,000**

UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES

Fiscal year 2018 appropriation	$14,538,000
Fiscal year 2019 budget request	14,662,000
Committee recommendation	14,662,000
Change from budget request	– – –

The Committee recommends an appropriation of $14,662,000 for the United States Court of Appeals for the Armed Forces.

ENVIRONMENTAL RESTORATION, ARMY

Fiscal year 2018 appropriation	$235,809,000
Fiscal year 2019 budget request	203,449,000
Committee recommendation	235,809,000
Change from budget request	+32,360,000

The Committee recommends an appropriation of $235,809,000 for Environmental Restoration, Army.

ENVIRONMENTAL RESTORATION, NAVY

Fiscal year 2018 appropriation	$365,883,000
Fiscal year 2019 budget request	329,253,000
Committee recommendation	365,883,000
Change from budget request	+36,630,000

The Committee recommends an appropriation of $365,883,000 for Environmental Restoration, Navy.

ENVIRONMENTAL RESTORATION, AIR FORCE

Fiscal year 2018 appropriation	$352,549,000
Fiscal year 2019 budget request	296,808,000
Committee recommendation	376,808,000
Change from budget request	+80,000,000

The Committee recommends an appropriation of $376,808,000 for Environmental Restoration, Air Force.

GRANULAR ACTIVATED CARBON

The Committee is concerned by actual and potential incidents of contaminated drinking water on and around military bases. The Committee understands that in more than one instance, the Services' use of firefighting foam during training exercises may have caused perfluorinated chemicals (PFCs) to enter the ground and drinking water supply. The Committee recognizes that using granular activated carbon is an effective way of removing PFCs from ground water and drinking water and encourages the Secretary of the Air Force to explore the use of granular activated carbon for the removal of PFCs that impact environmental and human health standards at all Air Force bases.

ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

Fiscal year 2018 appropriation	$19,002,000
Fiscal year 2019 budget request	8,926,000
Committee recommendation	19,002,000
Change from budget request	+10,076,000

The Committee recommends an appropriation of $19,002,000 for Environmental Restoration, Defense-Wide.

ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

Fiscal year 2018 appropriation	$248,673,000
Fiscal year 2019 budget request	212,346,000
Committee recommendation	248,673,000
Change from budget request	+36,327,000

The Committee recommends an appropriation of $248,673,000 for Environmental Restoration, Formerly Used Defense Sites.

OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

Fiscal year 2018 appropriation	$129,900,000
Fiscal year 2019 budget request	107,663,000
Committee recommendation	117,663,000
Change from budget request	+10,000,000

The Committee recommends an appropriation of $117,663,000 for Overseas Humanitarian, Disaster, and Civic Aid. Specifically, $10,000,000 is provided as a program increase for the Humanitarian Mine Action Program, of which $7,000,000 is for activities in Southeast Asia.

COOPERATIVE THREAT REDUCTION ACCOUNT

Fiscal year 2018 appropriation	$350,000,000
Fiscal year 2019 budget request	335,240,000
Committee recommendation	350,240,000
Change from budget request	+15,000,000

The Committee recommends an appropriation of $350,240,000 for the Cooperative Threat Reduction Account which will provide the following program in fiscal year 2019:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
COOPERATIVE THREAT REDUCTION ACCOUNT			
Strategic Offensive Arms Elimination	2,823	2,823	– – –
Chemical Weapons Destruction	5,446	5,446	– – –
Global Nuclear Security	29,001	44,001	15,000
Program increase—Global Nuclear Security		15,000	
Cooperative Biological Engagement	197,585	197,585	– – –
Proliferation Prevention	74,937	74,937	– – –
Other Assessments/Admin Costs	25,448	25,448	– – –
TOTAL, COOPERATIVE THREAT REDUCTION ACCOUNT	335,240	350,240	15,000

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT FUND

Fiscal year 2018 appropriation	$500,000,000
Fiscal year 2019 budget request	400,000,000
Committee recommendation	400,000,000
Change from budget request	– – –

The Committee recommends an appropriation of $400,000,000 for the Department of Defense Acquisition Workforce Development Fund which will provide the following program in fiscal year 2019:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
TRAINING AND DEVELOPMENT	230,600	230,600	– – –
RETENTION AND RECOGNITION	16,200	16,200	– – –
RECRUITING AND HIRING	153,200	153,200	– – –
TOTAL, DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT FUND	400,000	400,000	– – –

TITLE III

PROCUREMENT

The fiscal year 2019 Department of Defense procurement budget request totals $130,564,621,000. The Committee recommendation provides $133,040,027,000 for the procurement accounts. The table below summarizes the Committee recommendations:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
SUMMARY			
ARMY			
AIRCRAFT	3,782,558	4,103,942	+321,384
MISSILES	3,355,777	3,074,502	-281,275
WEAPONS AND TRACKED COMBAT VEHICLES	4,489,118	4,590,205	+101,087
AMMUNITION	2,234,761	2,255,323	+20,562
OTHER	7,999,529	7,683,632	-315,897
TOTAL, ARMY	21,861,743	21,707,604	-154,139
NAVY			
AIRCRAFT	19,041,799	20,107,195	+1,065,396
WEAPONS	3,702,393	3,555,587	-146,806
AMMUNITION	1,006,209	973,556	-32,653
SHIPS	21,871,437	22,708,767	+837,330
OTHER	9,414,355	9,093,835	-320,520
MARINE CORPS	2,860,410	2,647,569	-212,841
TOTAL, NAVY	57,896,603	59,086,509	+1,189,906
AIR FORCE			
AIRCRAFT	16,206,937	17,118,921	+911,984
MISSILES	2,669,454	2,591,982	-77,472
SPACE	2,527,542	2,388,642	-138,900
AMMUNITION	1,587,304	1,468,992	-118,312
OTHER	20,890,164	20,597,574	-292,590
TOTAL, AIR FORCE	43,881,401	44,166,111	+284,710
DEFENSE-WIDE			
DEFENSE-WIDE	6,786,271	6,711,225	-75,046
NATIONAL GUARD AND RESERVE EQUIPMENT	---	1,300,000	+1,300,000
DEFENSE PRODUCTION ACT PURCHASES	38,578	68,578	+30,000
JOINT URGENT OPERATIONAL NEEDS FUND	100,025	---	-100,025
TOTAL PROCUREMENT	130,564,621	133,040,027	+2,475,406

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Committee directs the Secretary of Defense 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 shall remain at $20,000,000 for procurement and $10,000,000 for research, development, test and evaluation.

Also, the Committee directs the Under Secretary of Defense (Comptroller) 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 the guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act, 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 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.

FUNDING INCREASES

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

PROCUREMENT SPECIAL INTEREST ITEMS

Items for which additional funds have been provided 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. These items remain special interest items whether or not they are repeated in a subsequent explanatory statement.

AIRCRAFT PROCUREMENT, ARMY

Fiscal year 2018 appropriation	$5,535,794,000
Fiscal year 2019 budget request	3,782,558,000
Committee recommendation	4,103,942,000
Change from budget request	+321,384,000

The Committee recommends an appropriation of $4,103,942,000 for Aircraft Procurement, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	AIRCRAFT PROCUREMENT, ARMY						
	AIRCRAFT						
	FIXED WING						
2	UTILITY F/W CARGO AIRCRAFT	---	744	---	744	---	---
3	MQ-1 UAV	---	43,326	4	103,326	+4	+60,000
4	RQ-11 (RAVEN)	---	46,416	---	46,416	---	---
	ROTARY						
6	UH-72 LAKOTA LIGHT UTILITY HELICOPTER	---	---	4	34,000	+4	+34,000
7	AH-64 APACHE BLOCK IIIA REMAN	48	753,248	48	672,975	---	-80,273
8	AH-64 APACHE BLOCK IIIA REMAN (AP-CY)	---	174,550	---	174,550	---	---
9	AH-64 APACHE BLOCK IIIB NEW BUILD	12	284,687	18	452,687	+6	+168,000
10	AH-64 APACHE BLOCK IIIB NEW BUILD (AP-CY)	---	58,600	---	58,600	---	---
11	UH-60 BLACKHAWK (MYP)	49	988,810	57	1,144,810	+8	+156,000
12	UH-60 BLACKHAWK (MYP) (AP-CY)	---	106,150	---	106,150	---	---
13	UH-60 BLACKHAWK A AND L MODELS	18	146,138	18	97,198	---	-48,940
14	CH-47 HELICOPTER	6	99,278	6	99,278	---	---
15	CH-47 HELICOPTER (AP-CY)	---	24,235	---	20,778	---	-3,457
	TOTAL, AIRCRAFT		2,726,182		3,011,512		+285,330
	MODIFICATION OF AIRCRAFT						
18	UNIVERSAL GROUND CONTROL EQUIPMENT	---	27,114	---	27,114	---	---
19	GRAY EAGLE MODS2	---	97,781	---	97,781	---	---
20	MULTI SENSOR ABN RECON (MIP)	---	52,274	---	66,274	---	+14,000
21	AH-64 MODS	---	104,996	---	104,996	---	---
22	CH-47 CARGO HELICOPTER MODS	---	7,807	---	27,807	---	+20,000
23	GRCS SEMA MODS (MIP)	---	5,573	---	5,573	---	---
24	ARL SEMA MODS (MIP)	---	7,522	---	7,522	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
25	EMARSS SEMA MODS (MIP)	---	20,448	---	20,448	---	---
26	UTILITY/CARGO AIRPLANE MODS	---	17,719	---	17,719	---	---
27	UTILITY HELICOPTER MODS	---	6,443	---	32,443	---	+26,000
28	NETWORK AND MISSION PLAN	---	123,614	---	112,746	---	-10,868
29	COMMS, NAV SURVEILLANCE	---	161,969	---	154,909	---	-7,060
30	DEGRADED VISUAL ENVIRONMENT	---	30,000	---	23,982	---	-6,018
31	GATM ROLLUP	---	26,848	---	26,848	---	---
32	RQ-7 UAV MODS	---	103,246	---	103,246	---	---
33	UAS MODS	---	17,644	---	17,644	---	---
	TOTAL, MODIFICATION OF AIRCRAFT		810,998		847,052		+36,054
	SUPPORT EQUIPMENT AND FACILITIES						
	GROUND SUPPORT AVIONICS						
34	AIRCRAFT SURVIVABILITY EQUIPMENT	---	57,170	---	57,170	---	---
35	SURVIVABILITY CM	---	5,853	---	5,853	---	---
36	CMWS	---	13,496	---	13,496	---	---
37	COMMON INFRARED COUNTERMEASURES	---	36,839	---	36,839	---	---
	OTHER SUPPORT						
38	AVIONICS SUPPORT EQUIPMENT	---	1,778	---	1,778	---	---
39	COMMON GROUND EQUIPMENT	---	34,818	---	34,818	---	---
40	AIRCREW INTEGRATED SYSTEMS	---	27,243	---	27,243	---	---
41	AIR TRAFFIC CONTROL	---	63,872	---	63,872	---	---
42	INDUSTRIAL FACILITIES	---	1,417	---	1,417	---	---
43	LAUNCHER, 2.75 ROCKET	---	1,901	---	1,901	---	---
44	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2	---	991	---	991	---	---
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES		245,378		245,378		---
	TOTAL, AIRCRAFT PROCUREMENT, ARMY		3,782,558		4,103,942		+321,384

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Committee Recommended	Change from Request
3 MQ-1 UAV	43,326	103,326	60,000
Program increase - service life extension		60,000	
6 HELICOPTER, LIGHT UTILITY (LUH)	0	34,000	34,000
Program increase - four aircraft		34,000	
7 AH-64 APACHE BLOCK IIIA REMAN	753,248	672,975	-80,273
CFE cost growth		-3,260	
Program delays		-77,013	
9 AH-64 APACHE BLOCK IIIB NEW BUILD	284,687	452,687	168,000
Program increase - six aircraft for Army National Guard		168,000	
11 UH-60 BLACKHAWK M MODEL	988,810	1,144,810	156,000
Airframe unit cost savings from multiyear procurement contract		-7,235	
Program increase - eight aircraft for Army National Guard		156,000	
13 UH-60 BLACKHAWK A AND L MODELS	146,138	97,198	-48,940
UH-60V unit cost growth		-44,500	
Contract delay		-4,440	
15 CH-47 HELICOPTER (AP)	24,235	20,778	-3,457
Unit cost growth		-3,457	
20 MULTI SENSOR ABN RECON	52,274	66,274	14,000
Program increase - Guardrail unfunded requirement		14,000	
22 CH-47 CARGO HELICOPTER MODS	7,807	27,807	20,000
Program increase - improved vibration control system		20,000	
27 UTILITY HELICOPTER MODS	6,443	32,443	26,000
Program increase - UH-72 sustainability improvements		10,000	
Program increase - enhanced ballistic armor protection systems		10,000	
Program increase - UH-60 weight reduction		6,000	
28 NETWORK AND MISSION PLAN	123,614	112,746	-10,868
Aviation mission planning system ECP cost growth		-5,000	
Improved data modem cost growth		-5,868	
29 COMMS, NAV SURVEILLANCE	161,969	154,909	-7,060
EGI non-recurring ahead of need		-7,060	
30 DEGRADED VISUAL ENVIRONMENT	30,000	23,982	-6,018
Fielding funds ahead of need		-6,018	

AH–64 APACHE

The Committee is aware that the Army is reviewing a decision to increase the size of the four Army National Guard AH–64 Apache battalions from 18 to 24 aircraft, and that as a result, the acquisition objective for Apache aircraft will increase. The Committee supports such an increase to maximize the operational availability and lethality of the Army's Apache fleet. The Committee further notes that the Department of Defense Appropriations Act, 2018, fully funded the Army's pre-existing acquisition objective for new build Apache aircraft. The fiscal year 2019 request, which was submitted prior to the final appropriation for fiscal year 2018, included a request for 12 new build aircraft. The Committee recommends an increase of six aircraft above the budget request and designates 12 of the 18 total aircraft for the Army National Guard in order to accelerate the enhancement of the Guard's Apache battalions. The remaining six aircraft are available to the Army for fleet management and replacement of recent operational losses. The Committee directs the Secretary of the Army to provide a report to the congressional defense committees on its plans with respect to increasing the size of Army National Guard Apache battalions not later than September 30, 2018.

APACHE UPGRADES

The Committee is aware that the Army has sought information from industry on the state of technology that could be incorporated into a potential materiel solution for replacement of the targeting and pilotage sensor systems on the AH–64 Apache. The Committee encourages the Secretary of the Army to pursue upgrades to the Apache mission systems in order to close existing capability gaps and mature technology which may be adaptable for the Future Vertical Lift program. The Committee further encourages the Secretary of the Army to acquire these system upgrades using full and open competition.

UH–60M BLACK HAWK

To accelerate the recapitalization of the Army National Guard's UH–60A fleet, the Committee recommends an increase of eight UH–60M Black Hawk aircraft above the budget request of 50, and designates not fewer than 15 of the 58 total aircraft for the Army National Guard.

MISSILE PROCUREMENT, ARMY

Fiscal year 2018 appropriation	$3,196,910,000
Fiscal year 2019 budget request	3,355,777,000
Committee recommendation	3,074,502,000
Change from budget request	−281,275,000

The Committee recommends an appropriation of $3,074,502,000 for Missile Procurement, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	MISSILE PROCUREMENT, ARMY						
	OTHER MISSILES						
	SURFACE-TO-AIR MISSILE SYSTEM						
1	LOWER TIER AIR AND MISSILE DEFENSE (AMD)	---	111,395	---	111,395	---	---
2	MSE MISSILE	179	871,276	179	871,276	---	---
3	INDIRECT FIRE PROTECTION CAPABILITY	---	145,636	---	141,918	---	-3,718
4	INDIRECT FIRE PROTECTION CAPABILITY (AP-CY)	---	31,286	---	---	---	-31,286
	AIR-TO-SURFACE MISSILE SYSTEM						
6	JOINT AIR-TO-GROUND MSLS (JAGM)	1,046	276,462	1,046	248,862	---	-27,600
	ANTI-TANK/ASSAULT MISSILE SYSTEM						
8	JAVELIN (AAWS-M) SYSTEM SUMMARY	709	303,665	709	219,665	---	-84,000
9	TOW 2 SYSTEM SUMMARY	1,472	105,014	1,472	102,014	---	-3,000
10	TOW 2 SYSTEM SUMMARY (AP-CY)	---	19,949	---	19,949	---	---
11	GUIDED MLRS ROCKET (GMLRS)	3,267	359,613	3,267	318,642	---	-40,971
12	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	2,214	20,964	2,214	20,964	---	---
	TOTAL, OTHER MISSILES		2,245,260		2,054,685		-190,575
	MODIFICATION OF MISSILES						
	MODIFICATIONS						
15	PATRIOT MODS	---	313,228	---	323,228	---	+10,000
16	ATACMS MODS	---	221,656	---	125,226	---	-96,430
17	GMLRS MOD	---	266	---	266	---	---
18	STINGER MODS	---	94,756	---	94,756	---	---
19	AVENGER MODS	---	48,670	---	48,670	---	---
20	ITAS/TOW MODS	---	3,173	---	3,173	---	---
21	MLRS MODS	---	383,216	---	378,946	---	-4,270
22	HIMARS MODIFICATIONS	---	10,196	---	10,196	---	---
	TOTAL, MODIFICATION OF MISSILES		1,075,161		984,461		-90,700

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	SPARES AND REPAIR PARTS						
23	SPARES AND REPAIR PARTS	---	27,737	---	27,737	---	---
	SUPPORT EQUIPMENT AND FACILITIES						
24	AIR DEFENSE TARGETS	---	6,417	---	6,417	---	---
25	PRODUCTION BASE SUPPORT	---	1,202	---	1,202	---	---
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES		7,619		7,619		---
	TOTAL, MISSILE PROCUREMENT, ARMY		3,355,777		3,074,502		-281,275

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
3	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I	145,636	141,918	-3,718
	AIM-9X unit cost adjustment		-3,718	
4	INDIRECT FIRE PROTECTION CAPABILITY INC 2-1 (AP)	31,286	0	-31,286
	Ahead of need		-31,286	
6	JOINT AIR TO GROUND MISSILE (JAGM)	276,462	248,862	-27,600
	Unit cost and engineering services growth		-27,600	
8	JAVELIN SYSTEM SUMMARY	303,665	219,665	-84,000
	CLU previously funded		-84,000	
9	TOW 2 SYSTEM SUMMARY	105,014	102,014	-3,000
	Advanced procurement cost growth		-3,000	
11	GUIDED MLRS ROCKET (GMLRS)	359,613	318,642	-40,971
	Unit cost adjustment		-39,200	
	Production capacity - previously funded requirement		-1,771	
15	PATRIOT MODS	313,228	323,228	10,000
	Program increase - information coordination systems		10,000	
16	ATACMS MODS	221,656	125,226	-96,430
	Excess to current production capacity		-79,800	
	Production tooling previously funded		-16,630	
21	MLRS MODS	383,216	378,946	-4,270
	Install funds excess to need		-4,270	

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Fiscal year 2018 appropriation	$4,391,573,000
Fiscal year 2019 budget request	4,489,118,000
Committee recommendation	4,590,205,000
Change from budget request	+101,087,000

The Committee recommends an appropriation of $4,590,205,000 for Procurement of Weapons and Tracked Combat Vehicles, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES (W&TCV), ARMY						
	TRACKED COMBAT VEHICLES						
2	ARMORED MULTI PURPOSE VEHICLE (AMPV)	131	479,801	131	448,653	---	-31,148
	MODIFICATION OF TRACKED COMBAT VEHICLES						
4	STRYKER (MOD)	---	287,490	---	133,100	---	-154,390
5	STRYKER UPGRADE	3	21,900	3	225,390	---	+203,490
6	BRADLEY PROGRAM (MOD)	---	625,424	---	556,809	---	-68,615
7	M109 FOV MODIFICATIONS	---	26,482	---	26,482	---	---
8	PALADIN PIPM MOD IN SERVICE	30	351,802	30	502,602	---	+150,800
9	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	26	110,500	26	110,500	---	---
10	ASSAULT BRIDGE (MOD)	---	2,120	---	2,120	---	---
11	ASSAULT BREACHER VEHICLE	12	62,407	12	62,407	---	---
12	M88 FOV MODS	---	4,517	---	4,517	---	---
13	JOINT ASSAULT BRIDGE	30	142,255	30	140,170	---	-2,085
14	M1 ABRAMS TANK (MOD)	---	927,600	---	927,600	---	---
15	ABRAMS UPGRADE PROGRAM	95	1,075,999	95	1,075,999	---	---
	TOTAL, TRACKED COMBAT VEHICLES		4,118,297		4,216,349		+98,052
	WEAPONS AND OTHER COMBAT VEHICLES						
18	M240 MEDIUM MACHINE GUN (7.62MM)	---	1,955	---	1,955	---	---
19	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON	---	23,345	---	19,880	---	-3,465
20	GUN AUTOMATIC 30MM M230	---	7,434	---	7,434	---	---
21	MACHINE GUN, CAL .50 M2 ROLL	---	22,330	---	22,330	---	---
22	MORTAR SYSTEMS	---	12,470	---	12,470	---	---
23	XM320 GRENADE LAUNCHER MODULE (GLM)	---	697	---	697	---	---
24	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM	---	46,236	---	46,236	---	---
25	CARBINE	---	69,306	---	69,306	---	---
26	SMALL ARMS - FIRE CONTROL	---	7,929	---	7,929	---	---
27	COMMON REMOTELY OPERATED WEAPONS STATION	---	35,968	---	35,968	---	---
28	MODULAR HANDGUN SYSTEM	---	48,251	---	48,251	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	MOD OF WEAPONS AND OTHER COMBAT VEH						
29	MK-19 GRENADE MACHINE GUN MODS	---	1,684	---	1,684	---	---
30	M777 MODS	---	3,086	---	3,086	---	---
31	M4 CARBINE MODS	---	31,575	---	38,075	---	+6,500
32	M2 50 CAL MACHINE GUN MODS	---	21,600	---	21,600	---	---
33	M249 SAW MACHINE GUN MODS	---	3,924	---	3,924	---	---
34	M240 MEDIUM MACHINE GUN MODS	---	6,940	---	6,940	---	---
35	SNIPER RIFLES MODIFICATIONS	---	2,747	---	2,747	---	---
36	M119 MODIFICATIONS	---	5,704	---	5,704	---	---
37	MORTAR MODIFICATION	---	3,965	---	3,965	---	---
38	MODIFICATIONS LESS THAN $5.0M (WOCV-WTCV)	---	5,577	---	5,577	---	---
	SUPPORT EQUIPMENT AND FACILITIES						
39	ITEMS LESS THAN $5.0M (WOCV-WTCV)	---	3,174	---	3,174	---	---
40	PRODUCTION BASE SUPPORT (WOCV-WTCV)	---	3,284	---	3,284	---	---
41	SMALL ARMS EQUIPMENT (SOLDIER ENH PROG)	---	1,640	---	1,640	---	---
	TOTAL, WEAPONS AND OTHER COMBAT VEHICLES		370,821		373,856		+3,035
	TOTAL, PROCUREMENT OF W&TCV, ARMY		4,489,118		4,590,205		+101,087

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
2	ARMORED MULTI PURPOSE VEHICLE (AMPV)	479,801	448,653	-31,148
	Contract savings from combined lot awards		-31,148	
4	STRYKER (MOD)	287,490	133,100	-154,390
	Army requested transfer to line 5		-149,390	
	Program management support growth		-5,000	
5	STRYKER UPGRADE	21,900	225,390	203,490
	Army requested transfer from line 4		149,390	
	Program increase - DVHA1		54,100	
6	BRADLEY PROGRAM (MOD)	625,424	556,809	-68,615
	BFVS A4 modification cost growth		-68,615	
8	PALADIN INTEGRATED MANAGEMENT (PIM)	351,802	502,602	150,800
	Program increase - funding shortfall		150,800	
13	JOINT ASSAULT BRIDGE	142,255	140,170	-2,085
	Unit cost growth		-2,085	
19	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON SYSTEM	23,345	19,880	-3,465
	Unit cost growth		-3,465	
31	M4 CARBINE MODS	31,575	38,075	6,500
	Program increase - free-float rails		6,500	

STRYKER

The recommendation includes $225,390,000 for the Stryker Upgrade program, an increase of $203,490,000 above the budget request. The recommendation funds the conversion of one-half of the fifth Stryker Brigade Combat Team (SBCT) to the double-V hull (DVHA1) configuration. The Committee notes that the Department of Defense Appropriations Act, 2018, provided $300,000,000 in additional funding for Stryker lethality pursuant to an Army unfunded requirement request. The Committee understands that an early user test and evaluation report on the turreted 30 millimeter solution set procured under the 2015 Operational Needs Statement will be finalized in June 2018 and that the Army will achieve a decision by the end of fiscal year 2019 on the preferred course of action for further Stryker lethality modifications.

At the same time, the Committee is aware that the Chief of Staff of the Army has directed that all SBCTs be converted to a DVHA1 configuration. Currently only three of Army's nine SBCTs have vehicles in the DVHA1 configuration. The Army's fiscal year 2019 budget request and future years defense plan does not reflect or support this decision with the necessary budgetary resources. The Committee understands that sufficient prior year funding exists to complete the fourth SBCT conversion to DVHA1 and begin procurement of modifications for the fifth SBCT. The Committee further understands that the Army expects to submit a reprogramming request to the congressional defense committees that would repurpose most of the funds previously appropriated for Stryker lethality to further the conversion of the fifth SBCT. The Army has also requested that the Committee realign $149,390,000 within this account to support the new DVHA1 strategy. The recommendation realigns this funding per the Army's request and provides additional funding of $54,100,000. This combination of prior year and fiscal year 2019 funds are sufficient to fund the conversion of one-half of the fifth SBCT to the DVHA1 configuration.

At the same time, the Committee is concerned that the Army's decisions on Stryker modifications, to include both lethality and DVHA1, are not being synchronized with the budget cycle, are currently under-resourced, and have been subject to sudden change. The Army has indicated that the optimal pace for Stryker DVHA1 conversion is one-half of a SBCT per year, but so far the Army has not indicated a commitment to funding DVHA1 at this pace. In addition, the Committee finds a lack of consistency from the Army on its true requirements and plans for Stryker lethality. Therefore, the Committee directs the Secretary of the Army to submit a report on its plans for Stryker vehicles, to include a resourcing strategy for funding Stryker DVHA1 conversion at a rate of one-half of a SBCT per year, an explanation of Stryker lethality requirements, an acquisition and resourcing strategy for fielding required lethality modifications, and an explanation and cost estimate for any further known requirements for Stryker modifications. This report shall be submitted to the congressional defense committees not later than 90 days after the enactment of this Act.

PROCUREMENT OF AMMUNITION, ARMY

Fiscal year 2018 appropriation	$2,548,740,000
Fiscal year 2019 budget request	2,234,761,000
Committee recommendation	2,255,323,000
Change from budget request	+20,562,000

The Committee recommends an appropriation of $2,255,323,000 for Procurement of Ammunition, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	PROCUREMENT OF AMMUNITION, ARMY						
	AMMUNITION						
	SMALL/MEDIUM CAL AMMUNITION						
1	CTG, 5.56MM, ALL TYPES	---	41,848	---	41,848	---	---
2	CTG, 7.62MM, ALL TYPES	---	86,199	---	86,199	---	---
3	CTG, HANDGUN, ALL TYPES	---	20,158	---	20,158	---	---
4	CTG, .50 CAL, ALL TYPES	---	65,573	---	65,573	---	---
5	CTG, 20MM, ALL TYPES	---	8,198	---	8,198	---	---
7	CTG, 30MM, ALL TYPES	---	77,995	---	60,617	---	-17,378
8	CTG, 40MM, ALL TYPES	---	69,781	---	69,781	---	---
	MORTAR AMMUNITION						
9	60MM MORTAR, ALL TYPES	---	45,280	---	45,280	---	---
10	81MM MORTAR, ALL TYPES	---	46,853	---	46,853	---	---
11	120MM MORTAR, ALL TYPES	---	83,003	---	83,003	---	---
	TANK AMMUNITION						
12	CTG TANK 105MM AND 120MM: ALL TYPES	---	168,101	---	168,101	---	---
	ARTILLERY AMMUNITION						
13	CTG, ARTY, 75MM AND 105MM: ALL TYPES	---	39,341	---	39,341	---	---
14	ARTILLERY PROJECTILE, 155MM, ALL TYPES	---	211,442	---	211,442	---	---
15	PROJ 155MM EXTENDED RANGE XM982	1,189	100,906	1,189	100,906	---	---
16	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES	---	236,677	---	219,617	---	-17,060
	MINES						
17	MINES AND CLEARING CHARGES, ALL TYPES	---	15,905	---	15,905	---	---
	ROCKETS						
18	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	---	4,503	---	29,503	---	+25,000
19	ROCKET, HYDRA 70, ALL TYPES	---	211,211	---	241,211	---	+30,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	OTHER AMMUNITION						
20	CAD/PAD ALL TYPES	---	10,428	---	10,428	---	---
21	DEMOLITION MUNITIONS, ALL TYPES	---	44,656	---	44,656	---	---
22	GRENADES, ALL TYPES	---	19,896	---	19,896	---	---
23	SIGNALS, ALL TYPES	---	10,121	---	10,121	---	---
24	SIMULATORS, ALL TYPES	---	11,464	---	11,464	---	---
	MISCELLANEOUS						
25	AMMO COMPONENTS, ALL TYPES	---	5,224	---	5,224	---	---
26	NON-LETHAL AMMUNITION, ALL TYPES	---	4,310	---	4,310	---	---
27	ITEMS LESS THAN $5 MILLION	---	11,193	---	11,193	---	---
28	AMMUNITION PECULIAR EQUIPMENT	---	10,500	---	10,500	---	---
29	FIRST DESTINATION TRANSPORTATION (AMMO)	---	18,456	---	18,456	---	---
30	CLOSEOUT LIABILITIES	---	100	---	100	---	---
	TOTAL, AMMUNITION		1,679,322		1,699,884		+20,562
	AMMUNITION PRODUCTION BASE SUPPORT						
	PRODUCTION BASE SUPPORT						
32	PROVISION OF INDUSTRIAL FACILITIES	---	394,133	---	394,133	---	---
33	CONVENTIONAL MUNITIONS DEMILITARIZATION, ALL	---	157,535	---	157,535	---	---
34	ARMS INITIATIVE	---	3,771	---	3,771	---	---
	TOTAL, AMMUNITION PRODUCTION BASE SUPPORT		555,439		555,439		---
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY		2,234,761		2,255,323		+20,562

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
7	**CTG, 30MM, ALL TYPES**	**77,995**	**60,617**	**-17,378**
	Mk238 HEI-T cost growth		-1,607	
	PABM ahead of need		-15,771	
16	**ARTILLERY PROPELLANTS, FUZES AND PRIMERS**	**236,677**	**219,617**	**-17,060**
	PGK - excess to production capacity		-17,060	
18	**SHOULDER LAUNCHED MUNITIONS, ALL TYPES**	**4,503**	**29,503**	**25,000**
	Program increase - bunker defeat munition unfunded requirement		25,000	
19	**ROCKET, HYDRA 70, ALL TYPES**	**211,211**	**241,211**	**30,000**
	Program increase - unfunded requirement		30,000	

OTHER PROCUREMENT, ARMY

Fiscal year 2018 appropriation	$8,298,418,000
Fiscal year 2019 budget request	7,999,529,000
Committee recommendation	7,683,632,000
Change from budget request	−315,897,000

The Committee recommends an appropriation of $7,683,632,000 for Other Procurement, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	OTHER PROCUREMENT, ARMY						
	TACTICAL AND SUPPORT VEHICLES						
	TACTICAL VEHICLES						
1	TACTICAL TRAILERS/DOLLY SETS	---	16,512	---	2,850	---	-13,662
2	SEMITRAILERS, FLATBED:	---	16,951	---	16,951	---	---
3	HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV)	---	50,123	---	50,123	---	---
4	GROUND MOBILITY VEHICLES (GMV)	---	46,988	---	42,695	---	-4,293
5	ARNG HMMWV MODERNIZATION PROGRAM	---	---	---	100,000	---	+100,000
6	JOINT LIGHT TACTICAL VEHICLE	---	1,319,436	---	1,287,400	---	-32,036
7	TRUCK, DUMP, 20t (CCE)	---	6,480	---	5,061	---	-1,419
8	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	---	132,882	---	123,464	---	-9,418
9	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMEN	---	14,842	---	14,842	---	---
10	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	---	138,105	---	122,692	---	-15,413
12	HEAVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	---	31,892	---	30,378	---	-1,514
13	TACTICAL WHEELED VEHICLE PROTECTION KITS	---	38,128	---	38,128	---	---
14	MODIFICATION OF IN SVC EQUIP	---	78,507	---	78,507	---	---
	NON-TACTICAL VEHICLES						
16	HEAVY ARMORED SEDAN	---	790	---	790	---	---
17	PASSENGER CARRYING VEHICLES	---	1,390	---	1,390	---	---
18	NONTACTICAL VEHICLES, OTHER	---	15,415	---	15,415	---	---
	TOTAL, TACTICAL AND SUPPORT VEHICLES		1,908,441		1,930,686		+22,245
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMM - JOINT COMMUNICATIONS						
20	SIGNAL MODERNIZATION PROGRAM	---	150,777	---	85,600	---	-65,177
21	TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE	---	469,117	---	598,367	---	+129,250
22	SITUATION INFORMATION TRANSPORT	---	62,727	---	62,727	---	---
23	JOINT INCIDENT SITE COMMUNICATIONS CAPABILITY	---	13,895	---	13,895	---	---
24	JCSE EQUIPMENT (USREDCOM)	---	4,866	---	4,866	---	---
	COMM - SATELLITE COMMUNICATIONS						
27	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	---	108,133	---	91,686	---	-16,447
28	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	---	56,737	---	54,299	---	-2,438
29	SHF TERM	---	13,100	---	13,100	---	---
30	SMART-T (SPACE)	---	9,160	---	19,160	---	+10,000
31	GLOBAL BRDCST SVC - GBS	---	25,647	---	19,472	---	-6,175
32	ENROUTE MISSION COMMAND (EMC)	---	37,401	---	37,401	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	COMM - C3 SYSTEM						
36	COE TACTICAL SERVER INFRASTRUCTURE (TSI)	---	20,500	---	20,500	---	---
	COMM - COMBAT COMMUNICATIONS						
38	HANDHELD MANPACK SMALL FORM FIT (HMS)	---	351,565	---	299,965	---	-51,600
40	RADIO TERMINAL SET, MIDS LVT(2)	---	4,641	---	4,641	---	---
41	TRACTOR DESK	---	2,187	---	2,187	---	---
42	TRACTOR RIDE	---	9,411	---	9,411	---	---
44	SPIDER FAMILY OF NETWORKED MUNITIONS INCREASE	---	17,515	---	13,345	---	-4,170
45	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM	---	819	---	819	---	---
46	UNIFIED COMMAND SUITE	---	17,807	---	16,270	---	-1,537
47	COTS COMMUNICATIONS EQUIPMENT	---	191,835	---	63,835	---	-128,000
48	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	---	25,177	---	22,226	---	-2,951
	COMM - INTELLIGENCE COMM						
50	CI AUTOMATION ARCHITECTURE (MIP)	---	9,740	---	9,740	---	---
51	DEFENSE MILITARY DECEPTION INITIATIVE	---	2,667	---	2,667	---	---
	INFORMATION SECURITY						
53	FAMILY OF BIOMETRICS	---	8,319	---	---	---	-8,319
54	INFORMATION SYSTEM SECURITY PROGRAM-ISSP	---	2,000	---	2,000	---	---
55	COMMUNICATIONS SECURITY (COMSEC)	---	88,337	---	57,605	---	-30,732
56	DEFENSIVE CYBER OPERATIONS	---	51,343	---	51,343	---	---
57	INSIDER THREAT PROGRAM - UNIT ACTIVITY MONITOR	---	330	---	330	---	---
58	PERSISTENT CYBER TRAINING ENVIRONMENT	---	3,000	---	3,000	---	---
	COMM - LONG HAUL COMMUNICATIONS						
59	BASE SUPPORT COMMUNICATIONS	---	34,434	---	51,434	---	+17,000
	COMM - BASE COMMUNICATIONS						
60	INFORMATION SYSTEMS	---	95,558	---	79,823	---	-15,735
61	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM	---	4,736	---	4,736	---	---
62	HOME STATION MISSION COMMAND CENTERS (MSMCC)	---	24,479	---	---	---	-24,479
63	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	---	216,433	---	186,508	---	-29,925

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	ELECT EQUIP						
	ELECT EQUIP - TACT INT REL ACT (TIARA)						
66	JTT/CIBS-M (MIP)	---	10,268	---	9,027	---	-1,241
68	DCGS-A (MIP)	---	261,863	---	261,863	---	---
69	JOINT TACTICAL GROUND STATION (JTAGS)	---	5,434	---	5,434	---	---
70	TROJAN (MIP)	---	20,623	---	20,623	---	---
71	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	---	45,998	---	45,998	---	---
72	CI HUMINT AUTO REPRTING AND COLL(CHARCS)(MIP)	---	296	---	296	---	---
76	ITEMS LESS THAN $5.0M (MIP)	---	410	---	410	---	---
	ELECT EQUIP - ELECTRONIC WARFARE (EW)						
77	LIGHTWEIGHT COUNTER MORTAR RADAR	---	9,165	---	6,107	---	-3,058
78	EW PLANNING AND MANAGEMENT TOOLS	---	5,875	---	5,875	---	---
79	AIR VIGILANCE (AV)	---	8,497	---	8,497	---	---
83	CI MODERNIZATION (MIP)	---	486	---	486	---	---
	ELECT EQUIP - TACTICAL SURV. (TAC SURV)						
84	SENTINEL MODS	---	79,629	---	79,629	---	---
85	NIGHT VISION DEVICES	---	153,180	---	150,488	---	-2,692
87	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	---	22,882	---	21,178	---	-1,704
88	RADIATION MONITORING SYSTEMS	---	17,393	---	17,393	---	---
90	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	---	46,740	---	70,435	---	+23,695
91	FAMILY OF WEAPON SIGHTS (FWS)	---	140,737	---	140,737	---	---
93	PROFILER	---	171	---	171	---	---
94	JOINT BATTLE COMMAND - PLATFORM (JBC-P)	---	405,239	---	371,939	---	-33,300
95	JOINT EFFECTS TARGETING SYSTEM (JETS)	---	66,574	---	66,574	---	---
96	MOD OF IN-SERVICE EQUIPMENT (LLDR)	---	20,783	---	20,783	---	---
97	COMPUTER BALLISTICS: LHMBC XM32	---	8,553	---	8,553	---	---
98	MORTAR FIRE CONTROL SYSTEM	---	21,489	---	21,489	---	---
99	COUNTERFIRE RADARS	---	162,121	---	160,618	---	-1,503

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
ELECT EQUIP - TACTICAL C2 SYSTEMS						
100 ARMY COMMAND POST INTEGRATED INFRASTRUCTURE	---	2,855	---	2,855	---	---
101 FIRE SUPPORT C2 FAMILY	---	19,153	---	19,153	---	---
102 AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD	---	33,837	---	33,837	---	---
103 LIFE CYCLE SOFTWARE SUPPORT (LCSS)	---	5,136	---	5,136	---	---
104 NETWORK MANAGEMENT INITIALIZATION AND SERVICE	---	18,329	---	15,418	---	-2,911
105 MANEUVER CONTROL SYSTEM (MCS)	---	38,015	---	38,015	---	---
106 GLOBAL COMBAT SUPPORT SYSTEM-ARMY	---	15,164	---	15,164	---	---
107 INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY	---	29,239	---	29,239	---	---
109 RECONNAISSANCE AND SURVEYING INSTRUMENT SET	---	6,823	---	6,823	---	---
110 MOD OF IN-SERVICE EQUIPMENT (ENFIRE)	---	1,177	---	1,177	---	---
ELECT EQUIP - AUTOMATION						
111 ARMY TRAINING MODERNIZATION	---	12,265	---	12,265	---	---
112 AUTOMATED DATA PROCESSING EQUIPMENT	---	201,875	---	180,694	---	-21,181
113 GENERAL FUND ENTERPRISE BUSINESS SYSTEM	---	10,976	---	10,976	---	---
114 HIGH PERF COMPUTING MOD PROGRAM	---	66,330	---	66,330	---	---
115 CONTRACT WRITING SYSTEM	---	5,927	---	5,927	---	---
116 RESERVE COMPONENT AUTOMATION SYS (RCAS)	---	27,896	---	27,896	---	---
ELECT EQUIP - AUDIO VISUAL SYS (A/V)						
117 TACTICAL DIGITAL MEDIA	---	4,392	---	4,392	---	---
118 ITEMS LESS THAN $5M (SURVEYING EQUIPMENT)	---	1,970	---	1,970	---	---
ELECT EQUIP - SUPPORT						
119 PRODUCTION BASE SUPPORT (C-E)	---	506	---	506	---	---
120 BCT EMERGING TECHNOLOGIES	---	---	---	144,500	---	+144,500
TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		4,150,664		4,019,834		-130,830

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
OTHER SUPPORT EQUIPMENT						
CHEMICAL DEFENSIVE EQUIPMENT						
121 PROTECTIVE SYSTEMS	---	2,314	---	2,314	---	---
122 FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	---	7,478	---	14,478	---	+7,000
124 CBRN DEFENSE	---	173,954	---	166,954	---	-7,000
BRIDGING EQUIPMENT						
125 TACTICAL BRIDGING	---	98,229	---	97,719	---	-510
126 TACTICAL BRIDGE, FLOAT-RIBBON	---	64,438	---	55,145	---	-9,293
127 COMMON BRIDGE TRANSPORTER RECAP	---	79,916	---	50,651	---	-29,265
ENGINEER (NON-CONSTRUCTION) EQUIPMENT						
128 HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST	---	8,471	---	8,471	---	---
129 GROUND STANDOFF MINE DETECTION SYSTEM (GSTAMIDS)	---	29,883	---	29,883	---	---
130 AREA MINE DETECTION SYSTEM (AMIDS)	---	11,594	---	---	---	-11,594
131 HUSKY MOUNTED DETECTION SYSTEM (HMDS)	---	40,834	---	28,607	---	-12,227
132 ROBOTIC COMBAT SUPPORT SYSTEM	---	4,029	---	4,029	---	---
133 EOD ROBOTICS SYSTEMS RECAPITALIZATION	---	14,208	---	13,118	---	-1,090
134 ROBOTICS AND APPLIQUE SYSTEMS	---	31,456	---	31,456	---	---
136 REMOTE DEMOLITION SYSTEMS	---	1,748	---	1,748	---	---
137 ITEMS LESS THAN $5M, COUNTERMINE EQUIPMENT	---	7,829	---	5,914	---	-1,915
138 FAMILY OF BOATS AND MOTORS	---	5,806	---	8,006	---	+2,200
COMBAT SERVICE SUPPORT EQUIPMENT						
139 HEATERS AND ECU'S	---	9,852	---	9,852	---	---
140 SOLDIER ENHANCEMENT	---	1,103	---	1,103	---	---
141 PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	---	5,875	---	5,875	---	---
142 GROUND SOLDIER SYSTEM	---	92,487	---	32,757	---	-59,730
143 MOBILE SOLDIER POWER	---	30,774	---	30,774	---	---
145 FIELD FEEDING EQUIPMENT	---	17,521	---	17,521	---	---
146 CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	---	44,855	---	44,855	---	---
147 FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS	---	17,173	---	17,173	---	---
148 ITEMS LESS THAN $5M (ENG SPT)	---	2,000	---	2,000	---	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
PETROLEUM EQUIPMENT						
149 QUALITY SURVEILLANCE EQUIPMENT	---	1,770	---	---	---	-1,770
150 DISTRIBUTION SYSTEMS, PETROLEUM & WATER	---	39,730	---	23,397	---	-16,333
MEDICAL EQUIPMENT						
151 COMBAT SUPPORT MEDICAL	---	57,752	---	65,238	---	+7,486
MAINTENANCE EQUIPMENT						
152 MOBILE MAINTENANCE EQUIPMENT SYSTEMS	---	37,722	---	37,722	---	---
153 ITEMS LESS THAN $5.0M (MAINT EQ)	---	4,985	---	4,985	---	---
CONSTRUCTION EQUIPMENT						
155 SCRAPERS, EARTHMOVING	---	7,961	---	7,961	---	---
156 HYDRAULIC EXCAVATOR	---	1,355	---	1,355	---	---
158 ALL TERRAIN CRANES	---	13,031	---	13,031	---	---
159 HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) FOS	---	46,048	---	46,048	---	---
160 ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP	---	980	---	8,480	---	+7,500
161 CONST EQUIP ESP	---	37,017	---	35,125	---	-1,892
162 ITEMS LESS THAN $5.0M (CONST EQUIP)	---	6,103	---	6,103	---	---
RAIL FLOAT CONTAINERIZATION EQUIPMENT						
163 ARMY WATERCRAFT ESP	---	27,711	---	9,356	---	-18,355
164 ITEMS LESS THAN $5.0M (FLOAT/RAIL)	---	8,385	---	8,385	---	---
GENERATORS						
165 GENERATORS AND ASSOCIATED EQUIPMENT	---	133,772	---	131,772	---	-2,000
166 TACTICAL ELECTRIC POWER RECAPITALIZATION	---	8,333	---	8,333	---	---
MATERIAL HANDLING EQUIPMENT						
167 FAMILY OF FORKLIFTS	---	12,901	---	12,901	---	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
TRAINING EQUIPMENT						
168 COMBAT TRAINING CENTERS SUPPORT	---	123,228	---	117,661	---	-5,567
169 TRAINING DEVICES, NONSYSTEM	---	228,598	---	188,928	---	-39,670
170 CLOSE COMBAT TACTICAL TRAINER	---	33,080	---	33,080	---	---
171 AVIATION COMBINED ARMS TACTICAL TRAINER (AVCA	---	32,700	---	32,700	---	---
172 GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING	---	25,161	---	25,161	---	---
TEST MEASURE AND DIG EQUIPMENT (TMD)						
173 CALIBRATION SETS EQUIPMENT	---	4,270	---	4,270	---	---
174 INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	---	76,295	---	76,295	---	---
175 TEST EQUIPMENT MODERNIZATION (TEMOD)	---	9,806	---	9,806	---	---
OTHER SUPPORT EQUIPMENT						
176 M25 STABILIZED BINOCULAR	---	4,368	---	4,368	---	---
177 RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	---	9,879	---	9,879	---	---
178 PHYSICAL SECURITY SYSTEMS (OPA3)	---	54,043	---	50,395	---	-3,648
179 BASE LEVEL COM'L EQUIPMENT	---	6,633	---	6,633	---	---
180 MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	---	49,797	---	46,189	---	-3,608
181 PRODUCTION BASE SUPPORT (OTH)	---	2,301	---	2,301	---	---
182 SPECIAL EQUIPMENT FOR USER TESTING	---	11,608	---	5,577	---	-6,031
183 TRACTOR YARD	---	4,956	---	4,956	---	---
TOTAL, OTHER SUPPORT EQUIPMENT		1,926,106		1,718,794		-207,312
SPARE AND REPAIR PARTS						
184 INITIAL SPARES - C&E	---	9,817	---	9,817	---	---
999 CLASSIFIED PROGRAMS	---	4,501	---	4,501	---	---
TOTAL, OTHER PROCUREMENT, ARMY		7,999,529		7,683,632		-315,897

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
1	TACTICAL TRAILERS/DOLLY SETS	16,512	2,850	-13,662
	Contract award delay		-13,662	
4	GROUND MOBILITY VEHICLE (GMV)	46,988	42,695	-4,293
	Unit cost growth		-756	
	Fielding excess growth		-3,537	
5	ARNG HMMWV MODERNIZATION PROGRAM	0	100,000	100,000
	Program increase		100,000	
6	JOINT LIGHT TACTICAL VEHICLE	1,319,436	1,287,400	-32,036
	Unit cost growth		-18,371	
	ECP excess cost growth		-13,665	
7	TRUCK, DUMP, 20T (CCE)	6,480	5,061	-1,419
	Unit cost growth		-285	
	Documentation unjustified request		-1,134	
8	FAMILY OF MEDIUM TACTICAL VEHICLE (FMTV)	132,882	123,464	-9,418
	Unit cost growth		-6,138	
	LMTV program management excess growth		-3,280	
10	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	138,105	122,692	-15,413
	HET contractor logistics support excess growth		-15,413	
12	HEAVY EXPANDED MOBILE TACTICAL TRUCK EXT SER'	31,892	30,378	-1,514
	Unit cost growth		-1,514	
20	SIGNAL MODERNIZATION PROGRAM	150,777	85,600	-65,177
	SBU VSAT and gateway unjustified request		-19,850	
	Engineering/integration support excess growth		-4,327	
	Requirement funded in fiscal year 2018		-41,000	
21	TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE	469,117	598,367	129,250
	Program management excess growth		-5,750	
	Program increase - TCN-L and NOSC-L equipment for SBCTs		56,000	
	Program increase - next generation embedded kits for ICBTs		79,000	
27	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	108,133	91,686	-16,447
	Enterprise wideband satellite terminal MET hardware unjustified request		-6,361	
	Enterprise wideband sat payload control system support costs excess to need		-10,086	
28	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	56,737	54,299	-2,438
	Program management excess growth		-2,438	

P-1		Budget Request	Committee Recommended	Change from Request
30	SMART-T (SPACE)	9,160	19,160	10,000
	Program increase		10,000	
31	GLOBAL BRDCST SVC - GBS	25,647	19,472	-6,175
	Procurement early to need/exceeds requirement		-6,175	
38	HANDHELD MANPACK SMALL FORM FIT (HMS)	351,565	299,965	-51,600
	Requirement funded in fiscal year 2018		-51,600	
44	SPIDER FAMILY OF NETWORED MUNITIONS	17,515	13,345	-4,170
	Unit cost growth		-4,170	
46	UNIFIED COMMAND SUITE	17,807	16,270	-1,537
	Program management excess growth		-1,537	
47	COTS COMMUNICATIONS EQUIPMENT	191,835	63,835	-128,000
	Requirement funded in fiscal year 2018		-128,000	
48	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	25,177	22,226	-2,951
	Support cost excess growth		-2,951	
53	FAMILY OF BIOMETRICS	8,319	0	-8,319
	Unjustified request		-8,319	
55	COMMUNICATIONS SECURITY (COMSEC)	88,337	57,605	-30,732
	In-line network encryptors unit cost growth		-10,474	
	Secure voice unit cost growth		-12,283	
	Key management infrastructure program management excess growth		-7,975	
59	BASE SUPPORT COMMUNICATIONS	34,434	51,434	17,000
	Program increase - USAEUR land mobile radios		17,000	
60	INFORMATION SYSTEMS	95,558	79,823	-15,735
	Information systems (MCA support)		-5,295	
	Information systems (CONUS/Western Hem)		-10,440	
62	HOME STATION MISSION COMMAND CENTERS (MSMCC)	24,479	0	-24,479
	Early to need		-24,479	
63	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	216,433	186,508	-29,925
	Excess hardware growth		-29,925	
66	JTI/CIBS-M	10,268	9,027	-1,241
	Program management excess growth		-1,241	
77	LIGHTWEIGHT COUNTER MORTAR RADAR	9,165	6,107	-3,058
	Program management excess growth		-3,058	

P-1		Budget Request	Committee Recommended	Change from Request
85	NIGHT VISION DEVICES	153,180	150,488	-2,692
	Laser target locators unit cost savings		-2,692	
87	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	22,882	21,178	-1,704
	STORM hardware unit cost discrepancy		-1,704	
90	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	46,740	70,435	23,695
	C-RAM enhancements fielding unjustified request		-6,305	
	Program increase - C-RAM warn communications enhancements		30,000	
94	JOINT BATTLE COMMAND - PLATFORM (JBC-P)	405,239	371,939	-33,300
	Requirement funded in fiscal year 2018		-33,300	
99	COUNTERFIRE RADARS	162,121	160,618	-1,503
	Hardware unit cost growth		-1,503	
104	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	18,329	15,418	-2,911
	System engineering excess growth		-2,911	
112	AUTOMATED DATA PROCESSING EQUIPMENT	201,875	180,694	-21,181
	Optical digital equip unit cost growth		-643	
	MACOM automation systems Army-wide hardware excess growth		-20,538	
120	BCT EMERGING TECHNOLOGIES	0	144,500	144,500
	Program increase - cyber electromagnetic activities		144,500	
122	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	7,478	14,478	7,000
	Program increase - acoustic hailing devices		7,000	
124	CBRN DEFENSE	173,954	166,954	-7,000
	Integrated early warning unjustified request		-20,000	
	Program increase - personal dosimeters		13,000	
125	TACTICAL BRIDGING	98,229	97,719	-510
	Program management excess growth		-510	
126	TACTICAL BRIDGE, FLOAT-RIBBON	64,438	55,145	-9,293
	Hardware unit cost growth		-8,724	
	Bridge adapter pallet unit cost growth		-569	
127	COMMON BRIDGE TRANSPORTER RECAP	79,916	50,651	-29,265
	CBT recap unit cost growth		-25,298	
	FRET unit cost growth		-3,967	
130	AREA MINE DETECTION SYSTEM (AMIDS)	11,594	0	-11,594
	SREHD hardware contract award delay		-11,594	

P-1	Budget Request	Committee Recommended	Change from Request
131 HUSKY MOUNTED DETECTION SYSTEM (HMDS)	**40,834**	**28,607**	**-12,227**
Hardware unit cost growth		-12,227	
133 EOD ROBOTICS SYSTEMS RECAPITALIZATION	**14,208**	**13,118**	**-1,090**
MTRS unit cost growth		-1,090	
137 ITEMS LESS THAN $5M (COUNTERMINE)	**7,829**	**5,914**	**-1,915**
Hardware unit cost growth		-1,915	
138 FAMILY OF BOATS AND MOTORS	**5,806**	**8,006**	**2,200**
Program increase		2,200	
142 GROUND SOLDIER SYSTEM	**92,487**	**32,757**	**-59,730**
Hardware unit cost growth		-3,730	
Requirement funded in fiscal year 2018		-56,000	
149 QUALITY SURVEILLANCE EQUIPMENT	**1,770**	**0**	**-1,770**
Unjustified request		-1,770	
150 DISTRIBUTION SYSTEMS, PETROLEUM AND WATER	**39,730**	**23,397**	**-16,333**
Tank rack modules contract award delays		-4,617	
E2FDS system contract award delay		-4,852	
Mobile tactical refueling system contract award delay		-6,864	
151 COMBAT SUPPORT MEDICAL	**57,752**	**65,238**	**7,486**
IMMSS unit cost growth		-1,514	
Program increase - expeditionary medical facilities		9,000	
160 ENHANCED RAPID AIRFIELD CONSTRUCTION CAPAP	**980**	**8,480**	**7,500**
Program increase		7,500	
161 CONST EQUIP ESP	**37,017**	**35,125**	**-1,892**
HSC unit cost growth		-1,892	
163 ARMY WATERCRAFT ESP	**27,711**	**9,356**	**-18,355**
SLEP vessels (SCU-2000) contract award delay		-17,155	
Other NRE production unjustified request		-1,200	
165 GENERATORS AND ASSOCIATED EQUIPMENT	**133,772**	**131,772**	**-2,000**
Small tactical electric power engineering support excess growth		-2,000	
168 COMBAT TRAINING CENTERS SUPPORT	**123,228**	**117,661**	**-5,567**
CTC kits unit cost growth		-1,723	
IADS unit cost growth		-3,844	

P-1	Budget Request	Committee Recommended	Change from Request
169 TRAINING DEVICES, NONSYSTEM	**228,598**	**188,928**	**-39,670**
ATS lifecycle management unjustified request		-5,808	
DRTS CTR unjustified growth		-33,862	
178 PHYSICAL SECURITY SYSTEMS (OPA3)	**54,043**	**50,395**	**-3,648**
IDS hardware unit cost growth		-3,648	
180 MODIFICATION OF IN-SVC EQUIPMENT (OPA3)	**49,797**	**46,189**	**-3,608**
Army watercraft systems installation early to need		-3,608	
182 SPECIAL EQUIPMENT FOR USER TESTING	**11,608**	**5,577**	**-6,031**
Threat operations unit cost growth		-1,306	
Advanced jammer suite unit cost growth		-4,725	

LAND MOBILE RADIOS FOR UNITED STATES ARMY EUROPE

The Committee supports the Army's efforts to modernize the Land Mobile Radio (LMR) network in Europe. Moving to a joint United States Air Force in Europe-United States Army Europe LMR system supports broader Joint Information Environment goals and generates cost savings. Migration to the joint LMR network allows for the reuse of system frequencies throughout the theater, resulting in reduced spectrum use which is a host nation imperative. However, the Committee remains concerned about LMR shortfalls on some United States Army Europe installations which increases the risk of ineffective force protection in the case of a catastrophic event. The Committee acknowledges important upgrades are underway in Germany, but urges the Secretary of the Army to prioritize funding in fiscal year 2019 for upgrades in Italy, Benelux, Bulgaria, Romania, Lithuania, Poland, and Croatia.

AIRCRAFT PROCUREMENT, NAVY

Fiscal year 2018 appropriation	$19,957,380,000
Fiscal year 2019 budget request	19,041,799,000
Committee recommendation	20,107,195,000
Change from budget request	+1,065,396,000

The Committee recommends an appropriation of $20,107,195,000 for Aircraft Procurement, Navy which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	AIRCRAFT PROCUREMENT, NAVY						
	COMBAT AIRCRAFT						
1	F/A-18E/F (FIGHTER) HORNET (MYP)	24	1,937,553	24	1,881,304	---	-56,249
2	F/A-18E/F (FIGHTER) HORNET (MYP) (AP)	---	58,799	---	53,977	---	-4,822
3	JOINT STRIKE FIGHTER CV	9	1,144,958	15	1,959,958	+6	+815,000
4	JOINT STRIKE FIGHTER CV (AP-CY)	---	140,010	---	140,010	---	---
5	JSF STOVL	20	2,312,847	22	2,530,047	+2	+217,200
6	JSF STOVL (AP-CY)	---	228,492	---	228,492	---	---
7	CH-53K (HEAVY LIFT)	8	1,113,804	8	1,027,729	---	-86,075
8	CH-53K (HEAVY LIFT) (AP-CY)	---	161,079	---	161,079	---	---
9	V-22 (MEDIUM LIFT)	7	806,337	11	982,337	+4	+176,000
10	V-22 (MEDIUM LIFT) (AP-CY)	---	36,955	---	36,955	---	---
11	UH-1Y/AH-1Z	25	820,755	25	798,355	---	-22,400
14	P-8A POSEIDON	10	1,803,753	10	1,767,179	---	-36,574
15	P-8A POSEIDON (AP-CY)	---	180,000	---	180,000	---	---
16	E-2D ADV HAWKEYE	4	742,693	6	1,072,113	+2	+329,420
17	E-2D ADV HAWKEYE (AP-CY)	---	240,734	---	240,734	---	---
	TOTAL, COMBAT AIRCRAFT		11,728,769		13,060,269		+1,331,500

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	OTHER AIRCRAFT						
18	C-40A	2	206,000	---	---	-2	-206,000
20	KC-130J	2	160,433	2	145,433	---	-15,000
21	KC-130J (AP-CY)	---	110,013	---	102,050	---	-7,963
22	MQ-4 TRITON	3	568,743	3	534,017	---	-34,726
23	MQ-4 TRITON (AP-CY)	---	58,522	---	58,522	---	---
24	MQ-8 UAV	---	54,761	---	89,061	---	+34,300
25	STUASLO UAV	---	14,866	---	14,866	---	---
26	VH-92A EXECUTIVE HELO	6	649,015	6	649,015	---	---
	TOTAL, OTHER AIRCRAFT		1,822,353		1,592,964		-229,389
	MODIFICATION OF AIRCRAFT						
27	AEA SYSTEMS	---	25,277	---	40,277	---	+15,000
28	AV-8 SERIES	---	58,577	---	58,577	---	---
29	ADVERSARY	---	14,606	---	14,606	---	---
30	F-18 SERIES	---	1,213,482	---	1,184,775	---	-28,707
31	H-53 SERIES	---	70,997	---	70,997	---	---
32	SH-60 SERIES	---	130,661	---	125,862	---	-4,799
33	H-1 SERIES	---	87,143	---	87,143	---	---
34	EP-3 SERIES	---	3,633	---	3,633	---	---
35	P-3 SERIES	---	803	---	803	---	---
36	E-2 SERIES	---	88,780	---	70,592	---	-18,188
37	TRAINER A/C SERIES	---	11,660	---	11,660	---	---
38	C-2A	---	11,327	---	5,374	---	-5,953
39	C-130 SERIES	---	79,075	---	72,152	---	-6,923
40	FEWSG	---	597	---	597	---	---
41	CARGO/TRANSPORT A/C SERIES	---	8,932	---	8,932	---	---
42	E-6 SERIES	---	181,821	---	171,183	---	-10,638
43	EXECUTIVE HELICOPTERS SERIES	---	23,566	---	23,566	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
44	SPECIAL PROJECT AIRCRAFT	---	7,620	---	7,620	---	---
45	T-45 SERIES	---	195,475	---	193,567	---	-1,908
46	POWER PLANT CHANGES	---	21,521	---	21,521	---	---
47	JPATS SERIES	---	27,644	---	25,133	---	-2,511
48	AVIATION LIFE SUPPORT MODS	---	15,864	---	15,864	---	---
49	COMMON ECM EQUIPMENT	---	166,306	---	165,218	---	-1,088
50	COMMON AVIONICS CHANGES	---	117,551	---	117,551	---	---
51	COMMON DEFENSIVE WEAPON SYSTEM	---	1,994	---	1,994	---	---
52	ID SYSTEMS	---	40,696	---	40,696	---	---
53	P-8 SERIES	---	71,251	---	67,416	---	-3,835
54	MAGTF EW FOR AVIATION	---	11,590	---	11,590	---	---
55	MQ-8 SERIES	---	37,907	---	37,907	---	---
57	V-22 (TILT/ROTOR ACFT) OSPREY	---	214,820	---	207,293	---	-7,527
58	NEXT GENERATION JAMMER (NGJ)	---	952	---	---	---	-952
59	F-35 STOVL SERIES	---	36,618	---	36,618	---	---
60	F-35 CV SERIES	---	21,236	---	21,236	---	---
61	QUICK REACTION CAPABILITY (QRC)	---	101,499	---	101,499	---	---
62	MQ-4 SERIES	---	48,278	---	26,316	---	-21,962
63	RQ-21 SERIES	---	6,904	---	6,904	---	---
	TOTAL, MODIFICATION OF AIRCRAFT		3,156,663		3,056,672		-99,991
	AIRCRAFT SPARES AND REPAIR PARTS						
64	SPARES AND REPAIR PARTS	---	1,792,920	---	1,880,420	---	+87,500
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
65	COMMON GROUND EQUIPMENT	---	421,606	---	397,382	---	-24,224
66	AIRCRAFT INDUSTRIAL FACILITIES	---	24,496	---	24,496	---	---
67	WAR CONSUMABLES	---	42,108	---	42,108	---	---
68	OTHER PRODUCTION CHARGES	---	1,444	---	1,444	---	---
69	SPECIAL SUPPORT EQUIPMENT	---	49,489	---	49,489	---	---
70	FIRST DESTINATION TRANSPORTATION	---	1,951	---	1,951	---	---
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES		541,094		516,870		-24,224
	TOTAL, AIRCRAFT PROCUREMENT, NAVY		19,041,799		20,107,195		+1,065,396

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 F/A-18E/F (FIGHTER) HORNET (MYP)	**1,937,553**	**1,881,304**	**-56,249**
Production support and ILS previously funded		-56,249	
2 F/A-18E/F (FIGHTER) HORNET (MYP) (AP)	**58,799**	**53,977**	**-4,822**
Excess growth		-4,822	
3 JOINT STRIKE FIGHTER CV	**1,144,958**	**1,959,958**	**815,000**
Unit cost savings		-9,000	
Program increase - four additional aircraft for the Navy		484,000	
Program increase - two additional aircraft for the Marine Corps		242,000	
Program increase - additional tooling		98,000	
5 JSF STOVL	**2,312,847**	**2,530,047**	**217,200**
Unit cost savings		-20,000	
Program increase - two additional aircraft		237,200	
7 CH-53K (HEAVY LIFT)	**1,113,804**	**1,027,729**	**-86,075**
Other GFE excess growth		-3,681	
NRE excess growth		-11,524	
Support costs previously funded		-45,378	
Field activities unjustified growth		-25,492	
9 V-22 (MEDIUM LIFT)	**806,337**	**982,337**	**176,000**
Unit cost growth		-140,000	
Program increase - four aircraft for the Navy		316,000	
11 UH-1Y/AH-1Z	**820,755**	**798,355**	**-22,400**
Airframe unit cost growth		-22,400	
14 P-8A POSEIDON	**1,803,753**	**1,767,179**	**-36,574**
CFE electronics excess growth		-6,655	
Peculiar training equipment excess growth		-29,919	
16 E-2D ADV HAWKEYE	**742,693**	**1,072,113**	**329,420**
Airframe unit cost growth		-8,732	
GFE electronics excess growth		-1,848	
Program increase - two additional aircraft		340,000	
18 C-40A	**206,000**	**0**	**-206,000**
Requirement funded in fiscal year 2018		-206,000	
20 KC-130J	**160,433**	**145,433**	**-15,000**
Unit cost growth		-15,000	
21 KC-130J (AP-CY)	**110,013**	**102,050**	**-7,963**
Excess growth		-7,963	

P-1	Budget Request	Committee Recommended	Change from Request
22 MQ-4 TRITON	**568,743**	**534,017**	**-34,726**
Support costs excess growth		-34,726	
24 MQ-8 UAV	**54,761**	**89,061**	**34,300**
Program increase - mobile mission control stations for shore-based training		34,300	
27 AEA SYSTEMS	**25,277**	**40,277**	**15,000**
Program increase - ALQ-99 band 6S jammer		15,000	
30 F-18 SERIES	**1,213,482**	**1,184,775**	**-28,707**
Other support previously funded (OSIP 11-84)		-1,956	
Gen 5 radio kits previously funded (OSIP 10-99)		-10,410	
Installation kits NRE previously funded (OSIP 14-03)		-3,861	
Installation cost excess growth (OSIP 14-03)		-2,325	
B kits unit cost growth (OSIP 011-10)		-10,155	
32 SH-60 SERIES	**130,661**	**125,862**	**-4,799**
Kit procurement early to need (OSIP 001-06)		-4,799	
36 E-2 SERIES	**88,780**	**70,592**	**-18,188**
Installations early to need (OSIP 002-18)		-18,188	
38 C-2A	**11,327**	**5,374**	**-5,953**
Kit procurement early to need (OSIP 014-17)		-5,953	
39 C-130 SERIES	**79,075**	**72,152**	**-6,923**
Kits previously funded (OSIP 008-12)		-4,576	
Kits previously funded (OSIP 019-14)		-2,347	
42 E-6 SERIES	**181,821**	**171,183**	**-10,638**
Installation cost excess growth (OSIP 008-10)		-1,328	
Kits previously funded (OSIP 013-10)		-9,310	
45 T-45 SERIES	**195,475**	**193,567**	**-1,908**
Installation cost excess growth (OSIP 008-95)		-1,908	
47 JPATS SERIES	**27,644**	**25,133**	**-2,511**
Kit procurement early to need (OSIP 011-04)		-1,174	
Kit procurement previously funded (OSIP 007-16)		-1,337	
49 COMMON ECM EQUIPMENT	**166,306**	**165,218**	**-1,088**
Installation cost excess growth (OSIP 006-00)		-1,088	
53 P-8 SERIES	**71,251**	**67,416**	**-3,835**
Other support excess growth (OSIP 006-18)		-3,835	
57 V-22 (TILT/ROTOR ACFT) OSPREY	**214,820**	**207,293**	**-7,527**
Installation previously funded (OSIP 022-01)		-3,120	
Other support excess growth (OSIP 009-19)		-4,407	

P-1	Budget Request	Committee Recommended	Change from Request
58 NEXT GENERATION JAMMER (NGJ)	**952**	**0**	**-952**
Early to need		-952	
62 MQ-4 SERIES	**48,278**	**26,316**	**-21,962**
Installation early to need		-21,962	
64 SPARES AND REPAIR PARTS	**1,792,920**	**1,880,420**	**87,500**
Program increase - additional F-35B spares		45,500	
Program increase - additional F-35C spares		42,000	
65 COMMON GROUND EQUIPMENT	**421,606**	**397,382**	**-24,224**
Other flight training previously funded		-10,414	
Other flight training cost growth		-13,810	

NAVY RESERVE COMBAT AIRCRAFT

The Committee remains concerned that the ageing aircraft of the Navy reserve combat air fleet will further hamper the mission of these vital tactical aviation squadrons. The Navy reserve squadrons provide critical adversary support and strike fighter weapons training to active duty forces and must maintain a high mobilization readiness level for immediate deployment in the event of war or national emergency. Recapitalizing the two reserve F/A–18+ squadrons with newer platforms would ensure that the Navy maintains dedicated advanced adversary squadrons. The Committee encourages the Secretary of the Navy, in coordination with the Chief of the Navy Reserve, to maintain the Navy reserve combat air fleet and not to divest the two reserve squadrons.

WEAPONS PROCUREMENT, NAVY

Fiscal year 2018 appropriation	$3,510,590,000
Fiscal year 2019 budget request	3,702,393,000
Committee recommendation	3,555,587,000
Change from budget request	−146,806,000

The Committee recommends an appropriation of $3,555,587,000 for Weapons Procurement, Navy which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	WEAPONS PROCUREMENT, NAVY						
	BALLISTIC MISSILES						
	MODIFICATION OF MISSILES						
1	TRIDENT II MODS	---	1,078,750	---	1,044,761	---	-33,989
	SUPPORT EQUIPMENT AND FACILITIES						
2	MISSILE INDUSTRIAL FACILITIES	---	6,998	---	6,998	---	---
	TOTAL, BALLISTIC MISSILES		1,085,748		1,051,759		-33,989
	OTHER MISSILES						
	STRATEGIC MISSILES						
3	TOMAHAWK	---	98,570	---	78,406	---	-20,164
	TACTICAL MISSILES						
4	AMRAAM	140	211,058	140	187,258	---	-23,800
5	SIDEWINDER	191	77,927	250	121,100	+59	+43,173
6	JSOW	---	1,330	---	1,330	---	---
7	STANDARD MISSILE	125	490,210	125	490,210	---	---
8	STANDARD MISSILE (AP-CY)	---	125,683	---	---	---	-125,683
9	SMALL DIAMETER BOMB II	750	91,272	750	91,272	---	---
10	RAM	120	96,221	120	96,221	---	---
11	JOINT AIR GROUND MISSILE (JAGM)	75	24,109	75	24,109	---	---
14	STAND OFF PRECISION GUIDED MUNITIONS (SOPGM)	31	11,378	31	11,378	---	---
15	AERIAL TARGETS	---	137,137	---	132,679	---	-4,458
16	OTHER MISSILE SUPPORT	---	3,318	---	3,318	---	---
17	LRASM	25	81,190	35	105,440	+10	+24,250
18	LCS OTH MISSILE	8	18,156	8	18,156	---	---
	MODIFICATION OF MISSILES						
19	ESSM	45	98,384	45	98,384	---	---
20	HARPOON MODS	---	14,840	---	26,840	---	+12,000
21	HARM MODS	---	187,985	---	179,885	---	-8,100
	SUPPORT EQUIPMENT AND FACILITIES						
23	WEAPONS INDUSTRIAL FACILITIES	---	2,006	---	2,006	---	---
24	FLEET SATELLITE COMM FOLLOW-ON	---	66,779	---	53,155	---	-13,624
	ORDNANCE SUPPORT EQUIPMENT						
25	ORDNANCE SUPPORT EQUIPMENT	---	62,008	---	62,008	---	---
	TOTAL, OTHER MISSILES		1,899,561		1,783,155		-116,406

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	TORPEDOES AND RELATED EQUIPMENT						
	TORPEDOES AND RELATED EQUIP						
26	SSTD	---	6,353	---	6,353	---	---
27	MK-48 TORPEDO	45	92,616	50	103,616	+5	+11,000
28	ASW TARGETS	---	12,324	---	12,324	---	---
	MOD OF TORPEDOES AND RELATED EQUIP						
29	MK-54 TORPEDO MODS	---	105,946	---	105,946	---	---
30	MK-48 TORPEDO ADCAP MODS	---	40,005	---	40,005	---	---
31	QUICKSTRIKE MINE	---	9,758	---	9,758	---	---
	SUPPORT EQUIPMENT						
32	TORPEDO SUPPORT EQUIPMENT	---	79,371	---	75,729	---	-3,642
33	ASW RANGE SUPPORT	---	3,872	---	3,872	---	---
	DESTINATION TRANSPORTATION						
34	FIRST DESTINATION TRANSPORTATION	---	3,726	---	3,726	---	---
	TOTAL, TORPEDOES AND RELATED EQUIPMENT		353,971		361,329		+7,358
	OTHER WEAPONS						
	GUNS AND GUN MOUNTS						
35	SMALL ARMS AND WEAPONS	---	15,067	---	15,067	---	---
	MODIFICATION OF GUNS AND GUN MOUNTS						
36	CIWS MODS	---	63,318	---	63,318	---	---
37	COAST GUARD WEAPONS	---	40,823	---	40,823	---	---
38	GUN MOUNT MODS	---	74,618	---	71,633	---	-2,985
39	LCS MODULE WEAPONS	90	11,350	90	11,350	---	---
41	AIRBORNE MINE NEUTRALIZATION SYSTEMS	---	22,249	---	21,465	---	-784
	TOTAL, OTHER WEAPONS		227,425		223,656		-3,769
43	SPARES AND REPAIR PARTS	---	135,688	---	135,688	---	---
	TOTAL, WEAPONS PROCUREMENT, NAVY		3,702,393		3,555,587		-146,806

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 TRIDENT II MODS	1,078,750	1,044,761	-33,989
SRM previously funded		-33,989	
3 TOMAHAWK	98,570	78,406	-20,164
Production line shutdown early to need		-20,164	
4 AMRAAM	211,058	187,258	-23,800
Unit cost growth		-23,800	
5 SIDEWINDER	77,927	121,100	43,173
CATM unit cost growth		-1,218	
Engineering change orders previously funded		-609	
Program increase - additional munitions		45,000	
8 STANDARD MISSILE (AP-CY)	125,683	0	-125,683
Lack of multiyear procurement justification		-125,683	
15 AERIAL TARGETS	137,137	132,679	-4,458
Other targets unit cost growth		-4,458	
17 LRASM	81,190	105,440	24,250
Unit cost growth		-5,750	
Program increase - additional munitions		30,000	
20 HARPOON MODS	14,840	26,840	12,000
Program increase - additional munitions		12,000	
21 HARM MODS	187,985	179,885	-8,100
Telemetry sections unit cost growth		-8,100	
24 FLEET SATELLITE COMM FOLLOW-ON	66,779	53,155	-13,624
Ground system updates excess growth		-13,624	
27 MK-48 TORPEDO	92,616	103,616	11,000
Program increase - additional munitions		11,000	
32 TORPEDO SUPPORT EQUIPMENT	79,371	75,729	-3,642
Lightweight other equipment unjustified growth		-3,642	
38 GUN MOUNT MODS	74,618	71,633	-2,985
Installation cost excess growth		-2,985	
41 AIRBORNE MINE NEUTRALIZATION SYSTEMS	22,249	21,465	-784
SEAFOX unit cost growth		-784	

TOMAHAWK PRODUCTION

The Committee is concerned by the Navy's mismanagement of the Tomahawk missile program. In the previous two fiscal years, the Congress has added funding above the budget requests for the Tomahawk program due to the fact that the Navy has requested fewer missiles than necessary to maintain a minimum sustainment rate and that missiles have been expended in the Central Command area of operations. The Department of Defense Appropriations Act, 2018, included $102,000,000 above the request to procure additional munitions, as requested by the Navy in its updated unfunded requirements list. However, despite the request by the Navy and the direction by the Congress to procure additional Tomahawks, the Navy has now proposed to not procure any missiles, but to use the funding to purchase support and test equipment. Therefore, the Committee recommendation includes a rescission of $115,657,000 of fiscal year 2018 funds from the Tomahawk program and directs the Secretary of the Navy to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act that details the inventory requirement and current level for the Tomahawk missile and the feasibility of restarting missile production in fiscal year 2020.

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

Fiscal year 2018 appropriation	$804,335,000
Fiscal year 2019 budget request	1,006,209,000
Committee recommendation	973,556,000
Change from budget request	−32,653,000

The Committee recommends an appropriation of $973,556,000 for Procurement of Ammunition, Navy and Marine Corps which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	PROCUREMENT OF AMMO, NAVY & MARINE CORPS						
	PROC AMMO, NAVY						
	NAVY AMMUNITION						
1	GENERAL PURPOSE BOMBS	---	79,871	---	75,721	---	-4,150
2	JDAM	3,688	87,900	3,688	87,900	---	---
3	AIRBORNE ROCKETS, ALL TYPES	---	151,431	---	136,022	---	-15,409
4	MACHINE GUN AMMUNITION	---	11,344	---	11,344	---	---
5	PRACTICE BOMBS	---	49,471	---	49,471	---	---
6	CARTRIDGES & CART ACTUATED DEVICES	---	56,227	---	53,751	---	-2,476
7	AIR EXPENDABLE COUNTERMEASURES	---	66,382	---	66,382	---	---
8	JATOS	---	2,907	---	2,907	---	---
9	5 INCH/54 GUN AMMUNITION	---	72,657	---	68,882	---	-3,775
10	INTERMEDIATE CALIBER GUN AMMUNITION	---	33,613	---	32,151	---	-1,462
11	OTHER SHIP GUN AMMUNITION	---	42,142	---	42,142	---	---
12	SMALL ARMS & LANDING PARTY AMMO	---	49,888	---	49,888	---	---
13	PYROTECHNIC AND DEMOLITION	---	10,931	---	10,931	---	---
15	AMMUNITION LESS THAN $5 MILLION	---	1,106	---	1,106	---	---
	TOTAL, PROC AMMO, NAVY		715,870		688,598		-27,272

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	PROC AMMO, MARINE CORPS						
	MARINE CORPS AMMUNITION						
19	MORTARS	---	28,266	---	28,266	---	---
21	DIRECT SUPPORT MUNITIONS	---	63,664	---	61,999	---	-1,665
22	INFANTRY WEAPONS AMMUNITION	---	59,295	---	59,295	---	---
26	COMBAT SUPPORT MUNITIONS	---	31,577	---	31,577	---	---
28	AMMO MODERNIZATION	---	15,001	---	15,001	---	---
29	ARTILLERY MUNITIONS	---	86,297	---	82,581	---	-3,716
30	ITEMS LESS THAN $5 MILLION	---	6,239	---	6,239	---	---
	TOTAL, PROC AMMO, MARINE CORPS		290,339		284,958		-5,381
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS		1,006,209		973,556		-32,653

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 GENERAL PURPOSE BOMBS	**79,871**	**75,721**	**-4,150**
Q2897 GBU-49 precision kit NRE early to need		-4,150	
3 AIRBORNE ROCKETS, ALL TYPES	**151,431**	**136,022**	**-15,409**
MK-44 rocket motor unit cost growth		-4,212	
LAU-61 digital rocket launcher unit cost savings		-1,197	
APKWS product improvement previously funded		-10,000	
6 CARTRIDGES & CART ACTUATED DEVICES	**56,227**	**53,751**	**-2,476**
MK122 unit cost growth		-1,508	
Thermal battery contract delay		-968	
9 5 INCH/54 GUN AMMUNITION	**72,657**	**68,882**	**-3,775**
BLP/T previously funded		-3,775	
10 INTERMEDIATE CALIBER GUN AMMUNITION	**33,613**	**32,151**	**-1,462**
CART 57mm HE-PD unit cost growth		-1,462	
21 DIRECT SUPPORT MUNITIONS	**63,664**	**61,999**	**-1,665**
HX07 unit cost growth		-1,665	
29 ARTILLERY MUNITIONS	**86,297**	**82,581**	**-3,716**
DA54 155mm production engineering excess growth		-3,716	

SHIPBUILDING AND CONVERSION, NAVY

Fiscal year 2018 appropriation	$23,824,738,000
Fiscal year 2019 budget request	21,871,437,000
Committee recommendation	22,708,767,000
Change from budget request	+837,330,000

The Committee recommends an appropriation of $22,708,767,000 for Shipbuilding and Conversion, Navy which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	SHIPBUILDING & CONVERSION, NAVY						
	FLEET BALLISTIC MISSILE SHIPS						
1	COLUMBIA CLASS SUBMARINE (AP-CY)	---	3,005,330	---	2,949,400	---	-55,930
	OTHER WARSHIPS						
2	CARRIER REPLACEMENT PROGRAM (CVN 80)	---	1,598,181	---	1,598,181	---	---
4	VIRGINIA CLASS SUBMARINE	2	4,373,382	2	4,340,676	---	-32,706
5	VIRGINIA CLASS SUBMARINE (AP-CY)	---	2,796,401	---	2,796,401	---	---
7	CVN REFUELING OVERHAULS (AP-CY)	---	449,597	---	425,873	---	-23,724
8	DDG 1000	---	270,965	---	270,965	---	---
9	DDG-51	3	5,253,327	3	5,187,837	---	-65,490
10	DDG-51 (AP-CY)	---	391,928	---	391,928	---	---
11	LITTORAL COMBAT SHIP	1	646,244	3	1,558,505	+2	+912,261
	TOTAL, OTHER WARSHIPS		15,780,025		16,570,366		+790,341
	AMPHIBIOUS SHIPS						
13	EXPEDITIONARY SEABASE	1	650,000	1	647,000	---	-3,000
	TOTAL, AMPHIBIOUS SHIPS		650,000		647,000		-3,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS						
16	TAO FLEET OILER	2	977,104	2	977,104	---	---
17	TAO FLEET OILER (AP-CY)	---	75,046	---	75,046	---	---
18	TOWING, SALVAGE, AND RESCUE SHIP (ATS)	1	80,517	1	80,517	---	---
20	LCU 1700	2	41,520	2	41,520	---	---
21	OUTFITTING	---	634,038	---	557,457	---	-76,581
22	SHIP TO SHORE CONNECTOR	5	325,375	8	507,875	+3	+182,500
23	SERVICE CRAFT	---	72,062	---	72,062	---	---
24	LCAC SLEP	1	23,321	1	23,321	---	---
28	COMPLETION OF PY SHIPBUILDING PROGRAMS	---	207,099	---	207,099	---	---
	TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM		2,436,082		2,542,001		+105,919
	TOTAL, SHIPBUILDING & CONVERSION, NAVY		21,871,437		22,708,767		+837,330

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 COLUMBIA CLASS SUBMARINE (AP-CY)	3,005,330	2,949,400	-55,930
Ordnance early to need		-48,300	
Electronics early to need		-7,630	
4 VIRGINIA CLASS SUBMARINE	4,373,382	4,340,676	-32,706
Change orders excess growth		-20,000	
Plan costs excess growth		-12,706	
7 CVN REFUELING OVERHAULS (AP-CY)	449,597	425,873	-23,724
Previously funded efforts due to ten month delay		-23,724	
9 DDG-51	5,253,327	5,187,837	-65,490
Basic construction excess growth		-62,000	
Electronics excess growth		-3,490	
11 LITTORAL COMBAT SHIP	646,244	1,558,505	912,261
Other costs excess growth		-37,739	
Program increase - two additional ships		950,000	
13 EXPEDITIONARY SEA BASE	650,000	647,000	-3,000
Excess cost growth		-3,000	
21 OUTFITTING	634,038	557,457	-76,581
CVN outfitting early to need		-17,623	
Virginia class outfitting early to need and excess growth		-17,599	
DDG 1000 outfitting early to need		-19,914	
LCS outfitting early to need		-7,307	
LPD outfitting early to need		-1,557	
DDG 1000 post-delivery early to need		-12,581	
22 SHIP TO SHORE CONNECTOR	325,375	507,875	182,500
Program increase - three additional vessels		182,500	

STEAM TURBINE PRODUCTION

The Committee understands that the production of steam turbines is vital for the Navy's 30-year shipbuilding plan and has concerns that any disruption to this production could have major ramifications. The Committee directs the Secretary of the Navy to provide a report to the congressional defense committees not later than 180 days after the enactment of this Act that describes the current industrial base for steam turbines for Navy ships, how a temporary halt in production would impact shipbuilding, and any steps the Navy is taking to increase the domestic steam turbine industrial base.

OTHER PROCUREMENT, NAVY

Fiscal year 2018 appropriation	$7,941,018,000
Fiscal year 2019 budget request	9,414,355,000
Committee recommendation	9,093,835,000
Change from budget request	−320,520,000

The Committee recommends an appropriation of $9,093,835,000 for Other Procurement, Navy which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	OTHER PROCUREMENT, NAVY						
	SHIPS SUPPORT EQUIPMENT						
	SHIP PROPULSION EQUIPMENT						
1	SURFACE POWER EQUIPMENT	---	19,700	---	19,196	---	-504
	GENERATORS						
3	SURFACE COMBATANT HM&E	---	23,495	---	23,495	---	---
	NAVIGATION EQUIPMENT						
4	OTHER NAVIGATION EQUIPMENT	---	63,330	---	63,330	---	---
	PERISCOPES						
5	SUB PERISCOPES AND IMAGING SUPPORT EQUIPMENT PROGRAM	---	178,421	---	176,621	---	-1,800
	OTHER SHIPBOARD EQUIPMENT						
6	DDG MOD	---	487,999	---	481,408	---	-6,591
7	FIREFIGHTING EQUIPMENT	---	28,143	---	28,143	---	---
8	COMMAND AND CONTROL SWITCHBOARD	---	2,248	---	2,248	---	---
9	LHA/LHD MIDLIFE	---	37,694	---	32,353	---	-5,341
	SUBTOTAL		37,694		32,353		-5,341
10	POLLUTION CONTROL EQUIPMENT	---	20,883	---	20,883	---	---
11	SUBMARINE SUPPORT EQUIPMENT	---	37,155	---	37,155	---	---
12	VIRGINIA CLASS SUPPORT EQUIPMENT	---	66,328	---	66,328	---	---
13	LCS CLASS SUPPORT EQUIPMENT	---	47,241	---	47,241	---	---
14	SUBMARINE BATTERIES	---	27,987	---	24,460	---	-3,527
15	LPD CLASS SUPPORT EQUIPMENT	---	65,033	---	62,026	---	-3,007
16	DDG-1000 SUPPORT EQUIPMENT	---	89,700	---	57,700	---	-32,000
17	STRATEGIC PLATFORM SUPPORT EQUIP	---	22,254	---	22,254	---	---
18	DSSP EQUIPMENT	---	3,629	---	3,629	---	---
19	CRUISER MODERNIZATION	---	276,446	---	268,509	---	-7,937
20	LCAC	---	3,709	---	3,709	---	---
21	UNDERWATER EOD PROGRAMS	---	78,807	---	73,000	---	-5,807
22	ITEMS LESS THAN $5 MILLION	---	126,865	---	123,685	---	-3,180

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
23	CHEMICAL WARFARE DETECTORS	---	2,966	---	2,966	---	---
24	SUBMARINE LIFE SUPPORT SYSTEM	---	11,968	---	11,968	---	---
	REACTOR PLANT EQUIPMENT						
25	REACTOR POWER UNITS	---	346,325	---	346,325	---	---
26	REACTOR COMPONENTS	---	497,063	---	497,063	---	---
	OCEAN ENGINEERING						
27	DIVING AND SALVAGE EQUIPMENT	---	10,706	---	10,706	---	---
	SMALL BOATS						
28	STANDARD BOATS	---	49,771	---	49,771	---	---
	PRODUCTION FACILITIES EQUIPMENT						
29	OPERATING FORCES IPE	---	225,181	---	216,397	---	-8,784
	OTHER SHIP SUPPORT						
31	LCS COMMON MISSION MODULES EQUIPMENT	---	46,732	---	42,223	---	-4,509
32	LCS MCM MISSION MODULES	---	124,147	---	89,187	---	-34,960
33	LCS ASW MISSION MODULES	---	57,294	---	43,669	---	-13,625
34	LCS SUW MISSION MODULES	---	26,006	---	13,890	---	-12,116
35	LCS IN-SERVICE MODERNIZATION	---	70,526	---	58,472	---	-12,054
	LOGISTICS SUPPORT						
36	LSD MIDLIFE AND MODERNIZATION	---	4,784	---	4,784	---	---
	SUBTOTAL		4,784		4,784		---
	TOTAL, SHIPS SUPPORT EQUIPMENT		3,180,536		3,024,794		-155,742
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	SHIP SONARS						
37	SPQ-9B RADAR	---	20,309	---	20,309	---	---
38	AN/SQQ-89 SURF ASW COMBAT SYSTEM	---	115,459	---	114,344	---	-1,115
39	SSN ACOUSTICS EQUIPMENT	---	318,189	---	314,658	---	-3,531
40	UNDERSEA WARFARE SUPPORT EQUIPMENT	---	10,134	---	10,134	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	ASW ELECTRONIC EQUIPMENT						
41	SUBMARINE ACOUSTIC WARFARE SYSTEM	---	23,815	---	21,615	---	-2,200
42	SSTD	---	11,277	---	9,598	---	-1,679
43	FIXED SURVEILLANCE SYSTEM	---	237,780	---	237,780	---	---
44	SURTASS	---	57,872	---	57,872	---	---
	ELECTRONIC WARFARE EQUIPMENT						
45	AN/SLQ-32	---	420,344	---	389,757	---	-30,587
	RECONNAISSANCE EQUIPMENT						
46	SHIPBOARD IW EXPLOIT	---	220,883	---	220,883	---	---
47	AUTOMATED IDENTIFICATION SYSTEM (AIS)	---	4,028	---	4,028	---	---
	OTHER SHIP ELECTRONIC EQUIPMENT						
48	COOPERATIVE ENGAGEMENT CAPABILITY	---	44,173	---	42,960	---	-1,213
49	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	---	10,991	---	10,991	---	---
50	ATDLS	---	34,526	---	30,085	---	-4,441
51	NAVY COMMAND AND CONTROL SYSTEM (NCCS)	---	3,769	---	3,769	---	---
52	MINESWEEPING SYSTEM REPLACEMENT	---	35,709	---	31,468	---	-4,241
53	SHALLOW WATER MCM	---	8,616	---	8,616	---	---
54	NAVSTAR GPS RECEIVERS (SPACE)	---	10,703	---	10,703	---	---
55	ARMED FORCES RADIO AND TV	---	2,626	---	2,626	---	---
56	STRATEGIC PLATFORM SUPPORT EQUIP	---	9,467	---	9,467	---	---
	AVIATION ELECTRONIC EQUIPMENT						
57	ASHORE ATC EQUIPMENT	---	70,849	---	70,849	---	---
58	AFLOAT ATC EQUIPMENT	---	47,890	---	47,890	---	---
59	ID SYSTEMS	---	26,163	---	22,777	---	-3,386
60	JOINT PRECISION APPROACH AND LANDING SYSTEM	---	38,094	---	38,094	---	---
61	NAVAL MISSION PLANNING SYSTEMS	---	11,966	---	11,966	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	OTHER SHORE ELECTRONIC EQUIPMENT						
62	TACTICAL/MOBILE C41 SYSTEMS	---	42,010	---	42,010	---	---
63	DCGS-N	---	12,896	---	10,219	---	-2,677
64	CANES	---	423,027	---	412,753	---	-10,274
65	RADIAC	---	8,175	---	8,175	---	---
66	CANES-INTELL	---	54,465	---	54,465	---	---
67	GPETE	---	5,985	---	5,985	---	---
68	MASF	---	5,413	---	5,413	---	---
69	INTEG COMBAT SYSTEM TEST FACILITY	---	6,251	---	6,251	---	---
70	EMI CONTROL INSTRUMENTATION	---	4,183	---	4,183	---	---
71	ITEMS LESS THAN $5 MILLION	---	148,350	---	140,092	---	-8,258
	SHIPBOARD COMMUNICATIONS						
72	SHIPBOARD TACTICAL COMMUNICATIONS	---	45,450	---	45,450	---	---
73	SHIP COMMUNICATIONS AUTOMATION	---	105,087	---	105,087	---	---
74	COMMUNICATIONS ITEMS UNDER $5M	---	41,123	---	39,081	---	-2,042
	SUBMARINE COMMUNICATIONS						
75	SUBMARINE BROADCAST SUPPORT	---	30,897	---	25,883	---	-5,014
76	SUBMARINE COMMUNICATION EQUIPMENT	---	78,580	---	78,580	---	---
	SATELLITE COMMUNICATIONS						
77	SATELLITE COMMUNICATIONS SYSTEMS	---	41,205	---	33,929	---	-7,276
78	NAVY MULTIBAND TERMINAL (NMT)	---	113,885	---	103,815	---	-10,070
	SHORE COMMUNICATIONS						
79	JCS COMMUNICATIONS EQUIPMENT	---	4,292	---	4,292	---	---
	CRYPTOGRAPHIC EQUIPMENT						
80	INFO SYSTEMS SECURITY PROGRAM (ISSP)	---	153,526	---	151,828	---	-1,698
81	MIO INTEL EXPLOITATION TEAM	---	951	---	951	---	---
	CRYPTOLOGIC EQUIPMENT						
82	CRYPTOLOGIC COMMUNICATIONS EQUIP	---	14,209	---	14,209	---	---
	OTHER ELECTRONIC SUPPORT						
86	COAST GUARD EQUIPMENT	---	40,713	---	40,713	---	---
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		3,176,305		3,076,603		-99,702

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	AVIATION SUPPORT EQUIPMENT						
	SONOBUOYS						
88	SONOBUOYS - ALL TYPES	---	177,891	---	204,561	---	+26,670
	AIRCRAFT SUPPORT EQUIPMENT						
89	WEAPONS RANGE SUPPORT EQUIPMENT	---	93,864	---	93,864	---	---
90	AIRCRAFT SUPPORT EQUIPMENT	---	111,724	---	105,943	---	-5,781
91	ADVANCED ARRESTING GEAR (AAG)	---	11,054	---	11,054	---	---
92	METEOROLOGICAL EQUIPMENT	---	21,072	---	21,072	---	---
93	OTHER PHOTOGRAPHIC EQUIPMENT (DCRS/DPL)	---	656	---	656	---	---
94	AIRBORNE MINE COUNTERMEASURES	---	11,299	---	11,299	---	---
95	LAMPS EQUIPMENT	---	594	---	594	---	---
96	AVIATION SUPPORT EQUIPMENT	---	39,374	---	37,874	---	-1,500
97	UMCS-UNMAN CARRIER AVIATION (UCA) MISSION CONTROL	---	35,405	---	25,245	---	-10,160
	TOTAL, AVIATION SUPPORT EQUIPMENT		502,933		512,162		+9,229
	ORDNANCE SUPPORT EQUIPMENT						
	SHIP GUN SYSTEM EQUIPMENT						
98	SHIP GUN SYSTEMS EQUIPMENT	---	5,337	---	5,337	---	---
	SHIP MISSILE SYSTEMS EQUIPMENT						
99	SHIP MISSILE SUPPORT EQUIPMENT	---	213,090	---	211,137	---	-1,953
100	TOMAHAWK SUPPORT EQUIPMENT	---	92,890	---	86,045	---	-6,845
	FBM SUPPORT EQUIPMENT						
101	STRATEGIC MISSILE SYSTEMS EQUIP	---	271,817	---	244,320	---	-27,497
	ASW SUPPORT EQUIPMENT						
102	SSN COMBAT CONTROL SYSTEMS	---	129,501	---	125,903	---	-3,598
103	ASW SUPPORT EQUIPMENT	---	19,436	---	19,436	---	---
	OTHER ORDNANCE SUPPORT EQUIPMENT						
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	---	14,258	---	14,258	---	---
105	ITEMS LESS THAN $5 MILLION	---	5,378	---	5,378	---	---
	OTHER EXPENDABLE ORDNANCE						
106	SUBMARINE TRAINING DEVICE MODS	---	65,543	---	56,834	---	-8,709
107	SURFACE TRAINING EQUIPMENT	---	230,425	---	230,425	---	---
	TOTAL, ORDNANCE SUPPORT EQUIPMENT		1,047,675		999,073		-48,602

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
CIVIL ENGINEERING SUPPORT EQUIPMENT						
108 PASSENGER CARRYING VEHICLES	---	4,867	---	4,867	---	---
109 GENERAL PURPOSE TRUCKS	---	2,674	---	2,674	---	---
110 CONSTRUCTION & MAINTENANCE EQUIP	---	20,994	---	20,994	---	---
111 FIRE FIGHTING EQUIPMENT	---	17,189	---	17,189	---	---
112 TACTICAL VEHICLES	---	19,916	---	19,916	---	---
113 AMPHIBIOUS EQUIPMENT	---	7,400	---	6,176	---	-1,224
114 POLLUTION CONTROL EQUIPMENT	---	2,713	---	2,713	---	---
115 ITEMS UNDER $5 MILLION	---	35,540	---	35,540	---	---
116 PHYSICAL SECURITY VEHICLES	---	1,155	---	1,155	---	---
TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT		112,448		111,224		-1,224
SUPPLY SUPPORT EQUIPMENT						
117 SUPPLY EQUIPMENT	---	18,786	---	17,386	---	-1,400
118 FIRST DESTINATION TRANSPORTATION	---	5,375	---	5,375	---	---
119 SPECIAL PURPOSE SUPPLY SYSTEMS	---	580,371	---	580,371	---	---
TOTAL, SUPPLY SUPPORT EQUIPMENT		604,532		603,132		-1,400

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
PERSONNEL AND COMMAND SUPPORT EQUIPMENT						
TRAINING DEVICES						
120 TRAINING SUPPORT EQUIPMENT	---	3,400	---	3,400	---	---
121 TRAINING AND EDUCATION EQUIPMENT	---	24,283	---	20,683	---	-3,600
COMMAND SUPPORT EQUIPMENT						
122 COMMAND SUPPORT EQUIPMENT	---	66,681	---	61,577	---	-5,104
123 MEDICAL SUPPORT EQUIPMENT	---	3,352	---	10,352	---	+7,000
125 NAVAL MIP SUPPORT EQUIPMENT	---	1,984	---	1,984	---	---
126 OPERATING FORCES SUPPORT EQUIPMENT	---	15,131	---	15,131	---	---
127 C4ISR EQUIPMENT	---	3,576	---	3,576	---	---
128 ENVIRONMENTAL SUPPORT EQUIPMENT	---	31,902	---	29,319	---	-2,583
129 PHYSICAL SECURITY EQUIPMENT	---	175,436	---	175,436	---	---
130 ENTERPRISE INFORMATION TECHNOLOGY	---	25,393	---	25,393	---	---
133 NEXT GENERATION ENTERPRISE SERVICE	---	96,269	---	96,269	---	---
TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT		447,407		443,120		-4,287
134 SPARES AND REPAIR PARTS	---	326,838	---	308,046	---	-18,792
CLASSIFIED PROGRAMS	---	15,681	---	15,681	---	---
TOTAL, OTHER PROCUREMENT, NAVY		9,414,355		9,093,835		-320,520

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 SURFACE POWER EQUIPMENT	19,700	19,196	-504
Gas turbine digital fuel control shipsets early to need		-504	
SUB PERISCOPES AND IMAGING SUPPORT 5 EQUIPMENT PROGRAM	178,421	176,621	-1,800
Periscope interim contractor support previously funded		-900	
AN/BLQ-10V NRE previously funded		-900	
6 DDG MOD	487,999	481,408	-6,591
AWS upgrade installation excess growth		-3,790	
IVCS upgrade installation excess growth		-2,122	
AN/SPA-25H installation excess growth		-679	
9 LHA/LHD MIDLIFE	37,694	32,353	-5,341
Damage control and ballast control unjustified request		-2,632	
Propulsion and auxiliary control system engineering services unjustified request		-2,709	
14 SUBMARINE BATTERIES	27,987	24,460	-3,527
Los Angeles class unit cost growth		-704	
Ohio class unit cost growth		-1,604	
Virginia class unit cost growth		-1,219	
15 LPD CLASS SUPPORT EQUIPMENT	65,033	62,026	-3,007
HW/SW obsolescence excess installation		-3,007	
16 DDG-1000 SUPPORT EQUIPMENT	89,700	57,700	-32,000
DDG 1002 data center early to need		-32,000	
19 CRUISER MODERNIZATION	276,446	268,509	-7,937
Installation/DSA/AIT previously funded		-2,746	
AN/SQQ-89 installation cost growth		-5,191	
21 UNDERWATER EOD PROGRAMS	78,807	73,000	-5,807
Open water transport system early to need		-5,807	
22 ITEMS LESS THAN $5 MILLION	126,865	123,685	-3,180
LSD boat davit installation cost carryover		-1,443	
ESB SOF backfit installation cost growth		-1,737	
29 OPERATING FORCES IPE	225,181	216,397	-8,784
Shipyard capital investment items previously funded		-5,784	
Navy maritime maintenance enterprise solution technical refresh unjustified growth		-3,000	
31 LCS COMMON MISSION MODULES EQUIPMENT	46,732	42,223	-4,509
EMM AN/SQS-62 training equipment unjustified request		-4,509	

P-1	Budget Request	Committee Recommended	Change from Request
32 LCS MCM MISSION MODULES	**124,147**	**89,187**	**-34,960**
MCM USV early to need		-34,960	
33 LCS ASW MISSION MODULES	**57,294**	**43,669**	**-13,625**
Production NRE unjustified request		-12,400	
ASW containers excess to need		-1,225	
34 LCS SUW MISSION MODULES	**26,006**	**13,890**	**-12,116**
Gun module excess production engineering support		-1,040	
Surface-to-surface missile module excess to need		-11,076	
35 LCS IN-SERVICE MODERNIZATION	**70,526**	**58,472**	**-12,054**
Combat systems modernization unjustified request		-12,054	
38 AN/SQQ-89 SURF ASW COMBAT SYSTEM	**115,459**	**114,344**	**-1,115**
Installation cost growth		-1,115	
39 SSN ACOUSTICS EQUIPMENT	**318,189**	**314,658**	**-3,531**
Towed systems refurbishment previously funded		-3,531	
41 SUBMARINE ACOUSTIC WARFARE SYSTEM	**23,815**	**21,615**	**-2,200**
NRE excess growth		-2,200	
42 SSTD	**11,277**	**9,598**	**-1,679**
Engineering changes support costs excess growth		-1,679	
45 AN/SLQ-32	**420,344**	**389,757**	**-30,587**
Block 2 support costs excess growth		-3,487	
Block 2 installation cost growth		-14,671	
Block 3 kit cost excess growth		-12,429	
48 COOPERATIVE ENGAGEMENT CAPABILITY	**44,173**	**42,960**	**-1,213**
Signal data processors backfits and installation unjustified request		-421	
Common array block antenna unit cost growth		-792	
50 ATDLS	**34,526**	**30,085**	**-4,441**
LMMT ship installation cost growth		-1,090	
Technology refresh installation cost growth		-3,351	
52 MINESWEEPING SYSTEM REPLACEMENT	**35,709**	**31,468**	**-4,241**
UISS training equipment contract award delay		-1,893	
MSF measurement system reductions not properly accounted		-7,348	
Program increase - EO/IR sensors for MCMs		5,000	
59 ID SYSTEMS	**26,163**	**22,777**	**-3,386**
Mark XII mode 5 support costs excess growth		-2,095	
Mark XII mode 5 installation cost excess growth		-1,291	

P-1	Budget Request	Committee Recommended	Change from Request
63 DCGS-N	12,896	10,219	-2,677
Product improvement afloat kit cost growth		-2,677	
64 CANES	423,027	412,753	-10,274
CANES afloat kit prior year carryover		-10,274	
71 ITEMS LESS THAN $5 MILLION	148,350	140,092	-8,258
DBR ECPs previously funded		-2,016	
Next generation surface ship radar installation early to need		-6,242	
74 COMMUNICATIONS ITEMS UNDER $5M	41,123	39,081	-2,042
BFTN system unit cost growth		-520	
BFTN DSA unjustified request		-1,522	
75 SUBMARINE BROADCAST SUPPORT	30,897	25,883	-5,014
LBUCS receive procurement and installations previously funded		-1,014	
TACAMO NRE unjustified request		-4,000	
77 SATELLITE COMMUNICATIONS SYSTEMS	41,205	33,929	-7,276
GBS afloat receive terminal DSA excess growth		-1,399	
Commercial broadband satellite program afloat installation cost excess growth		-1,003	
Commercial broadband satellite assured C2 modems installation cost excess growth		-2,343	
CBSP Ka kits NRE unjustified growth		-2,531	
78 NAVY MULTIBAND TERMINAL (NMT)	113,885	103,815	-10,070
Afloat ship kit cost growth		-3,811	
Afloat installation cost excess growth		-6,259	
80 INFO SYSTEMS SECURITY PROGRAM (ISSP)	153,526	151,828	-1,698
Computer network defense increment 2 ashore installation cost excess growth		-1,698	
88 SONOBUOYS - ALL TYPES	177,891	204,561	26,670
AN/SSQ-53 unit cost growth		-4,602	
AN/SSQ-125 unit cost growth		-7,028	
Program increase		38,300	
90 AIRCRAFT SUPPORT EQUIPMENT	111,724	105,943	-5,781
Air launch and recovery equipment previously funded		-1,977	
LAMPS MK III installation cost excess growth		-3,804	
96 AVIATION SUPPORT EQUIPMENT	39,374	37,874	-1,500
ASIP unit cost growth		-1,500	
97 UMCS-UNMAN CARRIER AVIATION (UCA) MISSION CONTROL	35,405	25,245	-10,160
Mission system NRE unjustified request		-2,596	
Production engineering support excess growth		-7,564	

P-1	Budget Request	Committee Recommended	Change from Request
99 SHIP MISSILE SUPPORT EQUIPMENT	**213,090**	**211,137**	**-1,953**
Nulka decoys unit cost growth		-1,953	
100 TOMAHAWK SUPPORT EQUIPMENT	**92,890**	**86,045**	**-6,845**
Tomahawk mission planning center hardware unjustified growth		-6,845	
101 STRATEGIC MISSILE SYSTEMS EQUIP	**271,817**	**244,320**	**-27,497**
SSI increment 15 excess growth		-27,497	
102 SSN COMBAT CONTROL SYSTEMS	**129,501**	**125,903**	**-3,598**
Weapons launch systems tech insertion previously funded		-3,598	
106 SUBMARINE TRAINING DEVICE MODS	**65,543**	**56,834**	**-8,709**
VA SMMTT new normal unjustified request		-8,709	
113 AMPHIBIOUS EQUIPMENT	**7,400**	**6,176**	**-1,224**
INLS modules unit cost growth		-1,224	
117 SUPPLY EQUIPMENT	**18,786**	**17,386**	**-1,400**
Collateral equipment unjustified request		-1,400	
121 TRAINING AND EDUCATION EQUIPMENT	**24,283**	**20,683**	**-3,600**
CANES acceleration unjustified request		-3,600	
122 COMMAND SUPPORT EQUIPMENT	**66,681**	**61,577**	**-5,104**
Converged ERP excess growth		-2,028	
Navy personnel and pay ashore equipment excess growth		-3,076	
123 MEDICAL SUPPORT EQUIPMENT	**3,352**	**10,352**	**7,000**
Program increase - expeditionary medical facilities		7,000	
128 ENVIRONMENTAL SUPPORT EQUIPMENT	**31,902**	**29,319**	**-2,583**
Precise time and astrometry network unjustified growth		-2,583	
134 SPARES AND REPAIR PARTS	**326,838**	**308,046**	**-18,792**
Outfitting unjustified growth		-18,792	

ELECTRO-OPTICAL INFRARED SURVEILLANCE SENSORS

The Committee is concerned by the lack of modern electro-optical infrared surveillance sensors installed upon forward deployed minesweepers. Advanced systems would provide situational awareness for ships that are continually relied upon to perform critical missions. Therefore, the Committee recommendation includes $5,000,000 for the procurement of additional electro-optical infrared surveillance sensors and the Committee encourages the Secretary of the Navy to prioritize installation on forward deployed minesweepers.

PROCUREMENT, MARINE CORPS

Fiscal year 2018 appropriation	$1,942,737,000
Fiscal year 2019 budget request	2,860,410,000
Committee recommendation	2,647,569,000
Change from budget request	−212,841,000

The Committee recommends an appropriation of $2,647,569,000 for Procurement, Marine Corps which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	PROCUREMENT, MARINE CORPS						
	WEAPONS AND COMBAT VEHICLES						
	TRACKED COMBAT VEHICLES						
1	AAV7A1 PIP	---	156,249	---	102,845	---	-53,404
2	AMPHIBIOUS COMBAT VEHICLE 1.1	30	167,478	30	159,619	---	-7,859
3	LAV PIP	---	43,701	---	30,307	---	-13,394
	ARTILLERY AND OTHER WEAPONS						
5	155MM LIGHTWEIGHT TOWED HOWITZER	---	47,158	---	30,386	---	-16,772
6	ARTILLERY WEAPONS SYSTEM	---	134,246	---	113,281	---	-20,965
7	WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION	---	40,687	---	40,687	---	---
	OTHER SUPPORT						
8	MODIFICATION KITS	---	22,904	---	22,904	---	---
	TOTAL, WEAPONS AND COMBAT VEHICLES		612,423		500,029		-112,394
	GUIDED MISSILES AND EQUIPMENT						
	GUIDED MISSILES						
9	GROUND BASED AIR DEFENSE	---	18,334	---	18,334	---	---
10	JAVELIN	5	3,020	5	3,020	---	---
11	FOLLOW ON TO SMAW/FOAAWS	---	13,760	---	13,760	---	---
12	ANTI-ARMOR WEAPONS SYSTEM-HEAVY (AAWS-H)/TOW	---	59,702	---	51,232	---	-8,470
	TOTAL, GUIDED MISSILES AND EQUIPMENT		94,816		86,346		-8,470

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMMAND AND CONTROL SYSTEMS						
13	COMMON AVIATION COMMAND AND CONTROL SYS	---	35,467	---	32,587	---	-2,880
	REPAIR AND TEST EQUIPMENT						
14	REPAIR AND TEST EQUIPMENT	---	46,081	---	45,656	---	-425
15	MODIFICATION KITS	---	971	---	971	---	---
	OTHER SUPPORT (TEL)						
	COMMAND AND CONTROL						
16	ITEMS UNDER $5 MILLION (COMM & ELEC)	---	69,203	---	67,360	---	-1,843
17	AIR OPERATIONS C2 SYSTEMS	---	14,269	---	14,269	---	---
	RADAR + EQUIPMENT (NON-TEL)						
18	RADAR SYSTEMS	---	6,694	---	6,694	---	---
19	GROUND/AIR TASK ORIENTED RADAR	3	224,969	3	220,416	---	-4,553
20	RQ-21 UAS	4	---	4	---	---	---
	INTELL/COMM EQUIPMENT (NON-TEL)						
21	GCSS-MC	---	1,187	---	1,187	---	---
22	FIRE SUPPORT SYSTEM	---	60,189	---	59,343	---	-846
23	INTELLIGENCE SUPPORT EQUIPMENT	---	73,848	---	72,968	---	-880
25	UNMANNED AIR SYSTEMS (INTEL)	---	3,848	---	3,848	---	---
26	DCGS-MC	---	16,081	---	16,081	---	---
	OTHER SUPPORT (NON-TEL)						
30	NEXT GENERATION ENTERPRISE NETWORK (NGEN)	---	87,120	---	81,099	---	-6,021
31	COMMON COMPUTER RESOURCES	---	68,914	---	62,904	---	-6,010
32	COMMAND POST SYSTEMS	---	124,838	---	115,873	---	-8,965
33	RADIO SYSTEMS	---	279,680	---	218,341	---	-61,339
34	COMM SWITCHING & CONTROL SYSTEMS	---	36,649	---	25,701	---	-10,948
35	COMM & ELEC INFRASTRUCTURE SUPPORT	---	83,971	---	72,842	---	-11,129
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		1,233,979		1,118,140		-115,839
	SUPPORT VEHICLES						
	ADMINISTRATIVE VEHICLES						
36	COMMERCIAL CARGO VEHICLES	---	25,441	---	23,864	---	-1,577

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	TACTICAL VEHICLES						
37	MOTOR TRANSPORT MODIFICATIONS	---	11,392	---	11,392	---	---
38	JOINT LIGHT TACTICAL VEHICLE	---	607,011	---	599,274	---	-7,737
39	FAMILY OF TACTICAL TRAILERS	---	2,393	---	2,393	---	---
40	TRAILERS	---	6,540	---	---	---	-6,540
	TOTAL, SUPPORT VEHICLES		652,777		636,923		-15,854
	ENGINEER AND OTHER EQUIPMENT						
	ENGINEER AND OTHER EQUIPMENT						
41	ENVIRONMENTAL CONTROL EQUIP ASSORT	---	496	---	496	---	---
42	TACTICAL FUEL SYSTEMS	---	54	---	54	---	---
43	POWER EQUIPMENT ASSORTED	---	21,062	---	16,885	---	-4,177
44	AMPHIBIOUS SUPPORT EQUIPMENT	---	5,290	---	14,890	---	+9,600
45	EOD SYSTEMS	---	47,854	---	47,854	---	---
	MATERIALS HANDLING EQUIPMENT						
46	PHYSICAL SECURITY EQUIPMENT	---	28,306	---	28,306	---	---
	GENERAL PROPERTY						
47	FIELD MEDICAL EQUIPMENT	---	33,513	---	33,513	---	---
48	TRAINING DEVICES	---	52,040	---	64,040	---	+12,000
49	FAMILY OF CONSTRUCTION EQUIPMENT	---	36,156	---	59,856	---	+23,700
50	FAMILY OF INTERNALLY TRANSPORTABLE VEHICLE (ITV)	---	606	---	606	---	---
	OTHER SUPPORT						
51	ITEMS LESS THAN $5 MILLION	---	11,608	---	11,608	---	---
	TOTAL, ENGINEER AND OTHER EQUIPMENT		236,985		278,108		+41,123
53	SPARES AND REPAIR PARTS	---	25,804	---	24,397	---	-1,407
	CLASSIFIED PROGRAMS	---	3,626	---	3,626	---	---
	TOTAL, PROCUREMENT, MARINE CORPS		2,860,410		2,647,569		-212,841

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 AAV7A1 PIP	**156,249**	**102,845**	**-53,404**
Excess production to smooth ramp		-53,404	
2 AMPHIBIOUS COMBAT VEHICLE 1.1	**167,478**	**159,619**	**-7,859**
Estimated cost savings		-6,960	
Excess engineering change orders		-899	
3 LAV PIP	**43,701**	**30,307**	**-13,394**
Excess kit procurement and ILS		-13,394	
5 155MM LIGHTWEIGHT TOWED HOWITZER	**47,158**	**30,386**	**-16,772**
Unjustified budget request		-16,772	
6 ARTILLERY WEAPONS SYSTEM	**134,246**	**113,281**	**-20,965**
GMLRS unit cost discrepancy		-1,995	
RRPR unit cost discrepancy		-1,270	
HIMARS launchers unit cost discrepancy		-17,700	
12 ANTI-ARMOR WEAPONS SYSTEM-HEAVY (AAWS-H)/TOV	**59,702**	**51,232**	**-8,470**
Unit cost growth		-8,470	
13 COMMON AVIATION COMMAND AND CONTROL SYS	**35,467**	**32,587**	**-2,880**
MIDS previously funded		-2,880	
14 REPAIR AND TEST EQUIPMENT	**46,081**	**45,656**	**-425**
General purpose tools and test systems previously funded		-425	
16 ITEMS UNDER $5 MILLION (COMM & ELEC)	**69,203**	**67,360**	**-1,843**
TIPS previously funded		-1,843	
19 GROUND/AIR TASK ORIENTED RADAR	**224,969**	**220,416**	**-4,553**
SEPM excess growth		-2,450	
Logistics support excess growth		-2,103	
22 FIRE SUPPORT SYSTEM	**60,189**	**59,343**	**-846**
THS excess integration		-846	
23 INTELLIGENCE SUPPORT EQUIPMENT	**73,848**	**72,968**	**-880**
Intelligence broadcast receiver prior year carryover		-880	
30 NEXT GENERATION ENTERPRISE NETWORK (NGEN)	**87,120**	**81,099**	**-6,021**
End user devices tech refresh unit cost growth		-6,021	
31 COMMON COMPUTER RESOURCES	**68,914**	**62,904**	**-6,010**
MCEITS unjustified growth		-6,010	

P-1	Budget Request	Committee Recommended	Change from Request
32 COMMAND POST SYSTEMS	**124,838**	**115,873**	**-8,965**
JLTV B-kits unjustified request		-8,965	
33 RADIO SYSTEMS	**279,680**	**218,341**	**-61,339**
MBR II MUOS previously funded		-28,440	
MUOS antennas previously funded		-4,631	
Line of sight system replacements unjustified request		-23,093	
Line of sight ancillary components early to need		-5,175	
34 COMM SWITCHING & CONTROL SYSTEMS	**36,649**	**25,701**	**-10,948**
ECP small form factor unjustified request		-10,948	
35 COMM & ELEC INFRASTRUCTURE SUPPORT	**83,971**	**72,842**	**-11,129**
Excess growth		-11,129	
36 COMMERCIAL CARGO VEHICLES	**25,441**	**23,864**	**-1,577**
Unarmored vehicles unit cost growth		-1,577	
38 JOINT LIGHT TACTICAL VEHICLE	**607,011**	**599,274**	**-7,737**
Unit cost growth		-7,737	
40 TRAILERS	**6,540**	**0**	**-6,540**
Unjustified request		-6,540	
43 POWER EQUIPMENT ASSORTED	**21,062**	**16,885**	**-4,177**
Advanced power sources unjustified growth		-4,177	
44 AMPHIBIOUS SUPPORT EQUIPMENT	**5,290**	**14,890**	**9,600**
Program increase - diver propulsion device		9,600	
48 TRAINING DEVICES	**52,040**	**64,040**	**12,000**
Program increase - I-TESS II man-worn detection systems instrumentation and simulation		12,000	
49 FAMILY OF CONSTRUCTION EQUIPMENT	**36,156**	**59,856**	**23,700**
Program increase - high mobility engineer excavators		10,200	
Program increase - laser leveling systems		3,500	
Program increase - RTCH service life extension program		10,000	
53 SPARES AND REPAIR PARTS	**25,804**	**24,397**	**-1,407**
G/ATOR spares excess cost growth		-1,407	

AIRCRAFT PROCUREMENT, AIR FORCE

Fiscal year 2018 appropriation	$18,504,556,000
Fiscal year 2019 budget request	16,206,937,000
Committee recommendation	17,118,921,000
Change from budget request	+911,984,000

The Committee recommends an appropriation of $17,118,921,000 for Aircraft Procurement, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	AIRCRAFT PROCUREMENT, AIR FORCE						
	COMBAT AIRCRAFT						
	TACTICAL FORCES						
1	F-35	48	4,261,021	56	4,953,021	+8	+692,000
2	F-35 (AP-CY)	---	406,000	---	406,000	---	---
3	C-135B	2	222,176	---	---	-2	-222,176
	TOTAL, COMBAT AIRCRAFT		4,889,197		5,359,021		+469,824
	AIRLIFT AIRCRAFT/TACTICAL AIRLIFT						
4	KC-46A TANKER	15	2,559,911	15	2,293,623	---	-266,288
	OTHER AIRLIFT						
5	C-130J	---	35,858	8	675,858	+8	+640,000
6	HC-130J	1	129,437	1	129,437	---	---
8	MC-130J	6	770,201	6	749,270	---	-20,931
9	MC-130J (AP)	---	218,000	---	218,000	---	---
	TOTAL, AIRLIFT AIRCRAFT		3,713,407		4,066,188		+352,781
	OTHER AIRCRAFT						
	HELICOPTERS						
11	COMBAT RESCUE HELICOPTER	10	680,201	10	678,358	---	-1,843
	MISSION SUPPORT AIRCRAFT						
13	CIVIL AIR PATROL A/C	4	2,719	4	10,800	---	+8,081
	OTHER AIRCRAFT						
14	TARGET DRONES	48	139,053	48	100,953	---	-38,100
15	COMPASS CALL MODS	1	108,113	1	216,113	---	+108,000
17	MQ-9	8	221,707	8	221,707	---	---
17A	LIGHT ATTACK	---	---	---	40,000	---	+40,000
	TOTAL, OTHER AIRCRAFT		1,151,793		1,267,931		+116,138

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	MODIFICATION OF INSERVICE AIRCRAFT						
	STRATEGIC AIRCRAFT						
19	B-2A	---	60,301	---	60,301	---	---
20	B-1B	---	51,290	---	46,490	---	-4,800
21	B-52	---	105,519	---	85,830	---	-19,689
	TACTICAL AIRCRAFT						
23	A-10	---	98,720	---	98,720	---	---
24	C-130J	---	10,831	---	10,831	---	---
25	F-15	---	548,109	---	531,581	---	-16,528
26	F-16	---	324,323	---	323,424	---	-899
27	F-22A	---	250,710	---	260,710	---	+10,000
29	F-35 MODIFICATIONS	---	247,271	---	247,271	---	---
30	F-15 EPAW	---	147,685	---	214,885	---	+67,200
31	INCREMENT 3.2b	---	9,007	---	2,007	---	-7,000
33	KC-46A TANKER	---	8,547	---	8,547	---	---
	AIRLIFT AIRCRAFT						
34	C-5	---	77,845	---	67,909	---	-9,936
36	C-17A	---	102,121	---	77,221	---	-24,900
37	C-21	---	17,516	---	17,516	---	---
38	C-32A	---	4,537	---	4,537	---	---
39	C-37A	---	419	---	419	---	---
	TRAINER AIRCRAFT						
41	GLIDER MODS	---	137	---	137	---	---
42	T6	---	22,550	---	22,550	---	---
43	T-1	---	21,952	---	21,952	---	---
44	T-38	---	70,623	---	70,623	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	OTHER AIRCRAFT						
45	U-2 MODS	---	48,774	---	48,774	---	---
46	KC-10A (ATCA)	---	11,104	---	11,104	---	---
47	C-12	---	4,900	---	4,900	---	---
48	VC-25A MOD	---	36,938	---	36,938	---	---
49	C-40	---	251	---	251	---	---
50	C-130	---	22,094	---	151,094	---	+129,000
51	C130J MODS	---	132,045	---	132,045	---	---
52	C-135	---	113,076	---	91,410	---	-21,666
53	OC-135B	---	5,913	---	5,913	---	---
54	COMPASS CALL MODS	---	49,885	---	135,885	---	+86,000
55	COMBAT FLIGHT INSPECTION (CFIN)	---	499	---	499	---	---
56	RC-135	---	394,532	---	394,532	---	---
57	E-3	---	133,906	---	116,865	---	-17,041
58	E-4	---	67,858	---	67,858	---	---
59	E-8	---	9,919	---	9,919	---	---
60	AIRBORNE WARNING AND CONTROL SYSTEM	---	57,780	---	57,780	---	---
61	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	3	14,293	3	14,293	---	---
62	H-1	---	2,940	---	2,940	---	---
63	H-60	---	55,466	---	51,466	---	-4,000
64	RQ-4 UAV MODS	---	23,715	---	23,715	---	---
65	HC/MC-130 MODIFICATIONS	---	37,754	---	37,754	---	---
66	OTHER AIRCRAFT	---	62,010	---	162,410	---	+100,400
67	MQ-9 MODS	---	171,548	---	171,548	---	---
69	CV-22 MODS	---	60,416	---	60,416	---	---
	TOTAL, MODIFICATION OF INSERVICE AIRCRAFT		3,697,629		3,963,770		+266,141

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	AIRCRAFT SPARES AND REPAIR PARTS						
70	INITIAL SPARES/REPAIR PARTS	---	956,408	---	865,908	---	-90,500
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
	COMMON SUPPORT EQUIPMENT						
71	AIRCRAFT REPLACEMENT SUPPORT EQUIP	---	81,241	---	81,241	---	---
	POST PRODUCTION SUPPORT						
74	B-2A	---	1,763	---	1,763	---	---
75	B-2B	---	35,861	---	35,861	---	---
76	B-52	---	12,819	---	12,819	---	---
77	C-17A	---	10,114	---	10,114	---	---
79	F-15	---	2,545	---	2,545	---	---
81	F-16 POST PRODUCTION SUPPORT	---	11,718	---	4,918	---	-6,800
82	F-22A	---	14,489	---	14,489	---	---
83	OTHER AIRCRAFT	---	9,928	---	9,928	---	---
84	RQ-4 POST PRODUCTION CHARGES	---	40,641	---	40,641	---	---
	INDUSTRIAL PREPAREDNESS						
86	INDUSTRIAL PREPAREDNESS	---	17,378	---	17,378	---	---
	WAR CONSUMABLES						
88	WAR CONSUMABLES	---	29,342	---	29,342	---	---
	OTHER PRODUCTION CHARGES						
89	OTHER PRODUCTION CHARGES	---	1,502,386	---	1,306,786	---	-195,600
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		1,770,225		1,567,825		-202,400
	CLASSIFIED PROGRAMS	---	28,278	---	28,278	---	---
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE		16,206,937		17,118,921		+911,984

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
1	**F-35**	**4,261,021**	**4,953,021**	**692,000**
	Program increase - eight aircraft		740,000	
	Unit cost savings		-48,000	
3	**C-135B**	**222,176**	**0**	**-222,176**
	Funding ahead of need		-200,802	
	OC-135 recap integration and risk reduction - transfer to RDTE,AF line 260		-21,374	
4	**KC-46**	**2,559,911**	**2,293,623**	**-266,288**
	Unit cost savings		-105,735	
	ICS excess to need		-60,500	
	Depot stand up ahead of need		-65,235	
	Aircrew training system ahead of need		-34,818	
5	**C-130J**	**35,858**	**675,858**	**640,000**
	Program increase - eight aircraft for Air National Guard		640,000	
8	**MC-130J**	**770,201**	**749,270**	**-20,931**
	Unit cost growth		-20,931	
11	**COMBAT RESCUE HELICOPTER**	**680,201**	**678,358**	**-1,843**
	Depot strategy undetermined		-1,843	
13	**CIVIL AIR PATROL**	**2,719**	**10,800**	**8,081**
	Program increase		8,081	
14	**TARGET DRONES**	**139,053**	**100,953**	**-38,100**
	Forward financing		-38,100	
15	**COMPASS CALL MODS**	**108,113**	**216,113**	**108,000**
	Program increase - accelerate fourth EC-37B aircraft		108,000	
17A	**LIGHT ATTACK**	**0**	**40,000**	**40,000**
	Program increase		40,000	
20	**B-1B**	**51,290**	**46,490**	**-4,800**
	FIDL ICS excess to need		-4,800	
21	**B-52**	**105,519**	**85,830**	**-19,689**
	Crypto mod - Air Force requested transfer to RDTE,AF line 173		-12,000	
	Crypto mod excess to need		-2,759	
	Tactical Data Link - Air Force requested transfer to RDTE,AF line 173		-1,450	
	Tactical Data Link excess to need		-1,526	
	Airspace compliance funding ahead of need		-1,954	
25	**F-15**	**548,109**	**531,581**	**-16,528**
	IRST - previously funded requirement		-10,000	
	APG-82 install cost growth		-6,528	

P-1		Budget Request	Committee Recommended	Change from Request
26	**F-16**	**324,323**	**323,424**	**-899**
	AESA - previously funded requirement		-899	
27	**F-22**	**250,710**	**260,710**	**10,000**
	Program increase - RAMMP		10,000	
30	**F-15 EPAWSS**	**147,685**	**214,885**	**67,200**
	Program increase - restore EPAWSS for F-15C		67,200	
31	**F-22 INCREMENT 3.2B**	**9,007**	**2,007**	**-7,000**
	Install funding ahead of need		-7,000	
34	**C-5**	**77,845**	**67,909**	**-9,936**
	Mission computer and weather radar cost growth		-9,936	
36	**C-17**	**102,121**	**77,221**	**-24,900**
	Training system ahead of need		-24,900	
50	**C-130**	**22,094**	**151,094**	**129,000**
	Program increase -engine enhancement program		74,000	
	Program increase - eight-blade propeller upgrade		55,000	
52	**C-135**	**113,076**	**91,410**	**-21,666**
	Aero-I SATCOM ahead of need		-21,666	
54	**COMPASS CALL MODS**	**49,885**	**135,885**	**86,000**
	Program increase - accelerate fourth EC-37B aircraft		86,000	
57	**E-3**	**133,906**	**116,865**	**-17,041**
	Electronic protection ahead of need		-17,041	
63	**H-60**	**55,466**	**51,466**	**-4,000**
	Block 162 prior year carryover		-4,000	
66	**OTHER AIRCRAFT**	**62,010**	**162,410**	**100,400**
	FCMT excess to need		-4,600	
	Program increase - Battlefield Airborne Communication Node		105,000	
70	**INITIAL SPARES/REPAIR PARTS**	**956,408**	**865,908**	**-90,500**
	KC-46 spares ahead of need		-182,500	
	Program increase - F-35A additional spares		42,000	
	Program increase - F-22 mission critical spares		50,000	
81	**F-16**	**11,718**	**4,918**	**-6,800**
	AESA - previously funded requirement		-2,600	
	Production line shutdown excess to need		-4,200	
89	**OTHER PRODUCTION CHARGES**	**1,502,386**	**1,306,786**	**-195,600**
	Classified adjustment		-5,600	
	Classified adjustment		-190,000	

MQ–9

The Committee notes that in its fiscal year 2017 budget request, the Air Force indicated no plans to procure MQ–9 Reaper aircraft in fiscal year 2018 and beyond. The fiscal year 2018 budget request included 16 aircraft, but again projected no further aircraft procurement in fiscal year 2019 and beyond. The fiscal year 2019 request includes 29 aircraft. The Air Force now indicates plans to procure four aircraft per year in fiscal years 2020, 2021, and 2022, and then increase to a quantity of 13 in 2023. The Committee finds this procurement profile to be neither sustainable nor sufficient to meet known requirements. The Committee is aware that the Air Force projects a need for further aircraft beyond the current future years defense plan based on current requirements and projected attrition. The Committee recommends funding MQ–9 procurement to an efficient rate of 24 aircraft in fiscal year 2019. Further, the Committee urges the Secretary of the Air Force to reconsider the MQ–9 procurement profile and, beginning with the fiscal year 2020 request, to budget for a steady, sustainable, and economically efficient rate of MQ–9 procurement throughout the future years defense plan.

C–135B

The Air Force budget request includes $222,176,000 for the procurement of two aircraft to replace the OC–135 aircraft that currently perform United States overflights under the Open Skies Treaty. The recommendation does not include funding for the procurement of the two aircraft for two reasons. First, the Air Force has not finalized an acquisition strategy, to include the vital decision of whether to pursue Open Skies recapitalization as a sole-source acquisition or a full and open competition. Second, the Air Force has not funded the integration effort as indicated in the December 2017 decision memorandum that recommended the acquisition of a new platform. The Committee recommendation reflects neither a judgment on the merit of the Open Skies Treaty nor a rejection of the valid sustainability and aircraft performance concerns regarding the OC–135 that are cited by the Air Force as a rationale for recapitalization.

The Committee recommends transferring $21,374,000 from Aircraft Procurement, Air Force to Research, Development, Test and Evaluation, Air Force to fund integration and risk reduction efforts for the eventual replacement aircraft. The Committee understands that the acquisition strategy may be finalized by August 2018. Therefore, the Committee directs the Secretary of the Air Force to provide a report to the congressional defense committees on the selected acquisition strategy, as well as an updated cost estimate and schedule pursuant to that strategy, not later than September 30, 2018.

BATTLEFIELD AIRBORNE COMMUNICATION NODE

The Committee is aware that the Air Force recently decided to transfer the Battlefield Airborne Communication Node (BACN) system to a program of record and is in the process of documenting a requirement for one or more additional BACN platforms. The

Committee understands that a need for additional BACN capacity could be satisfied with the acquisition of a new RQ–4 Global Hawk aircraft, the modification of an existing Global Hawk Block 30 aircraft, or the acquisition of a new E–11A aircraft. Therefore, the recommendation includes an increase of $105,000,000 for BACN. Furthermore, the Committee directs the Secretary of the Air Force to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on the updated BACN requirement, the chosen course of action for meeting a documented need for additional BACN aircraft, and a spending plan for the additional funding recommended by the Committee.

COMPASS CALL

The recommendation includes an increase of $194,000,000 above the budget request to procure and modify one additional EC–37B Compass Call aircraft, with the expectation that such funds will allow the Air Force to accelerate the fielding of the fourth such aircraft to meet combatant commander needs and mitigate performance concerns regarding the legacy EC–130H fleet. The Committee recommends that the Secretary of the Air Force consider increasing the procurement of EC–37B aircraft to two per year if such a pace of recapitalization can be achieved without unduly disrupting the operational availability of Compass Call capability for the combatant commanders.

LIGHT ATTACK

The Committee is aware that the Air Force has commenced a second phase of experimentation with light attack aircraft. The Committee believes that a light attack aircraft can provide a cost-efficient capability to perform missions in permissive environments and build capacity with international partners, while preserving fourth and fifth generation assets for scenarios involving peer and near-peer competitors and increasing training opportunities for Air Force fighter pilots. The Committee notes that while the Air Force may seek to initiate an acquisition program in the near future, the fiscal year 2019 budget request includes no funding to procure a light attack aircraft. Therefore, the Committee recommendation includes an increase of $40,000,000 above the request to initiate an acquisition program for light attack aircraft pending a decision by the Air Force. The Committee further notes that the Department of Defense Appropriations Act, 2018, provided $100,000,000 to implement the experimentation campaign for light attack in the Research, Development, Test and Evaluation, Air Force account. Should funds from this previous appropriation remain available upon the completion of the experimentation campaign, the Committee encourages the Secretary of the Air Force to submit a reprogramming request to augment the funding for procurement provided in this Act.

The Committee further directs the Secretary of the Air Force to brief the House and Senate Appropriations Committees at the earliest possible date, but not later than 30 days following a decision to proceed with procurement of a light attack aircraft, on the proposed course of action for light attack, to include the results of the experimentation campaign; the objectives, cost estimates, schedule,

and contracting strategy for any proposed acquisition program; and an integration strategy for effectively incorporating light attack aircraft into the Air Force's force structure.

F–22

The Committee notes that in August 2017 the Air Force submitted a report to the congressional defense committees on the upgrade of 34 F–22 training and flight test aircraft from their current Block 20 configuration to a Block 30 Increment 3.2B configuration. The Air Force estimated that such an effort could require as much as $1,718,000,000 and eight years to complete, and would carry significant technical and programmatic risk. However, such an upgrade would increase the effective number of available combat aircraft and allow pilots to train and fight with the same configuration of aircraft, should additional funding be made available for the effort.

With a fleet of just 186 F–22 aircraft, the Committee believes that all possible efforts for maximizing operational availability and realistic training should be considered, including a potential Block 20 upgrade effort and other cost effective options. Therefore, the Committee directs the Secretary of the Air Force to submit a report to the congressional defense committees not later than 120 days after the enactment of this Act that includes an analysis of current trends in F–22 availability and the major drivers of variance in mission capable rates, options (including required funding) for improving F–22 availability and mission capable rates, the impact of the Block 20 configuration on the quality of both pilot training and flight testing, and options (including required funding) for material solutions other than a Block 20 upgrade to improving the quality of F–22 pilot training.

In addition, the Committee recommendation includes an increase of $50,000,000 above the request for mission critical spares, and $10,000,000 above the request for the F–22 Reliability, Availability, and Maintainability Program, to increase near-term F–22 availability and mission capability.

MISSILE PROCUREMENT, AIR FORCE

Fiscal year 2018 appropriation	$2,207,747,000
Fiscal year 2019 budget request	2,669,454,000
Committee recommendation	2,591,982,000
Change from budget request	−77,472,000

The Committee recommends an appropriation of $2,591,982,000 for Missile Procurement, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	MISSILE PROCUREMENT, AIR FORCE						
	BALLISTIC MISSILES						
	MISSILE REPLACEMENT EQUIPMENT - BALLISTIC						
1	MISSILE REPLACEMENT EQ-BALLISTIC	---	36,786	---	18,066	---	-18,720
	OTHER MISSILES						
	TACTICAL						
2	JOINT AIR-SURFACE STANDOFF MISSILE (JASSM)	312	430,708	312	417,708	---	-13,000
3	LONG RANGE ANTI-SHIP MISSILE (LRASMO)	12	44,185	12	37,909	---	-6,276
4	SIDEWINDER (AIM-9X)	256	121,253	256	121,253	---	---
5	AMRAAM	220	337,886	220	304,886	---	-33,000
6	PREDATOR HELLFIRE MISSILE	1,338	113,765	1,338	113,765	---	---
7	SMALL DIAMETER BOMB	2,917	105,034	2,917	105,034	---	---
8	SMALL DIAMETER BOMB II	510	100,861	510	100,861	---	---
	INDUSTRIAL FACILITIES						
9	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION	---	787	---	787	---	---
	TOTAL, OTHER MISSILES		1,254,479		1,202,203		-52,276
	MODIFICATION OF INSERVICE MISSILES						
	CLASS IV						
10	ICBM FUZE MOD	---	15,767	---	9,841	---	-5,926
11	ICBM FUZE MOD	---	4,100	---	4,100	---	---
12	MM III MODIFICATIONS	---	129,199	---	128,649	---	-550
13	AGM-65D MAVERICK	---	288	---	288	---	---
14	AIR LAUNCH CRUISE MISSILE	---	47,632	---	47,632	---	---
	TOTAL, MODIFICATION OF INSERVICE MISSILES		196,986		190,510		-6,476
	SPARES AND REPAIR PARTS						
16	INITIAL SPARES/REPAIR PARTS	---	97,481	---	97,481	---	---
	SPECIAL PROGRAMS						
18	SPECIAL UPDATE PROGRAMS	---	188,539	---	188,539	---	---
	CLASSIFIED PROGRAMS	---	895,183	---	895,183	---	---
	TOTAL, SPECIAL PROGRAMS		1,083,722		1,083,722		---
	TOTAL, MISSILE PROCUREMENT, AIR FORCE		2,669,454		2,591,982		-77,472

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
1	**MISSILE REPLACEMENT EQUIPMENT-BALLISTIC**	**36,786**	**18,066**	**-18,720**
	TERP delays		-18,720	
2	**JASSM**	**430,708**	**417,708**	**-13,000**
	Testing excess to need		-9,000	
	Unit cost adjustment		-4,000	
3	**LRASM**	**44,185**	**37,909**	**-6,276**
	Unit cost adjustment		-6,276	
5	**AMRAAM**	**337,886**	**304,886**	**-33,000**
	Unit cost adjustment		-33,000	
10	**ICBM FUZE MOD**	**15,767**	**9,841**	**-5,926**
	Recurring procurement ahead of need		-5,926	
12	**MMIII MODIFICATIONS**	**129,199**	**128,649**	**-550**
	LCCBU - savings from single contract award		-550	

SPACE PROCUREMENT, AIR FORCE

Fiscal year 2018 appropriation	$3,552,175,000
Fiscal year 2019 budget request	2,527,542,000
Committee recommendation	2,388,642,000
Change from budget request	−138,900,000

The Committee recommends an appropriation of $2,388,642,000 for Space Procurement, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	SPACE PROCUREMENT, AIR FORCE						
	SPACE PROGRAMS						
1	ADVANCED EHF	---	29,829	---	29,829	---	---
2	AF SATELLITE COMM SYSTEM	---	35,400	---	35,400	---	---
3	COUNTERSPACE SYSTEMS	---	1,121	---	1,121	---	---
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	---	27,867	---	27,867	---	---
5	WIDEBAND GAPFILLER SATELLITES	---	61,606	---	12,106	---	-49,500
6	GENERAL INFORMATION TECHNOLOGY - SPACE	---	3,425	---	2,425	---	-1,000
7	GPS III SPACE SEGMENT	---	69,386	---	69,386	---	---
8	GLOBAL POSITIONING (SPACE)	---	2,181	---	2,181	---	---
9	INTEG BROADCAST SERV	---	16,445	---	16,445	---	---
10	SPACE COMMUNICATIONS SECURITY	---	31,895	---	28,495	---	-3,400
12	MILSATCOM TERMINALS	---	11,265	---	11,265	---	---
13	SPACE LAUNCH CAPABILITY	---	709,981	---	709,981	---	---
14	SPACE LAUNCH SERVICES	3	994,555	3	954,555	---	-40,000
15	SBIR HIGH (SPACE)	---	138,397	---	108,397	---	-30,000
17	NUDET DETECTION SYSTEM SPACE	---	7,705	---	7,705	---	---
18	ROCKET SYSTEM LAUNCH PROGRAM	---	47,609	---	47,609	---	---
19	SPACE FENCE	---	51,361	---	46,361	---	-5,000
20	SPACE MODS SPACE	---	148,065	---	148,065	---	---
21	SPACELIFT RANGE SYSTEM SPACE	---	117,637	---	112,637	---	-5,000
	SPARES AND REPAIR PARTS						
22	INITIAL SPARES/REPAIR PARTS	---	21,812	---	16,812	---	-5,000
	TOTAL, SPACE PROCUREMENT, AIR FORCE		2,527,542		2,388,642		-138,900

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
5	WIDEBAND GAPFILLER SATELLITES	61,606	12,106	-49,500
	Commercial Satellite Communications - transfer to RDTE,AF line 127A		-49,500	
6	GENERAL INFORMATION TECH - SPACE	3,425	2,425	-1,000
	Insufficient justification		-1,000	
10	SPACE COMMUNICATIONS SECURITY	31,895	28,495	-3,400
	Unjustified request		-3,400	
14	SPACE LAUNCH SERVICES	994,555	954,555	-40,000
	Improving funds management		-40,000	
15	SPACE BASED INFRARED SYSTEM HIGH (SPACE)	138,397	108,397	-30,000
	Early to need		-30,000	
19	SPACE FENCE	51,361	46,361	-5,000
	Insufficient justification		-5,000	
21	SPACELIFT RANGE SYSTEM	117,637	112,637	-5,000
	Improving funds management		-5,000	
22	SPARE AND REPAIR PARTS	21,812	16,812	-5,000
	Unobligated balances		-5,000	

WIDEBAND GAPFILLER SATELLITES

The Department of Defense Appropriations Act, 2018, included $600,000,000 above the budget request for two additional Wideband Gapfiller Satellites (WGS); however, the funding has not yet been obligated for that purpose. The Committee directs the Secretary of the Air Force to expeditiously procure the two satellites and to budget for launch and operation and maintenance costs in subsequent budget requests. Further, none of the funds appropriated in the Department of Defense Appropriations Act, 2018, may be used to procure any launch service for WGS space vehicles 11 and 12; delivery on-orbit or otherwise.

PROCUREMENT OF AMMUNITION, AIR FORCE

Fiscal year 2018 appropriation	$1,651,977,000
Fiscal year 2019 budget request	1,587,304,000
Committee recommendation	1,468,992,000
Change from budget request	−118,312,000

The Committee recommends an appropriation of $1,468,992,000 for Procurement of Ammunition, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	PROCUREMENT OF AMMUNITION, AIR FORCE						
	PROCUREMENT OF AMMO, AIR FORCE						
1	ROCKETS	---	345,911	---	261,611	---	-84,300
2	CARTRIDGES	---	163,840	---	158,640	---	-5,200
	BOMBS						
3	PRACTICE BOMBS	---	20,876	---	20,876	---	---
4	GENERAL PURPOSE BOMBS	---	259,308	---	259,308	---	---
5	MASSIVE ORDNANCE PENETRATOR (MOP)	---	38,111	---	38,111	---	---
6	JOINT DIRECT ATTACK MUNITION	7,899	234,198	7,899	234,198	---	---
7	B61	250	109,292	250	109,292	---	---
8	B61	---	52,731	---	24,443	---	-28,288
	FLARE, IR MJU-7B						
9	CAD/PAD	---	51,455	---	51,455	---	---
10	EXPLOSIVE ORDNANCE DISPOSAL (EOD)	---	6,038	---	6,038	---	---
11	SPARES AND REPAIR PARTS	---	524	---	---	---	-524
12	MODIFICATIONS	---	1,270	---	1,270	---	---
13	ITEMS LESS THAN $5,000,000	---	4,604	---	4,604	---	---
	FLARES/FUZES						
15	FLARES	---	125,286	---	125,286	---	---
16	FUZES	---	109,358	---	109,358	---	---
	TOTAL, PROCUREMENT OF AMMO, AIR FORCE		1,522,802		1,404,490		-118,312
	WEAPONS						
17	SMALL ARMS	---	64,502	---	64,502	---	---
	TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE		1,587,304		1,468,992		-118,312

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
1	**ROCKETS**	**345,911**	**261,611**	**-84,300**
	Previously funded requirement		-73,300	
	WGU-59 single variant insufficient justification		-11,000	
2	**CARTRIDGES**	**163,840**	**158,640**	**-5,200**
	PGU-48 unjustified growth		-5,200	
8	**B61 (AP)**	**52,731**	**24,443**	**-28,288**
	Unit cost growth		-28,288	
11	**SPARES AND REPAIR PARTS**	**524**	**0**	**-524**
	Unjustified request		-524	

OTHER PROCUREMENT, AIR FORCE

Fiscal year 2018 appropriation	$20,503,273,000
Fiscal year 2019 budget request	20,890,164,000
Committee recommendation	20,597,574,000
Change from budget request	−292,590,000

The Committee recommends an appropriation of $20,597,574,000 for Other Procurement, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	OTHER PROCUREMENT, AIR FORCE						
	VEHICULAR EQUIPMENT						
	PASSENGER CARRYING VEHICLES						
1	PASSENGER CARRYING VEHICLE	---	6,949	---	6,949	---	---
	CARGO + UTILITY VEHICLES						
2	FAMILY MEDIUM TACTICAL VEHICLE	---	36,002	---	36,002	---	---
3	CAP VEHICLES	---	1,022	---	1,700	---	+678
4	ITEMS LESS THAN $5M (CARGO AND UTILITY VEHICLES)	---	42,696	---	42,696	---	---
	SPECIAL PURPOSE VEHICLES						
5	JOINT LIGHT TACTICAL VEHICLE	---	30,145	---	28,695	---	-1,450
6	SECURITY AND TACTICAL VEHICLES	---	1,230	---	1,230	---	---
7	ITEMS LESS THAN $5M (SPECIAL PURPOSE VEHICLES)	---	43,003	---	43,003	---	---
	FIRE FIGHTING EQUIPMENT						
8	FIRE FIGHTING/CRASH RESCUE VEHICLES	---	23,328	---	23,328	---	---
	MATERIALS HANDLING EQUIPMENT						
9	ITEMS LESS THAT $5M (MATERIALS HANDLING EQUIPMENT)	---	11,537	---	11,537	---	---
	BASE MAINTENANCE SUPPORT						
10	RUNWAY SNOW REMOVAL & CLEANING EQUIP	---	37,600	---	37,600	---	---
11	ITEMS LESS THAN $5M (BASE MAINTENANCE SUPPORT VEHICLES)	---	104,923	---	104,923	---	---
	TOTAL, VEHICULAR EQUIPMENT		338,435		337,663		-772
	ELECTRONICS AND TELECOMMUNICATIONS EQUIP						
	COMM SECURITY EQUIPMENT(COMSEC)						
12	COMSEC EQUIPMENT	---	114,372	---	113,349	---	-1,023
	INTELLIGENCE PROGRAMS						
13	INTERNATIONAL INTEL TECH AND ARCHITECTURES	---	8,290	---	8,290	---	---
14	INTELLIGENCE TRAINING EQUIPMENT	---	2,099	---	1,099	---	-1,000
15	INTELLIGENCE COMM EQUIP	---	37,415	---	16,146	---	-21,269
	ELECTRONICS PROGRAMS						
16	TRAFFIC CONTROL/LANDING	---	57,937	---	8,721	---	-49,216
18	BATTLE CONTROL SYSTEM - FIXED	---	3,012	---	3,012	---	---
19	THEATER AIR CONTROL SYS IMPRO	---	19,989	---	19,989	---	---
20	WEATHER OBSERVATION FORECAST	---	45,020	---	45,020	---	---
21	STRATEGIC COMMAND AND CONTROL	---	32,836	---	32,836	---	---
22	CHEYENNE MOUNTAIN COMPLEX	---	12,454	---	12,454	---	---
23	MISSION PLANNING SYSTEMS	---	14,263	---	12,263	---	-2,000
25	INTEGRATED STRAT PLAN AND ANALY NETWORK (ISPAN)	---	7,769	---	7,769	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	SPECIAL COMM-ELECTRONICS PROJECTS						
26	GENERAL INFORMATION TECHNOLOGY	---	40,450	---	30,450	---	-10,000
27	AF GLOBAL COMMAND & CONTROL SYSTEM	---	6,619	---	6,619	---	---
28	MOBILITY COMMAND AND CONTROL	---	10,192	---	10,192	---	---
29	AIR FORCE PHYSICAL SECURITY SYSTEM	---	159,313	---	99,313	---	-60,000
30	COMBAT TRAINING RANGES	---	132,675	---	132,675	---	---
31	MINIMUM ESSENTIAL EMERGENCY COMM N	---	140,875	---	140,875	---	---
32	WIDE AREA SURVEILLANCE (WAS)	---	92,104	---	74,104	---	-18,000
33	C3 COUNTERMEASURES	---	45,152	---	30,152	---	-15,000
34	GCSS-AF FOS	---	483	---	483	---	---
35	DEFENSE ENTERPRISE ACCOUNTING AND MGMT	---	802	---	802	---	---
36	MAINTENANCE REPAIR AND OVERHAUL INITIATIVE	---	12,207	---	12,207	---	---
37	THEATER BATTLE MGT C2 SYS	---	7,644	---	5,524	---	-2,120
38	AIR AND SPACE OPERATIONS CTR-WPN SYSTEM	---	40,066	---	35,066	---	-5,000
	AIR FORCE COMMUNICATIONS						
41	INFORMATION TRANSPORT SYSTEMS	---	22,357	---	14,357	---	-8,000
42	AFNET	---	102,836	---	82,836	---	-20,000
43	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	---	3,145	---	3,145	---	---
44	USCENTCOM	---	13,194	---	8,194	---	-5,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	ORGANIZATION AND BASE						
45	TACTICAL C-E EQUIPMENT	---	161,231	---	161,231	---	---
47	RADIO EQUIPMENT	---	12,142	---	12,142	---	---
48	CCTV/AUDIOVISUAL EQUIPMENT	---	6,505	---	3,255	---	-3,250
49	BASE COMM INFRASTRUCTURE	---	169,404	---	149,404	---	-20,000
	MODIFICATIONS						
50	COMM ELECT MODS	---	10,654	---	10,654	---	---
	TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP		1,545,506		1,304,628		-240,878
	OTHER BASE MAINTENANCE AND SUPPORT EQUIP						
	PERSONAL SAFETY AND RESCUE EQUIP						
51	ITEMS LESS THAN $5,000,000 (SAFETY)	---	51,906	---	51,906	---	---
	DEPOT PLANT + MATERIALS HANDLING EQ						
52	MECHANIZED MATERIAL HANDLING	---	88,298	---	88,298	---	---
	BASE SUPPORT EQUIPMENT						
53	BASE PROCURED EQUIPMENT	---	17,031	---	17,031	---	---
54	ENGINEERING AND EOD EQUIPMENT	---	82,635	---	82,635	---	---
55	MOBILITY EQUIPMENT	---	9,549	---	9,549	---	---
56	ITEMS LESS THAN $5M (BASE SUPPORT)	---	24,005	---	24,005	---	---
	SPECIAL SUPPORT PROJECTS						
58	DARP RC135	---	26,262	---	26,262	---	---
59	DISTRIBUTED GROUND SYSTEMS	---	448,290	---	378,490	---	-69,800
61	SPECIAL UPDATE PROGRAM	---	913,813	---	913,813	---	---
	TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP		1,661,789		1,591,989		-69,800
	SPARE AND REPAIR PARTS						
63	SPARES AND REPAIR PARTS	---	86,365	---	12,625	---	-73,740
	CLASSIFIED PROGRAMS	---	17,258,069	---	17,350,669	---	+92,600
	TOTAL, OTHER PROCUREMENT, AIR FORCE		20,890,164		20,597,574		-292,590

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
3	CAP VEHICLES	1,022	1,700	678
	Program increase		678	
5	JOINT LIGHT TACTICAL VEHICLE	30,145	28,695	-1,450
	Unit cost adjustment		-1,450	
12	COMSEC EQUIPMENT	114,372	113,349	-1,023
	VACM late contract award		-1,023	
14	INTELLIGENCE TRAINING EQUIPMENT	2,099	1,099	-1,000
	Insufficient justification / underexecution		-1,000	
15	INTELLIGENCE COMM EQUIPMENT	37,415	16,146	-21,269
	FSST previously funded		-21,269	
16	AIR TRAFFIC CONTROL & LANDING SYSTEMS	57,937	8,721	-49,216
	D-RAPCON program cost growth		-49,216	
23	MISSION PLANNING SYSTEMS	14,263	12,263	-2,000
	Underexecution		-2,000	
26	GENERAL INFORMATION TECHNOLOGY	40,450	30,450	-10,000
	Historic underexecution		-10,000	
29	AIR FORCE PHYSICAL SECURITY SYSTEM	159,313	99,313	-60,000
	Previously funded requirement		-60,000	
32	WIDE AREA SURVEILLANCE	92,104	74,104	-18,000
	ICS unjustified growth		-12,000	
	PMA unjustified growth		-6,000	
33	C3 COUNTERMEASURES	45,152	30,152	-15,000
	Underexecution		-15,000	
37	TBMC2 SYSTEM	7,644	5,524	-2,120
	C2 info services unjustified growth		-2,120	
38	AOC	40,066	35,066	-5,000
	Fielding SPO support unjustified growth		-5,000	
41	BITI WIRED	22,357	14,357	-8,000
	Underexecution		-8,000	
42	AFNET	102,836	82,836	-20,000
	Prior year carryover		-20,000	
44	USCENTCOM	13,194	8,194	-5,000
	Underexecution		-5,000	

P-1		Budget Request	Committee Recommended	Change from Request
48	CCTV/AV EQUIPMENT	6,505	3,255	-3,250
	Underexecution		-3,250	
49	BASE COMM INFRASTRUCTURE	169,404	149,404	-20,000
	Underexecution		-20,000	
59	DCGS-AF	448,290	378,490	-69,800
	Previously funded requirement		-69,800	
63	SPARES AND REPAIR PARTS	86,365	12,625	-73,740
	MEECN spares not executable		-73,740	
999	CLASSIFIED PROGRAMS	17,258,069	17,350,669	92,600
	Classified adjustment		92,600	

PROCUREMENT, DEFENSE-WIDE

Fiscal year 2018 appropriation	$5,429,270,000
Fiscal year 2019 budget request	6,786,271,000
Committee recommendation	6,711,225,000
Change from budget request	−75,046,000

The Committee recommends an appropriation of $6,711,225,000 for Procurement, Defense-Wide which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	PROCUREMENT, DEFENSE-WIDE						
	MAJOR EQUIPMENT						
	MAJOR EQUIPMENT, DCAA						
1	MAJOR EQUIPMENT ITEMS LESS THAN $5M	---	2,542	---	2,542	---	---
	MAJOR EQUIPMENT, DCMA						
2	MAJOR EQUIPMENT	---	3,873	---	3,873	---	---
	MAJOR EQUIPMENT, DHRA						
3	PERSONNEL ADMINISTRATION	---	10,630	---	10,630	---	---
	MAJOR EQUIPMENT, DISA						
7	INFORMATION SYSTEMS SECURITY	---	21,590	---	26,590	---	+5,000
8	TELEPORT PROGRAM	---	33,905	---	33,905	---	---
9	ITEMS LESS THAN $5M	---	27,886	---	27,886	---	---
10	NET CENTRIC ENTERPRISE SERVICES (NCES)	---	1,017	---	1,017	---	---
11	DEFENSE INFORMATION SYSTEMS NETWORK	---	150,674	---	150,674	---	---
13	WHITE HOUSE COMMUNICATION AGENCY	---	94,610	---	94,610	---	---
14	SENIOR LEADERSHIP ENTERPRISE	---	197,246	---	197,246	---	---
16	JOINT REGIONAL SECURITY STACKS (JRSS)	---	140,338	---	140,338	---	---
17	JOINT SERVICE PROVIDER	---	107,182	---	107,182	---	---
	MAJOR EQUIPMENT, DLA						
18	MAJOR EQUIPMENT	---	5,225	---	5,225	---	---
	MAJOR EQUIPMENT, DMACT						
19	A - WEAPON SYSTEM COST	3	13,106	3	13,106	---	---
	MAJOR EQUIPMENT, DODEA						
20	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	---	1,723	---	1,723	---	---
	MAJOR EQUIPMENT, DSS						
21	MAJOR EQUIPMENT	---	1,196	---	1,196	---	---
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY						
23	VEHICLES	---	207	---	207	---	---
24	OTHER MAJOR EQUIPMENT	---	5,592	---	5,592	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	MAJOR EQUIPMENT, MDA						
26	THAAD SYSTEM	82	874,068	82	874,068	---	---
27	GROUND BASED MIDCOURSE	14	409,000	14	396,000	---	-13,000
28	GROUND BASED MIDCOURSE (AP-CY)	---	115,000	---	112,000	---	-3,000
29	AEGIS BMD	43	593,488	43	679,639	---	+86,151
30	AEGIS BMD (AP)	---	115,206	---	---	---	-115,206
31	BMDS AN/TPY-2 RADARS	---	13,185	---	13,185	---	---
32	ISRAELI PROGRAMS	---	80,000	---	80,000	---	---
33	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)	---	50,000	---	50,000	---	---
34	AEGIS ASHORE PHASE III	---	15,000	---	15,000	---	---
35	IRON DOME SYSTEM	---	70,000	---	70,000	---	---
36	AEGIS BMD HARDWARE AND SOFTWARE	28	97,057	28	97,057	---	---
	MAJOR EQUIPMENT, NSA						
42	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	---	5,403	---	5,403	---	---
	MAJOR EQUIPMENT, OSD						
43	MAJOR EQUIPMENT, OSD	---	35,295	---	35,295	---	---
	MAJOR EQUIPMENT, TJS						
44	MAJOR EQUIPMENT, TJS	---	4,360	---	4,360	---	---
45	MAJOR EQUIPMENT, TJS-CE2T2	---	904	---	904	---	---
	MAJOR EQUIPMENT, WHS						
46	MAJOR EQUIPMENT, WHS	---	497	---	497	---	---
	TOTAL, MAJOR EQUIPMENT		3,297,005		3,256,950		-40,055
	SPECIAL OPERATIONS COMMAND						
	AVIATION PROGRAMS						
50	SOF ROTARY WING UPGRADES AND SUSTAINMENT	---	148,351	---	148,351	---	---
51	UNMANNED ISR	---	57,708	---	57,708	---	---
52	NON-STANDARD AVIATION	---	18,731	---	18,731	---	---
53	SOF U-28	---	32,301	---	32,301	---	---
54	MH-47 CHINOOK	---	131,033	---	131,033	---	---
55	CV-22 SOF MODIFICATION	---	32,529	---	32,529	---	---
56	MQ-9 UNMANNED AERIAL VEHICLE	---	24,621	---	24,621	---	---
57	PRECISION STRIKE PACKAGE	---	226,965	---	226,965	---	---
58	AC/MC-130J	---	165,813	---	165,813	---	---
59	C-130 MODIFICATIONS	---	80,274	---	80,274	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	BUDGET REQUEST AMOUNT	COMMITTEE RECOMMENDED QTY	COMMITTEE RECOMMENDED AMOUNT	CHANGE FROM REQUEST QTY	CHANGE FROM REQUEST AMOUNT
	SHIPBUILDING						
60	UNDERWATER SYSTEMS	---	136,723	---	136,723	---	---
	AMMUNITION PROGRAMS						
61	SOF ORDNANCE ITEMS UNDER $5,000,000	---	357,742	---	357,742	---	---
	OTHER PROCUREMENT PROGRAMS						
62	SOF INTELLIGENCE SYSTEMS	---	85,699	---	85,699	---	---
63	DCGS-SOF	---	17,863	---	17,863	---	---
64	OTHER ITEMS UNDER $5,000,000	---	112,117	---	125,852	---	+13,735
65	SOF COMBATANT CRAFT SYSTEMS	---	7,313	---	6,713	---	-600
66	SPECIAL PROGRAMS	---	14,026	---	14,026	---	---
67	TACTICAL VEHICLES	---	88,608	---	85,608	---	-3,000
68	WARRIOR SYSTEMS UNDER $5,000,000	---	438,590	---	432,364	---	-6,226
69	COMBAT MISSION REQUIREMENTS	---	19,408	---	19,408	---	---
70	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES	---	6,281	---	6,281	---	---
71	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE	---	18,509	---	18,509	---	---
73	SOF OPERATIONAL ENHANCEMENTS	---	367,433	---	319,333	---	-48,100
	TOTAL, SPECIAL OPERATIONS COMMAND		2,588,638		2,544,447		-44,191
	CHEMICAL/BIOLOGICAL DEFENSE						
76	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS	---	166,418	---	176,418	---	+10,000
77	CB PROTECTION AND HAZARD MITIGATION	---	144,519	---	144,519	---	---
	TOTAL, CHEMICAL/BIOLOGICAL DEFENSE		310,937		320,937		+10,000
	CLASSIFIED PROGRAMS	---	589,691	---	588,891	---	-800
	TOTAL, PROCUREMENT, DEFENSE-WIDE		6,786,271		6,711,225		-75,046

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
7	INFORMATION SYSTEMS SECURITY	21,590	26,590	5,000
	Program increase - Sharkseer		5,000	
27	GROUND BASED MIDCOURSE	409,000	396,000	-13,000
	Silo unit cost growth		-13,000	
28	GROUND BASED MIDCOURSE (AP-CY)	115,000	112,000	-3,000
	Excess cost growth		-3,000	
29	AEGIS BMD	593,488	679,639	86,151
	Spares excess growth		-4,925	
	SM-3 IIA unit cost growth		-5,946	
	SM-3 IIA obsolescence early to need		-2,258	
	SM-3 IIA production – transfer from line 30		99,280	
30	AEGIS BMD (AP-CY)	115,206	0	-115,206
	Excess to need		-15,926	
	Lack of justification – transfer to line 29 for SM-3 IIA production		-99,280	
64	SOF OTHER ITEMS UNDER $5M	112,117	125,852	13,735
	SOCOM requested transfer from OM,DW SAG 1PL2		13,735	
65	SOF COMBATANT CRAFT SYSTEMS	7,313	6,713	-600
	High speed assault craft program decrease		-600	
67	TACTICAL VEHICLES	88,608	85,608	-3,000
	Non-standard vehicles program decrease		-3,000	
68	SOF WARRIOR SYSTEMS UNDER $5M	438,590	432,364	-6,226
	SAT deployable node program decrease		-23,000	
	SOF tactical comms program decrease		-5,000	
	SOCOM requested transfer from OM,DW SAG 1PL2		8,974	
	Program increase - close air support radios		12,800	
73	SOF OPERATIONAL ENHANCEMENTS	367,433	319,333	-48,100
	Classified adjustment		-48,100	
76	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS	166,418	176,418	10,000
	Program increase		5,000	
	Program increase		5,000	
999	CLASSIFIED PROGRAMS	589,691	588,891	-800
	Classified adjustment		-800	

NATIONAL GUARD AND RESERVE EQUIPMENT

The Committee recommends $1,300,000,000 for National Guard and Reserve Equipment. Of that amount, $421,000,000 is for the Army National Guard; $421,000,000 is for the Air National Guard; $180,000,000 is for the Army Reserve; $65,000,000 is for the Navy Reserve; $13,000,000 is for the Marine Corps Reserve; and $200,000,000 is for the Air Force Reserve to meet urgent equipment needs that may arise in the coming fiscal year.

This funding will allow the National Guard and reserve components to procure high priority equipment that may be used by these units for both their combat missions and their missions in support of State governors. The funding within this account is not to be used to procure equipment that has been designated as high density critical equipment, major weapon systems, aircraft, and other equipment central to a unit's ability to perform its doctrinal mission. The funding within this account is not to be used to procure equipment that should be purchased by the senior Service, to expand or accelerate current Service procurement plans, to purchase expendable items, or to purchase facilities or equipment for any requirement that can be satisfied elsewhere.

The Committee directs the Secretary of Defense to ensure that the National Guard and Reserve Equipment account is executed by the Chiefs of the National Guard and reserve components with priority consideration given to the following items: acoustic hailing devices; active electronically scanned array radars; crashworthy, ballistically tolerant auxiliary fuel systems for ground and air; fifth generation certified wireless mobile mesh self-healing tamper-proof network systems; HMMWV rollover mitigation; joint threat emitters; modular small arms ranges/simulation; personal dosimeters; secure voice, text, and data communications for joint response and operations; sense and avoid systems; training systems and simulators; and unstabilized gunnery trainers and upgrades.

DEFENSE PRODUCTION ACT

Fiscal year 2018 appropriation	$67,401,000
Fiscal year 2019 budget request	38,578,000
Committee recommendation	68,578,000
Change from budget request	+30,000,000

The Committee recommends an appropriation of $68,578,000 for the Defense Production Act which will provide the following program in fiscal year 2019:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
DEFENSE PRODUCTION ACT PURCHASES	38,578	68,578	30,000
Program increase		30,000	
TOTAL, DEFENSE PRODUCTION ACT PURCHASES	38,578	68,578	30,000

RARE EARTH ELEMENTS

The Committee notes that certain elements such as lithium, cobalt, and rare earth elements are critical to national security and that maintaining a domestic supply is strategically vital. The Committee encourages the Secretary of Defense to invest in these important elements in order to protect the nation's strategic interests.

JOINT URGENT OPERATIONAL NEEDS FUND

Fiscal year 2018 appropriation	– – –
Fiscal year 2019 budget request.	$100,025,000
Committee recommendation	– – –
Change from budget request	– 100,025,000

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

TITLE IV

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The fiscal year 2019 Department of Defense research, development, test and evaluation budget request totals $91,056,950,000. The Committee recommendation provides $91,218,284,000 for the research, development, test and evaluation accounts. The table below summarizes the Committee recommendations:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
RECAPITULATION			
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY.....	10,159,379	10,108,108	-51,271
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY.....	18,481,666	17,658,244	-823,422
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE...	40,178,343	40,939,500	+761,157
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE.....	22,016,553	22,291,423	+274,870
OPERATIONAL TEST AND EVALUATION, DEFENSE.....	221,009	221,009	---
GRAND TOTAL, RDT&E.....	91,056,950	91,218,284	+161,334

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Committee directs the Secretary of Defense 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 Committee directs the Under Secretary of Defense (Comptroller) 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 the guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act, 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 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.

FUNDING INCREASES

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

RESEARCH, DEVELOPMENT, TEST AND EVALUATION SPECIAL INTEREST ITEMS

Items for which additional funds have been provided 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 specifically addressed in the Committee report. These items remain special interest items whether or not they are repeated in a subsequent explanatory statement.

F–35 JOINT STRIKE FIGHTER DEVELOPMENTAL TEST FLEET

The Director of the F–35 Joint Program Office has communicated to the Committee a need to recapitalize the F–35 developmental test fleet due to the extensive flight hours achieved during system development and demonstration. The Committee further notes that the Director of Operational Test and Evaluation has identified test infrastructure, including aircraft, as a prerequisite for the success of the program's continuous capability development and delivery approach to warfighting improvements beyond the system develop-

ment and demonstration phase. Therefore, the Committee recommendation includes a provision allowing the Secretary of Defense to utilize funds appropriated in this or any other Act for F–35 procurement and research, development, test and evaluation to modify up to six aircraft, including up to two aircraft of each variant, to a test configuration. The Committee directs the Secretary of Defense, with the concurrence of the Secretary of the Air Force and the Secretary of the Navy, to notify the congressional defense committees not fewer than 30 days prior to obligating and expending funds for this purpose. The notification shall contain the costs of modifying the aircraft, the source of funding by fiscal year and account, and a statement that the use of such funds will not adversely affect the F–35 operational fleet. The Committee expects that any such use of funds will not unduly hinder or harm other critical aspects of the Joint Strike Fighter program.

COST ESTIMATES FOR AGILE SOFTWARE DEVELOPMENT

The Committee notes that an increasing number of weapon systems programs within the Department of Defense have turned to agile software development as a method for delivering new and enhanced capabilities to the warfighter on a rapid and repeatable basis, avoiding the delays and cost overruns associated with previous methods variously described as sequential, waterfall, or "big bang" approaches to software development. The Committee agrees that agile methods are required to keep pace with the evolving threat environment, but finds that program managers have been unable to articulate the changes in cost estimating practices needed to support this approach while maintaining transparency and accountability for the funds that are being requested. It is unclear to the Committee whether agile software development will result in significant savings as the transition to this method has resulted in either unchanged or increased funding requests for software development.

The Committee directs the Secretary of Defense to provide a report to the congressional defense committees not later than 180 days after the enactment of this Act on the cost estimating methods being used by the Services and defense agencies for agile software development. The report shall include, but not be limited to, the different types of cost estimating methods being used, an evaluation of the effectiveness of each of these methods, whether emerging best practices are being collected and disseminated at enterprise-wide levels, and whether these methods have an impact on performance monitoring as well as statutory cost and schedule reporting requirements such as selected acquisition reports. Finally, the Secretary shall make recommendations to improve the Department of Defense's cost estimating methods for agile software development to both improve program management and ensure the transparency of budget requests.

HYPOXIA AND PHYSIOLOGICAL EPISODE RESEARCH

The Committee remains concerned about the recent Service-wide incidents aboard multiple aircraft platforms in which pilots reported symptoms of hypoxia or other physiological events and recognizes that the Services are accelerating efforts to reduce these oc-

currences. In order to capitalize on the research and investment across weapons platforms and Services, the Committee encourages the Secretaries of the Navy and the Air Force to share positive outcomes related to aircraft modifications, changes in crew training and education, improved maintenance practices, and medical conclusions. The Committee directs the Secretaries of the Navy and the Air Force, in consultation with the Surgeons General of the Navy and the Air Force, to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on these cross-Service collaboration efforts and how fiscal year 2018 and fiscal year 2019 funding is being executed to support physiological episode reduction.

SATELLITE COMMUNICATIONS

The current military satellite communications architecture is constructed with purpose-built equipment designed for specific requirements that include a range of frequencies and waveforms at varying levels of mission assuredness for different environments. Unfortunately, the parts were designed independently with proprietary technologies rather than part of a single, well-planned interoperative architecture. This has resulted in performance inflexibility and restricted the architecture's ability to evolve as new bandwidth and resilience requirements have emerged. For example, fifty percent of communications funding is spent on terminals which limits future architecture options.

As such, the Committee directs the Secretaries of the Army, Navy, and Air Force to submit an integrated wideband and narrowband communications architecture and acquisition strategy to the congressional defense committees not later than 180 days after the enactment of this Act. The architecture should include government and commercial space systems as well as user terminals and enterprise network management capabilities. It should be based on flexible operations, open standards, and commonality that has communications path diversity. Stovepipes, proprietary approaches, and other restrictive architectural characteristics should be avoided to the maximum extent practicable. Modern technology such as mesh networks and laser technology should be thoroughly reviewed for applicability to resiliency requirements.

The Committee encourages the Secretaries of the Army, Navy, and Air Force to establish a joint program office to manage architecture development and adjudicate operational requirements to facilitate creation of an acquisition strategy.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Fiscal year 2018 appropriation	$10,647,426,000
Fiscal year 2019 budget request	10,159,379,000
Committee recommendation	10,108,108,000
Change from budget request	−51,271,000

The Committee recommends an appropriation of $10,108,108,000 for Research, Development, Test and Evaluation, Army which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY			
	BASIC RESEARCH			
1	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	11,585	11,585	---
2	DEFENSE RESEARCH SCIENCES	276,912	266,881	-10,031
3	UNIVERSITY RESEARCH INITIATIVES	65,283	65,283	---
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	92,115	98,492	+6,377
	TOTAL, BASIC RESEARCH	445,895	442,241	-3,654
	APPLIED RESEARCH			
5	MATERIALS TECHNOLOGY	28,600	53,600	+25,000
6	SENSORS AND ELECTRONIC SURVIVABILITY	32,366	38,635	+6,269
7	TRACTOR HIP	8,674	8,674	---
8	TRACTOR JACK	400	400	---
9	AVIATION TECHNOLOGY	64,847	64,995	+148
10	ELECTRONIC WARFARE TECHNOLOGY	25,571	25,571	---
11	MISSILE TECHNOLOGY	50,183	66,683	+16,500
12	ADVANCED WEAPONS TECHNOLOGY	29,502	39,502	+10,000
13	ADVANCED CONCEPTS AND SIMULATION	28,500	28,500	---
14	COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY	70,450	79,450	+9,000
15	BALLISTICS TECHNOLOGY	75,541	85,038	+9,497
16	CHEMICAL, SMOKE AND EQUIPMENT DEFEATING TECHNOLOGY	5,032	5,032	---
17	JOINT SERVICE SMALL ARMS PROGRAM	12,394	12,394	---
18	WEAPONS AND MUNITIONS TECHNOLOGY	40,444	360,032	+319,588
19	ELECTRONICS AND ELECTRONIC DEVICES	58,283	71,195	+12,912
20	NIGHT VISION TECHNOLOGY	29,582	30,998	+1,416
21	COUNTERMINE SYSTEMS	21,244	21,244	---
22	HUMAN FACTORS ENGINEERING TECHNOLOGY	24,131	22,751	-1,380
23	ENVIRONMENTAL QUALITY TECHNOLOGY	13,242	11,477	-1,765
24	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	55,003	44,860	-10,143
25	COMPUTER AND SOFTWARE TECHNOLOGY	14,958	14,958	---
26	MILITARY ENGINEERING TECHNOLOGY	78,159	77,209	-950
27	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	21,862	21,862	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
28	WARFIGHTER TECHNOLOGY	40,566	47,566	+7,000
29	MEDICAL TECHNOLOGY	90,075	92,075	+2,000
	TOTAL, APPLIED RESEARCH	919,609	1,324,701	+405,092
	ADVANCED TECHNOLOGY DEVELOPMENT			
30	WARFIGHTER ADVANCED TECHNOLOGY	39,338	41,838	+2,500
31	MEDICAL ADVANCED TECHNOLOGY	62,496	101,496	+39,000
32	AVIATION ADVANCED TECHNOLOGY	124,958	165,558	+40,600
33	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	102,686	147,519	+44,833
34	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	119,739	141,520	+21,781
35	SPACE APPLICATION ADVANCED TECHNOLOGY	13,000	13,000	---
36	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	8,044	8,044	---
37	TRACTOR HIKE	22,631	22,631	---
38	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	25,682	26,195	+513
40	COMBATING TERRORISM, TECHNOLOGY DEVELOPMENT	3,762	3,762	---
41	TRACTOR NAIL	4,896	4,896	---
42	TRACTOR EGGS	6,041	6,041	---
43	ELECTRONIC WARFARE TECHNOLOGY	31,491	30,491	-1,000
44	MISSILE AND ROCKET ADVANCED TECHNOLOGY	61,132	64,655	+3,523
45	TRACTOR CAGE	16,845	16,845	---
46	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	183,322	183,322	---
47	LANDMINE WARFARE AND BARRIER ADVANCED TECHNOLOGY	11,104	11,104	---
48	JOINT SERVICE SMALL ARMS PROGRAM	5,885	5,885	---
49	NIGHT VISION ADVANCED TECHNOLOGY	61,376	50,986	-10,390
50	ENVIRONMENTAL QUALITY TECHNOLOGY DEMONSTRATIONS	9,136	9,136	---
51	MILITARY ENGINEERING ADVANCED TECHNOLOGY	25,864	31,364	+5,500
52	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	34,883	32,205	-2,678
53	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY	52,387	41,491	-10,896
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	1,026,698	1,159,984	+133,286

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	DEMONSTRATION & VALIDATION			
54	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	10,777	15,777	+5,000
56	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	42,802	38,462	-4,340
57	LANDMINE WARFARE AND BARRIER - ADV DEV	45,254	34,141	-11,113
58	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	22,700	6,100	-16,600
59	TANK AND MEDIUM CALIBER AMMUNITION	41,974	35,014	-6,960
60	ARMORED SYSTEM MODERNIZATION - ADV DEV	119,395	98,307	-21,088
61	SOLDIER SUPPORT AND SURVIVABILITY	8,746	8,746	---
62	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - AD	35,667	35,667	---
63	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	7,350	7,350	---
64	ENVIRONMENTAL QUALITY TECHNOLOGY	14,749	13,961	-788
65	NATO RESEARCH AND DEVELOPMENT	3,687	3,687	---
66	AVIATION - ADV DEV	10,793	10,793	---
67	LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV	14,248	13,289	-959
68	MEDICAL SYSTEMS - ADV DEV	34,284	34,284	---
69	SOLDIER SYSTEMS - ADVANCED DEVELOPMENT	18,044	31,044	+13,000
70	ROBOTICS DEVELOPMENT	95,660	63,826	-31,834
71	CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT	38,000	9,500	-28,500
72	ANALYSIS OF ALTERNATIVES	9,765	9,765	---
73	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS)	12,393	12,393	---
74	LOWER TIER AIR MISSILE DEFENSE (LTAMID) SENSOR	120,374	106,759	-13,615
75	TECHNOLOGY MATURATION INITIATIVES	95,347	95,347	---
76	MANEUVER - SHORT RANGE AIR DEFENSE (M-SHORAD)	95,085	108,085	+13,000
77	TRACTOR BEAM	52,894	52,894	---
79	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT AND PROTOTYPING	77,939	15,044	-62,895
80	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2-INTERC	51,030	31,166	-19,864
81	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	65,817	65,817	---
82	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	146,300	146,300	---
83	ARMY SPACE SYSTEMS INTEGRATION	38,319	30,336	-7,983
	TOTAL, DEMONSTRATION & VALIDATION	1,329,393	1,133,854	-195,539

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	ENGINEERING & MANUFACTURING DEVELOPMENT			
84	AIRCRAFT AVIONICS	32,293	32,293	---
85	ELECTRONIC WARFARE DEVELOPMENT	78,699	72,950	-5,749
88	TRACTOR CAGE	17,050	17,050	---
89	INFANTRY SUPPORT WEAPONS	83,155	88,655	+5,500
90	MEDIUM TACTICAL VEHICLES	3,704	3,704	---
91	JAVELIN	10,623	1,000	-9,623
92	FAMILY OF HEAVY TACTICAL VEHICLES	11,950	11,950	---
93	AIR TRAFFIC CONTROL	12,347	12,347	---
95	LIGHT TACTICAL WHEELED VEHICLES	8,212	8,212	---
96	ARMORED SYSTEMS MODERNIZATION (ASM) - ENG DEV	393,613	317,749	-75,864
97	NIGHT VISION SYSTEMS - SDD	139,614	145,614	+6,000
98	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	4,507	4,507	---
99	NON-SYSTEM TRAINING DEVICES - SDD	49,436	44,436	-5,000
100	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -SDD	95,172	100,172	+5,000
101	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	22,628	22,628	---
102	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	13,297	13,297	---
103	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - SDD	9,145	9,145	---
104	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)	9,894	4,894	-5,000
105	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	21,964	21,964	---
106	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	49,288	49,288	---
107	WEAPONS AND MUNITIONS - SDD	183,100	176,100	-7,000
108	LOGISTICS AND ENGINEER EQUIPMENT - SDD	79,706	76,481	-3,225
109	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - SDD	15,970	15,970	---
110	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	44,542	44,542	---
111	LANDMINE WARFARE/BARRIER - SDD	50,817	44,449	-6,368
112	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	178,693	172,307	-6,386
113	RADAR DEVELOPMENT	39,338	39,338	---
114	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	37,851	36,856	-995
115	FIREFINDER	45,473	27,473	-18,000
116	SOLDIER SYSTEMS - WARRIOR DEM/VAL	10,395	10,395	---
117	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS -EMD	69,204	55,804	-13,400
118	ARTILLERY SYSTEMS	1,781	1,781	---
119	INFORMATION TECHNOLOGY DEVELOPMENT	113,758	76,991	-36,767

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
120	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A).....	166,603	166,603	---
121	ARMORED MULTI-PURPOSE VEHICLE.....	118,239	111,960	-6,279
122	INTEGRATED GROUND SECURITY SURVEILLANCE RESPONSE CAPABILITY (IGSSR-C).....	3,211	3,211	---
123	JOINT TACTICAL NETWORK CENTER (JTNC).....	15,889	15,889	---
124	JOINT TACTICAL NETWORK (JTN).....	41,972	41,972	---
125	TRACTOR TIRE.....	41,166	41,166	---
126	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM - EXPENDITIONARY (GBOSS-E).....	5,175	5,175	---
127	TACTICAL SECURITY SYSTEM (TSS).....	4,496	4,496	---
128	COMMON INFRARED COUNTERMEASURES (CIRCM).....	51,178	51,178	---
129	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD).....	11,311	11,311	---
131	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE....	17,154	17,154	---
132	DEFENSIVE CYBER TOOL DEVELOPMENT.....	36,626	36,626	---
133	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER).....	3,829	3,829	---
134	CONTRACT WRITING SYSTEM.....	41,928	41,928	---
135	MISSILE WARNING SYSTEM MODERNIZATION (MWSM).....	28,276	25,537	-2,739
136	AIRCRAFT SURVIVABILITY DEVELOPMENT.....	21,965	21,965	---
137	INDIRECT FIRE PROTECTION CAPABILITY INC 2 - BLOCK 1...	157,710	129,447	-28,263
138	GROUND ROBOTICS.....	86,167	84,141	-2,026
139	EMERGING TECHNOLOGY INITIATIVES.....	42,866	42,866	---
140	AMF JOINT TACTICAL RADIO SYSSTEM.....	15,984	10,984	-5,000
141	JOINT AIR-TO-GROUND MISSILE (JAGM).....	11,773	11,773	---
142	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD).....	277,607	277,607	---
143	NATIONAL CAPABILITIES INTEGRATION.....	12,340	12,340	---
144	JOINT LIGHT TACTICAL VEHICLE ENG AND MANUFACTURING....	2,686	2,686	---
145	AVIATION GROUND SUPPORT EQUIPMENT.....	2,706	7,706	+5,000
147	TROJAN - RH12.....	4,521	4,521	---
150	ELECTRONIC WARFARE DEVELOPMENT.....	8,922	8,922	---
151	TRACTOR BEARS.....	23,170	23,170	---
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	3,192,689	2,976,505	-216,184

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	RDT&E MANAGEMENT SUPPORT			
152	THREAT SIMULATOR DEVELOPMENT	12,835	12,835	---
153	TARGET SYSTEMS DEVELOPMENT	12,135	12,135	---
154	MAJOR T&E INVESTMENT	82,996	82,996	---
155	RAND ARROYO CENTER	19,821	19,821	---
156	ARMY KWAJALEIN ATOLL	246,574	246,574	---
157	CONCEPTS EXPERIMENTATION PROGRAM	30,430	30,430	---
159	ARMY TEST RANGES AND FACILITIES	305,759	305,759	---
160	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	62,379	62,379	---
161	SURVIVABILITY/LETHALITY ANALYSIS	40,496	40,496	---
162	AIRCRAFT CERTIFICATION	3,941	3,941	---
163	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	9,767	9,767	---
164	MATERIEL SYSTEMS ANALYSIS	21,226	21,226	---
165	EXPLOITATION OF FOREIGN ITEMS	13,026	13,026	---
166	SUPPORT OF OPERATIONAL TESTING	52,718	52,718	---
167	ARMY EVALUATION CENTER	57,049	57,049	---
168	ARMY MODELING AND SIMULATION X-CMD COLLABORATION AND INTEG	2,801	2,801	---
169	PROGRAMWIDE ACTIVITIES	60,942	60,942	---
170	TECHNICAL INFORMATION ACTIVITIES	29,050	29,050	---
171	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	42,332	58,332	+16,000
172	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	3,216	3,216	---
173	MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT)	54,145	54,145	---
174	MILITARY GROUND-BASED CREW TECHNOLOGY	4,896	938	-3,958
175	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	63,011	63,011	---
176	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	2,636	2,636	---
177	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	88,300	88,300	---
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,322,481	1,334,523	+12,042

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATIONAL SYSTEMS DEVELOPMENT			
181	MLRS PRODUCT IMPROVEMENT PROGRAM	8,886	8,886	---
182	TRACTOR PULL	4,067	4,067	---
183	ANTI-TAMPER TECHNOLOGY SUPPORT	4,254	7,254	+3,000
184	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS	16,022	16,022	---
185	TRACTOR SMOKE	4,577	4,577	---
186	LONG RANGE PRECISION FIRES (LRPF)	186,475	135,244	-51,231
187	APACHE PRODUCT IMPROVEMENT PROGRAM	31,049	31,049	---
188	BLACKHAWK RECAP/MODERNIZATION	35,240	35,240	---
189	CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM	157,822	129,606	-28,216
190	FIXED WING AIRCRAFT	4,189	2,283	-1,906
191	IMPROVED TURBINE ENGINE PROGRAM	192,637	192,637	---
194	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT	60,860	44,500	-16,360
195	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	52,019	38,378	-13,641
196	FAMILY OF BIOMETRICS	2,400	2,400	---
197	PATRIOT PRODUCT IMPROVEMENT	65,369	65,369	---
198	AEROSTAT JOINT PROJECT OFFICE	1	---	-1
199	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM	30,954	30,954	---
200	COMBAT VEHICLE IMPROVEMENT PROGRAMS	411,927	363,349	-48,578
202	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	40,676	37,201	-3,475
203	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	17,706	17,706	---
204	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	146	146	---
205	DIGITIZATION	6,316	6,316	---
206	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	1,643	1,643	---
207	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	4,947	4,947	---
208	TRACTOR CARD	34,050	34,050	---
210	MATERIALS HANDLING EQUIPMENT	1,464	1,464	---
211	ENVIRONMENTAL QUALITY TECHNOLOGY - OPERATIONAL SYSTEM	249	249	---
212	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	79,283	70,013	-9,270

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
213	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	154,102	125,954	-28,148
216	SECURITY AND INTELLIGENCE ACTIVITIES	12,280	12,280	---
217	INFORMATION SYSTEMS SECURITY PROGRAM	68,533	64,149	-4,384
218	GLOBAL COMBAT SUPPORT SYSTEM	68,619	65,073	-3,546
220	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM	2,034	2,034	---
223	COMBINED ADVANCED APPLICATIONS	1,500	1,500	---
224	INTEGRATED BROADCAST SERVICE (IBS)	450	450	---
225	TACTICAL UNMANNED AERIAL VEHICLES	6,000	6,000	---
226	AIRBORNE RECONNAISSANCE SYSTEMS	12,416	12,416	---
227	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	38,667	33,109	-5,558
229	RQ-11 UAV	6,180	6,180	---
230	RQ-7 UAV	12,863	17,863	+5,000
231	BIOMETRICS ENABLED INTELLIGENCE	4,310	4,310	---
233	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	53,958	73,958	+20,000
234	SATCOM GROUND ENVIRONMENT (SPACE)	12,119	12,119	---
235	JOINT TACTICAL GROUND SYSTEM	7,400	7,400	---
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,916,659	1,730,345	-186,314
9999	CLASSIFIED PROGRAMS	5,955	5,955	---
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY	10,159,379	10,108,108	-51,271

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1		Budget Request	Committee Recommended	Change from Request
2	**DEFENSE RESEARCH SCIENCES**	**276,912**	**266,881**	**-10,031**
	Delayed new start efforts		-13,031	
	Program increase - counter-UAS technology		3,000	
4	**UNIVERSITY AND INDUSTRY RESEARCH CENTERS**	**92,115**	**98,492**	**6,377**
	Delayed new start efforts		-3,623	
	Program increase - materials in extreme dynamic environments		10,000	
5	**MATERIALS TECHNOLOGY**	**28,600**	**53,600**	**25,000**
	Program increase - high performance composite materials		5,000	
	Program increase - high performance polymers research		20,000	
6	**SENSORS AND ELECTRONIC SURVIVABILITY**	**32,366**	**38,635**	**6,269**
	Delayed new start effort		-731	
	Program increase - agile manufacturing materials processing		3,000	
	Program increase - open campus initiative		4,000	
9	**AVIATION TECHNOLOGY**	**64,847**	**64,995**	**148**
	Delayed new start efforts		-3,352	
	Artificial intelligence unjustified request		-1,500	
	Program increase - UH-60 Black Hawk main rotor blade modernization		5,000	
11	**MISSILE TECHNOLOGY**	**50,183**	**66,683**	**16,500**
	Program increase - carbon composite warhead research		6,500	
	Program increase - additive manufacturing to support optimized long range precision fires		10,000	
12	**ADVANCED WEAPONS TECHNOLOGY**	**29,502**	**39,502**	**10,000**
	Program increase - high energy laser technology		10,000	
14	**COMBAT VEHICLE AND AUTOMOTIVE TECHNOLOGY**	**70,450**	**79,450**	**9,000**
	Program increase - dual-use technology programs		9,000	
15	**BALLISTICS TECHNOLOGY**	**75,541**	**85,038**	**9,497**
	Delayed new start effort		-503	
	Program increase - extended range cannon artillery		5,000	
	Program increase - warfighter protection technology		5,000	

R-1		Budget Request	Committee Recommended	Change from Request
18	WEAPONS AND MUNITIONS TECHNOLOGY	40,444	360,032	319,588
	Delayed new start effort		-412	
	Program increase		25,000	
	Program increase - advanced processing of insensitive energetic materials		20,000	
	Program increase - weapons effectiveness in urban engagement		15,000	
	Program increase - extended range cannon artillery		20,000	
	Program increase - sensor fused munition		20,000	
	Program increase - defense against small UAS		30,000	
	Program increase - 120mm cannon fired guided missile		50,000	
	Program increase - armament systems integration		20,000	
	Program increase - amament systems concepting		20,000	
	Program increase - long range hybrid projectiles		10,000	
	Program increase - laser weapons accuracy		23,000	
	Program increase - lethality - enhanced extended range artillery system		67,000	
19	ELECTRONICS AND ELECTRONIC DEVICES	58,283	71,195	12,912
	Delayed new start effort		-588	
	Program increase - position, navigation and timing systems		8,500	
	Program increase - flexible electronics		5,000	
20	NIGHT VISION TECHNOLOGY	29,582	30,998	1,416
	Delayed new start effort		-2,584	
	Program increase		4,000	
22	HUMAN FACTORS ENGINEERING TECHNOLOGY	24,131	22,751	-1,380
	Delayed new start effort		-1,380	
23	ENVIRONMENTAL QUALITY TECHNOLOGY	13,242	11,477	-1,765
	Project 835 duplicative new efforts		-1,765	
24	COMMAND, CONTROL, COMMUNICATIONS TECHNOLOGY	55,003	44,860	-10,143
	Delayed new start efforts		-10,143	
26	MILITARY ENGINEERING TECHNOLOGY	78,159	77,209	-950
	Geo-enabling computing environments duplicative efforts		-2,000	
	Robotics for engineer operations (Project T41) unjustified request		-6,041	
	Robotics for engineer operations (Project T45) unjustified request		-5,909	
	Program increase - innovative construction materials for cold regions		8,000	
	Program increase		5,000	
28	WARFIGHTER TECHNOLOGY	40,566	47,566	7,000
	Program increase		5,000	
	Program increase - thermal management technologies		2,000	

R-1		Budget Request	Committee Recommended	Change from Request
29	MEDICAL TECHNOLOGY	90,075	92,075	2,000
	Program increase - burn patient transfer system		2,000	
30	WARFIGHTER ADVANCED TECHNOLOGY	39,338	41,838	2,500
	Program increase - non-centroidal helmets for warfighters		2,500	
31	MEDICAL ADVANCED TECHNOLOGY	62,496	101,496	39,000
	Program increase - peer-reviewed neurotoxin exposure treatment Parkinson's		16,000	
	Program increase - peer-reviewed neurofibromatosis research		15,000	
	Program increase - peer-reviewed military burn research		8,000	
32	AVIATION ADVANCED TECHNOLOGY	124,958	165,558	40,600
	Program increase - rotorcraft automated component tracking		6,000	
	Program increase - future vertical lift		20,000	
	Program increase - advanced helicopter seating system		5,000	
	Program increase - surface tolerant adhesive for bonded airframe structure		5,000	
	Program increase - joint tactical aerial resupply vehicle		3,000	
	Program increase - data refinement and optimization for aviation sustainment		1,600	
33	WEAPONS AND MUNITIONS ADVANCED TECHNOLOGY	102,686	147,519	44,833
	Delayed new start efforts		-2,167	
	Program increase		42,000	
	Program increase - advanced development of asset protection technologies		5,000	
34	COMBAT VEHICLE AND AUTOMOTIVE ADVANCED TECHNOLOGY	119,739	141,520	21,781
	Delayed new start effort		-3,219	
	Program increase - lightweight technology for ground combat and tactical vehicles		10,000	
	Program increase - advanced water harvesting technology		10,000	
	Program increase - fuel cell research		5,000	
38	NEXT GENERATION TRAINING & SIMULATION SYSTEMS	25,682	26,195	513
	Delayed new start effort		-2,487	
	Program increase - immersive learning environments		3,000	
43	ELECTRONIC WARFARE TECHNOLOGY	31,491	30,491	-1,000
	Delayed new start effort		-1,000	
44	MISSILE AND ROCKET ADVANCED TECHNOLOGY	61,132	64,655	3,523
	Multi-domain demonstration unjustified request		-6,477	
	Program increase - cybersecurity and supply chain risk management		10,000	

R-1		Budget Request	Committee Recommended	Change from Request
49	NIGHT VISION ADVANCED TECHNOLOGY	61,376	50,986	-10,390
	Delayed new start efforts		-10,390	
51	MILITARY ENGINEERING ADVANCED TECHNOLOGY	25,864	31,364	5,500
	Delayed new start effort		-500	
	Program increase - secure management of energy generation and storage		3,000	
	Program increase - rapid low energy mobile manufacturing		3,000	
52	ADVANCED TACTICAL COMPUTER SCIENCE & SENSOR TECHNOLOGY	34,883	32,205	-2,678
	Delayed new start effort		-2,678	
53	COMMAND, CONTROL, COMMUNICATIONS ADVANCED TECHNOLOGY	52,387	41,491	-10,896
	Delayed new start efforts		-10,896	
54	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	10,777	15,777	5,000
	Program increase - protection against electronic threats		5,000	
56	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	42,802	38,462	-4,340
	Demonstration planning and execution excess to need		-4,340	
57	LANDMINE WARFARE AND BARRIER - ADV DEV	45,254	34,141	-11,113
	Area denial capability development schedule delay		-11,113	
58	SMOKE, OBSCURANT AND TARGET DEFEATING SYS-ADV DEV	22,700	6,100	-16,600
	CBRN unjustified request		-16,600	
59	TANK AND MEDIUM CALIBER AMMUNITION	41,974	35,014	-6,960
	Delayed new start efforts		-6,960	
60	ARMORED SYSTEM MODERNIZATION - ADV DEV	119,395	98,307	-21,088
	Developmental testing early to need		-8,000	
	Sensor fuse/crew/SIL concurrency		-13,088	
64	ENVIRONMENTAL QUALITY TECHNOLOGY	14,749	13,961	-788
	Delayed new start effort		-788	
67	LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV	14,248	13,289	-959
	Delayed new start effort		-959	
69	SOLDIER SYSTEMS - ADVANCED DEVELOPMENT	18,044	31,044	13,000
	Program increase - enhanced lightweight armor and combat helmets		8,000	
	Program increase - next generation body armor		5,000	

R-1		Budget Request	Committee Recommended	Change from Request
70	ROBOTICS DEVELOPMENT	95,660	63,826	-31,834
	Delayed new start efforts		-18,132	
	RCV experimental risk reduction and prototyping concurrency		-13,702	
71	CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT	38,000	9,500	-28,500
	Unjustified request		-28,500	
74	LOWER TIER AIR MISSILE DEFENSE (LTAMID) SENSOR	120,374	106,759	-13,615
	Contracting award planning early to need		-2,515	
	Testing early to need		-11,100	
76	MANEUVER - SHORT RANGE AIR DEFENSE (M-SHORAD)	95,085	108,085	13,000
	Transfer from title IX		23,000	
	Delayed new start effort		-10,000	
79	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT AND PROTOTYPING	77,939	15,044	-62,895
	Delayed new start effort		-62,895	
80	INDIRECT FIRE PROTECTION CAPABILITY INCREMENT 2-INTERCEPT	51,030	31,166	-19,864
	Schedule delay		-19,864	
83	ARMY SPACE SYSTEMS INTEGRATION	38,319	30,336	-7,983
	Delayed new start efforts		-7,983	
85	ELECTRONIC WARFARE DEVELOPMENT	78,699	72,950	-5,749
	EWPMT CD4 early to need		-1,869	
	MFEW product development previously funded		-3,880	
89	INFANTRY SUPPORT WEAPONS	83,155	88,655	5,500
	Program increase - soldier enhancement program		2,000	
	Program increase - shoulder launched munition evaluation		2,000	
	Program increase - cannon life extension program		1,500	
91	JAVELIN	10,623	1,000	-9,623
	Schedule delays		-9,623	
96	ARMORED SYSTEMS MODERNIZATION (ASM) - ENG DEV	393,613	317,749	-75,864
	Excess growth		-75,864	
97	NIGHT VISION SYSTEMS - SDD	139,614	145,614	6,000
	Program increase - next generation FLIR		6,000	
99	NON-SYSTEM TRAINING DEVICES - SDD	49,436	44,436	-5,000
	Historical underexecution		-5,000	

R-1		Budget Request	Committee Recommended	Change from Request
100	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -SDD	95,172	100,172	5,000
	Program increase - C-RAM communication enhancements		5,000	
104	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)	9,894	4,894	-5,000
	Delayed new start effort		-5,000	
107	WEAPONS AND MUNITIONS - SDD	183,100	176,100	-7,000
	Delayed new start efforts		-7,000	
108	LOGISTICS AND ENGINEER EQUIPMENT - SDD	79,706	76,481	-3,225
	Delayed new start effort		-3,225	
111	LANDMINE WARFARE/BARRIER - SDD	50,817	44,449	-6,368
	Next generation advanced bomb suit delayed new start		-4,368	
	Next generation advanced bomb suit testing early to need		-2,000	
112	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	178,693	172,307	-6,386
	Command post integrated infrastructure delayed new start		-10,000	
	Program management excess growth		-1,386	
	Program increase - server size and weight reduction		5,000	
114	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	37,851	36,856	-995
	Increment II acquisition planning early to need		-995	
115	FIREFINDER	45,473	27,473	-18,000
	Hypervelocity armament system delayed new start		-18,000	
117	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS - EMD	69,204	55,804	-13,400
	Vehicle protection suite delayed new start		-13,400	
119	INFORMATION TECHNOLOGY DEVELOPMENT	113,758	76,991	-36,767
	Project 738 program management excess growth		-34,968	
	ASMIS-R delayed new start		-1,799	
121	ARMORED MULTI-PURPOSE VEHICLE	118,239	111,960	-6,279
	Program management support excess to need		-6,279	
135	MISSILE WARNING SYSTEM MODERNIZATION (MWSM)	28,276	25,537	-2,739
	Other program management excess to need		-2,739	
137	INDIRECT FIRE PROTECTION CAPABILITY INC 2 - BLOCK 1	157,710	129,447	-28,263
	Developmental testing early to need		-28,263	
138	GROUND ROBOTICS	86,167	84,141	-2,026
	CRS(H) program management excess to need		-2,026	

R-1		Budget Request	Committee Recommended	Change from Request
140	AMF JOINT TACTICAL RADIO SYSTEM	15,984	10,984	-5,000
	Air-ground integration experimentation lack of strategy		-5,000	
145	AVIATION GROUND SUPPORT EQUIPMENT	2,706	7,706	5,000
	Program increase - next generation health monitoring system		5,000	
171	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	42,332	58,332	16,000
	Program increase - transformative technologies for propulsion manufacturing processes		11,000	
	Program increase - industrial base resiliency		5,000	
174	MILITARY GROUND-BASED CREW TECHNOLOGY	4,896	938	-3,958
	Delayed new start effort		-3,958	
183	ANTI-TAMPER TECHNOLOGY SUPPORT	4,254	7,254	3,000
	Program increase		3,000	
186	LONG RANGE PRECISION FIRES (LRPF)	186,475	135,244	-51,231
	Excess program growth		-51,231	
189	CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM	157,822	129,606	-28,216
	Advanced Chinook rotor blade previously funded		-3,921	
	Program management support excess growth		-2,719	
	Block II EMD excess growth		-21,576	
190	FIXED WING AIRCRAFT	4,189	2,283	-1,906
	Support costs unjustified growth		-1,906	
194	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT	60,860	44,500	-16,360
	Contract award delays		-3,360	
	Research studies excess growth		-13,000	
195	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	52,019	38,378	-13,641
	Unjustified growth		-13,641	
198	AEROSTAT JOINT PROJECT OFFICE	1	0	-1
	Program shutdown previously funded		-1	
200	COMBAT VEHICLE IMPROVEMENT PROGRAMS	411,927	363,349	-48,578
	Abrams ECP 1B schedule delay		-14,978	
	Bradley A5 ECP schedule delay		-12,221	
	Stryker program management excess growth		-9,719	
	Recovery vehicle improvement program delay		-11,660	
202	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	40,676	37,201	-3,475
	Delayed new start effort		-3,475	

R-1		Budget Request	Committee Recommended	Change from Request
212	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	79,283	70,013	-9,270
	Unclear budget justification		-9,270	
213	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	154,102	125,954	-28,148
	Unjustified growth		-28,148	
217	INFORMATION SYSTEMS SECURITY PROGRAM	68,533	64,149	-4,384
	Crypto modernization inaccurate contract awards		-4,384	
218	GLOBAL COMBAT SUPPORT SYSTEM	68,619	65,073	-3,546
	Increment 2 contract award delay		-3,546	
227	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	38,667	33,109	-5,558
	Integration and testing unjustified growth		-5,558	
230	RQ-7 UAV	12,863	17,863	5,000
	Program increase - digital enhancements		5,000	
233	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	53,958	73,958	20,000
	Program increase - manufacturing for novel lightweight transparent armor materials		10,000	
	Program increase - additive manufacturing technology insertion		10,000	

MATERIALS IN EXTREME DYNAMIC ENVIRONMENTS PROGRAM

The Committee recognizes the importance of the Army's Materials in Extreme Dynamic Environments program which expands research, education, and technology development efforts in protection materials. Strengthening the domestic capability to develop and manufacture essential protection materials is vital to national security. The Committee encourages the Secretary of the Army to continue to support this important research.

BURN PATIENT TRANSFER SYSTEM

The Committee continues to support the development of strategies and technologies to improve the efficiency of burn patient care in military treatment facilities. The Committee recognizes that, in the event of a mass casualty event, military treatment facilities throughout the nation would experience a significant increase in burn patient volume. Due to the highly specialized nature of burn care, the limited number of dedicated burn beds, and the fact that many military bases are located near civilian trauma/burn centers, the ability to maximize efficiency and effectiveness of care would be critical to the management of an overwhelming surge in burn patient volume and intensity. The Committee encourages the Secretary of the Army to research the development of a burn patient transfer system, including any required hardware and software, that would provide a platform for reporting immediate and surge bed availability, and would electronically match patient acuity with open beds at other military and civilian burn centers.

ARMY LETHALITY IMPROVEMENTS

The Committee acknowledges that state aggression, terrorism, global weapons proliferation, and technological evolution pose challenges to Army superiority over potential peer adversaries. The Committee commends the Army's continued attention to and action on the findings of the Army lethality report that was required by the Department of Defense Appropriations Act, 2015. As a result, the Army has provided resources for select mitigation activities that can be achieved in the near term. However, the Committee notes that the study identified specific areas of concern including loss of weapons range overmatch, effects of enemy countermeasures to GPS, defense against laser weapons, proliferation of low-cost commercially available unmanned aerial systems, and sub-optimization of weapon acquisition planning. The Committee encourages the Secretary of the Army to continue the advancement of armament systems integration capabilities through existing capacity and mechanisms to advance and coordinate armament systems development and effectiveness.

ADVANCED DEVELOPMENT OF ASSET PROTECTION TECHNOLOGIES

The Committee recognizes the Army's advancement in developing successful technologies that support the warfighter. The Committee encourages the Secretary of the Army to develop, demonstrate, manufacture, and deploy advanced multi-functional materials and technologies that can be combined for customizable asset protection systems and increased weapon systems capabilities.

DOMESTIC SUPPLY OF NOVEL LIGHTWEIGHT TRANSPARENT ARMOR MATERIALS

The Committee recognizes the national security need to provide soldiers with advanced lightweight transparent armor made of laminated films to improve face and eye protection. The Committee encourages the Secretary of the Army to ensure that a secure, domestic source of high performance, strong, transparent polymer films exists for the production of a new generation of lightweight transparent armor that provides superior ballistic protection, optical properties, and operational capabilities.

TRANSFORMATIVE TECHNOLOGIES FOR PROPULSION MANUFACTURING PROCESSES

The Committee recognizes the Army's progress in modeling, simulating, and manufacturing cellulose-based products for ammunition. These capabilities and materials offer enhancements in performance, cost reduction, and process improvement and control. The Committee encourages the Secretary of the Army to consider establishing an enduring capability for research, development, modeling, and simulation that supports continued improvement in ammunition manufacturing. The Committee also encourages the Secretary of the Army to consider planning and equipping for larger scale manufacturing of cellulose-based materials in order to protect this industrial base capability.

ARMY NETWORK READINESS

The Committee encourages the Army to test and down-select readily available non-developmental tactical communications technologies that deliver the highest quality performance in voice, video, and data dissemination at the squad and individual soldier level. The Committee directs the Director, Operational Test and Evaluation to provide an independent written assessment of Army network readiness to the congressional defense committees not later than 90 days after the enactment of this Act, to include an examination and analysis of existing Army systems and compare this to tested and readily-available alternatives including commercial technologies.

METAL MATRIX COMPOSITE

The Committee recognizes the versatility and broad application that metal matrix composite technology provides for the military by significantly reducing the weight of parts while simultaneously increasing service life. The Committee encourages the Secretary of the Army to continue to test, develop, and field metal matrix composite components that can reduce vehicle weight, reduce fuel consumption, increase payload capacity, and extend service life.

CYBERSECURITY AND SUPPLY CHAIN RISK MANAGEMENT

The Committee recognizes the critical need for cybersecurity and supply chain risk management advanced research because new capabilities are required to detect and mitigate increasingly complex, stealthy, and advanced persistent cyber and supply chain threats to Army weapons systems and networks. The Committee encour-

ages the Secretary of the Army to focus on advancing research that provides improved cybersecurity and supply chain risk management.

INDUSTRIAL BASE RESILIENCY

The Committee acknowledges the importance of maintaining a robust industrial base for the development of future technologies. The Committee encourages the Secretary of the Army to support the continued development of methodologies and technologies to preserve a flexible, secure, and resilient industrial base to ensure continuity of operations.

PRECISION GUN LAUNCHED PROJECTILES

The Committee is aware of the Army's effort to develop enhanced lethality and accuracy for dismounted soldiers. The Committee believes that emerging manufacturing technologies play a critical role in these efforts by enabling rapid flexible munitions production and cost savings for advanced projectile systems. The Committee encourages the Secretary of the Army to continue development of extended range hybrid and affordable precision gun launched projectiles.

LIGHTWEIGHT PROTECTIVE ARMOR

The Committee is concerned that the weight and bulk of body armor can have a detrimental effect on soldier performance and confidence when worn in active threat scenarios. Body armor does not always fit all warfighters and any fluctuations in weight add to this challenge. These variables often deter warfighters from wearing the full body armor ensemble for maximum protection while on active duty. While operational threats increase in lethality, it is imperative that soldiers' armor protection solutions are enhanced to decrease weight and bulk and to increase strength, durability, and comfort. Therefore, the Committee encourages the Secretary of the Army to work with industry to research and develop lightweight protective body armor.

BATTERIES FOR AUSTERE LOCATIONS

The Committee recognizes the danger often faced by servicemembers in fuel resupply missions in remote outposts. The Committee also notes the development of next generation, high capacity, high power batteries, and their potential ability to reduce fuel costs, increase dependability, and reduce risks faced by servicemembers. The Committee encourages the Secretary of the Army to assess the potential use of next generation, high capacity, and high power batteries at remote outposts in austere operating locations.

IMPROVED TURBINE ENGINE PROGRAM

The Committee understands the Army is advancing research and development of the Improved Turbine Engine Program and is exploring ways to accelerate the development and fielding of this program. The Improved Turbine Engine Program is intended to develop a more fuel efficient and powerful engine for the current UH–

60 Black Hawk and AH–64 Apache helicopter fleets. This new engine will increase operational capabilities in high and hot environments, increase range, and improve fuel efficiency while reducing the Army's logistics footprint, and operational and support costs. The Committee recommends fully funding the Improved Turbine Engine Program in fiscal year 2019 and encourages the Secretary of the Army to ensure that the program is funded appropriately in future years budget submissions.

JOINT MULTI-ROLE PROGRAM

The Committee acknowledges that the development of a helicopter emergency oil system under the Joint Multi-Role program may increase the combat survivability of the platforms under development. Such a system could potentially slow the engine oil drain-out providing additional flight time and offering the pilot and passengers the necessary time to carry out evasive landing maneuvers to safely land the rotary wing aircraft. The Committee encourages the Secretary of the Army to consider investing in the further development of this technology.

MOBILE CAMOUFLAGE SYSTEMS

The Committee recognizes that mobile camouflage systems on combat vehicles may provide enhanced signature management protection, reduced temperatures inside and around combat vehicles, and fuel savings without interfering with the operation of the vehicles. The Committee is aware of the Army's ongoing operational testing of mobile camouflage systems at the National Training Center and encourages the Secretary of the Army to accelerate those efforts. Given the potential significant advantages of developing this capability, the Committee directs the Secretary of the Army to provide a report to the congressional defense committees not later than 60 days after the enactment of this Act which outlines the mobile camouflage system test results, as well as the timeline and cost of developing, testing, and fielding these systems.

HERCULES TOW VEHICLE/M88A2E1

The Committee is concerned that two M88A2 recovery vehicles must be used to tow or recover one M1A2 Abrams tank due to the increased weight of the tank. The inability to tow a tank with a single recovery vehicle degrades readiness and threatens to slow the pace of an entire Armored Brigade Combat Team. The Committee notes that the Chief of Staff of the Army has approved an upgrade program called the M88A2E1 that would improve vehicle power, traction, braking, and steering to ensure single vehicle recovery. The Committee also notes that the M88A2E1 development appears to be funded over six years, an extensive period for what should be considered an urgent engineering change proposal. The Committee encourages the Secretary of the Army to develop and procure the M88A2E1 with greater intent and expediency and directs the Secretary of the Army to provide a report to the congressional defense committees not later than 30 days after the enactment of this Act on the acquisition and funding plan for the M88A2E1 program.

ARMY SCIENCE AND TECHNOLOGY REINVENTION LABORATORIES

The Committee notes the important work being conducted at Army Science and Technology Reinvention Laboratories around the country but remains concerned about the current state of research facilities, office space, and other infrastructure at some premier Army laboratories. Modern buildings, equipment, and other resources are vital to ensuring that the Army stays at the cutting edge of technology and continues to recruit and retain the most talented scientific personnel. The Committee encourages the Secretary of the Army to prioritize recapitalizing, refurbishing, and modernizing facilities at Army research laboratories.

LONG-RANGE PRECISION FIRE MISSILE

The Committee is encouraged by the Army's development of a maneuverable long-range precision fire missile that will provide additional capability to the Army munitions inventory. The Committee also understands that topology optimization design tools and additive manufacturing technologies could be integrated into the production of long-range precision fires in order to advance the capability and reduce the cost of these critical missile systems. As such, the Committee encourages the Secretary of the Army to continue development of this technology and to incorporate low-cost, optimized components into operational platforms.

INTEGRATION OF IRON DOME FOR AIR AND MISSILE DEFENSE

The Committee recognizes that the Army has a critical capability gap for air and missile defense and that the Army is currently focused on accelerating the delivery of a maneuver short-range air defense capability but is also reviewing other air and missile defense capability gaps for the protection of fixed and semi-fixed sites. The Committee notes that over the past several fiscal years, Congress has provided more than $1,300,000,000 for the development and procurement of the Iron Dome missile defense system for the Government of Israel and that the system is co-produced both in Israel and the United States. The Iron Dome system has proven successful in defending against a wide range of threats and the Committee believes that the system could potentially meet the Army air and missile defense requirement.

Therefore, the Committee directs the Secretary of the Army to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act that details the possible integration of the Iron Dome system into the Army air and missile defense architecture and an acquisition strategy that includes cost and schedule.

ARMY RESEARCH LABORATORY OPEN CAMPUS INITIATIVE

The Committee supports the Army Research Laboratory (ARL) Open Campus Initiative which was created in 2014 to increase collaboration with universities and other external research stakeholders. Since that time, ARL Open Campus has established a presence in geographic regions across the United States. Through these extended campuses, Army researchers are able to easily collaborate with and leverage scientific assets outside ARL head-

quarters. The Committee encourages the Director of the Army Reseach Lab to create additional opportunities for the United States academic research and development community to contribute to Department of Defense science and technology efforts. The Committee recommendation includes $4,000,000 to support the hiring of university faculty under joint appointments with the laboratory at ARL extended campuses to increase access to infrastructure, research staff, equipment, concepts, and results.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Fiscal year 2018 appropriation	$18,010,754,000
Fiscal year 2019 budget request	18,481,666,000
Committee recommendation	17,658,244,000
Change from budget request	−823,422,000

The Committee recommends an appropriation of $17,658,244,000 for Research, Development, Test and Evaluation, Navy which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY			
	BASIC RESEARCH			
1	UNIVERSITY RESEARCH INITIATIVES	119,433	141,433	+22,000
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,237	19,237	---
3	DEFENSE RESEARCH SCIENCES	458,708	458,708	---
	TOTAL, BASIC RESEARCH	597,378	619,378	+22,000
	APPLIED RESEARCH			
4	POWER PROJECTION APPLIED RESEARCH	14,643	14,643	---
5	FORCE PROTECTION APPLIED RESEARCH	124,049	129,049	+5,000
6	MARINE CORPS LANDING FORCE TECHNOLOGY	59,607	56,212	-3,395
7	COMMON PICTURE APPLIED RESEARCH	36,348	36,348	---
8	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	56,197	59,217	+3,020
9	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	83,800	76,623	-7,177
10	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	42,998	57,998	+15,000
11	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,349	6,349	---
12	UNDERSEA WARFARE APPLIED RESEARCH	58,049	63,049	+5,000
13	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	147,771	132,993	-14,778
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	37,545	38,214	+669
15	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	159,697	154,085	-5,612
16	SCIENCE AND TECHNOLOGY MANAGEMENT - ONR HEADQUARTERS	64,418	64,418	---
	TOTAL, APPLIED RESEARCH	891,471	889,198	-2,273

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	ADVANCED TECHNOLOGY DEVELOPMENT			
19	FORCE PROTECTION ADVANCED TECHNOLOGY	2,423	2,423	---
21	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	150,245	144,046	-6,199
22	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	13,313	13,313	---
23	NAVY ADVANCED TECHNOLOGY DEVELOPMENT (ATD)	131,502	136,798	+5,296
24	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV	232,996	206,893	-26,103
25	MANUFACTURING TECHNOLOGY PROGRAM	58,657	58,657	---
25	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	---	31,500	+31,500
30	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY	161,859	148,623	-13,236
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	750,995	742,253	-8,742
	DEMONSTRATION & VALIDATION			
31	AIR/OCEAN TACTICAL APPLICATIONS	29,747	21,484	-8,263
32	AVIATION SURVIVABILITY	7,050	7,050	---
33	AIRCRAFT SYSTEMS	793	793	---
34	ASW SYSTEMS DEVELOPMENT	7,058	7,058	---
35	TACTICAL AIRBORNE RECONNAISSANCE	3,540	3,540	---
36	ADVANCED COMBAT SYSTEMS TECHNOLOGY	59,741	39,150	-20,591
37	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	62,727	57,927	-4,800
38	SURFACE SHIP TORPEDO DEFENSE	8,570	7,100	-1,470
39	CARRIER SYSTEMS DEVELOPMENT	5,440	5,440	---
40	PILOT FISH	162,222	162,222	---
41	RETRACT LARCH	11,745	11,745	---
42	RETRACT JUNIPER	114,265	114,265	---
43	RADIOLOGICAL CONTROL	740	740	---
44	SURFACE ASW	1,122	1,122	---
45	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	109,086	104,386	-4,700
46	SUBMARINE TACTICAL WARFARE SYSTEMS	9,374	9,374	---
47	SHIP CONCEPT ADVANCED DESIGN	89,419	51,339	-38,080
48	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	13,348	13,348	---
49	ADVANCED NUCLEAR POWER SYSTEMS	256,137	256,137	---
50	ADVANCED SURFACE MACHINERY SYSTEMS	22,109	27,109	+5,000
51	CHALK EAGLE	29,744	29,744	---
52	LITTORAL COMBAT SHIP (LCS)	27,997	37,997	+10,000
53	COMBAT SYSTEM INTEGRATION	16,351	16,351	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
54	OHIO REPLACEMENT PROGRAM	514,846	496,564	-18,282
55	LITTORAL COMBAT SHIP (LCS) MISSION MODULES	103,633	103,633	---
56	AUTOMATED TEST AND RE-TEST	7,931	37,931	+30,000
57	FRIGATE DEVELOPMENT	134,772	132,772	-2,000
58	CONVENTIONAL MUNITIONS	9,307	9,307	---
60	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	1,828	---	-1,828
61	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	43,148	48,148	+5,000
62	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	5,915	5,915	---
63	ENVIRONMENTAL PROTECTION	19,811	19,811	---
64	NAVY ENERGY PROGRAM	25,656	25,656	---
65	FACILITIES IMPROVEMENT	5,301	5,301	---
66	CHALK CORAL	267,985	267,985	---
67	NAVY LOGISTIC PRODUCTIVITY	4,059	2,913	-1,146
68	RETRACT MAPLE	377,878	377,878	---
69	LINK PLUMERIA	381,770	381,770	---
70	RETRACT ELM	60,535	60,535	---
73	NATO RESEARCH AND DEVELOPMENT	9,652	9,652	---
74	LAND ATTACK TECHNOLOGY	15,529	7,745	-7,784
75	JOINT NONLETHAL WEAPONS TESTING	27,581	27,581	---
76	JOINT PRECISION APPROACH AND LANDING SYSTEMS	101,566	101,566	---
77	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	223,344	138,642	-84,702
78	F/A-18 INFRARED SEARCH AND TRACK (IRST)	108,700	91,000	-17,700
79	DIGITAL WARFARE OFFICE	26,691	20,000	-6,691
80	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	16,717	16,717	---
81	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES	30,187	15,423	-14,764
82	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION	48,796	23,596	-25,200
83	LARGE UNMANNED UNDERSEA VEHICLES	92,613	71,413	-21,200
84	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER	58,121	58,121	---
86	LITTORAL AIRBORNE MCM	17,622	14,622	-3,000
87	SURFACE MINE COUNTERMEASURES	18,154	15,527	-2,627
88	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES	47,278	47,278	---
90	NEXT GENERATION LOGISTICS	11,081	11,081	---
92	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	7,107	3,579	-3,528

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
93	LX (R)	5,549	5,549	---
94	ADVANCED UNDERSEA PROTOTYPING	87,669	72,169	-15,500
95	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	132,818	88,186	-44,632
96	SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINE	7,230	7,230	---
97	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	143,062	135,823	-7,239
99	ASW SYSTEMS DEVELOPMENT - MIP	8,889	8,889	---
100	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	25,291	17,561	-7,730
101	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	9,300	9,300	---
102	ELECTRONIC WARFARE DEVELOPMENT - MIP	466	466	---
	TOTAL, DEMONSTRATION & VALIDATION	4,293,713	3,980,256	-313,457
	ENGINEERING & MANUFACTURING DEVELOPMENT			
103	TRAINING SYSTEM AIRCRAFT	12,798	12,798	---
104	OTHER HELO DEVELOPMENT	32,128	23,579	-8,549
105	AV-8B AIRCRAFT - ENG DEV	46,363	42,363	-4,000
107	STANDARDS DEVELOPMENT	3,771	3,771	---
108	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	16,611	16,611	---
109	AIR/OCEAN EQUIPMENT ENGINEERING	17,368	15,582	-1,786
110	P-3 MODERNIZATION PROGRAM	2,134	2,134	---
111	WARFARE SUPPORT SYSTEM	9,729	9,729	---
112	TACTICAL COMMAND SYSTEM	57,688	49,387	-8,301
113	ADVANCED HAWKEYE	223,565	211,526	-12,039
114	H-1 UPGRADES	58,097	53,097	-5,000
116	ACOUSTIC SEARCH SENSORS	42,485	42,485	---
117	V-22A	143,079	135,504	-7,575
118	AIR CREW SYSTEMS DEVELOPMENT	20,980	20,980	---
119	EA-18	147,419	242,719	+95,300
120	ELECTRONIC WARFARE DEVELOPMENT	89,824	86,002	-3,822
121	EXECUTIVE HELO DEVELOPMENT	245,064	245,064	---
123	NEXT GENERATION JAMMER (NGJ)	459,529	413,529	-46,000
124	JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)	3,272	3,272	---
125	NEXT GENERATION JAMMER (NGJ) INCREMENT II	115,253	109,479	-5,774
126	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	397,403	361,018	-36,385
127	LPD-17 CLASS SYSTEMS INTEGRATION	939	939	---
128	SMALL DIAMETER BOMB (SDB)	104,448	96,980	-7,468

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
129	STANDARD MISSILE IMPROVEMENTS	165,881	144,392	-21,489
130	AIRBORNE MCM	10,831	8,351	-2,480
131	NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR SYSTEMS ENG.	33,429	33,429	---
132	ADVANCED ABOVE WATER SENSORS	35,635	29,930	-5,705
133	SSN-688 AND TRIDENT MODERNIZATION	126,932	126,932	---
134	AIR CONTROL	62,448	61,498	-950
135	SHIPBOARD AVIATION SYSTEMS	9,710	9,710	---
136	COMBAT INFORMATION CENTER CONVERSION	19,303	19,303	---
137	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	27,059	27,059	---
138	ADVANCED ARRESTING GEAR (AAG)	184,106	172,173	-11,933
139	NEW DESIGN SSN	148,233	157,002	+8,769
140	SUBMARINE TACTICAL WARFARE SYSTEM	60,824	75,324	+14,500
141	SHIP CONTRACT DESIGN/LIVE FIRE T&E	60,062	60,062	---
142	NAVY TACTICAL COMPUTER RESOURCES	4,642	4,642	---
144	MINE DEVELOPMENT	25,756	21,747	-4,009
145	LIGHTWEIGHT TORPEDO DEVELOPMENT	95,147	60,947	-34,200
146	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	7,107	7,107	---
147	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	6,539	6,539	---
148	JOINT STANDOFF WEAPON SYSTEMS	441	441	---
149	SHIP SELF DEFENSE (DETECT & CONTROL)	180,391	180,391	---
150	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	178,538	176,926	-1,612
151	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	120,507	120,507	---
152	INTELLIGENCE ENGINEERING	29,715	14,465	-15,250
153	MEDICAL DEVELOPMENT	8,095	38,095	+30,000
154	NAVIGATION/ID SYSTEM	121,026	126,026	+5,000
155	JOINT STRIKE FIGHTER (JSF) - EMD	66,566	66,566	---
156	JOINT STRIKE FIGHTER (JSF)	65,494	65,494	---
159	INFORMATION TECHNOLOGY DEVELOPMENT	14,005	11,142	-2,863
160	INFORMATION TECHNOLOGY DEVELOPMENT	268,567	232,110	-36,457
161	ANTI-TAMPER TECHNOLOGY SUPPORT	5,618	5,618	---
162	CH-53K	326,945	331,945	+5,000
164	MISSION PLANNING	32,714	32,714	---
165	COMMON AVIONICS	51,486	51,486	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
166	SHIP TO SHORE CONNECTOR (SSC)	1,444	1,444	---
167	T-AO (X)	1,298	1,298	---
168	UNMANNED CARRIER AVIATION	718,942	451,422	-267,520
169	JOINT AIR-TO-GROUND MISSILE (JAGM)	6,759	6,759	---
171	MULTI-MISSION MARITIME AIRCRAFT (MMA)	37,296	14,196	-23,100
172	MULTI-MISSION MARITIME AIRCRAFT (MMA) INCREMENT 3	160,389	163,809	+3,420
173	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT AND DEMO	98,223	76,124	-22,099
174	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT AND DEMO	2,260	2,260	---
175	DDG-1000	161,264	151,964	-9,300
180	TACTICAL CRYPTOLOGIC SYSTEMS	44,098	42,398	-1,700
182	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	6,808	6,808	---
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	6,042,480	5,597,103	-445,377
	RDT&E MANAGEMENT SUPPORT			
183	THREAT SIMULATOR DEVELOPMENT	94,576	94,576	---
184	TARGET SYSTEMS DEVELOPMENT	10,981	10,981	---
185	MAJOR T&E INVESTMENT	77,014	84,514	+7,500
186	JOINT THEATER AIR AND MISSILE DEFENSE ORGANIZATION	48	48	---
187	STUDIES AND ANALYSIS SUPPORT - NAVY	3,942	3,942	---
188	CENTER FOR NAVAL ANALYSES	48,797	48,797	---
189	NEXT GENERATION FIGHTER	5,000	5,000	---
191	TECHNICAL INFORMATION SERVICES	1,029	1,029	---
192	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	87,565	87,565	---
193	STRATEGIC TECHNICAL SUPPORT	4,231	4,231	---
194	RDT&E SCIENCE AND TECHNOLOGY MANAGEMENT	1,072	1,072	---
195	RDT&E SHIP AND AIRCRAFT SUPPORT	97,471	97,471	---
196	TEST AND EVALUATION SUPPORT	373,834	373,834	---
197	OPERATIONAL TEST AND EVALUATION CAPABILITY	21,554	21,554	---
198	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	16,227	16,227	---
200	MARINE CORPS PROGRAM WIDE SUPPORT	24,303	21,598	-2,705
201	MANAGEMENT HEADQUARTERS - R&D	43,262	13,262	-30,000
202	WARFARE INNOVATION MANAGEMENT	41,918	41,918	---
203	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	7,000	6,500	-500

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
204	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	48,800	48,800	---
205	INSIDER THREAT	1,682	1,682	---
206	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)	1,579	1,579	---
208	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	8,684	8,684	---
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,020,569	994,864	-25,705
	OPERATIONAL SYSTEMS DEVELOPMENT			
210	HARPOON MODIFICATIONS	5,426	5,197	-229
211	F-35 C2D2	259,122	259,122	---
212	F-35 C2D2	252,360	252,360	---
213	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	130,515	128,815	-1,700
214	DEPLOYABLE JOINT COMMAND AND CONTROL	3,127	3,127	---
215	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	157,679	145,679	-12,000
216	SSBN SECURITY TECHNOLOGY PROGRAM	43,198	42,198	-1,000
217	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	11,311	11,311	---
218	NAVY STRATEGIC COMMUNICATIONS	39,313	35,275	-4,038
219	F/A-18 SQUADRONS	193,086	165,236	-27,850
220	FLEET TACTICAL DEVELOPMENT	25,014	13,179	-11,835
221	SURFACE SUPPORT	11,661	9,708	-1,953
222	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	282,395	200,367	-82,028
223	INTEGRATED SURVEILLANCE SYSTEM	36,959	56,959	+20,000
224	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS	15,454	15,454	---
225	AMPHIBIOUS TACTICAL SUPPORT UNITS	6,073	6,073	---
226	GROUND/AIR TASK ORIENTED RADAR	45,029	45,029	---
227	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	104,903	104,903	---
228	CRYPTOLOGIC DIRECT SUPPORT	4,544	4,544	---
229	ELECTRONIC WARFARE (EW) READINESS SUPPORT	66,889	66,889	---
230	HARM IMPROVEMENT	120,762	120,762	---
231	TACTICAL DATA LINKS	104,696	88,979	-15,717
232	SURFACE ASW COMBAT SYSTEM INTEGRATION	28,421	26,321	-2,100
233	MK-48 ADCAP	94,155	85,155	-9,000
234	AVIATION IMPROVEMENTS	121,805	128,823	+7,018
235	OPERATIONAL NUCLEAR POWER SYSTEMS	117,028	117,028	---
236	MARINE CORPS COMMUNICATIONS SYSTEMS	174,779	173,251	-1,528

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
237	COMMON AVIATION COMMAND AND CONTROL SYSTEM	4,826	4,826	---
238	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	97,152	95,493	-1,659
239	MARINE CORPS COMBAT SERVICES SUPPORT	30,156	30,156	---
240	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	39,976	37,821	-2,155
241	AMPHIBIOUS ASSAULT VEHICLE	22,637	20,690	-1,947
242	TACTICAL AIM MISSILES	40,121	40,121	---
243	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	32,473	28,235	-4,238
249	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES	23,697	23,697	---
250	INFORMATION SYSTEMS SECURITY PROGRAM	44,228	44,228	---
252	JOINT MILITARY INTELLIGENCE PROGRAMS	6,081	6,081	---
253	TACTICAL UNMANNED AERIAL VEHICLES	8,529	8,529	---
254	UAS INTEGRATION AND INTEROPERABILITY	41,212	24,663	-16,549
255	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS	7,687	7,687	---
256	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS	42,846	42,846	---
257	MQ-4C TRITON	14,395	14,395	---
258	MQ-8 UAV	9,843	9,843	---
259	RQ-11 UAV	524	524	---
260	SMALL (LEVEL 0) TACTICAL UAS (STUASLO)	5,360	5,360	---
261	RQ-21A	10,914	6,000	-4,914
262	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	81,231	81,231	---
263	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	5,956	5,956	---
264	RQ-4 MODERNIZATION	219,894	214,648	-5,246
265	MODELING AND SIMULATION SUPPORT	7,097	7,097	---
266	DEPOT MAINTENANCE (NON-IF)	36,560	36,560	---
267	MARITIME TECHNOLOGY (MARITECH)	7,284	7,284	---
268	SATELLITE COMMUNICATIONS (SPACE)	39,174	34,174	-5,000
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	3,335,557	3,149,889	-185,668
9999	CLASSIFIED PROGRAMS	1,549,503	1,685,303	+135,800
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY	18,481,666	17,658,244	-823,422

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Committee Recommended	Change from Request
1 UNIVERSITY RESEARCH INITIATIVES	119,433	141,433	22,000
Program increase - defense university research instrumentation program		10,000	
Program increase - radar technology		6,000	
Program increase - biocoherent energy		6,000	
5 FORCE PROTECTION APPLIED RESEARCH	124,049	129,049	5,000
Program increase - battery storage and safety		5,000	
6 MARINE CORPS LANDING FORCE TECHNOLOGY	59,607	56,212	-3,395
Expeditionary cyber delayed new start		-3,395	
8 WARFIGHTER SUSTAINMENT APPLIED RESEARCH	56,197	59,217	3,020
ONR global unjustified growth		-1,480	
Program increase - warfighter safety and performance		4,500	
9 ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	83,800	76,623	-7,177
Electronic warfare technology previously funded		-4,573	
Solid state electronics unjustified growth		-2,604	
10 OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	42,998	57,998	15,000
Program increase - naval special warfare		5,000	
Program increase - task force ocean		10,000	
12 UNDERSEA WARFARE APPLIED RESEARCH	58,049	63,049	5,000
Program increase		5,000	
13 FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	147,771	132,993	-14,778
Unjustified request		-14,778	
14 MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	37,545	38,214	669
Mine technology previously funded		-1,331	
Program increase - unmanned aerial and deep submersible platforms		2,000	
15 INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	159,697	154,085	-5,612
Cyber excess growth		-5,612	
21 MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	150,245	144,046	-6,199
Firepower excess growth		-4,199	
Expeditionary cyber delayed new start		-2,000	

R-1	Budget Request	Committee Recommended	Change from Request
23 NAVY ADVANCED TECHNOLOGY DEVELOPMENT (ATD)	**131,502**	**136,798**	**5,296**
Special projects unjustified request		-12,445	
Human research protection program unjustified request		-2,685	
Surface ship and submarine hull mechanical and electrical excess growth		-6,074	
Program increase - sensor for maritime capabilities demonstration		23,500	
Program increase - additive manufacturing		3,000	
24 FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV	**232,996**	**206,893**	**-26,103**
Expeditionary maneuver warfare excess growth		-4,711	
Air warfare unjustified request		-3,913	
Information warfare unjustified request		-8,272	
Surface warfare unjustified request		-3,628	
Undersea warfare unjustified request		-5,579	
25 WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	**0**	**31,500**	**31,500**
Program increase - bone marrow registry program		31,500	
30 INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY	**161,859**	**148,623**	**-13,236**
Cyber unjustified growth		-3,727	
Directed energy/electric weapons excess growth		-9,509	
31 AIR/OCEAN TACTICAL APPLICATIONS	**29,747**	**21,484**	**-8,263**
Delayed new starts		-8,263	
36 ADVANCED COMBAT SYSTEMS TECHNOLOGY	**59,741**	**39,150**	**-20,591**
Project 3423 assessment and refinement early to need		-1,500	
Project 3424 unjustified request		-7,896	
Project 3437 limit to two shipsets		-7,195	
Project 3438 unjustified request		-4,000	
37 SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	**62,727**	**57,927**	**-4,800**
Barracuda schedule delays		-2,000	
MDUSV unjustified request		-2,800	
38 SURFACE SHIP TORPEDO DEFENSE	**8,570**	**7,100**	**-1,470**
Program management excess to need		-1,470	
45 ADVANCED SUBMARINE SYSTEM DEVELOPMENT	**109,086**	**104,386**	**-4,700**
Advanced processing build previously funded		-1,220	
Project 2096 excess growth		-13,480	
Program increase - lightweight composite research		5,000	
Program increase - littoral water threats		5,000	

R-1	Budget Request	Committee Recommended	Change from Request
47 SHIP CONCEPT ADVANCED DESIGN	89,419	51,339	-38,080
Future surface combatant studies excess growth		-29,080	
Common hull auxiliary multi-mission platform unjustified request		-9,000	
50 ADVANCED SURFACE MACHINERY SYSTEMS	22,109	27,109	5,000
Program increase - silicon carbide power modules		5,000	
52 LITTORAL COMBAT SHIP (LCS)	27,997	37,997	10,000
Program increase - LCS training courseware		10,000	
54 OHIO REPLACEMENT PROGRAM	514,846	496,564	-18,282
Program management excess growth		-18,282	
56 AUTOMATED TEST AND RE-TEST	7,931	37,931	30,000
Transfer from line 201		30,000	
57 FRIGATE DEVELOPMENT	134,772	132,772	-2,000
Testing delays		-2,000	
60 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	1,828	0	-1,828
Unjustified request		-1,828	
61 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	43,148	48,148	5,000
Program increase - breathing apparatus for EOD divers		5,000	
67 NAVY LOGISTIC PRODUCTIVITY	4,059	2,913	-1,146
Logistics research and development unclear budget justification		-1,146	
74 LAND ATTACK TECHNOLOGY	15,529	7,745	-7,784
Guided projectile schedule delays		-7,784	
77 DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	223,344	138,642	-84,702
SNLWS development excess growth		-80,932	
SNLWS government and support engineering services excess growth		-3,770	
78 F/A-18 INFRARED SEARCH AND TRACK (IRST)	108,700	91,000	-17,700
Unjustified growth		-17,700	
79 DIGITAL WARFARE OFFICE	26,691	20,000	-6,691
Unjustified growth		-6,691	
81 UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES	30,187	15,423	-14,764
Project 3393 unjustified growth		-8,764	
Project 3395 concurrency		-4,000	
Program 3396 concurrency		-2,000	

R-1	Budget Request	Committee Recommended	Change from Request
82 RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION	48,796	23,596	-25,200
RPED initiatives unjustified request		-25,200	
83 LARGE UNMANNED UNDERSEA VEHICLES	92,613	71,413	-21,200
Unexecutable growth		-21,200	
86 LITTORAL AIRBORNE MCM	17,622	14,622	-3,000
Excess growth		-3,000	
87 SURFACE MINE COUNTERMEASURES	18,154	15,527	-2,627
Excess growth		-2,627	
92 RAPID TECHNOLOGY CAPABILITY PROTOTYPE	7,107	3,579	-3,528
Delayed new start		-3,528	
94 ADVANCED UNDERSEA PROTOTYPING	87,669	72,169	-15,500
Excess growth		-15,500	
95 PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	132,818	88,186	-44,632
Conventional prompt global strike EMD early to need		-3,750	
Miniature air launched decoy schedule delays		-40,882	
97 OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	143,062	135,823	-7,239
Support costs excess growth		-7,239	
100 ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	25,291	17,561	-7,730
Project 3135 concurrency		-7,730	
104 OTHER HELO DEVELOPMENT	32,128	23,579	-8,549
APR-39D(V)2 delayed new start		-4,560	
Future vertical lift delayed new start		-3,989	
105 AV-8B AIRCRAFT - ENG DEV	46,363	42,363	-4,000
Unclear budget justification		-4,000	
109 AIR/OCEAN EQUIPMENT ENGINEERING	17,368	15,582	-1,786
Naval integrated tactical environmental system next generation unjustified request		-1,786	
112 TACTICAL COMMAND SYSTEM	57,688	49,387	-8,301
Naval operations business logistics enterprise delayed new start		-8,301	

R-1	Budget Request	Committee Recommended	Change from Request
113 ADVANCED HAWKEYE	223,565	211,526	-12,039
E-2D counter electronic attack schedule delays		-2,777	
Sensor netting schedule delays		-2,173	
Fighter to fighter backlink schedule delays		-2,947	
Crypto modernization/frequency remapping schedule delays		-4,142	
114 H-1 UPGRADES	58,097	53,097	-5,000
Unclear budget justification		-5,000	
117 V-22A	143,079	135,504	-7,575
Tech insertion excess to need		-7,575	
119 EA-18	147,419	242,719	95,300
Program increase - EA-18G advanced modes/cognitive electronic warfare acceleration		95,300	
120 ELECTRONIC WARFARE DEVELOPMENT	89,824	86,002	-3,822
Technology development excess growth		-3,822	
123 NEXT GENERATION JAMMER (NGJ)	459,529	413,529	-46,000
Schedule delays		-46,000	
125 NEXT GENERATION JAMMER (NGJ) INCREMENT II	115,253	109,479	-5,774
Engineering previously funded		-5,774	
126 SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	397,403	361,018	-36,385
Far term interoperability improvement plan		-10,300	
ACB 20 schedule delay		-10,376	
Combat systems test bed builds early to need		-15,709	
128 SMALL DIAMETER BOMB (SDB)	104,448	96,980	-7,468
Schedule delays		-7,468	
129 STANDARD MISSILE IMPROVEMENTS	165,881	144,392	-21,489
SM-2 improvements concurrency		-21,489	
130 AIRBORNE MCM	10,831	8,351	-2,480
Project 4026 schedule delays		-2,480	
132 ADVANCED ABOVE WATER SENSORS	35,635	29,930	-5,705
EASR systems engineering previously funded		-5,705	
134 AIR CONTROL	62,448	61,498	-950
Virtual warfare center support delayed new start		-950	
138 ADVANCED ARRESTING GEAR (AAG)	184,106	172,173	-11,933
Training schedule delay		-11,933	

R-1	Budget Request	Committee Recommended	Change from Request
139 NEW DESIGN SSN	**148,233**	**157,002**	**8,769**
New design SSN HM&E unjustified request		-11,231	
Program increase - SBIR technology insertion		20,000	
140 SUBMARINE TACTICAL WARFARE SYSTEM	**60,824**	**75,324**	**14,500**
Program increase - submarine launched unmanned aerial system		4,500	
Program increase - SBIR technology insertion		10,000	
144 MINE DEVELOPMENT	**25,756**	**21,747**	**-4,009**
Encapsulated effector delayed new start		-4,009	
145 LIGHTWEIGHT TORPEDO DEVELOPMENT	**95,147**	**60,947**	**-34,200**
ALWT development unjustified request		-34,200	
150 SHIP SELF DEFENSE (ENGAGE: HARD KILL)	**178,538**	**176,926**	**-1,612**
Evolved sea sparrow missile block 2 EMD previously funded		-10,294	
Transition to production unjustified request		-10,294	
I-stalker delayed new start		-1,500	
SEWIP block 3 government engineering previously funded		-4,524	
Program increase - condition based maintenance		8,000	
Program increase - next generation phalanx		7,000	
Program increase - Alamo munition system		10,000	
152 INTELLIGENCE ENGINEERING	**29,715**	**14,465**	**-15,250**
Technical algorithm development delayed new start		-9,700	
Non-kinetic countermeasure support delayed new start		-5,550	
153 MEDICAL DEVELOPMENT	**8,095**	**38,095**	**30,000**
Program increase - military dental research		10,000	
Program increase - wound care research		15,000	
Program increase - hypoxia research		5,000	
154 NAVIGATION/ID SYSTEM	**121,026**	**126,026**	**5,000**
Program increase - micro-IFF component		5,000	
159 INFORMATION TECHNOLOGY DEVELOPMENT	**14,005**	**11,142**	**-2,863**
Manpower operations systems delayed new start		-2,863	
160 INFORMATION TECHNOLOGY DEVELOPMENT	**268,567**	**232,110**	**-36,457**
NMCI enterprise service tools delayed new start		-2,600	
Electronic procurement system contract award delay		-7,591	
SUPDESK - timekeeping for all delayed new start		-1,350	
Local application rationalization delayed new start		-1,123	
Navy personnel and pay excess growth		-9,983	
NMMES-TR excess growth		-11,950	
Dynamic scheduling unjustified request		-1,200	
Vector unjustified request		-660	

R-1	Budget Request	Committee Recommended	Change from Request
162 CH-53K	326,945	331,945	5,000
Program increase - wireless intercom system		5,000	
168 UNMANNED CARRIER AVIATION	718,942	451,422	-267,520
Air segment product development excess to need		-267,520	
171 MULTI-MISSION MARITIME AIRCRAFT (MMA)	37,296	14,196	-23,100
Airborne weapons simulator hardware development early to need		-23,100	
172 MULTI-MISSION MARITIME AIRCRAFT (MMA) INCREMENT 3	160,389	163,809	3,420
Program management excess growth		-1,580	
Program increase - SBIR technology insertion		5,000	
173 MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT AND DEMO	98,223	76,124	-22,099
Management services unjustified request		-1,700	
Program support unjustified request		-1,700	
ACV 1.2 conversion of vehicles early to need		-16,413	
ACV 1.2 training devices early to need		-2,286	
175 DDG-1000	161,264	151,964	-9,300
Testing early to need		-9,300	
180 TACTICAL CRYPTOLOGIC SYSTEMS	44,098	42,398	-1,700
Spectral previously funded		-1,700	
185 MAJOR T&E INVESTMENT	77,014	84,514	7,500
Program increase - fifth generation radar ground test upgrades		4,000	
Program increase - complex electronic warfare test equipment		3,500	
200 MARINE CORPS PROGRAM WIDE SUPPORT	24,303	21,598	-2,705
Studies and analysis previously funded		-2,705	
201 MANAGEMENT HEADQUARTERS - R&D	43,262	13,262	-30,000
Transfer to line 56		-30,000	
203 ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	7,000	6,500	-500
Delayed new start		-500	
210 HARPOON MODIFICATIONS	5,426	5,197	-229
Test support early to need		-229	
213 COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	130,515	128,815	-1,700
EASR delayed new start		-1,700	

R-1	Budget Request	Committee Recommended	Change from Request
215 STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	**157,679**	**145,679**	**-12,000**
Mk4A shape stable nose tip delayed new start		-3,000	
Interoperable warhead unjustified request		-24,000	
Program increase - model based systems engineering		15,000	
216 SSBN SECURITY TECHNOLOGY PROGRAM	**43,198**	**42,198**	**-1,000**
Miscellaneous support unjustified request		-1,000	
218 NAVY STRATEGIC COMMUNICATIONS	**39,313**	**35,275**	**-4,038**
Low band universal communication system schedule delays		-4,038	
219 F/A-18 SQUADRONS	**193,086**	**165,236**	**-27,850**
F/A-18 Block III delayed new start		-29,850	
Program increase - noise reduction research		2,000	
220 FLEET TACTICAL DEVELOPMENT	**25,014**	**13,179**	**-11,835**
High frequency over-the-horizon robust communications enterprise concurrency		-11,835	
221 SURFACE SUPPORT	**11,661**	**9,708**	**-1,953**
Project 3311 delayed new start		-1,953	
222 TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	**282,395**	**200,367**	**-82,028**
M-code schedule delay		-7,253	
Maritime strike concurrency		-69,098	
JMEWS schedule delay		-5,677	
223 INTEGRATED SURVEILLANCE SYSTEM	**36,959**	**56,959**	**20,000**
Program increase - theater anti-submarine warfare		20,000	
231 TACTICAL DATA LINKS	**104,696**	**88,979**	**-15,717**
MIDS increment 2 unclear justification		-15,717	
232 SURFACE ASW COMBAT SYSTEM INTEGRATION	**28,421**	**26,321**	**-2,100**
AN/SQQ-89A(V)15 cyber security architecture upgrade delayed new start		-2,100	
233 MK-48 ADCAP	**94,155**	**85,155**	**-9,000**
Contract delays		-9,000	
234 AVIATION IMPROVEMENTS	**121,805**	**128,823**	**7,018**
EO3 technology development delayed new start		-1,982	
H-53K propulsion early to need		-6,000	
Program increase - F/A-18 E/F engine enhancements		15,000	

R-1	Budget Request	Committee Recommended	Change from Request
236 MARINE CORPS COMMUNICATIONS SYSTEMS	174,779	173,251	-1,528
Information related capabilities delayed new start		-1,528	
238 MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	97,152	95,493	-1,659
Force on force training systems schedule delays		-2,268	
Aerial delivery and autonomous distribution entry excess to need		-7,391	
Program increase - advanced lightweight polymer cased 7.62mm ammunition		8,000	
240 USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	39,976	37,821	-2,155
SIGINT collection system product development previously funded		-2,155	
241 AMPHIBIOUS ASSAULT VEHICLE	22,637	20,690	-1,947
Program management excess to need		-1,947	
243 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	32,473	28,235	-4,238
Test delays		-1,371	
System improvement program efforts schedule delay		-2,867	
254 UAS INTEGRATION AND INTEROPERABILITY	41,212	24,663	-16,549
Increment II schedule re-phase		-16,549	
261 RQ-21A	10,914	6,000	-4,914
Excess to need		-4,914	
264 RQ-4 MODERNIZATION	219,894	214,648	-5,246
Test and evaluation previously funded		-5,246	
268 SATELLITE COMMUNICATIONS (SPACE)	39,174	34,174	-5,000
Management services excess growth		-5,000	
9999 CLASSIFIED PROGRAMS	1,549,503	1,685,303	135,800
Program increase		135,800	

SMALL BUSINESS INNOVATION RESEARCH PROGRAM

The Committee recognizes that the Small Business Innovation Research (SBIR) program is a valuable tool to engage small businesses and provide a pathway for innovators to conduct business with the Department of Defense. According to SBIR law, agencies are to use the SBIR awardee to the greatest extent practicable, thus giving that awardee the opportunity to perfect and scale their innovations. If an agency determines that it is not practicable to pursue SBIR-developed technologies with their SBIR awardee they are to notify the Small Business Administration and allow for an appeal process.

The Committee is concerned about the Navy's adherence to SBIR law, specifically as it pertains to the fully competed Automated Test and Re-Test program. Despite communications from the Navy that the technology has been successful; has led to an "enterprise-wide" approach; and can lower the time, cost, and improve the quality of naval warfare systems, the Navy resists deploying the technology beyond a few programs, while at the same time pursuing other entities. The resistance to allow innovators to participate in Department of Defense markets directly impacts transformational efficiencies recommended by military leadership.

As such, the Committee recommendation includes a transfer of $30,000,000 from the Office of Naval Research management headquarters to the Automated Test and Re-Test program for the purpose of scaling and deploying the technology throughout the Navy.

ADVANCED LIGHTWEIGHT POLYMER-CASED 7.62MM AMMUNITIONS

The Committee recognizes the progress made on the design, development, and testing of advanced lightweight small arms ammunitions. The Committee encourages the Secretary of the Navy to continue to explore and refine the use of advanced lightweight polymer-cased 7.62mm ammunitions to reduce weight burden, improve mobility, and enhance survivability of warfighters.

ADVANCED ENERGETICS RESEARCH

The Committee recognizes the requirement for continued investment in advanced energetics research and development to increase the lethality, range, and speed of weapons; develop new capabilities; and expand the domestic energetics workforce. The Committee encourages the Secretary of the Navy to support advanced energetics research and development efforts and to incorporate successful technologies into advanced weapon systems.

DDG—51 DEGAUSSING STANDARDS

The Committee recognizes that DDG–51 Destroyers account for more than half of the Navy's surface combatant fleet and that these ships operate daily in regions where mine warfare is a significant threat. The Committee is concerned that the current fleet of destroyers may not have the most current magnetic signature requirements and in-service ship degaussing systems. The Committee directs the Secretary of the Navy to provide a report to the congressional defense committees not later than 60 days after the enactment of this Act that details the current state of degaussing sys-

tems in the DDG–51 fleet, the most recent Navy degaussing standards, and a plan, including cost and schedule, for incorporating such standards into both new construction and in-service DDG–51s.

ENERGY STORAGE RESEARCH

The Committee supports continued research in power generation and energy storage and notes that the development and deployment of lithium ion batteries are critical to current and future missions. However, the Committee understands that safety concerns have often hindered the operational use of lithium ion batteries. The Committee believes that the development and qualification of materials technologies, such as non-flammable electrolytes, aimed at improving lithium ion battery safety and performance should be a research priority.

COASTAL ENVIRONMENTAL RESEARCH

The Committee understands the importance of the littoral region to Navy operations worldwide and believes that training must replicate the operational and threat environments that submarines and unmanned systems are likely to encounter in these areas. The Committee believes that additional research of the magnetic, electric, and acoustic ambient fields in the littoral regions and the development of predictive techniques to distinguish ships and submarines from naturally occurring background features would be beneficial for littoral operations. The Committee encourages the Secretary of the Navy to conduct additional research in this area.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Fiscal year 2018 appropriation	$37,428,078,000
Fiscal year 2019 budget request	40,178,343,000
Committee recommendation	40,939,500,000
Change from budget request	+761,157,000

The Committee recommends an appropriation of $40,939,500,000 for Research, Development, Test and Evaluation, Air Force which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE			
	BASIC RESEARCH			
1	DEFENSE RESEARCH SCIENCES	348,322	348,322	---
2	UNIVERSITY RESEARCH INITIATIVES	154,991	154,991	---
3	HIGH ENERGY LASER RESEARCH INITIATIVES	14,506	13,056	-1,450
	TOTAL, BASIC RESEARCH	517,819	516,369	-1,450
	APPLIED RESEARCH			
4	MATERIALS	125,373	150,373	+25,000
5	AEROSPACE VEHICLE TECHNOLOGIES	130,547	151,547	+21,000
6	HUMAN EFFECTIVENESS APPLIED RESEARCH	112,518	117,518	+5,000
7	AEROSPACE PROPULSION	190,919	196,919	+6,000
8	AEROSPACE SENSORS	166,534	166,534	---
9	SCIENCE AND TECHNOLOGY MANAGEMENT - MAJOR HEADQUARTERS	8,288	8,288	---
11	CONVENTIONAL MUNITIONS	112,841	112,841	---
12	DIRECTED ENERGY TECHNOLOGY	141,898	141,898	---
13	DOMINANT INFORMATION SCIENCES AND METHODS	162,420	172,420	+10,000
14	HIGH ENERGY LASER RESEARCH	43,359	43,359	---
15	SPACE TECHNOLOGY	117,645	122,645	+5,000
	TOTAL, APPLIED RESEARCH	1,312,342	1,384,342	+72,000
	ADVANCED TECHNOLOGY DEVELOPMENT			
16	ADVANCED MATERIALS FOR WEAPON SYSTEMS	34,426	47,426	+13,000
17	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	15,150	15,150	---
18	ADVANCED AEROSPACE SENSORS	39,968	39,968	---
19	AEROSPACE TECHNOLOGY DEV/DEMO	121,002	121,002	---
20	AEROSPACE PROPULSION AND POWER TECHNOLOGY	115,462	122,462	+7,000
21	ELECTRONIC COMBAT TECHNOLOGY	55,319	55,319	---
22	ADVANCED SPACECRAFT TECHNOLOGY	54,895	60,895	+6,000
23	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	10,674	10,674	---
24	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT	36,463	36,463	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
25	CONVENTIONAL WEAPONS TECHNOLOGY	194,981	194,981	---
26	ADVANCED WEAPONS TECHNOLOGY	43,368	43,368	---
27	MANUFACTURING TECHNOLOGY PROGRAM	42,025	58,025	+16,000
28	BATTLESPACE KNOWLEDGE DEVELOPMENT & DEMONSTRATION	51,064	60,064	+9,000
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	814,797	865,797	+51,000
	ADVANCED COMPONENT DEVELOPMENT			
30	INTELLIGENCE ADVANCED DEVELOPMENT	5,568	5,568	---
32	COMBAT IDENTIFICATION TECHNOLOGY	18,194	18,194	---
33	NATO RESEARCH AND DEVELOPMENT	2,305	2,305	---
35	INTERCONTINENTAL BALLISTIC MISSILE	41,856	32,356	-9,500
37	LONG RANGE STRIKE	2,314,196	2,314,196	---
38	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT	14,894	14,894	---
39	ADVANCED TECHNOLOGY AND SENSORS	34,585	34,585	---
40	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP	9,740	9,740	---
41	TECHNOLOGY TRANSFER	12,960	7,960	-5,000
42	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM	71,501	69,701	-1,800
43	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS	62,618	62,618	---
46	DEPLOYMENT AND DISTRIBUTION ENTERPRISE R&D	28,350	28,350	---
48	TECH TRANSITION PROGRAM	1,186,075	1,211,075	+25,000
49	GROUND BASED STRATEGIC DETERRENT	345,041	414,441	+69,400
50	NEXT GENERATION AIR DOMINANCE	503,997	453,997	-50,000
51	THREE DIMENSIONAL LONG-RANGE RADAR	40,326	40,326	---
52	UNIFIED PLATFORM (UP)	29,800	29,800	---
54	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	41,880	41,880	---
55	MISSION PARTNER ENVIRONMENTS	10,074	10,074	---
56	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	253,825	203,825	-50,000
57	ENABLED CYBER ACTIVITIES	16,325	16,325	---
59	CONTRACTING INFORMATION TECHNOLOGY SYSTEM	17,577	17,577	---
60	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	286,629	286,629	---
61	EO/IR WEATHER SYSTEMS	7,940	7,940	---
62	WEATHER SYSTEM FOLLOW-ON	138,052	118,242	-19,810
63	SPACE SITUATION AWARENESS SYSTEMS	39,338	29,338	-10,000
64	MIDTERM POLAR MILSATCOM SYSTEM	383,113	383,113	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
65	SPACE CONTROL TECHNOLOGY	91,018	64,430	-26,588
66	SPACE SECURITY AND DEFENSE PROGRAM	45,542	45,542	---
67	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	51,419	51,419	---
68	PROTECTED TACTICAL SERVICE (PTS)	29,776	29,776	---
69	PROTECTED SATCOM SERVICES (PSCS) - AGGREGATED	29,379	16,000	-13,379
70	SPACE RAPID CAPABILITIES OFFICE	366,050	366,050	---
	TOTAL, ADVANCED COMPONENT DEVELOPMENT	6,529,943	6,438,266	-91,677
	ENGINEERING & MANUFACTURING DEVELOPMENT			
71	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	39,602	28,602	-11,000
72	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT	58,531	46,731	-11,800
73	NUCLEAR WEAPONS SUPPORT	4,468	4,468	---
74	ELECTRONIC WARFARE DEVELOPMENT	1,909	1,909	---
75	TACTICAL DATA NETWORKS ENTERPRISE	207,746	207,746	---
76	PHYSICAL SECURITY EQUIPMENT	14,421	14,421	---
74	SMALL DIAMETER BOMB (SDB)	73,158	73,158	---
81	AIRBORNE ELECTRONIC ATTACK	7,153	6,153	-1,000
83	ARMAMENT/ORDNANCE DEVELOPMENT	58,590	49,590	-9,000
84	SUBMUNITIONS	2,990	2,990	---
85	AGILE COMBAT SUPPORT	20,028	20,028	---
86	JOINT DIRECT ATTACK MUNITION	15,787	15,787	---
87	LIFE SUPPORT SYSTEMS	8,919	8,919	---
88	COMBAT TRAINING RANGES	35,895	35,895	---
89	F-35 - EMD	69,001	69,001	---
91	LONG RANGE STANDOFF WEAPON	614,920	699,920	+85,000
92	ICBM FUZE MODERNIZATION	172,902	172,902	---
97	KC-46	88,170	83,170	-5,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
98	ADVANCED PILOT TRAINING	265,465	245,465	-20,000
99	COMBAT RESCUE HELICOPTER	457,652	457,652	---
105	ACQUISITION WORKFORCE - GLOBAL BATTLE MANAGEMENT	3,617	3,617	---
106	B-2 DEFENSIVE MANAGEMENT SYSTEM	261,758	253,258	-8,500
107	NUCLEAR WEAPONS MODERNIZATION	91,907	91,907	---
108	F-15 EPAWSS	137,095	137,095	---
109	STAND IN ATTACK WEAPON	43,175	20,575	-22,600
110	ADVANCED COMMUNICATIONS SYSTEMS	14,888	14,888	---
111	FULL COMBAT MISSION TRAINING	1,015	1,015	---
115	NEXTGEN JSTARS	---	623,000	+623,000
116	C-32 EXECUTIVE TRANSPORT RECAPITALIZATION	7,943	7,943	---
117	PRESIDENTIAL AIRCRAFT REPLACEMENT	673,032	673,032	---
118	AUTOMATED TEST SYSTEMS	13,653	13,653	---
119	COMBAT SURVIVOR EVADER LOCATOR	939	939	---
120	GPS IIIC	451,889	433,889	-18,000
121	SPACE SITUATION AWARENESS OPERATIONS	46,668	46,668	---
122	COUNTERSPACE SYSTEMS	20,676	20,676	---
123	SPACE SITUATION AWARENESS SYSTEMS	134,463	114,463	-20,000
124	SPACE FENCE	20,215	15,215	-5,000
125	ADVANCED EHF MILSATCOM (SPACE)	151,506	146,506	-5,000
126	POLAR MILSATCOM (SPACE)	27,337	27,337	---
127	WIDEBAND GLOBAL SATCOM (SPACE)	3,970	3,970	---
127A	COMMERCIAL SATCOM	---	49,500	+49,500
128	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD	60,565	60,565	---
129	EVOLVED SBIRS	643,126	---	-643,126
129A	NEXT-GENERATION OPIR	---	633,126	+633,126
130	EVOLVED EXPENDABLE LAUNCH VEHICLE PROGRAM (SPACE) - EMD	245,447	245,447	---
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	5,272,191	5,882,791	+610,600

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	RDT&E MANAGEMENT SUPPORT			
131	THREAT SIMULATOR DEVELOPMENT	34,256	34,256	---
132	MAJOR T&E INVESTMENT	91,844	91,844	---
133	RAND PROJECT AIR FORCE	34,614	34,614	---
135	INITIAL OPERATIONAL TEST & EVALUATION	18,043	18,043	---
136	TEST AND EVALUATION SUPPORT	692,784	636,784	-56,000
137	ACQ WORKFORCE- GLOBAL POWER	233,924	233,924	---
138	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	263,488	263,488	---
139	ACQ WORKFORCE- GLOBAL REACH	153,591	153,591	---
140	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	232,315	232,315	---
141	ACQ WORKFORCE- GLOBAL BATTLE MGMT	169,868	169,868	---
142	ACQ WORKFORCE- CAPABILITY INTEGRATION	226,219	226,219	---
143	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY	38,400	38,400	---
144	ACQ WORKFORCE- NUCLEAR SYSTEMS	125,761	125,761	---
147	MANAGEMENT HQ - R&D	10,642	10,642	---
148	FACILITIES RESTORATION & MODERNIZATION - TEST & EVAL	162,216	162,216	---
149	FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT	28,888	28,888	---
150	REQUIREMENTS ANALYSIS AND MATURATION	35,285	35,285	---
153	ENTERPRISE INFORMATION SERVICES (EIS)	20,545	20,545	---
154	ACQUISITION AND MANAGEMENT SUPPORT	12,367	12,367	---
155	GENERAL SKILL TRAINING	1,448	448	-1,000
157	INTERNATIONAL ACTIVITIES	3,998	3,998	---
158	SPACE TEST AND TRAINING RANGE DEVELOPMENT	23,254	23,254	---
159	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE	169,912	169,912	---
160	SPACE & MISSILE SYSTEMS CENTER - MHA	10,508	10,508	---
161	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	19,721	19,721	---
162	SPACE TEST PROGRAM (STP)	25,620	25,620	---
	TOTAL, RDT&E MANAGEMENT SUPPORT	2,839,511	2,782,511	-57,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	OPERATIONAL SYSTEMS DEVELOPMENT			
165	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	11,344	11,344	---
167	AIR FORCE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM	47,287	47,287	---
168	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	32,770	32,770	---
169	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	68,368	68,368	---
170	HC/MC-130 RECAP RDT&E	32,574	16,174	-16,400
171	NC3 INTEGRATION	26,112	26,112	---
172	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	99,100	99,100	---
173	B-52 SQUADRONS	280,414	291,264	+10,850
174	AIR-LAUNCHED CRUISE MISSILE (ALCM)	5,955	5,955	---
175	B-1B SQUADRONS	76,030	60,295	-15,735
176	B-2 SQUADRONS	105,561	105,561	---
177	MINUTEMAN SQUADRONS	156,047	154,733	-1,314
179	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	10,442	10,442	---
180	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK	22,833	22,833	---
181	ICBM REENTRY VEHICLES	18,412	14,167	-4,245
183	UH-1N REPLACEMENT PROGRAM	288,022	258,022	-30,000
184	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION	9,252	6,252	-3,000
186	MQ-9 UAV	115,345	94,345	-21,000
188	A-10 SQUADRONS	26,738	26,738	---
189	F-16 SQUADRONS	191,564	191,564	---
190	F-15E SQUADRONS	192,883	193,083	+200
191	MANNED DESTRUCTIVE SUPPRESSION	15,238	15,238	---
192	F-22 SQUADRONS	603,553	603,553	---
193	F-35 SQUADRONS	549,501	549,501	---
194	TACTICAL AIM MISSILES	37,230	37,230	---
195	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	61,393	61,393	---
196	COMBAT RESCUE - PARARESCUE	647	647	---
198	PRECISION ATTACK SYSTEMS PROCUREMENT	14,891	14,891	---
199	COMPASS CALL	13,901	43,901	+30,000
200	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	121,203	121,203	---
202	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	60,062	60,062	---
203	AIR AND SPACE OPERATIONS CENTER (AOC)	106,102	98,102	-8,000
204	CONTROL AND REPORTING CENTER (CRC)	6,413	6,413	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
205	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	120,664	103,384	-17,280
206	TACTICAL AIRBORNE CONTROL SYSTEMS	2,659	2,659	---
208	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	10,316	10,316	---
209	TACTICAL AIR CONTROL PARTY--MOD	6,149	6,149	---
210	C2ISR TACTICAL DATA LINK	1,738	538	-1,200
211	DCAPES	13,297	13,297	---
212	NATIONAL TECHNICAL NUCLEAR FORENSICS	1,788	1,788	---
213	JOINT SURVEILLANCE/TARGETATTACK RADAR SYSTEM (JSTARS)	14,888	14,888	---
214	SEEK EAGLE	24,699	24,699	---
215	USAF MODELING AND SIMULATION	17,078	17,078	---
216	WARGAMING AND SIMULATION CENTERS	6,141	6,141	---
218	DISTRIBUTED TRAINING AND EXERCISES	4,225	3,825	-400
219	MISSION PLANNING SYSTEMS	63,653	63,653	---
220	TACTICAL DECEPTION	6,949	6,949	---
221	AF OFFENSIVE CYBERSPACE OPERATIONS	40,526	40,526	---
222	AF DEFENSIVE CYBERSPACE OPERATIONS	24,166	24,166	---
223	JOINT CYBER COMMAND AND CONTROL (JCC2)	13,000	13,000	---
224	UNIFIED PLATFORM (UP)	28,759	28,759	---
229	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	3,579	3,579	---
230	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)	29,620	29,620	---
237	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS	6,633	6,633	---
238	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	57,758	57,758	---
240	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	99,088	85,388	-13,700
241	HIGH FREQUENCY RADIO SYSTEMS	51,612	51,612	---
242	INFORMATION SYSTEMS SECURITY PROGRAM	34,612	34,612	---
244	GLOBAL FORCE MANAGEMENT - DATA INITIATIVE	2,170	2,170	---
246	AIRBORNE SIGINT ENTERPRISE	106,873	109,873	+3,000
247	COMMERCIAL ECONOMIC ANALYSIS	3,472	3,472	---
250	C2 AIR OPERATIONS SUITE - C2 INFO SERVICES	8,608	8,608	---
251	CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,586	1,586	---
252	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,492	4,492	---
254	WEATHER SERVICE	26,942	26,942	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
255	AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC).	6,271	8,271	+2,000
256	AERIAL TARGETS	8,383	6,683	-1,700
259	SECURITY AND INVESTIGATIVE ACTIVITIES	418	418	---
260	ARMS CONTROL IMPLEMENTATION	---	21,374	+21,374
261	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	3,845	3,845	---
268	DRAGON U-2	48,518	65,518	+17,000
270	AIRBORNE RECONNAISSANCE SYSTEMS	175,334	92,309	-83,025
271	MANNED RECONNAISSANCE SYSTEMS	14,223	14,223	---
272	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	24,554	24,554	---
273	RQ-4 UAV	221,690	221,690	---
274	NETWORK-CENTRIC COLLABORATIVE TARGET (TIARA)	14,288	14,288	---
275	NATO AGS	51,527	51,527	---
276	SUPPORT TO DCGS ENTERPRISE	26,579	26,579	---
278	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES	8,464	8,464	---
280	RAPID CYBER ACQUISITION	4,303	4,303	---
284	PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,466	2,466	---
285	INTELLIGENCE MISSION DATA (IMD)	4,117	4,117	---
287	C-130 AIRLIFT SQUADRON	105,988	105,988	---
288	C-5 AIRLIFT SQUADRONS	25,071	25,071	---
289	C-17 AIRCRAFT	48,299	48,299	---
290	C-130J PROGRAM	15,409	15,409	---
291	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	4,334	4,334	---
292	KC-135S	3,493	3,493	---
293	KC-10S	6,569	6,569	---
294	OPERATIONAL SUPPORT AIRLIFT	3,172	3,172	---
295	CV-22	18,502	16,502	-2,000
296	AMC COMMAND AND CONTROL SYSTEM	1,688	1,688	---
297	SPECIAL TACTICS / COMBAT CONTROL	2,541	2,541	---
298	DEPOT MAINTENANCE (NON-IF)	1,897	1,897	---
299	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	50,933	50,933	---
300	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	13,787	13,787	---
301	SUPPORT SYSTEMS DEVELOPMENT	4,497	4,497	---
302	OTHER FLIGHT TRAINING	2,022	2,022	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
303	OTHER PERSONNEL ACTIVITIES	108	108	---
304	JOINT PERSONNEL RECOVERY AGENCY	2,023	2,023	---
305	CIVILIAN COMPENSATION PROGRAM	3,772	3,772	---
306	PERSONNEL ADMINISTRATION	6,358	4,258	-2,100
307	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,418	1,418	---
308	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT	99,734	99,734	---
309	SERVICE SUPPORT TO STRATCOM - SPACE ACTIVITIES	14,161	14,161	---
310	AF TENCAP	26,986	26,986	---
311	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	80,168	63,568	-16,600
312	SATELLITE CONTROL NETWORK (SPACE)	17,808	17,808	---
314	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS)	8,937	8,937	---
315	SPACE AND MISSILE TEST AND EVALUATION CENTER	59,935	162,935	+103,000
316	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT	21,019	21,019	---
317	INTEGRATED BROADCAST SERVICE (IBS)	8,568	8,568	---
318	SPACELIFT RANGE SYSTEM (SPACE)	10,641	10,641	---
319	GPS III SPACE SEGMENT	144,543	144,543	---
320	SPACE SUPERIORITY INTELLIGENCE	16,278	10,278	-6,000
321	JSPOC MISSION SYSTEM	72,256	62,256	-10,000
322	NATIONAL SPACE DEFENSE CENTER	42,209	55,309	+13,100
325	NUDET DETECTION SYSTEM (SPACE)	19,778	19,778	---
326	SPACE SITUATION AWARENESS OPERATIONS	19,572	19,572	---
327	GLOBAL POSITIONING SYSTEM III - OPERATIONAL CONTROL SEGMENT	513,235	513,235	---
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	6,357,616	6,304,441	-53,175
9999	CLASSIFIED PROGRAMS	16,534,124	16,764,983	+230,859
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, AIR FORCE	40,178,343	40,939,500	+761,157

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

R-1		Budget Request	Committee Recommended	Change from Request
3	HIGH ENERGY LASER RESEARCH INITIATIVES	14,506	13,056	-1,450
	Underexecution		-1,450	
4	MATERIALS	125,373	150,373	25,000
	Program increase - thermal protection for hypersonic vehicles		10,000	
	Program increase - biosensor materials		5,000	
	Program increase - coatings		5,000	
	Program increase - high temperature material technologies for turbine engines		5,000	
5	AEROSPACE VEHICLE TECHNOLOGIES	130,547	151,547	21,000
	Program increase - hypersonic vehicle structures		10,000	
	Program increase - flight controls and pilot-vehicle interfaces		5,000	
	Program increase - high speed systems technology		6,000	
6	HUMAN EFFECTIVENESS APPLIED RESEARCH	112,518	117,518	5,000
	Program increase - hypoxia research		5,000	
7	AEROSPACE PROPULSION	190,919	196,919	6,000
	Program increase - thermal management systems		6,000	
13	DOMINANT INFORMATION SCIENCES AND METHODS	162,420	172,420	10,000
	Program increase		10,000	
15	SPACE TECHNOLOGY	117,645	122,645	5,000
	Program increase - advanced spacecraft technologies		5,000	
16	ADVANCED MATERIALS FOR WEAPON SYSTEMS	34,426	47,426	13,000
	Program increase - metals affordability research		10,000	
	Program increase - materials transition of metals for hypersonics		3,000	
20	AEROSPACE PROPULSION & POWER TECHNOLOGY	115,462	122,462	7,000
	Program increase - advanced turbine engine gas generator		7,000	
22	ADVANCED SPACECRAFT TECHNOLOGY	54,895	60,895	6,000
	Program increase - radiation hardened microelectronics		6,000	
27	MANUFACTURING TECHNOLOGY PROGRAM	42,025	58,025	16,000
	Program increase - low cost attritable aircraft technology		12,000	
	Program increase - agile manufacturing capabilities for affordable advanced turbine engines		4,000	
28	BATTLESPACE KNOWLEDGE DEV/DEMO	51,064	60,064	9,000
	Program increase - assured worldwide connectivity		9,000	

R-1		Budget Request	Committee Recommended	Change from Request
35	ICBM DEM/VAL	41,856	32,356	-9,500
	GAP unjustified growth		-2,000	
	RVAP unjustified growth		-5,200	
	C2AP unjustified growth		-2,300	
41	TECHNOLOGY TRANSFER	12,960	7,960	-5,000
	Unjustified growth		-5,000	
42	HDBTDS	71,501	69,701	-1,800
	Program excess		-1,800	
48	TECH TRANSITION PROGRAM	1,186,075	1,211,075	25,000
	Program increase - laser coating removal technology		10,000	
	Program increase - competitively awarded technology transition		10,000	
	Program increase - health and logistics management technology		5,000	
49	GROUND BASED STRATEGIC DETERRENT	345,041	414,441	69,400
	Program increase - unfunded requirement		69,400	
50	NEXT GENERATION AIR DOMINANCE	503,997	453,997	-50,000
	Program growth excess to need		-50,000	
56	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	253,825	203,825	-50,000
	Excess growth		-50,000	
62	WEATHER SYSTEM FOLLOW-ON	138,052	118,242	-19,810
	Program decrease - improve funds management		-8,110	
	Ahead of need		-10,000	
	COWVR technology demonstration		-7,700	
	Program increase - commercial weather data pilot		6,000	
63	SPACE SITUATION AWARENESS SYSTEMS	39,338	29,338	-10,000
	Ahead of need		-10,000	
65	SPACE CONTROL TECHNOLOGY	91,018	64,430	-26,588
	Insufficient justification		-26,588	
69	PROTECTED SATCOM SERVICES - AGGREGATED	29,379	16,000	-13,379
	Insufficent justification		-13,379	
71	FUTURE ADVANCED WEAPON ANALYSIS	39,602	28,602	-11,000
	Excess to need		-11,000	
72	INTEGRATED AVIONICS PLANNING AND DEVELOPMENT	58,531	46,731	-11,800
	EGI-M delays		-11,800	
81	AIRBORNE ELECTRONIC ATTACK	7,153	6,153	-1,000
	Excess growth		-1,000	
83	ARMAMENT/ORDNANCE DEVELOPMENT	58,590	49,590	-9,000
	JAGM-F excess to need		-9,000	

R-1	Budget Request	Committee Recommended	Change from Request
91 LONG RANGE STANDOFF WEAPON	**614,920**	**699,920**	**85,000**
Program increase - unfunded requirement		85,000	
97 KC-46	**88,170**	**83,170**	**-5,000**
Excess to need		-5,000	
98 ADVANCED PILOT TRAINING	**265,465**	**245,465**	**-20,000**
ECO excess to need		-20,000	
106 B-2 DMS	**261,758**	**253,258**	**-8,500**
Forward financing		-8,500	
109 STAND IN ATTACK WEAPON	**43,175**	**20,575**	**-22,600**
Excess to need		-22,600	
115 JSTARS RECAP	**0**	**623,000**	**623,000**
Program increase - continue recap program		623,000	
120 GPS IIIC	**451,889**	**433,889**	**-18,000**
SMI insufficient justification		-18,000	
123 SPACE SITUATION AWARENESS SYSTEMS	**134,463**	**114,463**	**-20,000**
Excess to need		-20,000	
124 SPACE FENCE	**20,215**	**15,215**	**-5,000**
Program decrease - improve funds management		-5,000	
125 AEHF MILSATCOM (SPACE)	**151,506**	**146,506**	**-5,000**
PTSFD studies		-5,000	
127A COMMERCIAL SATCOM	**0**	**49,500**	**49,500**
Commercial Satellite Communications - transfer from SP,AF line 5		49,500	
129 EVOLVED SBIRS	**643,126**	**0**	**-643,126**
Next-Generation OPIR - transfer to line 129A		-643,126	
129A NEXT-GENERATION OPIR	**0**	**633,126**	**633,126**
Transfer from line 129		643,126	
SMI technology maturation duplicate request		-10,000	
136 TEST AND EVALUATION SUPPORT	**692,784**	**636,784**	**-56,000**
Infrastructure projects not executable		-106,000	
Program increase - major range and test facility base infrastructure enhancements		50,000	
155 GENERAL SKILL TRAINING	**1,448**	**448**	**-1,000**
Historical underexecution		-1,000	
170 HC/MC-130 RECAP	**32,574**	**16,174**	**-16,400**
Block 8.1 program delays		-16,400	

R-1	Budget Request	Committee Recommended	Change from Request
173 B-52 SQUADRONS	**280,414**	**291,264**	**10,850**
Crypto mod - Air Force requested transfer from AP,AF line 21		12,000	
Tactical Data Link - Air Force requested transfer from AP,AF line 21		1,450	
B-52 re-engine - delayed new start		-2,600	
175 B-1B SQUADRONS	**76,030**	**60,295**	**-15,735**
FITP delayed new start		-13,300	
MIDS-JTRS delayed new start		-2,435	
177 MINUTEMAN SQUADRONS	**156,047**	**154,733**	**-1,314**
FRBP SLEP - program under reassessment		-814	
Ground test upgrade program descoped		-500	
181 ICBM REENTRY VEHICLES	**18,412**	**14,167**	**-4,245**
Excess to need		-4,245	
183 UH-1N REPLACEMENT	**288,022**	**258,022**	**-30,000**
Program delay		-30,000	
184 RSOC MODERNIZATION	**9,252**	**6,252**	**-3,000**
Underexecution		-3,000	
186 MQ-9	**115,345**	**94,345**	**-21,000**
Dismount radar development		-10,000	
Release 3 and 4 excess growth		-11,000	
190 F-15 SQUADRONS	**192,883**	**193,083**	**200**
SLEP wings delayed new start		-4,700	
IRST excess to need		-16,600	
OFP suite 9 excess to need		-28,500	
Program increase - electronic warfare warning set		50,000	
199 COMPASS CALL	**13,901**	**43,901**	**30,000**
Program increase - baseline acceleration		30,000	
203 AOC	**106,102**	**98,102**	**-8,000**
Program delays		-8,000	
205 AWACS	**120,664**	**103,384**	**-17,280**
Electronic protection program delay / change in acquisition strategy		-17,280	
210 C2ISR TACTICAL DATA LINK	**1,738**	**538**	**-1,200**
Underexecution		-1,200	
218 DISTRIBUTED TRAINING AND EXERCISES	**4,225**	**3,825**	**-400**
Underexecution		-400	
240 MEECN	**99,088**	**85,388**	**-13,700**
Underexecution		-13,700	

R-1	Budget Request	Committee Recommended	Change from Request
246 AIRBORNE SIGINT ENTERPRISE	**106,873**	**109,873**	**3,000**
Program increase - common development		3,000	
255 ATCALS	**6,271**	**8,271**	**2,000**
Program increase - infill radars		2,000	
256 AERIAL TARGETS	**8,383**	**6,683**	**-1,700**
EA pods underexecution		-1,700	
260 ARMS CONTROL IMPLEMENTATION	**0**	**21,374**	**21,374**
OC-135 recap integration and risk reduction - transfer from AP,AF line 3		21,374	
268 U-2	**48,518**	**65,518**	**17,000**
Program increase		17,000	
270 AIRBORNE RECONNAISSANCE SYSTEMS	**175,334**	**92,309**	**-83,025**
Dismount detection radar		-103,025	
Program increase - wide area surveillance		10,000	
Program increase - sensor open system architecture		10,000	
295 CV-22	**18,502**	**16,502**	**-2,000**
IIS delays		-2,000	
306 PERSONNEL ADMINISTRATION	**6,358**	**4,258**	**-2,100**
Underexecution		-2,100	
311 FAB-T	**80,168**	**63,568**	**-16,600**
FAB-T - improve funds management		-2,000	
PNVC integrator - improve funds management		-14,600	
315 SPACE AND MISSILE TEST AND EVALUATION CENTER	**59,935**	**162,935**	**103,000**
Program increase		103,000	
320 SPACE SUPERIORITY INTELLIGENCE	**16,278**	**10,278**	**-6,000**
Insufficient justification		-6,000	
321 JSPOC MISSION SYSTEM	**72,256**	**62,256**	**-10,000**
Prior year carryover		-10,000	
322 NATIONAL SPACE DEFENSE CENTER	**42,209**	**55,309**	**13,100**
Program increase		13,100	
999 CLASSIFIED PROGRAMS	**16,534,124**	**16,764,983**	**230,859**
Classified adjustment		230,859	

JOINT SURVEILLANCE TARGET ATTACK RADAR SYSTEM RECAPITALIZATION

The fiscal year 2019 budget request proposes to terminate the Joint Surveillance Target Attack Radar System (JSTARS) recapitalization program and removes all funding for the program from the future years defense plan. The Committee strongly supports the continuation of the JSTARS recapitalization program and notes that the Department of Defense Appropriations Act, 2018, provided $405,451,000 for JSTARS recapitalization and prohibited the Secretary of the Air Force from reprogramming or otherwise utilizing these funds for any purpose other than the JSTARS recapitalization program of record.

The Committee further notes that the House-passed version of the National Defense Authorization Act for Fiscal Year 2019 would limit the use of certain funds until the Secretary of the Air Force certifies that a contract has been awarded for JSTARS recapitalization. The Committee believes that should the Secretary of the Air Force decide to continue the JSTARS recapitalization program and award a contract, the funding previously appropriated is sufficient through fiscal year 2019 based on previous Air Force budget estimates. However, since the Air Force removed funding for the program in the future years defense plan and is in the process of formulating its fiscal year 2020 budget request, the Committee recommends an additional $623,000,000 to support potential continuation of the JSTARS recapitalization program and designates this funding as a congressional special interest item. In addition, the Committee recommendation includes a provision that would prohibit the divestment of more than one legacy E–8C JSTARS aircraft unless the Secretary of the Air Force certifies to the congressional defense committees that funds have been obligated pursuant to a contract award for continuation of the JSTARS recapitalization program.

The Committee further directs the Secretary of the Air Force to submit a report to the congressional defense committees not later than September 30, 2018, that provides options for continuing the JSTARS recapitalization program with an acquisition objective for fewer than 17 aircraft but which can still fulfill known combatant commander requirements. The report shall include estimated cost and schedule impacts, available options for accelerating the delivery of new JSTARS aircraft, and the timeline for achievement of initial operating capability.

F–15

The Committee recommendation includes $50,000,000 above the budget request to upgrade the F–15 electronic warfare warning set in order to restore capability degraded by the fielding of active electronically scanned array radars. In addition, the Committee is concerned by the Air Force's decision to remove funding for the procurement of Eagle Passive Active Warning and Survivability System (EPAWSS) kits for the F–15C fleet. The Committee understands that the Air Force intends to achieve a production decision for EPAWSS in fiscal year 2019 and has funded the development of the increment 1 capability for the F–15C through preliminary

design review. The Committee is also aware that the Air Force continues to invest in F–15C capability and sustainability, including critical structural upgrades, as it considers options for the future of the fleet.

As such, the Committee directs the Secretary of the Air Force to submit a report to the congressional defense committees not later than 60 days after the enactment of this Act that includes the impact that the lack of EPAWSS will have on the F–15C fleet's mission capabilities for both homeland defense and contested environments overseas; whether the Joint Requirements Oversight Council has revalidated the reduced scope of the EPAWSS program to verify its effect on warfighter capabilities; the impact of the quantity for F–15C on EPAWSS unit costs; and a cost estimate by year and account to fully restore F–15C EPAWSS increment 1 modifications. To preserve the option of continuing EPAWSS production for the F–15C, the Committee also recommends an increase of $67,200,000 for F–15C EPAWSS procurement in Aircraft Procurement, Air Force.

TEST AND EVALUATION SUPPORT

The budget request includes $111,000,000 in Test and Evaluation Support funding for three major construction projects pursuant to the Defense Laboratory Modernization Pilot Program authorized under Section 2803 of the National Defense Authorization Act for Fiscal Year 2016. The Committee understands that the Air Force currently is not authorized to initiate planning and design activities for these projects using research, development, test and evaluation funds and thus the projects cannot be executed in fiscal year 2019. Therefore, the Committee recommendation reduces the request by $106,000,000 as ahead of need and recommends $5,000,000 only to initiate planning and design activities subject to authorization. At the same time, the Committee recommends an increase of $50,000,000 to support other needed enhancements to the major range and test facility base and directs the Secretary of the Air Force to provide a spending plan for these funds to the congressional defense committees not later than 90 days after the enactment of this Act.

ADAPTIVE ENGINE TRANSITION PROGRAM

The Committee recommendation includes $790,355,000, the same level as the budget request, for the Adaptive Engine Transition Program (AETP). The AETP continues to mature engine technologies to high readiness levels and reduce the risk for the development of an adaptive cycle engine that will offer significant performance and operational capability enhancements and can be scaled to apply to existing and future combat aircraft. The Committee encourages the Secretary of the Air Force to continue investing in this technology to ensure the achievement of an operational capability at the earliest opportunity.

SPACE SOLAR POWER PROGRAM

The Committee understands that the Space Solar Power program is an Air Force priority but has concerns about its assignment to

the recently created Space Rapid Capabilities Office. Fiscal year 2019 budget justification materials do not include sufficient requirements, schedules, or costs to merit rapid acquisition. Therefore, the Committee designates this program as a new start and congressional special interest item, and directs the Secretary of the Air Force to assign all programmatic responsibilities, including budget authority, for the Space Solar Power program to the Air Force Research Laboratory.

COMMERCIAL SATELLITE COMMUNICATIONS SERVICES

The Committee is concerned about the Department of Defense's approach to acquiring commercial satellite communications services and is disappointed that the Department has not articulated its needs in a consolidated budget request. To increase visibility and oversight of this funding, the Committee recommendation transfers $49,000,000 from the Wideband Gapfiller Satellite program within the Space Procurement, Air Force appropriation into a new program element, Commercial Satellite Communications, within the Research, Development, Test, and Evaluation, Air Force appropriation. In addition, the Committee directs the Secretary of the Air Force to transfer all future commercial satellite communications integration funding into this new program element and encourages the Secretary of the Air Force to articulate and prioritize adequate funding in budget submissions for the future years defense plan.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Fiscal year 2018 appropriation	$22,010,975,000
Fiscal year 2019 budget request	22,016,553,000
Committee recommendation	22,291,423,000
Change from budget request	+274,870,000

The Committee recommends an appropriation of $22,291,423,000 for Research, Development, Test and Evaluation, Defense-Wide which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	RESEARCH, DEVELOPMENT, TEST & EVAL, DEFENSE-WIDE			
	BASIC RESEARCH			
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH..	37,023	37,023	---
2	DEFENSE RESEARCH SCIENCES.....	422,130	422,130	---
3	BASIC RESEARCH INITIATIVES.....	42,702	44,702	+2,000
4	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE.....	47,825	47,825	---
5	NATIONAL DEFENSE EDUCATION PROGRAM.....	85,919	85,919	---
6	HISTORICALLY BLACK COLLEGES & UNIV (HBCU).....	30,412	40,412	+10,000
7	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	42,103	42,103	---
	TOTAL, BASIC RESEARCH.....	708,114	720,114	+12,000
	APPLIED RESEARCH			
8	JOINT MUNITIONS TECHNOLOGY.....	19,170	19,170	---
9	BIOMEDICAL TECHNOLOGY.....	101,300	101,300	---
11	LINCOLN LABORATORY RESEARCH PROGRAM.....	51,596	51,596	---
12	APPLIED RESEARCH FOR ADVANCEMENT S&T PRIORITIES.....	60,688	60,688	---
13	INFORMATION AND COMMUNICATIONS TECHNOLOGY.....	395,317	395,317	---
14	BIOLOGICAL WARFARE DEFENSE.....	38,640	38,640	---
15	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	192,674	192,674	---
16	CYBER SECURITY RESEARCH.....	14,969	14,969	---
17	TACTICAL TECHNOLOGY.....	335,466	335,466	---
18	MATERIALS AND BIOLOGICAL TECHNOLOGY.....	226,898	226,898	---
19	ELECTRONICS TECHNOLOGY.....	333,847	333,847	---
20	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES.....	161,151	157,151	-4,000
21	SOFTWARE ENGINEERING INSTITUTE.....	9,300	9,300	---
22	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT.....	35,921	35,921	---
	TOTAL, APPLIED RESEARCH.....	1,976,937	1,972,937	-4,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	ADVANCED TECHNOLOGY DEVELOPMENT			
23	JOINT MUNITIONS ADVANCED TECH INSENSITIVE MUNITIONS AD	25,598	25,598	---
24	COMBATING TERRORISM TECHNOLOGY SUPPORT.....	125,271	178,771	+53,500
25	FOREIGN COMPARATIVE TESTING.....	24,532	26,532	+2,000
27	COUNTERPROLIFERATION INITIATIVES--PROLIF PREV & DEFEAT	299,858	280,858	-19,000
28	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT.....	13,017	13,017	---
31	ADVANCED RESEARCH.....	20,365	20,365	---
32	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT.....	18,644	18,644	---
34	ADVANCED AEROSPACE SYSTEMS.....	277,603	277,603	---
35	SPACE PROGRAMS AND TECHNOLOGY.....	254,671	254,671	---
36	ANALYTIC ASSESSMENTS.....	19,472	19,472	---
37	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS.....	37,263	37,263	---
38	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS - MHA.....	13,621	13,621	---
39	COMMON KILL VEHICLE TECHNOLOGY.....	189,753	59,363	-130,390
40	DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUX).....	29,364	15,000	-14,364
41	TECHNOLOGY INNOVATION.....	83,143	33,143	-50,000
42	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEV	142,826	142,826	---
43	RETRACT LARCH.....	161,128	161,128	---
44	JOINT ELECTRONIC ADVANCED TECHNOLOGY.....	12,918	12,918	---
45	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS.....	106,049	106,049	---
46	NETWORKED COMMUNICATIONS CAPABILITIES.....	12,696	12,696	---
47	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	114,637	114,637	---
48	MANUFACTURING TECHNOLOGY PROGRAM.....	49,667	49,667	---
49	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT.....	48,338	48,338	---
50	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS.....	11,778	11,778	---
52	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM.....	76,514	76,514	---
53	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT....	168,931	168,931	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
54	JOINT WARFIGHTING PROGRAM	5,992	5,992	---
55	ADVANCED ELECTRONICS TECHNOLOGIES	111,099	111,099	---
56	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	185,984	185,984	---
57	NETWORK-CENTRIC WARFARE TECHNOLOGY	438,569	438,569	---
58	SENSOR TECHNOLOGY	190,128	190,128	---
59	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	13,564	13,564	---
59A	DEFENSE RAPID INNOVATION PROGRAM	---	250,000	+250,000
60	SOFTWARE ENGINEERING INSTITUTE	15,050	15,050	---
61	QUICK REACTION SPECIAL PROJECTS	69,626	69,626	---
62	ENGINEERING SCIENCE AND TECHNOLOGY	19,415	19,415	---
63	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	69,533	74,533	+5,000
64	TEST & EVALUATION SCIENCE & TECHNOLOGY	96,389	96,389	---
65	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	40,582	40,582	---
66	CWMD SYSTEMS	26,644	26,644	---
67	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	79,380	79,380	---
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	3,699,612	3,796,358	+96,746
	DEMONSTRATION & VALIDATION			
68	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	28,140	28,140	---
69	WALKOFF	92,222	92,222	---
70	ACQUISITION ENTERPRISE DATA AND INFORMATION SERVICES	2,506	2,506	---
71	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	40,016	40,016	---
72	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	214,173	388,273	+174,100
73	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	926,359	844,359	-82,000
74	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	129,886	129,886	---
75	BALLISTIC MISSILE DEFENSE SENSORS	220,876	385,375	+164,499
76	BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS	540,926	624,426	+83,500
77	SPECIAL PROGRAMS - MDA	422,348	422,348	---
78	AEGIS BMD	767,539	726,076	-41,463
81	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT	475,168	518,668	+43,500

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
82	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	48,767	48,767	---
83 83	BALLISTIC MISSILE DEFENSE INTERGRATION AND OPERATIONS CENTER (MDIOC)	54,925	54,925	---
84	REGARDING TRENCH	16,916	16,916	---
85	SEA BASED X-BAND RADAR (SBX)	149,715	136,715	-13,000
86	ISRAELI COOPERATIVE PROGRAMS	300,000	300,000	---
87	BALLISTIC MISSILE DEFENSE TEST	365,681	489,348	+123,667
88	BALLISTIC MISSILE DEFENSE TARGETS	517,852	491,352	-26,500
89	HUMANITARIAN DEMINING	11,347	11,347	---
90	COALITION WARFARE	8,528	8,528	---
91	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,477	3,477	---
92	TECHNOLOGY MATURATION INITIATIVES	148,822	153,822	+5,000
93	MISSILE DEFEAT PROJECT	58,607	58,607	---
94	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING	12,993	---	-12,993
95	HYPERSONIC DEFENSE	120,444	120,444	---
96	ADVANCED INNOVATIVE TECHNOLOGIES	1,431,702	1,150,102	-281,600
97	TRUSTED AND ASSURED MICROELECTRONICS	233,142	233,142	---
98	RAPID PROTOTYPING PROGRAM	99,333	99,333	---
99	DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT	3,781	3,781	---
100	PACIFIC DISCRIMINATING RADAR	95,765	38,544	-57,221
100A	HOMELAND DEFENSE RADAR-HAWAII	---	62,221	+62,221
101	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,768	3,768	---
103	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY	22,435	22,435	---
104	LONG RANGE DISCRIMINATION RADAR	164,562	164,562	---
105	IMPROVED HOMELAND DEFENSE INTERCEPTORS	561,220	421,820	-139,400
106	BMD TERMINAL DEFENSE SEGMENT TEST	61,017	61,017	---
107	AEGIS BMD TEST	95,756	95,756	---
108	BALLISTIC MISSILE DEFENSE SENSOR TEST	81,001	81,001	---
109	LAND-BASED SM-3 (LBSM3)	27,692	27,692	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
111	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT TEST	81,934	72,634	-9,300
112	MULTI-OBJECT KILL VEHICLE	8,256	6,870	-1,386
113	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS	2,600	2,600	---
114	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,104	3,104	---
115	CYBER SECURITY INITIATIVE	985	985	---
116	SPACE TRACKING AND SURVEILLANCE SYSTEM	36,955	36,955	---
117	BALLISTIC MISSILE DEFENSE SYSEM SPACE PROGRAMS	16,484	21,484	+5,000
	TOTAL, DEMONSTRATION & VALIDATION	8,709,725	8,706,349	-3,376
	ENGINEERING & MANUFACTURING DEVELOPMENT			
118	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	8,333	8,333	---
119	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	263,414	273,414	+10,000
120	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	388,701	402,701	+14,000
121	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	19,503	24,503	+5,000
122	WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES	6,163	6,163	---
123	INFORMATION TECHNOLOGY DEVELOPMENT	11,988	11,988	---
124	HOMELAND PERSONNEL SECURITY INITIATIVE	296	296	---
125	DEFENSE EXPORTABILITY PROGRAM	1,489	1,489	---
126	OUSD(C) IT DEVELOPMENT INITIATIVES	9,590	9,590	---
127	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION	3,173	3,173	---
128	DCMO POLICY AND INTEGRATION	2,105	2,105	---
129	DEFENSE AGENCY INITIATIVES FINANCIAL SYSTEM	21,156	21,156	---
130	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)	10,731	10,731	---
132	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES	6,374	6,374	---
133	TRUSTED & ASSURED MICROELECTRONICS	56,178	56,178	---
134	GLOBAL COMBAT SUPPORT SYSTEM	2,512	2,512	---
135	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)	2,435	2,435	---
136	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION	17,048	17,048	---
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	831,189	860,189	+29,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	RDT&E MANAGEMENT SUPPORT			
137	DEFENSE READINESS REPORTING SYSTEM (DRRS)	6,661	6,661	---
138	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	4,088	4,088	---
139	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT	258,796	261,796	+3,000
140	ASSESSMENTS AND EVALUATIONS	31,356	31,356	---
141	MISSION SUPPORT	65,646	65,646	---
142	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	84,184	88,184	+4,000
143	TECHNICAL STUDIES, SUPPORT AND ANALYSIS	22,576	22,576	---
144	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION	52,565	52,565	---
145	CLASSIFIED PROGRAM USD(P)	---	103,000	+103,000
146	SYSTEMS ENGINEERING	38,872	38,872	---
147	STUDIES AND ANALYSIS SUPPORT	3,534	3,534	---
148	NUCLEAR MATTERS - PHYSICAL SECURITY	5,050	5,050	---
149	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	11,450	11,450	---
150	GENERAL SUPPORT TO USD (INTELLIGENCE)	1,693	1,693	---
151	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	102,883	102,883	---
159	SMALL BUSINESS INNOVATION RESEARCH/TECHNOLOGY TRANSFER	2,545	2,545	---
160	DEFENSE TECHNOLOGY ANALYSIS	24,487	24,487	---
161	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	56,853	56,853	---
162	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	24,914	24,914	---
163	DEVELOPMENT TEST AND EVALUATION	20,179	20,179	---
164	MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT)	13,643	13,643	---
165	MANAGEMENT HEADQUARTERS DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	4,124	4,124	---
166	BUDGET AND PROGRAM ASSESSMENTS	5,768	5,768	---
167	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	1,030	1,030	---
168	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT	1,000	1,000	---
169	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	3,400	3,400	---
170	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	4,000	4,000	---
171	DEFENSE OPERATIONS SECURITY (OPSEC)	3,008	3,008	---
172	JOINT STAFF ANALYTICAL SUPPORT	6,658	16,658	+10,000
175	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	652	652	---
176	DEFENSE MILITARY DECEPTION PROGRAM OFFICE	1,005	1,005	---
177	COMBINED ADVANCED APPLICATIONS	21,363	21,363	---
180	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS	109,529	189,529	+80,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
181	CWMD SYSTEMS: RDT&E MANAGEMENT SUPPORT	1,244	1,244	---
184	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION	42,940	42,940	---
185	MANAGEMENT HEADQUARTERS - MDA	28,626	28,626	---
187	JOINT SERVICE PROVIDER (JSP)	5,104	5,104	---
9999	CLASSIFIED PROGRAMS	45,604	45,604	---
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,117,030	1,317,030	+200,000
	OPERATIONAL SYSTEMS DEVELOPMENT			
189	ENTERPRISE SECURITY SYSTEM (ESS)	9,750	9,750	---
190	REGIONAL INTERNATIONAL OUTREACH & PARTNERSHIP FOR PEAC	1,855	1,855	---
191	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SY	304	304	---
192	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	10,376	10,376	---
193	OPERATIONAL SYSTEMS DEVELOPMENT	5,915	5,915	---
194	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT	5,869	5,869	---
195	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D	48,741	48,741	---
196	PLANNING AND DECISION AID SYSTEM	3,037	3,037	---
197	C4I INTEROPERABILITY	62,814	62,814	---
203	DEFENSE INFO INFRASTRUCTURE ENGINEERING & INTEGRATION	16,561	16,561	---
204	LONG HAUL COMMUNICATIONS (DCS)	14,769	14,769	---
205	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	17,579	17,579	---
207	KEY MANAGEMENT INFRASTRUCTURE (KMI)	31,737	31,737	---
208	INFORMATION SYSTEMS SECURITY PROGRAM	7,940	7,940	---
209	INFORMATION SYSTEMS SECURITY PROGRAM	229,252	234,252	+5,000
210	INFORMATION SYSTEMS SECURITY PROGRAM	19,611	19,611	---
211	GLOBAL COMMAND AND CONTROL SYSTEM	46,900	46,900	---
212	JOINT SPECTRUM CENTER (DEFENSE SPECTRUM ORGANIZATION)	7,570	7,570	---
213	JOINT INFORMATION ENVIRONMENT (JIE)	7,947	7,947	---
215	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY	39,400	39,400	---
224	POLICY R&D PROGRAMS	6,262	6,262	---
225	NET CENTRICITY	16,780	16,780	---
227	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	6,286	6,286	---
230	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	2,970	2,970	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
233	INSIDER THREAT	5,954	5,954	---
234	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	2,198	2,198	---
240	INTELLIGENCE MISSION DATA (IMD)	6,889	6,889	---
242	LOGISTICS SUPPORT ACTIVITIES	1,317	1,317	---
243	PACIFIC DISASTER CENTERS	1,770	1,770	---
244	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	1,805	1,805	---
246	MQ-9 UAV	18,403	18,403	---
248	SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEV	184,993	169,993	-15,000
249	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT	10,625	10,625	---
250	SOF OPERATIONAL ENHANCEMENTS	102,307	85,307	-17,000
251	WARRIOR SYSTEMS	46,942	55,942	+9,000
252	SPECIAL PROGRAMS	2,479	2,479	---
253	UNMANNED ISR	27,270	27,270	---
254	SOF TACTICAL VEHICLES	1,121	1,121	---
255	SOF MARITIME SYSTEMS	42,471	42,471	---
256	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES	4,780	4,780	---
257	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE	12,176	12,176	---
258	SOF TELEPORT PROGRAM	2,323	2,323	---
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,096,048	1,078,048	-18,000
999	CLASSIFIED PROGRAMS	3,877,898	3,890,398	+12,500
	DARPA UNDISTRIBUTED REDUCTION	---	-50,000	-50,000
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVAL, DEF-WIDE	22,016,553	22,291,423	+274,870

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1		Budget Request	Committee Recommended	Change from Request
3	BASIC RESEARCH INITIATIVES	42,702	44,702	2,000
	Program increase - Minerva research initiative		2,000	
6	HISTORICALLY BLACK COLLEGES & UNIVERSITIES (HBCU) AND MINORITY-SERVING INSTITUTIONS	30,412	40,412	10,000
	Program increase		10,000	
20	WEAPONS OF MASS DESTRUCTION DEFEAT	161,151	157,151	-4,000
	JIDO program decrease		-4,000	
24	COMBATING TERRORISM TECHNOLOGY SUPPORT	125,271	178,771	53,500
	Program increase - Israeli tunneling		47,500	
	Program increase		3,000	
	Program increase		3,000	
25	FOREIGN COMPARATIVE TESTING	24,532	26,532	2,000
	Program increase		2,000	
27	COUNTERPROLIFERATION INITIATIVES - PROLIFERATION PREVENTION & DEFEAT	299,858	280,858	-19,000
	Program increase - target sensing technologies		10,000	
	JIDO program decrease		-29,000	
39	COMMON KILL VEHICLE TECHNOLOGY	189,753	59,363	-130,390
	Unjustified growth		-130,390	
40	DEFENSE INNOVATION UNIT EXPERIMENTAL (DIUx)	29,364	15,000	-14,364
	Program decrease		-14,364	
41	TECHNOLOGY INNOVATION	83,143	33,143	-50,000
	Program decrease		-50,000	
59A	DEFENSE RAPID INNOVATION FUND	0	250,000	250,000
	Program increase		250,000	
63	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	69,533	74,533	5,000
	Program increase		5,000	
72	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	214,173	388,273	174,100
	THAAD software delays		-10,000	
	Program increase – USFK JEON unfunded requirement		184,100	
73	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	926,359	844,359	-82,000
	Additional boosters - requirement funded in fiscal year 2018		-52,000	
	Acceleration of Fort Greely silos – requirement funded in fiscal year 2018		-65,000	
	Program increase – improved discrimination capabilities		25,000	
	Program increase – cybersecurity enhancements		10,000	

R-1		Budget Request	Committee Recommended	Change from Request
75	**BALLISTIC MISSILE DEFENSE SENSORS**	**220,876**	**385,375**	**164,499**
	Program operations unjustified request		-8,801	
	Homeland defense radar – Pacific study – transfer to line 100		-5,000	
	Program increase – USFK JEON unfunded requirement		24,000	
	Program increase – improved discrimination capabilities		93,000	
	Program increase – cybersecurity enhancements		5,000	
	Program increase – systems engineering enhancements		16,300	
	Program increase – AN/TPY-2 radar improvements		40,000	
76	**BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS**	**540,926**	**624,426**	**83,500**
	MC30 efforts previously funded		-4,200	
	MD31 excess growth		-6,600	
	Program increase – improved discrimination capabilities		4,000	
	Program increase – cybersecurity enhancements		40,000	
	Program increase – systems engineering enhancements		34,100	
	Program increase - cyber assessments		16,200	
78	**AEGIS BMD**	**767,539**	**726,076**	**-41,463**
	Weapon system capability insertion early to need		-30,463	
	Aegis BMD SM-3 development unjustified growth		-15,000	
	Program increase – improved discrimination capabilities		4,000	
81	**BALLISTIC MISSILE DEFENSE C2BMC**	**475,168**	**518,668**	**43,500**
	Program increase – mobile sensor integration		33,500	
	Program increase – cybersecurity enhancements		10,000	
85	**SEA BASED X-BAND RADAR (SBX)**	**149,715**	**136,715**	**-13,000**
	Software upgrade – requirement funded in fiscal year 2018		-13,000	
87	**BMD TESTS**	**365,681**	**489,348**	**123,667**
	Program increase – USFK JEON unfunded requirement		71,400	
	Program increase – cybersecurity enhancements		20,000	
	Program increase – HALO replacement		32,267	
88	**BMD TARGETS**	**517,852**	**491,352**	**-26,500**
	Acceleration of boosters – requirement funded in fiscal year 2018		-36,000	
	Program increase – USFK JEON unfunded requirement		4,500	
	Program increase – cybersecurity enhancements		5,000	
92	**TECHNOLOGY MATURATION INITIATIVES**	**148,822**	**153,822**	**5,000**
	Program increase – cybersecurity enhancements		5,000	
94	**COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING**	**12,993**	**0**	**-12,993**
	JIDO program decrease		-12,993	
96	**ADVANCED INNOVATIVE TECHNOLOGIES**	**1,431,702**	**1,150,102**	**-281,600**
	Excess growth		-281,600	

R-1	Budget Request	Committee Recommended	Change from Request
100 PACIFIC DISCRIMINATING RADAR	95,765	38,544	-57,221
Homeland defense radar – Pacific study – transfer from line 75		5,000	
Homeland defense radar – Hawaii – transfer to line 100A		-62,221	
100A HOMELAND DEFENSE RADAR - HAWAII	0	62,221	62,221
Homeland Defense Radar - Hawaii transfer from line 100		62,221	
105 IMPROVED HOMELAND DEFENSE INTERCEPTORS	561,220	421,820	-139,400
Acceleration of boosters – requirement funded in fiscal year 2018		-139,400	
111 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT TEST	81,934	72,634	-9,300
Acceleration of boosters – requirement funded in fiscal year 2018		-9,300	
112 MULTI-OBJECT KILL VEHICLE	8,256	6,870	-1,386
Unjustifed growth		-1,386	
117 BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	16,484	21,484	5,000
Program increase – cybersecurity enhancements		5,000	
119 PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT	263,414	273,414	10,000
Program increase - quiet hypersonics research		10,000	
120 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	388,701	402,701	14,000
Program increase - filtration systems		2,000	
Program increase - antiviral prophylaxis studies		12,000	
121 JOINT TACTICAL INFORMATION DISTRIBUTION	19,503	24,503	5,000
Program increase - antenna technology		5,000	
139 CENTRAL TEST & EVAL INVESTMENT DEVELOPMENT	258,796	261,796	3,000
Program increase		3,000	
142 JOINT MISSION ENVIRONMENT TEST CAPABILITY	84,184	88,184	4,000
Program increase - cyber training nodes		4,000	
145 CLASSIFIED PROGRAM USD(P)	0	103,000	103,000
Classified adjustment		103,000	
172 JOINT STAFF ANALYTICAL SUPPORT	6,658	16,658	10,000
Program increase - enhanced wargaming capability		10,000	
180 INTELLIGENCE CAPABILITIES AND INNOVATION	109,529	189,529	80,000
Program increase - Project Maven		80,000	
209 INFORMATION SYSTEMS SECURITY PROGRAM	229,252	234,252	5,000
Program increase - Sharkseer		5,000	
248 SPECIAL OPERATIONS AVIATION SYSTEMS	184,993	169,993	-15,000
PSP high energy laser program decrease		-15,000	

R-1	Budget Request	Committee Recommended	Change from Request
250 SOF OPERATIONAL ENHANCEMENTS	102,307	85,307	-17,000
Classified adjustment		-17,000	
251 WARRIOR SYSTEMS	46,942	55,942	9,000
Program increase - small glide munition		3,000	
Program increase - distributable audio media and next generation loudspeaker		6,000	
999 CLASSIFIED PROGRAMS	3,877,898	3,890,398	12,500
Classified adjustment		12,500	
DARPA UNDISTRIBUTED REDUCTION		-50,000	-50,000
Undistributed reduction		-50,000	

DEFENSE RAPID INNOVATION FUND

The Committee recommendation includes $250,000,000 for the Defense Rapid Innovation Fund. The Committee strongly encourages the Secretary of Defense to focus this program on the validation and transition of promising technologies developed by small businesses from the research and development stage through the prototype stage.

REACTIVE MATERIAL STRUCTURES

The Committee is aware of advances in reactive material structures technology that show promise for enhancing explosive capacity beyond existing capabilities. The Committee encourages the Under Secretary of Defense (Research and Engineering) to pursue efforts to test and evaluate these technologies in support of increasing munitions lethality.

RECLAIMED REFRIGERANTS

Reclaiming refrigerants aids in the prevention of creating new refrigerants and ensures the safe disposal of chemicals. Considering the large number of Department of Defense facilities and the widespread use of refrigerants, the Committee directs the Under Secretary of Defense (Acquisition and Sustainment) to submit a report to the congressional defense committees not later than 120 days after the enactment of this Act that examines the feasibility of giving preference to the use of reclaimed refrigerants to service existing equipment in Department of Defense facilities.

TRUSTED FOUNDRY

The Committee recognizes the importance of obtaining microelectronics from trusted suppliers. The Committee urges the Secretary of Defense to facilitate and encourage competition in the fabrication of microelectronic devices when two or more participants in the Trusted Foundry Program can provide such devices and to expand opportunities for participation in the Trusted Foundry program. Participants in the Trusted Foundry Program should have the opportunity to compete under full, open, and merit-based bidding, to the extent practicable, for all Trusted Foundry contracts.

DIGITAL MANUFACTURING

The Committee recognizes the importance of digital manufacturing and design in enabling new capabilities and reducing system development costs and timelines. The Committee supports the Department of Defense's efforts in strengthening the United States manufacturing industrial base through investments, including the Digital Manufacturing and Design Innovation Institute. The Department's close collaboration with industry and academia accelerates the research and development of new digital manufacturing capabilities which directly benefit both the defense industrial base and the Department.

ADVANCED FUNCTION FABRICS

The Committee notes the importance of developing advanced function fabrics that are more lightweight and enhance situational awareness on the battlefield. The Committee encourages the Assistant Secretary of Defense (Research and Engineering) to support the development of an end-to-end fabric product design that will provide benefits to the warfighter.

COOPERATIVE RESEARCH

The Committee is pleased with efforts by the Service Secretaries to increase communication and cooperation among the military services on science and technology investments. Coordination of the respective research agendas and investment plans will help reduce duplication, better leverage investments in areas of mutual interest, and reduce gaps in promising areas of technology. The Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 120 days after the enactment of this Act which identifies the strategy and goals for each specific area of ongoing cooperative research, a five-year plan of prospective areas of cooperative research, and an estimate of amounts and sources of funding to carry out such research.

UNMANNED AIRCRAFT SYSTEMS

The Committee encourages the Secretary of Defense to coordinate with the Federal Aviation Administrator on the use of its designated Unmanned Aircraft System (UAS) test sites for the development and demonstration of common UAS standards, architecture, and technologies to ensure a consistent, nationwide approach to airspace integration across all airspace users.

OPERATIONAL TEST AND EVALUATION, DEFENSE

Fiscal year 2018 appropriation	$210,900,000
Fiscal year 2019 budget request	221,009,000
Committee recommendation	221,009,000
Change from budget request	– – –

The Committee recommends an appropriation of $221,009,000 for Operational Test and Evaluation, Defense which will provide the following program in fiscal year 2019:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
OPERATIONAL TEST AND EVALUATION	85,685	85,685	– – –
LIVE FIRE TESTING	64,332	64,332	– – –
OPERATIONAL TEST ACTIVITIES AND ANALYSIS	70,992	70,992	– – –
TOTAL, OPERATIONAL TEST & EVALUATION, DEFENSE	221,009	221,009	– – –

TITLE V

REVOLVING AND MANAGEMENT FUNDS

DEFENSE WORKING CAPITAL FUNDS

Fiscal year 2018 appropriation	$1,685,596,000
Fiscal year 2019 budget request	1,542,115,000
Committee recommendation	1,542,115,000
Change from budget request	– – –

The Committee recommends an appropriation of $1,542,115,000 for the Defense Working Capital Funds accounts which will provide the following program in fiscal year 2019:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
WORKING CAPITAL FUND, ARMY	158,765	158,765	– – –
WORKING CAPITAL FUND, AIR FORCE	69,054	69,054	– – –
WORKING CAPITAL FUND, DEFENSE-WIDE	48,096	48,096	– – –
DEFENSE WORKING CAPITAL FUND, DECA	1,266,200	1,266,200	– – –
TOTAL, DEFENSE WORKING CAPITAL FUNDS	1,542,115	1,542,115	– – –

TITLE VI

OTHER DEPARTMENT OF DEFENSE PROGRAMS

DEFENSE HEALTH PROGRAM

Fiscal year 2018 appropriation	$34,428,167,000
Fiscal year 2019 budget request	33,729,192,000
Committee recommendation	34,047,018,000
Change from budget request	+317,826,000

The Committee recommends an appropriation of $34,047,018,000 for the Defense Health Program which will provide the following program in fiscal year 2019:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	DEFENSE HEALTH PROGRAM			
	OPERATION AND MAINTENANCE			
10	IN-HOUSE CARE	9,738,569	9,698,569	-40,000
20	PRIVATE SECTOR CARE	15,103,735	14,934,735	-169,000
30	CONSOLIDATED HEALTH SUPPORT	2,107,961	2,079,586	-28,375
40	INFORMATION MANAGEMENT	2,039,878	2,039,878	---
50	MANAGEMENT ACTIVITIES	307,629	307,629	---
60	EDUCATION AND TRAINING	756,778	754,778	-2,000
70	BASE OPERATIONS/COMMUNICATIONS	2,090,845	2,540,845	+450,000
30	UNDISTRIBUTED ADJUSTMENT	---	-597,073	-597,073
	SUBTOTAL, OPERATION AND MAINTENANCE	32,145,395	31,758,947	-386,448
	PROCUREMENT			
150	INITIAL OUTFITTING	33,056	33,056	---
160	REPLACEMENT AND MODERNIZATION	343,424	343,424	---
180	DOD HEALTH MANAGEMENT SYSTEM MODERNIZATION	496,680	496,680	---
30	UNDISTRIBUTED ADJUSTMENT	---	-28,326	-28,326
	SUBTOTAL, PROCUREMENT	873,160	844,834	-28,326
	RESEARCH DEVELOPMENT TEST AND EVALUATION			
80	RESEARCH	11,386	11,386	---
90	EXPLORATORY DEVELOPMENT	75,010	75,010	---
100	ADVANCED DEVELOPMENT	275,258	275,258	---
110	DEMONSTRATION/VALIDATION	117,529	117,529	---
120	ENGINEERING DEVELOPMENT	151,985	131,985	-20,000
130	MANAGEMENT AND SUPPORT	63,755	63,755	---
140	CAPABILITIES ENHANCEMENT	15,714	15,714	---
150	UNDISTRIBUTED MEDICAL RESEARCH	---	752,600	+752,600
	SUBTOTAL, RESEARCH DEVELOPMENT TEST AND EVALUATION	710,637	1,443,237	+732,600
	TOTAL, DEFENSE HEALTH PROGRAM	33,729,192	34,047,018	+317,826

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE			
IN-HOUSE CARE	9,738,569	9,698,569	-40,000
Other costs excess growth		-16,000	
Pharmaceuticals excess growth		-24,000	
PRIVATE SECTOR CARE	15,103,735	14,934,735	-169,000
Historical underexecution		-169,000	
CONSOLIDATED HEALTH SUPPORT	2,107,961	2,079,586	-28,375
Program increase - therapeutic service dog training program		10,000	
Historical underexecution		-38,375	
INFORMATION MANAGEMENT	2,039,878	2,039,878	
MANAGEMENT ACTIVITIES	307,629	307,629	
EDUCATION AND TRAINING	756,778	754,778	-2,000
Supplies and materials unjustified growth		-2,000	
BASE OPERATIONS AND COMMUNICATIONS	2,090,845	2,540,845	450,000
Program increase - Army FSRM		150,000	
Program increase - Navy FSRM		150,000	
Program increase - Air Force FSRM		150,000	
UNDISTRIBUTED ADJUSTMENT		-597,073	-597,073
Fiscal year 2018 decrease not properly accounted		-597,073	
TOTAL, OPERATION AND MAINTENANCE	32,145,395	31,758,947	-386,448
PROCUREMENT			
UNDISTRIBUTED ADJUSTMENT		-28,326	-28,326
Fiscal year 2018 decrease not properly accounted		-28,326	
TOTAL, PROCUREMENT	873,160	844,834	-28,326
RESEARCH AND DEVELOPMENT			
Fiscal year 2018 decrease not properly accounted		-20,000	
Peer-reviewed alcohol and substance abuse disorders research		4,000	
Peer-reviewed ALS research		10,000	
Peer-reviewed alzheimer research		15,000	
Peer-reviewed autism research		7,500	
Peer-reviewed bone marrow failure disease research		3,000	
Peer-reviewed breast cancer research		130,000	
Peer-reviewed cancer research		80,000	
Peer-reviewed Duchenne muscular dystrophy research		3,200	
Peer-reviewed gulf war illness research		21,000	
Peer-reviewed hearing restoration research		10,000	
Peer-reviewed kidney cancer research		20,000	
Peer-reviewed lung cancer research		14,000	

	Budget Request	Committee Recommended	Change from Request
Peer-reviewed lupus research		5,000	
Peer-reviewed multiple sclerosis research		6,000	
Peer-reviewed orthopedic research		30,000	
Peer-reviewed ovarian cancer research		20,000	
Peer-reviewed prostate cancer research		100,000	
Peer-reviewed spinal cord research		30,000	
Peer-reviewed reconstructive transplant research		12,000	
Peer-reviewed tickborne disease research		5,000	
Peer-reviewed traumatic brain injury and psychological health research		125,000	
Peer-reviewed tuberous sclerosis complex research		6,000	
Peer-reviewed vision research		20,000	
Global HIV/AIDS prevention		8,000	
HIV/AIDS program increase		12,900	
Joint warfighter medical research		45,000	
Trauma clinical research program		10,000	
TOTAL, RESEARCH AND DEVELOPMENT	**710,637**	**1,443,237**	**732,600**

REPROGRAMMING GUIDANCE FOR THE DEFENSE HEALTH PROGRAM

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 as limiting the amount of funds that may be transferred to the In-House Care budget sub-activity from other budget sub-activities within the Defense Health Program. In addition, funding for the In-House Care budget sub-activity continues to be designated 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 requires 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. Furthermore, the Committee directs the Secretary of Defense to provide a report to the congressional defense committees not later than 30 days after the enactment of this Act that delineates transfers of funds, and the dates any transfers occurred, from the Private Sector Care budget sub-activity to any other budget sub-activity.

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 2019, 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 2018 designated carryover funds to the congressional defense committees not less than 30 days prior to executing the carryover funds.

PEER-REVIEWED CANCER RESEARCH PROGRAMS

The Committee recommends $130,000,000 for the peer-reviewed breast cancer research program, $100,000,000 for the peer-reviewed prostate cancer research program, $20,000,000 for the peer-reviewed ovarian cancer research program, $20,000,000 for the peer-reviewed kidney cancer research program, $14,000,000 for the peer-reviewed lung cancer research program, and $80,000,000 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: bladder cancer, brain cancer, colorectal cancer, listeria vac-

cine for cancer, liver cancer, lymphoma, melanoma and other skin cancers, mesothelioma, pancreatic cancer, stomach cancer, and cancer in children, adolescents, and young adults.

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 and their families.

The Committee commends the Department of Defense 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 Assistant Secretary of Defense (Health Affairs) to continue to emphasize the importance of these collaborations between military and non-military researchers throughout the peer review process.

METASTATIC CANCER RESEARCH

The Committee appreciates the report provided by the Department of Defense that contained recommendations on research for metastatic cancer. The Committee directs the Assistant Secretary of Defense (Health Affairs) to submit a report to the congressional defense committees not later than 60 days after the enactment of this Act on the status of the implementation of the recommendations contained in the report.

ELECTRONIC HEALTH RECORDS

The Committee continues to support the efforts that the Department of Defense and the Department of Veterans Affairs are undertaking with regard to electronic health records and the health record system. The Committee's ongoing expectation is that the Departments' electronic health record systems must be completely and meaningfully interoperable with seamless compatibility. While the Committee acknowledges the significant undertaking of the effort, the Committee is concerned with aspects of the initial fielding of the electronic health record, Military Health System (MHS) Genesis. The Committee notes that a recent partial Initial Operational Test and Evaluation (IOT&E) report described the fielding of MHS Genesis as "neither operationally effective nor operationally suitable" at this time. For this reason, the Committee directs the Comptroller General to perform a review of the implementation of MHS Genesis at the four currently active sites: Fairchild Air Force Base, Naval Health Clinic Oak Harbor, Naval Hospital Bremerton, and Madigan Army Medical Center. The report should include, but

not be limited to, how MHS Genesis is addressing the concerns raised by the partial IOT&E report; the performance of MHS Genesis in meeting the demands of each of the medical facilities; underlying issues with implementation; anticipated delays in implementation; and impact on the execution of funds. As new military treatment facilities are expected to start implementing MHS Genesis in January 2019, the report should be submitted to the House and Senate Appropriations Committees not later than 180 days after the enactment of this Act.

The Committee further directs the Comptroller General to perform quarterly performance reviews of the Department of Defense's electronic health record deployment so that the Committee can further monitor implementation of the system and if it is meeting predicted cost assumptions.

The Committee also directs the Director of the Interagency Program Office (IPO) to continue to provide quarterly reports on the progress of interoperability between the two Departments to the House and Senate Defense Appropriations Subcommittees and the House and Senate Military Construction, Veterans Affairs, and Related Agencies Appropriations Subcommittees. The Program Executive Officer (PEO) for Defense Healthcare Management Systems (DHMS), in conjunction with the Director of the 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. The Committee directs the PEO DHMS to continue briefing the House and Senate Defense Appropriations Subcommittees on a quarterly basis, coinciding with the report submission.

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 encourages the Assistant Secretary of Defense (Health Affairs) to ensure that military orthopedic health professionals are provided with opportunities for advanced surgical training in arthroscopic techniques and to explore partnerships with medical professional societies that maintain best practices related to arthroscopic surgery and techniques.

TRAUMATIC BRAIN INJURY

The Committee recognizes recent efforts by the Department of Defense to leverage partnerships with academia and the private sector to understand and improve prevention and treatment of traumatic brain injuries to servicemembers. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to continue to leverage partnerships with academia and the private sector to support further studies of traumatic brain injuries to gain a deeper understanding of concussive injuries including how they im-

pact the brain, how and to what extent the brain recovers, and how prevention and treatment methods may be improved.

OPIOID ABUSE AND NON-OPIATE PAIN MANAGEMENT

The Committee remains concerned by opioid abuse among servicemembers, and the significant cost of opioid-based pain medication to the Department of Defense. The Committee believes that alternative forms of pain management have promise in treating pain while reducing rates of addiction for servicemembers, and that such alternatives may also be more cost effective for the Department. The Committee is encouraged by the strong commitment of the Department of Defense and the Department of Veterans Affairs in researching improved pain management protocols, and encourages the Assistant Secretary of Defense (Health Affairs) to expand the Department's research into the efficacy of opioid alternatives. The Committee also encourages the Assistant Secretary of Defense (Health Affairs) to ensure its prescribers are familiar with the guidelines published by the Centers for Disease Control, and to prioritize abuse-deterrent formulations of prescription opioids through TRICARE formularies. Further, the Committee directs the Assistant Secretary of Defense (Health Affairs) to conduct a review of the Department's policies on pain management and provide a report not later than 90 days after the enactment of this Act to the congressional defense committees on current policies on prescribing opioid-based pain medication; how the Department is documenting instances of opioid abuse in the military; current initiatives into alternative pain management treatment; and the status of the Department's progress in implementing the recommendations made by the 2015 National Advisory Council on Complementary and Integrative Health Working Group Report.

COLLABORATION WITH MINORITY SERVING HEALTH INSTITUTIONS

The Committee encourages the Assistant Secretary of Defense (Health Affairs) to work collaboratively in the health research field with Historically Black Colleges and Universities, Hispanic Serving Institutions, and other Minority Serving Institutions. The Committee directs the Assistant Secretary of Defense (Health Affairs) to provide a report to the House and Senate Appropriations Committees not later than 90 days after the enactment of this Act on the Department's efforts to collaborate with these institutions in the health research field.

MENTAL HEALTH PROVIDERS

The Committee supports the Department's continuing efforts to ensure that servicemembers have access to high quality mental health services and providers. In order to ensure that the Department continues to have full access to qualified clinical psychologists, the Committee encourages the Assistant Secretary of Defense (Health Affairs) to review its regulations regarding employment of clinical psychologists who graduate from schools accredited by the Psychologist Clinical Science Accreditation System.

IMPACT OF GUT MICROBIOME ON CHRONIC CONDITIONS

The Committee is concerned by the escalating cost of managing chronic diseases such as hypertension, diabetes, and kidney disease in active and retired military personnel. The Committee believes that the role of the microorganisms of the gut need to be more fully researched and strategies to control these chronic conditions must be developed. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to perform research aimed at better understanding the role of the gut microbiome in chronic disease with an aim at developing drug and nutritional regimens to enhance the well-being of active and retired military servicemembers and dependents.

RARE CANCERS

The National Cancer Institute (NCI) defines rare cancers as cancers that occur in fewer than 15 out of 100,000 people per year. Over 500 rare cancers have been identified by the NCI. Military personnel are uniquely exposed to carcinogens that may increase the risk of certain cancers. The Committee is concerned about the need for a better understanding of rare cancers that may impact servicemembers, and therefore encourages the Assistant Secretary of Defense (Health Affairs) to collect data on the prevalence of rare cancers among servicemembers, and consider ways that the Department can improve the understanding of how rare cancers impact servicemembers.

MATERNAL AND CHILD HEALTH

The Committee expects that new mothers utilizing military healthcare are receiving care and support during and after their pregnancies. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to ensure that maternal mental health services, mental health support services, and screening procedures used to identify postpartum depression are available to women at Department of Defense medical facilities.

JOINT WARFIGHTER MEDICAL RESEARCH PROGRAM

The Committee recommends $45,000,000 for the Joint Warfighter Medical Research Program. The Committee appreciates the program's focus on the medical needs of the warfighter on the battlefield, and believes priority should be given for research to address the "golden hour" for servicemembers with life threatening injuries, battlefield diagnostics, and medical threats and treatments for warfighters deployed around the world.

The "golden hour" policy, which commits to getting wounded servicemembers lifesaving care within the first hour after an injury occurs, was initially put in place to address battlefield casualties. With reports that the Department may not be able to commit to the "golden hour" for servicemembers in future conflicts, the Committee expects the Assistant Secretary of Defense (Health Affairs) to identify current gaps in medical planning and resources, and consider medical capabilities that may mitigate fatalities, including enhancing hemorrhage control research and development. In particular, the Committee encourages research and development of

freeze-dried plasma and platelets, in addition to rapidly deployable, all-in-one acute and chronic wound care therapy engineered to address complex trauma and start tissue regeneration.

For injuries suffered on the battlefield, the Committee believes that the Department of Defense should make enhancing battlefield diagnostics a priority. The Committee is encouraged by recent technological advances related to traumatic brain injury, including magnetic resonance technology. The Committee is pleased by the development of portable neurological devices in support of mild traumatic brain injury assessment for servicemembers in the field and supports the continued review of benefits that could be gained from deployment of this diagnostic tool. The Committee also notes that advances in exposure science, including environmental and wearable sensors technology and chemical surveillance, partnered with advanced computing, allow for optimized exposure surveillance and health monitoring through rapid and comprehensive measurement of biosignatures, and believes these efforts should be explored. Additionally, the Committee sees advantages to advancing genomics work to identify and counter evolving chemical and biologic threats, and developing medical countermeasures to chemical or biological weapons of mass destruction.

Further, the Committee believes that additional research of battlefield treatment is necessary and encourages the Assistant Secretary of Defense (Health Affairs) to explore solutions for life threatening battlefield complications such as sepsis. The Committee also encourages the use of telemedicine and other technologies that would allow for better collection, integration, and transfer of patient data from battlefield medical units through transport and treatment. In preparation for environments military personnel may face while serving, the Committee encourages the Assistant Secretary of Defense (Health Affairs) to establish protocols providing for the training, transport, and treatment for servicemembers exposed to highly infectious diseases. The Committee also encourages the Assistant Secretary of Defense (Health Affairs) to continue offering competitive grants to applicants from academia, industry, and federal government agencies to expand the chemical control toolbox, and to develop and validate vector management strategies needed to protect deployed military personnel.

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 fostered the 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 Committee commends the Assistant Secretary of Defense

(Health Affairs) for assisting the Murtha Cancer Center in 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.

CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

Fiscal year 2018 appropriation	$961,732,000
Fiscal year 2019 budget request	993,816,000
Committee recommendation	993,816,000
Change from budget request	– – –

The Committee recommends an appropriation of $993,816,000 for Chemical Agents and Munitions Destruction, Defense which will provide the following program in fiscal year 2019:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE	105,997	105,997	– – –
PROCUREMENT	1,091	1,091	– – –
RESEARCH, DEVELOPMENT, TEST AND EVALUATION	886,728	886,728	– – –
TOTAL, CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE	993,816	993,816	– – –

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

Fiscal year 2018 appropriation	$934,814,000
Fiscal year 2019 budget request	787,525,000
Committee recommendation	854,814,000
Change from budget request	+67,289,000

The Committee recommends an appropriation of $854,814,000 for Drug Interdiction and Counter-Drug Activities, Defense which will provide the following program in fiscal year 2019:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
COUNTER–NARCOTICS SUPPORT	547,171	530,285	– 16,886
Transfer to National Guard counter-drug program		– 16,886	
DRUG DEMAND REDUCTION PROGRAM	117,900	121,900	4,000
Program increase—young Marines drug demand reduction		4,000	
NATIONAL GUARD COUNTER-DRUG PROGRAM	117,178	197,353	80,175
Transfer from counter-narcotics support		16,886	
Program increase		63,289	
NATIONAL GUARD COUNTER-DRUG SCHOOLS	5,276	5,276	– – –
TOTAL, DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE	787,525	854,814	67,289

OFFICE OF THE INSPECTOR GENERAL

Fiscal year 2018 appropriation	$321,887,000
Fiscal year 2019 budget request	329,273,000
Committee recommendation	329,273,000
Change from budget request	– – –

The Committee recommends an appropriation of $329,273,000 for the Office of the Inspector General which will provide the following program in fiscal year 2019:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE	327,611	327,611	– – –
RESEARCH, DEVELOPMENT, TEST AND EVALUATION	1,602	1,602	– – –
PROCUREMENT	60	60	– – –
TOTAL, OFFICE OF THE INSPECTOR GENERAL	329,273	329,273	– – –

TITLE VII

RELATED AGENCIES

NATIONAL AND MILITARY INTELLIGENCE PROGRAMS

The National Intelligence Program and the Military Intelligence Program budgets funded in the Department of Defense Appropriations Act consist primarily of resources for the Director of National Intelligence including the Intelligence Community Management staff, the Central Intelligence Agency (CIA), the Defense Intelligence Agency, the National Reconnaissance Office, the National Security Agency, the National Geospatial-Intelligence Agency, the intelligence services of the Departments of the Army, Navy, Air Force, and the CIA Retirement and Disability fund.

CLASSIFIED ANNEX

Adjustments to classified programs are addressed in a separate, detailed, and comprehensive classified annex. The Intelligence Community, the Department of Defense, and other organizations are expected to fully comply with the recommendations and directions in the classified annex accompanying the Department of Defense Appropriations Act, 2019.

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY SYSTEM FUND

Fiscal year 2018 appropriation	$514,000,000
Fiscal year 2019 budget request	514,000,000
Committee recommendation	514,000,000
Change from budget request	– – –

This appropriation provides payments of benefits to qualified beneficiaries in accordance with the Central Intelligence Agency Retirement Act of 1964 for Certain Employees (P.L. 88–643), as amended by Public Law 94–522. This statute authorized the establishment of the CIA Retirement and Disability System for certain employees and authorized the establishment and maintenance of a fund from which benefits would be paid to those beneficiaries.

The Committee recommends an appropriation of $514,000,000 for the Central Intelligence Agency Retirement and Disability System Fund. This is a mandatory account.

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

Fiscal year 2018 appropriation	$537,600,000
Fiscal year 2019 budget request	539,124,000
Committee recommendation	512,424,000
Change from budget request	–26,700,000

The Committee recommends an appropriation of $512,424,000 for the Intelligence Community Management Account.

CREDIBILITY ASSESSMENT

The Committee is concerned about the costs, complexity, and timeliness of the current security clearance process across the federal government. The National Center for Credibility Assessment (NCCA) has been exploring less expensive technologies and methods that may help target which individuals require a polygraph. These technologies require rigorous testing to evaluate their relative utility compared to the polygraph. Therefore, the Committee directs the Director of National Intelligence, acting as the federal government's Security Executive Agent, and the NCCA to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on the effectiveness of alternative technologies to the polygraph.

TITLE VIII

GENERAL PROVISIONS

Title VIII of the accompanying bill includes 130 general provisions. A brief description of each provision follows.

Section 8001 provides that no funds made available in this Act may be used for publicity or propaganda purposes not authorized by Congress.

Section 8002 provides for conditions and limitations on the payment of compensation to, or employment of, foreign nationals.

Section 8003 provides that no funds made available in this Act may be obligated beyond the end of the fiscal year unless expressly provided for a greater period of availability elsewhere in the Act.

Section 8004 has been amended and limits the obligation of certain funds provided in this Act during the last two months of the fiscal year.

Section 8005 provides for the general transfer authority of funds to other military functions.

Section 8006 provides that the tables titled "Explanation of Project Level Adjustments" in the Committee report and classified annex shall be carried out in the manner provided by the tables to the same extent as if the tables were included in the text of this Act.

Section 8007 has been amended and provides for the establishment of a baseline for application of reprogramming and transfer authorities for the current fiscal year.

Section 8008 provides for limitations on the use of transfer authority of working capital fund cash balances.

Section 8009 provides that none of the funds appropriated in this Act may be used to initiate a special access program without prior notification to the congressional defense committees.

Section 8010 has been amended and provides limitations and conditions on the use of funds made available in this Act to initiate multiyear procurement contracts.

Section 8011 provides for the use and obligation of funds for humanitarian and civic assistance costs.

Section 8012 has been amended and provides that civilian personnel of the Department of Defense may not be managed on the basis of end strength or be subject to end strength limitations.

Section 8013 prohibits funding from being used to influence congressional action on any matters pending before the Congress.

Section 8014 prohibits compensation from being paid to any member of the Army who is participating as a full-time student and who receives benefits from the Education Benefits Fund when time spent as a full-time student is counted toward that member's service commitment.

Section 8015 provides for the transfer of funds appropriated in title III of this Act for the Department of Defense Pilot Mentor-Protégé Program.

Section 8016 provides for the Department of Defense to purchase anchor and mooring chains manufactured only in the United States.

Section 8017 prohibits funds made available to the Department of Defense from being used to demilitarize or dispose of certain surplus firearms and small arms ammunition or ammunition components.

Section 8018 provides a limitation on funds being used for the relocation of any Department of Defense entity into or within the National Capital Region.

Section 8019 has been amended and provides for incentive payments authorized by section 504 of the Indian Financing Act of 1974 (25 U.S.C. 1544).

Section 8020 provides that no funding for the Defense Media Activity may be used for national or international political or psychological activities.

Section 8021 provides for the obligation of funds for purposes specified in section 2350j(c) of title 10, United States Code, in anticipation of receipt of contributions from the Government of Kuwait.

Section 8022 has been amended and provides funding for the Civil Air Patrol Corporation.

Section 8023 has been amended and prohibits funding from being used to establish new Department of Defense Federally Funded Research and Development Centers (FFRDC), with certain limitations and reduces funding provided for FFRDCs.

Section 8024 provides for the Department of Defense to procure carbon, alloy, or armor steel plate melted and rolled only in the United States and Canada.

Section 8025 defines the congressional defense committees as the Armed Services Committees of the House and Senate and the Subcommittees on Defense of the Committees on Appropriations of the House and Senate.

Section 8026 provides for competitions between private firms and Department of Defense depot maintenance activities.

Section 8027 has been amended and provides for the revocation of blanket waivers of the Buy American Act.

Section 8028 provides for the availability of funds contained in the Department of Defense Overseas Military Facility Investment Recovery Account.

Section 8029 provides for the conveyance, without consideration, of relocatable housing units that are excess to the needs of the Air Force.

Section 8030 provides authority to use operation and maintenance appropriations to purchase items having an investment item unit cost of not more than $250,000.

Section 8031 prohibits the use of funds to disestablish, close, downgrade from host to extension center, or place on probation a Senior Reserve Officers' Training Corps.

Section 8032 prohibits the sale of tobacco products in military resale outlets below the most competitive price in the local community.

Section 8033 has been amended and prohibits the use of Working Capital Funds to purchase specified investment items.

Section 8034 has been amended and provides that none of the funds appropriated for the Central Intelligence Agency shall remain available for obligation beyond the current fiscal year except for funds appropriated for the Reserve for Contingencies, the Working Capital Fund, or other programs as specified.

Section 8035 provides for the availability of funds for the mitigation of environmental impacts on Indian lands resulting from Department of Defense activities.

Section 8036 requires the Department of Defense to comply with the Buy American Act, chapter 83 of title 41, United States Code.

Section 8037 places certain limitations on the use of funds made available in this Act to establish field operating agencies.

Section 8038 places restrictions on converting to contractor performance an activity or function of the Department of Defense unless it meets certain guidelines provided.

Section 8039 has been amended and provides for the rescission of $492,954,000 from the following programs:

2017 Appropriations:	
Aircraft Procurement, Navy:	
F/A–18 E/F production support and ILS	$69,140,000
Aircraft Procurement, Air Force:	
KC–46	72,000,000
F–22 Increment 3.2b	2,000,000
VC–25A Mods	19,600,000
2018 Appropriations:	
Aircraft Procurement, Navy:	
E–2D Series	11,761,000
Weapons Procurement, Navy:	
Tomahawk	115,657,000
Aircraft Procurement, Air Force:	
HC/MC–130 modifications	88,400,000
F–16 modifications	10,000,000
MQ–9	36,500,000
Missile Procurement, Air Force:	
Missile Replacement Equipment—Ballistic	5,200,000
Space Procurement, Air Force:	
Air Force Satellite Communications System	5,000,000
Family of Beyond Line-of-Sight Terminals	5,000,000
Spacelift Range System	10,000,000
Spare and Repair Parts	5,000,000
Procurement, Defense-Wide:	
THAAD	14,000,000
Research, Development, Test and Evaluation, Navy:	
Navy warfighting exp and demo	6,196,000
Research, Development, Test and Evaluation, Air Force:	
B–2 Squadrons	13,000,000
Special Tactics/Combat Control	4,500,000

Section 8040 prohibits funds made available in this Act from being used to reduce authorized positions for military technicians (dual status) of the Army National Guard, Air National Guard, Army Reserve, and Air Force Reserve unless such reductions are a direct result of a reduction in military force structure.

Section 8041 prohibits funding from being obligated or expended for assistance to the Democratic People's Republic of Korea unless specifically appropriated for that purpose.

Section 8042 provides for reimbursement to the National Guard and reserve when members of the National Guard and reserve provide intelligence or counterintelligence support to the combatant commands, defense agencies, and joint intelligence activities.

Section 8043 prohibits the transfer of Department of Defense and Central Intelligence Agencies drug interdiction and counter-drug activity funds to other agencies except as specifically provided in an appropriations law.

Section 8044 prohibits funding from being used for the procurement of ball and roller bearings other than those produced by a domestic source and of domestic origin.

Section 8045 provides funding for Red Cross and United Services Organization grants.

Section 8046 prohibits funding from being used to purchase supercomputers which are not manufactured in the United States.

Section 8047 provides funds for the Small Business Innovation Research program and the Small Business Technology Transfer program.

Section 8048 prohibits funding from being used for contractor bonuses being paid due to business restructuring.

Section 8049 provides for prior congressional notification of article or service transfers to international peacekeeping organizations.

Section 8050 provides for the Department of Defense to dispose of negative unliquidated or unexpended balances for expired or closed accounts.

Section 8051 provides conditions for the use of equipment of the National Guard Distance Learning Project on a space-available, reimbursable basis.

Section 8052 provides funding for Sexual Assault Prevention and Response Programs.

Section 8053 provides for the limitation on the use of funds appropriated in title IV to procure end-items for delivery to military forces for operational training, operational use or inventory requirements.

Section 8054 provides for a waiver of "Buy American" provisions for certain cooperative programs.

Section 8055 prohibits funding in this Act from being used for repairs or maintenance to military family housing units.

Section 8056 provides obligation authority for new starts for advanced concept technology demonstration projects only after notification to the congressional defense committees.

Section 8057 provides that the Secretary of Defense shall provide a classified quarterly report on certain matters as directed in the classified annex accompanying this Act.

Section 8058 provides for the use of National Guard personnel to support ground-based elements of the National Ballistic Missile Defense System.

Section 8059 prohibits the use of funds made available in this Act to transfer to any nongovernmental entity ammunition held by the Department of Defense that has a center-fire cartridge and is

designated as "armor piercing" except for demilitarization purposes.

Section 8060 provides for a waiver by the Chief of the National Guard Bureau or his designee for all or part of consideration in cases of personal property leases of less than one year.

Section 8061 has been amended and provides for the transfer of funds made available in this Act under Operation and Maintenance, Army to other activities of the federal government for classified purposes.

Section 8062 prohibits funding to separate, or to consolidate from within, the National Intelligence Program budget from the Department of Defense budget.

Section 8063 has been amended and provides grant authority for the construction and furnishing of additional Fisher Houses to meet the needs of military family members when confronted with the illness or hospitalization of an eligible military beneficiary.

Section 8064 requires that rapid acquisition authority notifications be provided to the Subcommittees on Defense of the Committees on Appropriations of the Senate and the House of Representatives concurrently with the Committees on Appropriations of the Senate and the House of Representatives as required under section 806(c)(4) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003.

Section 8065 has been amended and provides funding and transfer authority for the Israeli Cooperative Programs.

Section 8066 has been amended and provides for the funding of prior year shipbuilding cost increases.

Section 8067 has been amended and provides that funds made available in this Act for intelligence activities are deemed to be specifically authorized by Congress for purposes of section 504 of the National Security Act of 1947 until the enactment of the Intelligence Authorization Act for the current fiscal year.

Section 8068 prohibits funding from being used to initiate a new start program without prior written notification.

Section 8069 has been amended and provides that the budget of the President for the subsequent fiscal year shall include separate budget justification documents for costs of the United States Armed Forces' participation in contingency operations.

Section 8070 prohibits funding from being used for the research, development, test, evaluation, procurement, or deployment of nuclear armed interceptors of a missile defense system.

Section 8071 has been amended and reduces appropriations to reflect savings due to favorable exchange rates.

Section 8072 makes funds available for transfer for the purposes of rapid acquisition and deployment of supplies and associated support services pursuant to section 806 of the Bob Stump National Defense Authorization Act for Fiscal Year 2003.

Section 8073 prohibits funding from being used to reduce or disestablish the operation of the 53rd Weather Reconnaissance Squadron of the Air Force Reserve.

Section 8074 prohibits funding from being used for the integration of foreign intelligence information unless the information has been lawfully collected and processed during conduct of authorized foreign intelligence activities.

Section 8075 prohibits funding from being used to transfer program authority relating to current tactical unmanned aerial vehicles from the Army and requires the Army to retain responsibility for and operational control of the MQ–1C Unmanned Aerial Vehicle.

Section 8076 has been amended and limits the availability of funding provided for the Office of the Director of National Intelligence beyond the current fiscal year, except for funds appropriated for research and technology, which shall remain available for the current and the following fiscal years.

Section 8077 provides limitations on the Shipbuilding and Conversion, Navy appropriation.

Section 8078 has been amended and provides for the establishment of a baseline for application of reprogramming and transfer authorities for the Office of the Director of National Intelligence for the current fiscal year.

Section 8079 prohibits the use of funds to modify Army Contracting Command—New Jersey without prior congressional notification.

Section 8080 places restrictions on the transfer of funds for support to friendly foreign countries in connection with the conduct of operations in which the United States in not participating.

Section 8081 has been amended and places limitations on the reprogramming of funds from the Defense Acquisition Workforce Development Fund.

Section 8082 prohibits funding from being used to violate the Child Soldiers Prevention Act of 2008.

Section 8083 provides for limitations on funding provided for the National Intelligence Program to be available for obligation or expenditure through a reprogramming or transfer of funds in accordance with section 102A(d) of the National Security Act of 1947 (50 U.S.C. 403–1(d)).

Section 8084 directs the Director of National Intelligence to submit a future-years intelligence program reflecting estimated expenditures and proposed appropriations.

Section 8085 defines the congressional intelligence committees as being the Permanent Select Committee on Intelligence of the House, the Select Committee on Intelligence of the Senate, and the Subcommittees on Defense of the Committees on Appropriations of the House and Senate.

Section 8086 provides the authority to transfer funding from operation and maintenance accounts for the Army, Navy, and Air Force to the central fund for Fisher Houses and Suites.

Section 8087 prohibits the use of funds for the purpose of making remittances to the Defense Acquisition Workforce Development Fund.

Section 8088 provides that any agency receiving funds made available in this Act shall post on a public website any report required to be submitted to Congress with certain exceptions.

Section 8089 prohibits the use of funds for federal contracts in excess of $1,000,000 unless the contractor agrees not to require, as a condition of employment, that employees or independent contractors agree to resolve through arbitration any claim or tort related to, or arising out of, sexual assault or harassment, including as-

sault and battery, intentional infliction of emotional distress, false imprisonment, or negligent hiring, supervision, or retention, and to certify that each covered subcontractor agrees to do the same.

Section 8090 has been amended and provides funds for transfer to the Joint Department of Defense—Department of Veterans Affairs Medical Facility Demonstration Fund.

Section 8091 prohibits the use of funds providing certain missile defense information to certain entities.

Section 8092 provides for the purchase of heavy and light armed vehicles for the physical security of personnel or for force protection purposes up to a limit of $450,000 per vehicle.

Section 8093 has been amended and provides the Director of National Intelligence with general transfer authority with certain limitations.

Section 8094 prohibits funding to transfer or release any individual detained at Guantanamo Bay, Cuba into the United States, its territories, or possessions. This language is identical to language enacted in Public Law 112–74.

Section 8095 prohibits funding to modify any United States facility (other than the facility at Guantanamo Bay, Cuba) to house any individual detained at Guantanamo Bay, Cuba. This language is identical to language enacted in Public Law 112–74.

Section 8096 prohibits funding to transfer any individual detained at Guantanamo Bay, Cuba to a country of origin or other foreign country or entity unless the Secretary of Defense makes certain certifications. This language is similar to language enacted in Public Law 112–239.

Section 8097 prohibits funding from being used to violate the War Powers Resolution Act.

Section 8098 prohibits funds from being used to enter into a contract, memorandum of understanding, or cooperative agreement with, make a grant to, or provide a loan or loan guarantee to Rosoboronexport, except under certain conditions.

Section 8099 prohibits the use of funds for the purchase or manufacture of a United States flag unless such flags are treated as covered items under section 2533a(b) of title 10, United States Code.

Section 8100 provides that funds may be used to provide ex gratia payments to local military commanders for damage, personal injury, or death that is incident to combat operations in a foreign country.

Section 8101 prohibits the use of funds to reduce or prepare to reduce the number of deployed and non-deployed strategic delivery vehicles and launchers.

Section 8102 directs the Secretary of Defense to post grant awards on a public Web site in a searchable format.

Section 8103 places restrictions on transfer amounts available in the Rapid Prototyping Fund.

Section 8104 prohibits the use of funds for flight demonstration teams outside of the United States.

Section 8105 prohibits the use of funds by the National Security Agency targeting United States persons under authorities granted in the Foreign Intelligence Surveillance Act.

Section 8106 prohibits the use of funds to implement the Arms Trade Treaty until ratified by the Senate.

Section 8107 has been amended and prohibits the transfer of administrative or budgetary resources to the jurisdiction of another Federal agency not financed by this Act without the express authorization of Congress.

Section 8108 prohibits the use of funds to provide counterterrorism support to foreign partners unless the congressional defense committees are notified accordingly.

Section 8109 prohibits the use of funds to contravene the War Powers Resolution with respect to Iraq.

Section 8110 has been amended and prohibits the use of funds to award a new TAO Fleet Oiler program contract for the acquisition of certain components unless those components are manufactured in the Unites States.

Section 8111 has been amended and reduces the total amount appropriated to reflect lower than anticipated fuel prices.

Section 8112 prohibits the use of funds for gaming or entertainment that involves nude entertainers.

Section 8113 prohibits the use of funds for Base Realignment and Closure.

Section 8114 has been amended and grants the Secretary of Defense the authority to use funds for Office of Personnel and Management background investigations.

Section 8115 prohibits the use of funds to close facilities at Naval Station Guantanamo Bay.

Section 8116 prohibits the use of funding for information technology systems that do not have sufficient pornographic content filters.

Section 8117 places certain limitations on the transfer of funds for Global Engagement Center activities.

Section 8118 has been amended and makes funds available through the Office of Economic Adjustment for transfer to the Secretary of Education, to make grants to construct, renovate, repair, or expand elementary and secondary public schools on military installations.

Section 8119 provides guidance on the implementation of the Policy for Assisted Reproductive Services for the Benefit of Seriously or Severely Ill/Injured Active Duty Service Members.

Section 8120 prohibits the use of funds to provide arms, training, or other assistance to the Azov Battalion.

Section 8121 prohibits the use of funds to purchase heavy water from Iran.

Section 8122 is new and reduces funding in title II of this Act for Operation and Maintenance, Army to reflect excess cash balances in Department of Defense Working Capital Funds.

Section 8123 is new and reduces funding in title II of this Act for Operation and Maintenance, Navy to reflect excess cash balances in Department of Defense Working Capital Funds.

Section 8124 is new and limits the availability of funds to carry out changes to the Joint Travel Regulations of the Department of Defense.

Section 8125 is new and prohibits the use of funds for the divestiture of the E–8 Joint Surveillance Target Attack Radar System.

Section 8126 is new and places restrictions on the use of funding for military parades.

Section 8127 is new and provides for the availability of funds to implement cost-effective agreements for required heating facility modernization in the Kaiserslautern Military Community, Landstuhl Army Regional Medical Center, and Ramstein Air Base, Germany.

Section 8128 is new and provides for the use of funds to modify two F–35 Joint Strike Fighters per variant to a test configuration.

Section 8129 is new and makes funding available in the Defense Health Program for death gratuity payments.

Section 8130 is new and places restrictions on the use of funds to migrate data and applications to the proposed Joint Enterprise Defense Infrastructure and the Defense Enterprise Office Solutions cloud services.

TITLE IX

OVERSEAS CONTINGENCY OPERATIONS/GLOBAL WAR ON TERRORISM

COMMITTEE RECOMMENDATION

In title IX, the Committee recommends total new appropriations of $68,079,000,000. A detailed review of the Committee recommendation for programs funded in this title is provided in the following pages.

REPORTING REQUIREMENTS

The Committee recommendation includes a number of reporting requirements related to contingency operations and building capacity efforts. The Committee directs the Secretary of Defense to continue to report incremental costs for all named operations in the Central Command area of responsibility on a quarterly basis and to submit, also on a quarterly basis, commitment, obligation, and expenditure data for the Afghanistan Security Forces Fund, the Counter-Islamic State of Iraq and Syria Train and Equip Fund, and for all security cooperation programs funded under the Defense Security Cooperation Agency in the Operation and Maintenance, Defense-Wide account.

MILITARY PERSONNEL

The Committee recommends an additional appropriation of $4,660,661,000 for Military Personnel. The Committee recommendation for each military personnel account is as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
MILITARY PERSONNEL, ARMY			
BA-1: PAY AND ALLOWANCES OF OFFICERS			
BASIC PAY	534,241	534,241	0
RETIRED PAY ACCRUAL	131,957	131,957	0
BASIC ALLOWANCE FOR HOUSING	179,452	179,452	0
BASIC ALLOWANCE FOR SUBSISTENCE	19,851	19,851	0
INCENTIVE PAYS	4,138	4,138	0
SPECIAL PAYS	21,501	21,501	0
ALLOWANCES	16,036	16,036	0
SEPARATION PAY	6,972	6,972	0
SOCIAL SECURITY TAX	40,869	40,869	0
TOTAL, BA-1	955,017	955,017	0
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
BASIC PAY	742,895	742,895	0
RETIRED PAY ACCRUAL	183,495	183,495	0
BASIC ALLOWANCE FOR HOUSING	361,724	361,724	0
INCENTIVE PAYS	2,315	2,315	0
SPECIAL PAYS	78,317	78,317	0
ALLOWANCES	62,898	62,898	0
SEPARATION PAY	13,750	13,750	0
SOCIAL SECURITY TAX	56,831	56,831	0
TOTAL, BA-2	1,502,225	1,502,225	0
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL			
BASIC ALLOWANCE FOR SUBSISTENCE	88,718	88,718	0
SUBSISTENCE-IN-KIND	287,470	287,470	0
TOTAL, BA-4	376,188	376,188	0
BA-5: PERMANENT CHANGE OF STATION TRAVEL			
OPERATIONAL TRAVEL	34,924	34,924	0
ROTATIONAL TRAVEL	5,933	5,933	0
TOTAL, BA-5	40,857	40,857	0
BA-6: OTHER MILITARY PERSONNEL COSTS			
INTEREST ON UNIFORMED SERVICES SAVINGS	3,112	3,112	0
DEATH GRATUITIES	2,000	2,000	0
UNEMPLOYMENT BENEFITS	39,923	39,923	0
SGLI EXTRA HAZARD PAYMENTS	9,832	9,832	0
TOTAL, BA-6	54,867	54,867	0
TOTAL, MILITARY PERSONNEL, ARMY	2,929,154	2,929,154	0

M-1	Budget Request	Committee Recommended	Change from Request
MILITARY PERSONNEL, NAVY			
BA-1: PAY AND ALLOWANCES OF OFFICERS			
BASIC PAY	74,977	74,977	0
RETIRED PAY ACCRUAL	18,520	18,520	0
BASIC ALLOWANCE FOR HOUSING	25,660	25,660	0
BASIC ALLOWANCE FOR SUBSISTENCE	2,623	2,623	0
INCENTIVE PAYS	540	540	0
SPECIAL PAYS	3,562	3,562	0
ALLOWANCES	8,096	8,096	0
SOCIAL SECURITY TAX	5,736	5,736	0
TOTAL, BA-1	139,714	139,714	0
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
BASIC PAY	86,888	86,888	0
RETIRED PAY ACCRUAL	21,463	21,463	0
BASIC ALLOWANCE FOR HOUSING	47,583	47,583	0
INCENTIVE PAYS	215	215	0
SPECIAL PAYS	9,302	9,302	0
ALLOWANCES	17,872	17,872	0
SOCIAL SECURITY TAX	6,647	6,647	0
TOTAL, BA-2	189,970	189,970	0
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL			
BASIC ALLOWANCE FOR SUBSISTENCE	9,878	9,878	0
SUBSISTENCE-IN-KIND	24,054	24,054	0
TOTAL, BA-4	33,932	33,932	0
BA-5: PERMANENT CHANGE OF STATION TRAVEL			
ACCESSION TRAVEL	5,912	5,912	0
OPERATIONAL TRAVEL	1,119	1,119	0
ROTATIONAL TRAVEL	355	355	0
SEPARATION TRAVEL	4,848	4,848	0
TOTAL, BA-5	12,234	12,234	0
BA-6: OTHER MILITARY PERSONNEL COSTS			
DEATH GRATUITIES	300	300	0
UNEMPLOYMENT BENEFITS	6,066	6,066	0
RESERVE INCOME REPLACEMENT PROGRAM	9	9	0
SGLI EXTRA HAZARD PAYMENTS	3,236	3,236	0
TOTAL, BA-6	9,611	9,611	0
TOTAL, MILITARY PERSONNEL, NAVY	385,461	385,461	0
MILITARY PERSONNEL, MARINE CORPS			
BA-1: PAY AND ALLOWANCES OF OFFICERS			
BASIC PAY	27,939	27,939	0
RETIRED PAY ACCRUAL	6,901	6,901	0
BASIC ALLOWANCE FOR HOUSING	9,815	9,815	0
BASIC ALLOWANCE FOR SUBSISTENCE	927	927	0
INCENTIVE PAYS	253	253	0

M-1	Budget Request	Committee Recommended	Change from Request
SPECIAL PAYS	1,498	1,498	0
ALLOWANCES	1,955	1,955	0
SEPARATION PAY	1,165	1,165	0
SOCIAL SECURITY TAX	2,137	2,137	0
TOTAL, BA-1	52,590	52,590	0
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
BASIC PAY	21,663	21,663	0
RETIRED PAY ACCRUAL	5,351	5,351	0
BASIC ALLOWANCE FOR HOUSING	12,633	12,633	0
INCENTIVE PAYS	28	28	0
SPECIAL PAYS	6,442	6,442	0
ALLOWANCES	5,321	5,321	0
SEPARATION PAY	467	467	0
SOCIAL SECURITY TAX	1,657	1,657	0
TOTAL, BA-2	53,562	53,562	0
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL			
BASIC ALLOWANCE FOR SUBSISTENCE	2,427	2,427	0
TOTAL, BA-4	2,427	2,427	0
BA-6: OTHER MILITARY PERSONNEL COSTS			
INTEREST ON UNIFORMED SERVICES SAVINGS	238	238	0
SGLI EXTRA HAZARD PAYMENTS	415	415	0
TOTAL, BA-6	653	653	0
TOTAL, MILITARY PERSONNEL, MARINE CORPS	109,232	109,232	0
MILITARY PERSONNEL, AIR FORCE			
BA-1: PAY AND ALLOWANCES OF OFFICERS			
BASIC PAY	109,903	109,903	0
RETIRED PAY ACCRUAL	27,146	27,146	0
BASIC ALLOWANCE FOR HOUSING	34,021	34,021	0
BASIC ALLOWANCE FOR SUBSISTENCE	3,741	3,741	0
SPECIAL PAYS	8,797	8,797	0
ALLOWANCES	5,917	5,917	0
SOCIAL SECURITY TAX	8,408	8,408	0
TOTAL, BA-1	197,933	197,933	0
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
BASIC PAY	307,674	307,674	0
RETIRED PAY ACCRUAL	75,995	75,995	0
BASIC ALLOWANCE FOR HOUSING	129,809	129,809	0
SPECIAL PAYS	37,166	37,166	0
ALLOWANCES	24,955	24,955	0
SOCIAL SECURITY TAX	23,537	23,537	0
TOTAL, BA-2	599,136	599,136	0

M-1	Budget Request	Committee Recommended	Change from Request
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL			
BASIC ALLOWANCE FOR SUBSISTENCE	32,575	32,575	0
SUBSISTENCE-IN-KIND	118,489	118,489	0
TOTAL, BA-4	151,064	151,064	0
BA-6: OTHER MILITARY PERSONNEL COSTS			
DEATH GRATUITIES	1,000	1,000	0
UNEMPLOYMENT BENEFITS	8,946	8,946	0
SGLI EXTRA HAZARD PAYMENTS	6,429	6,429	0
TOTAL, BA-6	16,375	16,375	0
			0
TOTAL, MILITARY PERSONNEL, AIR FORCE	964,508	964,508	0
RESERVE PERSONNEL, ARMY			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	37,007	37,007	0
TOTAL, BA-1	37,007	37,007	0
TOTAL, RESERVE PERSONNEL, ARMY	37,007	37,007	0
RESERVE PERSONNEL, NAVY			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	11,100	11,100	0
TOTAL, BA-1	11,100	11,100	0
TOTAL, RESERVE PERSONNEL, NAVY	11,100	11,100	0
RESERVE PERSONNEL, MARINE CORPS			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	2,336	2,336	0
ADMINISTRATION AND SUPPORT	44	44	0
TOTAL, BA-1	2,380	2,380	0
TOTAL, RESERVE PERSONNEL, MARINE CORPS	2,380	2,380	0
RESERVE PERSONNEL, AIR FORCE			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	21,076	21,076	0
TOTAL, BA-1	21,076	21,076	0
TOTAL, RESERVE PERSONNEL, AIR FORCE	21,076	21,076	0

M-1	Budget Request	Committee Recommended	Change from Request
NATIONAL GUARD PERSONNEL, ARMY			
BA-1: UNIT AND INDIVIDUAL TRAINING			
PAY GROUP A TRAINING (15 DAYS and DRILLS 24/48)	47,114	47,114	0
SCHOOL TRAINING	2,939	2,939	0
SPECIAL TRAINING	135,655	135,655	0
ADMINISTRATION AND SUPPORT	9,575	9,575	0
TOTAL, BA-1	195,283	195,283	0
TOTAL, NATIONAL GUARD PERSONNEL, ARMY	195,283	195,283	0
NATIONAL GUARD PERSONNEL, AIR FORCE			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	5,460	5,460	0
TOTAL, BA-1	5,460	5,460	0
TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE	5,460	5,460	0
TOTAL, MILITARY PERSONNEL	4,660,661	4,660,661	0

OPERATION AND MAINTENANCE

The Committee recommends an additional appropriation of $48,304,549,000 for Operation and Maintenance. The Committee recommendation for each operation and maintenance account is as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE, ARMY			
111 MANEUVER UNITS	1,179,339	1,179,339	0
113 ECHELONS ABOVE BRIGADE	25,983	25,983	0
114 THEATER LEVEL ASSETS	2,189,916	2,189,916	0
115 LAND FORCES OPERATIONS SUPPORT	188,609	188,609	0
116 AVIATION ASSETS	120,787	120,787	0
121 FORCE READINESS OPERATIONS SUPPORT	3,867,286	3,867,286	0
122 LAND FORCES SYSTEMS READINESS	550,068	550,068	0
123 LAND FORCES DEPOT MAINTENANCE	195,873	195,873	0
131 BASE OPERATIONS SUPPORT	109,560	109,560	0
132 FACILITIES, SUSTAINMENT, RESTORATION AND MODERNIZATION	60,807	60,807	0
135 ADDITIONAL ACTIVITIES	5,992,222	5,992,222	0
136 COMMANDERS' EMERGENCY RESPONSE PROGRAM	10,000	10,000	0
137 RESET	1,036,454	1,036,454	0
141 U.S. AFRICA COMMAND	248,796	248,796	0
142 U.S. EUROPEAN COMMAND	98,127	98,127	0
143 U.S. SOUTHERN COMMAND	2,550	2,550	0
212 ARMY PREPOSITIONED STOCKS	158,753	158,753	0
421 SERVICEWIDE TRANSPORTATION	712,230	712,230	0
422 CENTRAL SUPPLY ACTIVITIES	44,168	44,168	0
423 LOGISTIC SUPPORT ACTIVITIES	5,300	5,300	0
424 AMMUNITION MANAGEMENT	38,597	38,597	0

O-1	Budget Request	Committee Recommended	Change from Request
434 OTHER PERSONNEL SUPPORT	109,019	109,019	0
437 REAL ESTATE MANAGEMENT	191,786	191,786	0
999 CLASSIFIED PROGRAMS	1,074,270	1,074,270	0
FISCAL YEAR 2018 DECREASE NOT PROPERLY ACCOUNTED		-85,000	-85,000
TOTAL, OPERATION AND MAINTENANCE, ARMY	18,210,500	18,125,500	-85,000
OPERATION AND MAINTENANCE, NAVY			
1A1A MISSION AND OTHER FLIGHT OPERATIONS	435,507	435,507	0
1A3A AVIATION TECHNICAL DATA & ENGINEERING	800	800	0
1A4A AIR OPERATIONS AND SAFETY SUPPORT	9,394	9,394	0
1A4N AIR SYSTEMS SUPPORT	193,384	193,384	0
1A5A AIRCRAFT DEPOT MAINTENANCE	173,053	173,053	0
1A6A AIRCRAFT DEPOT OPERATIONS SUPPORT	3,524	3,524	0
1A9A AVIATION LOGISTICS	60,219	60,219	0
1B1B MISSION AND OTHER SHIP OPERATIONS	942,960	942,960	0
1B2B SHIP OPERATIONS SUPPORT & TRAINING	20,236	20,236	0
1B4B SHIP DEPOT MAINTENANCE	1,022,647	1,022,647	0
1C1C COMBAT COMMUNICATIONS	59,553	59,553	0
1C4C WARFARE TACTICS	16,651	16,651	0
1C5C OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	31,118	31,118	0
1C6C COMBAT SUPPORT FORCES	635,560	635,560	0
1C7C EQUIPMENT MAINTENANCE	4,334	4,334	0
1CCM COMBATANT COMMANDER DIRECT MISSION SUPPORT	24,800	24,800	0
1CCY CYBERSPACE ACTIVITIES	355	355	0
1D4D WEAPONS MAINTENANCE	493,033	493,033	0

O-1	Budget Request	Committee Recommended	Change from Request
1D7D OTHER WEAPONS SYSTEMS SUPPORT	12,780	12,780	0
BSM1 FACILITIES SUSTAINMENT, RESTORATION AND MODERNIZATION	67,321	67,321	0
BSS1 BASE OPERATING SUPPORT	211,394	211,394	0
2C1H EXPEDITIONARY HEALTH SERVICE SYSTEM	12,902	12,902	0
2C3H COAST GUARD SUPPORT	165,000	165,000	0
3B1K SPECIALIZED SKILL TRAINING	51,138	51,138	0
4A1M ADMINISTRATION	4,145	4,145	0
4A4M MILITARY MANPOWER AND PERSONNEL	7,503	7,503	0
4B1N SERVICEWIDE TRANSPORTATION	69,297	69,297	0
4B3N ACQUISITION AND PROGRAM MANAGEMENT	10,912	10,912	0
4C1P INVESTIGATIONS	1,559	1,559	0
999 CLASSIFIED PROGRAMS	16,076	16,076	0
TOTAL, OPERATION AND MAINTENANCE, NAVY	4,757,155	4,757,155	0
OPERATION AND MAINTENANCE, MARINE CORPS			
1A1A OPERATIONAL FORCES	734,505	734,505	0
1A2A FIELD LOGISTICS	212,691	212,691	0
1A3A DEPOT MAINTENANCE	53,040	53,040	0
BSS1 BASE OPERATING SUPPORT	23,047	23,047	0
3B4D TRAINING SUPPORT	30,459	30,459	0
4A3G SERVICEWIDE TRANSPORTATION	61,400	61,400	0
4A4G ADMINISTRATION	2,108	2,108	0
999 OTHER PROGRAMS	4,650	4,650	0
TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS	1,121,900	1,121,900	0

O-1	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE, AIR FORCE			
011A PRIMARY COMBAT FORCES	166,274	166,274	0
011C COMBAT ENHANCEMENT FORCES	1,492,580	1,492,580	0
011D AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	110,237	110,237	0
011M DEPOT MAINTENANCE	209,996	209,996	0
011R FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	92,412	92,412	0
011W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM	1,289,693	1,289,693	0
011Y FLYING HOUR PROGRAM	2,355,264	2,355,264	0
011Z BASE SUPPORT	1,141,718	1,141,718	0
012A GLOBAL C3I AND EARLY WARNING	13,537	13,537	0
012C OTHER COMBAT OPS SPT PROGRAMS	224,713	224,713	0
012D CYBERSPACE ACTIVITIES	17,353	17,353	0
012F TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	36,098	36,098	0
013A LAUNCH FACILITIES	385	385	0
013C SPACE CONTROL SYSTEMS	38,966	38,966	0
015C MISSION OPERATIONS - USNORTHCOM	725	725	0
015D MISSION OPERATIONS - USSTRATCOM	2,056	2,056	0
015E MISSION OPERATIONS - USCYBERCOM	35,189	35,189	0
015F MISSION OPERATIONS - USCENTCOM	162,691	162,691	0
015G MISSION OPERATIONS - USSOCOM	19,000	19,000	0
021A AIRLIFT OPERATIONS	1,287,659	1,287,659	0
021D MOBILIZATION PREPAREDNESS	107,064	107,064	0
031A OFFICER ACQUISITION	300	300	0
031B RECRUIT TRAINING	340	340	0

O-1	Budget Request	Committee Recommended	Change from Request
032A SPECIALIZED SKILL TRAINING	25,327	25,327	0
032B FLIGHT TRAINING	844	844	0
032C PROFESSIONAL DEVELOPMENT EDUCATION	1,199	1,199	0
032D TRAINING SUPPORT	1,320	1,320	0
041A LOGISTICS OPERATIONS	154,485	154,485	0
041B TECHNICAL SUPPORT ACTIVITIES	13,608	13,608	0
042A ADMINISTRATION	4,814	4,814	0
042B SERVICEWIDE COMMUNICATIONS	131,123	131,123	0
042G OTHER SERVICEWIDE ACTIVITIES	97,471	97,471	0
043A SECURITY PROGRAMS	51,108	51,108	0
044A INTERNATIONAL SUPPORT	240	240	0
FISCAL YEAR 2018 DECREASE NOT PROPERLY ACCOUNTED		-27,115	-27,115
TOTAL, OPERATION AND MAINTENANCE, AIR FORCE	9,285,789	9,258,674	-27,115
OPERATION AND MAINTENANCE, DEFENSE-WIDE			
1PL1 JOINT CHIEFS OF STAFF	28,671	28,671	0
1PL2 SPECIAL OPERATIONS COMMAND	3,733,161	3,621,097	-112,064
MRAP reset maintenance		-17,064	
Other operations - Section 1202 authority		-10,000	
Classified adjustment		-85,000	
4GT6 DEFENSE CONTRACT AUDIT AGENCY	1,781	1,781	0
4GT0 DEFENSE CONTRACT MANAGEMENT AGENCY	21,723	21,723	0
4GT9 DEFENSE INFORMATION SYSTEMS AGENCY	111,702	111,702	0
4GTA DEFENSE LEGAL SERVICES	127,023	127,023	0
ES18 DEFENSE MEDIA ACTIVITY	14,377	14,377	0
4GTJ DEPARTMENT OF DEFENSE EDUCATION AGENCY	31,620	31,620	0

O-1	Budget Request	Committee Recommended	Change from Request
4GTD DEFENSE SECURITY COOPERATION AGENCY	2,208,442	1,965,000	-243,442
Coalition Support Funds	900,000	900,000	
Lift and Sustain	150,000	150,000	
MoDA in Afghanistan	15,000	15,000	
Building Partnership Capacity	943,442	993,442	
CENTCOM allotment	362,000	362,000	
The Levant allotment	309,000	309,000	
Arabian Peninsula allotment	22,000	22,000	
Central and South Asia allotment	31,000	31,000	
AFRICOM allotment	221,442	221,442	
North and West Africa and the Sahel allotment	57,442	57,442	
Lake Chad Basin allotment	81,000	81,000	
Horn of Africa and East Africa Maritime allotment	83,000	83,000	
EUCOM allotment	280,000	280,000	
Baltics and Eastern Europe allotment	280,000	280,000	
INDOPACOM allotment	80,000	130,000	
Southeast Asia	80,000	80,000	
Southeast Asia Maritime Security Initiative - transfer from title II		50,000	
Undistributed reduction - maintain level of effort		-93,442	
Ukraine	200,000	0	
Transfer to Section 9013		-200,000	
4GTF DEFENSE THREAT REDUCTION AGENCY	302,250	302,250	0
4GTN OFFICE OF THE SECRETARY OF DEFENSE	16,579	16,579	0
4GTQ WASHINGTON HEADQUARTERS SERVICE	7,766	6,466	-1,300
DIUx program decrease		-1,000	
Defense Digital Service program decrease		-300	
9999 OTHER PROGRAMS	1,944,813	1,935,613	-9,200
Classified adjustment		-9,200	
TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE	8,549,908	8,183,902	-366,006
OPERATION AND MAINTENANCE, ARMY RESERVE			
113 ECHELONS ABOVE BRIGADE	20,700	20,700	0
121 FORCES READINESS OPERATIONS SUPPORT	700	700	0
131 BASE OPERATIONS SUPPORT	20,487	20,487	0
TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	41,887	41,887	0

O-1	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE, NAVY RESERVE			
1A3A INTERMEDIATE MAINTENANCE	500	500	0
1A5A AIRCRAFT DEPOT MAINTENANCE	11,400	11,400	0
1C6C COMBAT SUPPORT FORCES	13,737	13,737	0
TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	25,637	25,637	0
OPERATION AND MAINTENANCE, MARINE CORPS RESERVE			
1A1A OPERATING FORCES	2,550	2,550	0
BSS1 BASE OPERATING SUPPORT	795	795	0
TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS RESERVE	3,345	3,345	0
OPERATION AND MAINTENANCE, AIR FORCE RESERVE			
011M DEPOT MAINTENANCE	51,000	51,000	0
011Z BASE OPERATING SUPPORT	9,500	9,500	0
TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE	60,500	60,500	0
OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
111 MANEUVER UNITS	42,519	42,519	0
112 MODULAR SUPPORT BRIGADES	778	778	0
113 ECHELONS ABOVE BRIGADE	12,093	12,093	0
114 THEATER LEVEL ASSETS	708	708	0
116 AVIATION ASSETS	28,135	28,135	0
121 FORCE READINESS OPERATIONS SUPPORT	5,908	5,908	0
131 BASE OPERATIONS SUPPORT	18,877	18,877	0
133 MANAGEMENT AND OPERATIONAL HEADQUARTERS	956	956	0
432 SERVICEWIDE COMMUNICATIONS	755	755	0
TOTAL, OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD	110,729	110,729	0

O-1	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
011G MISSION SUPPORT OPERATIONS	3,560	3,560	0
011Z BASE SUPPORT	12,310	12,310	0
TOTAL, OPERATION AND MAINTENANCE, AIR NATIONAL GUARD	15,870	15,870	0
AFGHANISTAN SECURITY FORCES FUND			
Afghan National Army	**1,929,027**	**1,929,027**	**0**
Sustainment	1,554,277	1,554,277	
Infrastructure	137,732	137,732	
Equipment and Transportation	71,922	71,922	
Training and Operations	165,096	165,096	
Afghan National Police	**766,264**	**766,264**	**0**
Sustainment	537,554	537,554	
Infrastructure	42,984	42,984	
Equipment and Transportation	14,554	14,554	
Training and Operations	171,172	171,172	
Afghan Air Force	**1,802,130**	**1,802,130**	**0**
Sustainment	932,279	932,279	
Infrastructure	30,350	30,350	
Equipment and Transportation	572,310	572,310	
Training and Operations	267,191	267,191	
Afghan Special Security Forces	**702,029**	**702,029**	**0**
Sustainment	353,734	353,734	
Infrastructure	43,132	43,132	
Equipment and Transportation	151,790	151,790	
Training and Operations	153,373	153,373	
TOTAL, AFGHANISTAN SECURITY FORCES FUND	5,199,450	5,199,450	0
COUNTER-ISIS TRAIN AND EQUIP FUND			
Counter-ISIS	**1,400,000**	**1,400,000**	**0**
Transfer from Iraq Train and Equip Fund	850,000	850,000	
Building Partnership Capacity	420,000	420,000	
Maintenance and Sustainment of Equipment and Programs	98,000	98,000	
Site Repair, Renovation, Maintenance and Sustainment	42,000	42,000	
Operational Sustainment	290,000	290,000	
Transfer from Syria Train and Equip Fund	300,000	300,000	
Weapons, Ammunition, Vehicles and Other Equipment	162,500	162,500	
Basic Life Support	8,000	8,000	
Transportation and Staging	28,000	28,000	
Operational Sustainment	101,500	101,500	
Border Security CTEF Requirement	250,000	250,000	
TOTAL, COUNTER-ISIS TRAIN AND EQUIP FUND	1,400,000	1,400,000	0
TOTAL, OPERATION AND MAINTENANCE	48,782,670	48,304,549	-478,121

AFGHANISTAN SECURITY FORCES FUND

The Committee recommends an additional appropriation of $5,199,450,000 for the Afghanistan Security Forces Fund.

COUNTER-ISLAMIC STATE OF IRAQ AND SYRIA TRAIN AND EQUIP FUND

The Committee recommends an additional appropriation of $1,400,000,000 for the Counter-Islamic State of Iraq and Syria Train and Equip Fund.

KURDISH PESHMERGA

The Committee is encouraged that the Department of Defense has signed an updated memorandum of understanding with the Kurdistan Regional Government. This memorandum allows the Department to extend the payment of stipends through the Kurdistan Regional Government to nearly 35,000 members of the Kurdish Peshmerga. The Peshmerga are historic military forces of the federal region of Iraqi Kurdistan responsible for security in that region. During the ISIS offensive in Iraq, the Peshmerga effectively defended a 600 kilometer front and were among the most effective Iraqi forces at defeating ISIS. In addition, the Peshmerga played a key role in the mission to capture Saddam Hussein and capturing key al Qaeda leadership which eventually assisted in identifying the location of Osama Bin Laden.

PROCUREMENT

The Committee recommends an additional appropriation of $12,745,120,000 for Procurement. The Committee recommendation for each procurement account is as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
	AIRCRAFT PROCUREMENT, ARMY			
3	MQ-1 UAV	60,000	60,000	0
11	UH-60 BLACKHAWK M MODEL	21,246	21,246	0
14	CH-47 HELICOPTER	25,000	20,000	-5,000
	SLEP unit cost discrepancy		-5,000	
17	MQ-1 PAYLOAD	11,400	600	-10,800
	CSP previously funded		-10,800	
19	GRAY EAGLE MOD	32,000	32,000	0
20	MULTI SENSOR ABN RECON	51,000	51,000	0
32	RQ-7 UAV MODS	50,868	50,868	0
33	UAS MODS	3,402	3,402	0
36	CMWS	84,387	84,387	0
37	CIRCM	24,060	24,060	0
	TOTAL, AIRCRAFT PROCUREMENT, ARMY	363,363	347,563	-15,800
	MISSILE PROCUREMENT, ARMY			
2	MSE MISSILE	260,000	260,000	0
5	HELLFIRE SYS SUMMARY	255,040	255,040	0
8	JAVELIN	31,120	31,120	0
11	GUIDED MLRS ROCKET	624,500	600,419	-24,081
	Unit cost adjustment		-21,000	
	Production capacity - previously funded		-3,081	
13	HIMARS	171,138	171,138	0
14	LMAMS	112,973	104,973	-8,000
	JUON requirement previously funded		-8,000	
16	ATACMS MODS	225,580	225,580	0
21	MLRS MODS	122,000	122,000	0
	TOTAL, MISSILE PROCUREMENT, ARMY	1,802,351	1,770,270	-32,081

P-1		Budget Request	Committee Recommended	Change from Request
	PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY			
1	BRADLEY PROGRAM	205,000	205,000	0
2	ARMORED MULTI PURPOSE VEHICLE (AMPV)	230,359	225,284	-5,075
	Unit cost adjustment		-5,075	
6	BRADLEY PROGRAM MOD	50,000	50,000	0
8	PALADIN INTEGRATED MANAGEMENT (PIM)	67,000	67,000	0
9	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	42,354	42,354	0
14	M1 ABRAMS TANK MOD	34,000	34,000	0
15	ABRAMS TANK UPGRADE	455,000	455,000	0
18	M240 MEDIUM MACHINE GUN	126	126	0
22	MORTAR SYSTEMS	11,842	11,842	0
25	CARBINE	1,800	1,800	0
27	CROWS	3,378	3,378	0
32	M2 50 CAL MACHINE GUN MODS	4,920	4,920	0
34	M240 MEDIUM MACHINE GUN MODS	7	7	0
39	ITEMS LESS THAN $5M	1,397	1,397	0
	TOTAL, PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY	1,107,183	1,102,108	-5,075
	PROCUREMENT OF AMMUNITION, ARMY			
1	CTG, 5.56MM, ALL TYPES	3,392	3,392	0
2	CTG, 7.62MM, ALL TYPES	40	40	0
3	CTG, HANDGUN, ALL TYPES	17	17	0
4	CTG, .50 CAL, ALL TYPES	189	189	0
5	CTG, 20MM, ALL TYPES	1,605	1,605	0
7	CTG, 30MM, ALL TYPES	25,000	25,000	0
9	60MM MORTAR, ALL TYPES	218	218	0
10	81MM MORTAR, ALL TYPES	484	484	0
14	ARTILLERY PROJECTILE, 155MM, ALL TYPES	79,400	79,400	0
15	PROJ 15MM EXTENDED RANGE M982	72,985	72,985	0

P-1		Budget Request	Committee Recommended	Change from Request
16	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES	63,900	63,900	0
18	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	22,242	22,242	0
19	ROCKET, HYDRA 70, ALL TYPES	39,974	39,974	0
21	DEMOLITION MUNITIONS, ALL TYPES	5	5	0
22	GRENADES, ALL TYPES	8	8	0
27	ITEMS LESS THAN $5M	66	66	0
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY	309,525	309,525	0
	OTHER PROCUREMENT, ARMY			
2	SEMITRAILERS, FLATBED	8,000	8,000	0
3	AMBULANCE, 4 LITTER, 5/4 TON, 4X4	20,770	20,770	0
10	FAMILY OF HEAVY TACTICAL VEHICLES (FMTV)	115,400	115,400	0
12	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	6,682	6,682	0
13	TACTICAL WHEELED VEHICLE PROTECTION KITS	50,000	50,000	0
14	MODIFICATION OF IN SVC EQUIP Kit unit cost growth	186,377	172,130 -14,247	-14,247
28	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	7,100	7,100	0
37	JOINT TACTICAL RADIO SYSTEM Unjustified request	1,560	0 -1,560	-1,560
42	TRACTOR RIDE	13,190	13,190	0
45	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEMS	9,549	9,549	0
47	COTS COMMUNICATIONS EQUIPMENT	22,000	22,000	0
50	CI AUTOMATION ARCHITECTURE	9,800	9,800	0
55	COMSEC	3	3	0
59	BASE SUPPORT COMMUNICATIONS	690	690	0
60	INFORMATION SYSTEMS	8,750	8,750	0
63	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	60,337	60,337	0

P-1		Budget Request	Committee Recommended	Change from Request
68	DCGS-A	37,806	37,806	0
70	TROJAN	6,926	6,926	0
71	MOD OF IN SVC EQUIP (INTEL SPT)	2,011	2,011	0
75	BIOMETRIC TACTICAL COLLECTION DEVICES	5,370	5,370	0
80	CREW	42,651	42,651	0
81	FAMILY OF PERSISTENT SURVEILLANCE CAP	20,050	20,050	0
82	COUNTERINTELLIGENCE/SECURITY COUNTER MEASURES	12,974	12,974	0
85	NIGHT VISION DEVICES	463	463	0
86	LONG RANGE ADVANCED SCOUT SURVEILLANCE SYSTEM	2,861	2,861	0
87	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	60	60	0
88	RADIATION MONITORING SYSTEMS Unjustified request	11	0 -11	-11
90	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	251,062	251,062	0
91	FAMILY OF WEAPON SIGHTS	525	525	0
94	JOINT BATTLE COMMAND - PLATFORM	26,146	26,146	0
96	MOD OF IN SVC EQUIP (LLDR)	4,050	4,050	0
97	COMPUTER BALLISTICS - LHMBC XM32	960	960	0
98	MORTAR FIRE CONTROL SYSTEMS	7,660	7,660	0
99	COUNTERFIRE RADARS Hardware unit cost growth	165,200	164,024 -1,176	-1,176
112	AUTOMATED DATA PROCESSING EQUIPMENT	28,475	28,475	0
121	PROTECTIVE SYSTEMS	27	27	0
122	FAMILY OF NON-LETHAL EQUIPMENT Acoustic hailing device systems unit cost discrepancy	20,200	19,494 -706	-706
123	BASE DEFENSE SYSTEMS	39,200	39,200	0
124	CBRN DEFENSE	2,317	2,317	0
129	GROUND STANDOFF MINE DETECTION SYSTEM	16,000	16,000	0

P-1	Budget Request	Committee Recommended	Change from Request
130 AREA MINE DETECTION SYSTEM	1	0	-1
Unjustified request		-1	
132 ROBOTIC COMBAT SUPPORT SYSTEM	4,850	4,850	0
136 REMOTE DEMOLITION SYSTEMS	1	0	-1
Unjustified request		-1	
139 HEATERS AND ECUS	270	270	0
141 PERSONNEL RECOVERY SUPPORT SYSTEM	4,300	4,300	0
142 GROUND SOLDIER SYSTEM	1,725	1,725	0
144 FORCE PROVIDER	55,800	55,800	0
145 FIELD FEEDING EQUIPMENT	1,035	1,035	0
146 CARGO AERIAL DELIVERY & PERSONNEL PARACHUTE SYSTEM	1,980	1,980	0
151 COMBAT SUPPORT MEDICAL	17,527	17,527	0
153 ITEMS LESS THAN $5M (MAINT)	268	268	0
159 HMEE	25,700	25,700	0
165 GENERATORS AND ASSOCIATED EQUIPMENT	569	569	0
174 INTEGRATED FAMILY OF TEST EQUIPMENT	9,495	9,495	0
176 M25 STABILIZED BINOCULAR	33	33	0
177 RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	18,000	18,000	0
178 PHYSICAL SECURITY SYSTEMS	6,000	6,000	0
179 BASE LEVEL COMMON EQUIPMENT	2,080	2,080	0
180 MODIFICATION OF IN SVC EQUIPMENT (OPA-3)	19,200	19,200	0
TOTAL, OTHER PROCUREMENT, ARMY	1,382,047	1,364,345	-17,702
AIRCRAFT PROCUREMENT, NAVY			
9 V-22	0	152,000	152,000
Program increase - two operational loss replacement aircraft		152,000	
27 STUASL0 UAV	35,065	35,065	0
32 SH-60 SERIES	4,858	4,858	0
34 EP-3 SERIES	5,380	5,380	0

P-1		Budget Request	Committee Recommended	Change from Request
44	SPECIAL PROJECT AIRCRAFT	2,165	2,165	0
49	COMMON ECM EQUIPMENT	9,820	9,820	0
51	COMMON DEFENSIVE WEAPON SYSTEM	3,206	3,206	0
61	QRC	2,410	2,410	0
63	RQ-21 SERIES	17,215	17,215	0
	TOTAL, AIRCRAFT PROCUREMENT, NAVY	80,119	232,119	152,000
	WEAPONS PROCUREMENT, NAVY			
4	AMRAAM	1,183	1,183	0
5	SIDEWINDER	381	381	0
12	HELLFIRE	1,530	1,530	0
15	AERIAL TARGETS	6,500	6,500	0
35	SMALL ARMS AND WEAPONS	1,540	1,540	0
38	GUN MOUNT MODS	3,000	3,000	0
	TOTAL, WEAPONS PROCUREMENT, NAVY	14,134	14,134	0
	PROCUREMENT OF AMMO, NAVY & MARINE CORPS			
1	GENERAL PURPOSE BOMBS	62,530	62,530	0
2	JDAM	93,019	93,019	0
3	AIRBORNE ROCKETS, ALL TYPES	2,163	2,163	0
4	MACHINE GUN AMMUNITION	5,000	5,000	0
6	CARTRIDGES AND CART ACTUATED DEVICES MK122 unit cost growth	5,334	4,805 -529	-529
7	AIR EXPENDABLE COUNTERMEASURES	36,580	36,580	0
8	JATOS	747	747	0
11	OTHER SHIP GUN AMMUNITION	2,538	2,538	0
13	PYROTECHNIC AND DEMOLITION	1,807	1,807	0
15	AMMUNITION LESS THAN $5 MILLION	2,229	2,229	0
19	MORTARS	2,018	2,018	0

P-1		Budget Request	Committee Recommended	Change from Request
21	DIRECT SUPPORT MUNITIONS	632	632	0
22	INFANTRY WEAPONS AMMUNITION	779	779	0
26	COMBAT SUPPORT MUNITIONS	164	164	0
29	ARTILLERY MUNITIONS	31,001	31,001	0
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS	246,541	246,012	-529
	OTHER PROCUREMENT, NAVY			
21	UNDERWATER EOD PROGRAMS	9,200	9,200	0
28	STANDARD BOATS	19,060	19,060	0
43	FIXED SURVEILLANCE SYSTEM	56,950	56,950	0
77	SATELLITE COMMUNICATIONS SYSTEMS	3,200	3,200	0
82	CRYPTOLOGIC COMMUNICATIONS EQUIPMENT	2,000	2,000	0
88	SONOBUOYS - ALL TYPES AN/SSQ-53 unit cost growth	21,156	19,243 -1,913	-1,913
104	EXPLOSIVE ORDNANCE DISPOSAL EQUIPMENT JCREW CUAS unit cost growth	33,580	30,580 -3,000	-3,000
108	PASSENGER CARRYING VEHICLES	170	170	0
109	GENERAL PURPOSE VEHICLES	400	400	0
111	FIRE FIGHTING EQUIPMENT	770	770	0
112	TACTICAL VEHICLES	7,298	7,298	0
118	FIRST DESTINATION TRANSPORTATION	500	500	0
123	MEDICAL SUPPORT EQUIPMENT	6,500	6,500	0
128	ENVIRONMENTAL SUPPORT EQUIPMENT	2,200	2,200	0
129	PHYSICAL SECURITY EQUIPMENT	19,389	19,389	0
999	CLASSIFIED PROGRAMS	4,800	4,800	0
	TOTAL, OTHER PROCUREMENT, NAVY	187,173	182,260	-4,913
	PROCUREMENT, MARINE CORPS			
22	FIRE SUPPORT SYSTEM	5,583	5,583	0

P-1		Budget Request	Committee Recommended	Change from Request
37	MOTOR TRANSPORT MODS	44,440	44,440	0
45	EOD SYSTEMS	8,000	8,000	0
	TOTAL, PROCUREMENT, MARINE CORPS	58,023	58,023	0
	AIRCRAFT PROCUREMENT, AIR FORCE			
6	HC-130J	100,000	100,000	0
17	MQ-9	339,740	265,700	-74,040
	Remove five aircraft for efficient production rate		-74,040	
18	RQ-20B PUMA	13,500	13,500	0
20	B-1B	4,000	4,000	0
21	B-52	0	21,400	21,400
	Program increase - urgent operational need		21,400	
22	LAIRCM	149,778	149,778	0
23	A-10	10,350	10,350	0
45	U-2 MODS	7,900	7,900	0
54	COMPASS CALL MODS	36,400	36,400	0
59	E-8	13,000	13,000	0
63	H-60	40,560	40,560	0
65	HC/MC-130 MODS	87,900	87,900	0
66	OTHER AIRCRAFT	53,731	53,731	0
68	MQ-9 UAS PAYLOADS	16,000	16,000	0
70	INITIAL SPARES/REPAIR PARTS	91,500	91,500	0
71	AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	32,529	32,529	0
72	OTHER PRODUCTION CHARGES	22,000	22,000	0
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE	1,018,888	966,248	-52,640
	MISSILE PROCUREMENT, AIR FORCE			
2	JASSM	61,600	61,600	0
5	AMRAAM	2,600	2,600	0
6	HELLFIRE	255,000	255,000	0

P-1		Budget Request	Committee Recommended	Change from Request
7	SMALL DIAMETER BOMB	140,724	140,724	0
11	AGM-65D MAVERICK	33,602	33,602	0
	TOTAL, MISSILE PROCUREMENT, AIR FORCE	493,526	493,526	0
	PROCUREMENT OF AMMUNITION, AIR FORCE			
2	CARTRIDGES	29,587	29,587	0
4	GENERAL PURPOSE BOMBS	551,862	551,862	0
6	JOINT DIRECT ATTACK MUNITION	738,451	738,451	0
15	FLARES	12,116	12,116	0
16	FUZES	81,000	81,000	0
17	SMALL ARMS	8,500	8,500	0
	TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE	1,421,516	1,421,516	0
	OTHER PROCUREMENT, AIR FORCE			
1	PASSENGER CARRYING VEHICLES	9,680	9,680	0
2	MEDIUM TACTICAL VEHICLES	9,680	9,680	0
4	CARGO AND UTILITY VEHICLES	19,680	19,680	0
5	JOINT LIGHT TACTICAL VEHICLE Transfer from line 6	0	17,484 17,484	17,484
6	SECURITY AND TACTICAL VEHICLES JLTV unit cost adjustment Transfer to line 5	24,880	128 -7,268 -17,484	-24,752
7	SPECIAL PURPOSE VEHICLES	34,680	34,680	0
8	FIRE FIGHTING/CRASH RESCUE VEHICLES	9,736	9,736	0
9	MATERIALS HANDLING VEHICLES	24,680	24,680	0
10	RUNWAY SNOW REMOVAL & CLEANING EQUIP	9,680	9,680	0
11	BASE MAINTENANCE SUPPORT VEHICLES	9,680	9,680	0
15	INTELLIGENCE COMM EQUIPMENT	6,156	6,156	0
16	AIR TRAFFIC CONTROL & LANDING SYSTEMS D-RAPCON cost growth	56,884	24,044 -32,840	-32,840

P-1		Budget Request	Committee Recommended	Change from Request
29	AIR FORCE PHYSICAL SECURITY SYSTEM	46,236	46,236	0
37	TBMC2 SYSTEM	2,500	0	-2,500
	ABGD - insufficient justification		-2,500	
45	TACTICAL C-E EQUIPMENT	27,911	27,911	0
51	PERSONAL SAFETY AND RESCUE EQUIPMENT	13,600	13,600	0
53	BASE PROCURED EQUIPMENT	28,800	28,800	0
54	ENGINEERING AND EOD EQUIPMENT	53,500	53,500	0
55	MOBILITY EQUIPMENT	78,562	78,562	0
56	BASE MAINTENANCE AND SUPPORT EQUIPMENT	28,055	28,055	0
59	DCGS-AF	2,000	2,000	
999	CLASSIFIED PROGRAMS	3,229,364	3,211,364	-18,000
	Classified adjustment		-18,000	
				0
	TOTAL, OTHER PROCUREMENT, AIR FORCE	3,725,944	3,665,336	-60,608
	PROCUREMENT, DEFENSE-WIDE			
8	TELEPORT PROGRAM	3,800	3,800	0
17	DEFENSE INFORMATION SYSTEMS NETWORK	12,000	12,000	0
25	COUNTER IED & IMPROVISED THREAT	5,534	5,534	0
999	CLASSIFIED PROGRAMS	41,559	41,559	0
47	MANNED ISR	5,000	5,000	0
48	MC-12	5,000	5,000	0
49	MH-60 BLACKHAWK	27,600	27,600	0
51	UNMANNED ISR	17,000	17,000	0
52	NON-STANDARD AVIATION	13,000	13,000	0
53	U-28	51,722	51,722	0
54	MH-47 CHINOOK	36,500	36,500	0
61	ORDNANCE ITEMS <$5M	100,850	100,850	0
62	INTELLIGENCE SYSTEMS	16,500	16,500	0
64	OTHER ITEMS <$5M	7,700	7,700	0

P-1		Budget Request	Committee Recommended	Change from Request
67	TACTICAL VEHICLES	59,891	59,891	0
68	WARRIOR SYSTEMS <$5M	21,135	21,135	0
69	COMBAT MISSION REQUIREMENTS	10,000	10,000	0
71	OPERATIONAL ENHANCEMENTS INTELLIGENCE	10,805	10,805	0
73	OPERATIONAL ENHANCEMENTS	126,539	126,539	0
	TOTAL, PROCUREMENT, DEFENSE-WIDE	572,135	572,135	0
	TOTAL PROCUREMENT	12,782,468	12,745,120	-37,348

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The Committee recommends an additional appropriation of $1,180,836,000 for Research, Development, Test and Evaluation. The Committee recommendation for each research, development, test and evaluation account is as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1		Budget Request	Committee Recommended	Change from Request
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY			
56	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	1,000	1,000	0
58	SMOKE, OBSCURANT, AND TARGET DEFEATING SYSTEM - ADVANCE DEVELOPMENT	1,500	0	-1,500
	CBRN unjustified request		-1,500	
61	SOLDIER SUPPORT AND SURVIVABILITY	3,000	3,000	0
76	M-SHORAD	23,000	0	-23,000
	Transfer to title IV		-23,000	
88	TRACTOR CAGE	12,000	12,000	0
100	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE - ENGINEERING DEVELOPMENT	119,300	119,300	0
122	TRACTOR TIRE	66,760	66,760	0
128	COMMON INFRARED COUNTERMEASURES	2,670	2,670	0
136	AIRCRAFT SURVIVABILITY DEVELOPMENT	34,933	34,933	0
147	TROJAN - RH12	1,200	1,200	0
184	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT	2,548	2,548	0
185	TRACTOR SMOKE	7,780	7,780	0
206	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT	2,000	2,000	0
209	INTEGRATED BASE DEFENSE	8,000	8,000	0
216	SECURITY AND INTELLIGENCE ACTIVITIES	23,199	23,199	0
226	AIRBORNE RECONNAISSANCE SYSTEMS	14,000	14,000	0
231	BIOMETRICS ENABLED INTELLIGENCE	2,214	2,214	0
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY	325,104	300,604	-24,500
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY			
41	RETRACT LARCH	18,000	18,000	0
61	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	13,900	13,900	0
74	LAND ATTACK TECHNOLOGY	1,400	1,400	0
149	SHIP SELF DEFENSE (DETECT & CONTROL)	1,100	1,100	0

R-1		Budget Request	Committee Recommended	Change from Request
236	MARINE CORPS COMMUNICATION SYSTEMS	16,130	16,130	0
999	CLASSIFIED PROGRAMS	117,282	117,282	0
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY	167,812	167,812	0
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE			
65	SPACE CONTROL TECHNOLOGY	1,100	1,100	0
70	OPERATIONALLY RESPONSIVE SPACE Insufficient justification	12,395	0 -12,395	-12,395
173	B-52 SQUADRONS Program increase - urgent operational need	0	34,000 34,000	34,000
186	MQ-9	4,500	4,500	0
187	JOINT COUNTER RCIED ELECTRONIC WARFARE	4,000	4,000	0
215	A-10 SQUADRONS	1,000	1,000	0
217	BACN	42,349	42,349	0
228	INTEL DATA APPLICATIONS	1,200	1,200	0
254	WEATHER SERVICE	3,000	3,000	0
268	U-2	22,100	22,100	0
272	DCGS	29,500	29,500	0
310	TENCAP	5,000	5,000	0
999	CLASSIFIED PROGRAMS Classified adjustment	188,127	154,127 -34,000	-34,000
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE	314,271	301,876	-12,395
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE			
24	COMBATING TERRORISM TECHNOLOGY SUPPORT	25,000	25,000	0
26	COUNTER IMPROVISED THREAT SIMULATION	13,648	13,648	0
94	COUNTER IMPROVISED THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING Unjustified growth	242,668	152,668 -90,000	-90,000
250	OPERATIONAL ENHANCEMENTS	3,632	3,632	0
251	WARRIOR SYSTEMS	11,040	11,040	0

R-1		Budget Request	Committee Recommended	Change from Request
253	UNMANNED ISR	11,700	11,700	0
254	SOF TACTICAL VEHICLES	725	725	0
999	CLASSIFIED PROGRAMS	192,131	192,131	0
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE	500,544	410,544	-90,000
	TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	1,307,731	1,180,836	-126,895

REVOLVING AND MANAGEMENT FUNDS

DEFENSE WORKING CAPITAL FUNDS

The Committee recommends an additional appropriation of $15,190,000 for the Defense Working Capital Funds accounts. The Committee recommendation is as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
WORKING CAPITAL FUND, ARMY	6,600	6,600	– – –
WORKING CAPITAL FUND, DEFENSE-WIDE	8,590	8,590	– – –
TOTAL, DEFENSE WORKING CAPITAL FUNDS	15,190	15,190	– – –

OTHER DEPARTMENT OF DEFENSE PROGRAMS

DEFENSE HEALTH PROGRAM

The Committee recommends an additional appropriation of $352,068,000 for the Defense Health Program. The Committee recommendation is as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
IN-HOUSE CARE	72,627	72,627	– – –
PRIVATE SECTOR CARE	277,066	277,066	– – –
CONSOLIDATED HEALTH SUPPORT	2,375	2,375	– – –
TOTAL, OPERATION AND MAINTENANCE	352,068	352,068	– – –

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

The Committee recommends an additional appropriation of $153,100,000 for Drug Interdiction and Counter-Drug Activities Defense.

OFFICE OF THE INSPECTOR GENERAL

The Committee recommends an additional appropriation of $24,692,000 for the Office of the Inspector General.

GENERAL PROVISIONS

Title IX of the accompanying bill includes 22 general provisions, many of which extend or modify war-related authorities included in previous Acts. A brief description of each provision follows:

Section 9001 has been amended and provides that funds made available in this title are in addition to funds appropriated or otherwise made available for the Department of Defense for the current fiscal year.

Section 9002 provides for general transfer authority within title IX.

Section 9003 has been amended and provides that supervision and administration costs associated with a construction project funded with appropriations available for operation and maintenance, Afghanistan Infrastructure Fund, or the Afghanistan Security Forces Fund may be obligated at the time a construction contract is awarded.

Section 9004 provides for the procurement of passenger motor vehicles and heavy and light armored vehicles for use by military and civilian employees of the Department of Defense in the United States Central Command area.

Section 9005 has been amended and provides funding for the Commanders' Emergency Response Program, with certain limitations.

Section 9006 provides lift and sustainment to coalition forces supporting military and stability operations in Iraq and Afghanistan.

Section 9007 prohibits the establishment of permanent bases in Iraq or Afghanistan or United States control over Iraq oil resources.

Section 9008 prohibits the use of funding in contravention of the United Nations Convention Against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment.

Section 9009 limits the obligation of funding for the Afghanistan Security Forces Fund until certain conditions have been met.

Section 9010 provides for the purchase of items of a particular investment unit cost from funding made available for operation and maintenance.

Section 9011 provides security assistance to the Government of Jordan.

Section 9012 prohibits the use of funds to procure or transfer man-portable air defense systems.

Section 9013 has been amended and provides assistance and sustainment to the military and national security forces of Ukraine.

Section 9014 provides replacement funds for items provided to the Government of Ukraine from the inventory of the United States.

Section 9015 has been amended and prohibits the use of funds to procure or transfer man-portable air defense systems to Ukraine.

Section 9016 restricts funds provided in Operation and Maintenance, Defense-Wide for payments under Coalition Support Funds for reimbursement to the Government of Pakistan until certain conditions are met.

Section 9017 provides funds to the Department of Defense to improve intelligence, surveillance, and reconnaissance capabilities.

Section 9018 prohibits the use of funds with respect to Syria in contravention of the War Powers Resolution.

Section 9019 places restrictions on the transfer of additional C–130 cargo aircraft to the Afghanistan National Security Forces or Afghanistan Air Force.

Section 9020 has been amended and provides for the rescission of $377,216,000 from the following programs:

2017 Appropriations:	
Procurement of Ammunition, Navy and Marine Corps:	
Ammunition less than $5 million	$2,216,000
2018 Appropriations:	
Counter-ISIS Train and Equip Fund:	
Counter-ISIS Train and Equip Fund	25,000,000
Coalition Support Fund:	
Coalition Support Fund	350,000,000

Section 9021 requires the Secretary of Defense to certify the use of funds in the Afghanistan Security Forces Fund under certain conditions.

Section 9022 is new and requires the President to designate Overseas Contingency Operation/Global War on Terrorism funds.

TITLE X

ADDITIONAL GENERAL PROVISIONS

Title X of the accompanying bill includes the following general provision:

Section 10001 is new and provides no funding for the Spending Reduction Account.

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
TITLE I					
MILITARY PERSONNEL					
Military Personnel, Army	41,628,855	43,670,542	43,093,752	+1,464,897	-576,790
Military Personnel, Navy	28,772,118	30,426,211	30,254,211	+1,482,093	-172,000
Military Personnel, Marine Corps	13,231,114	13,890,968	13,770,968	+539,854	-120,000
Military Personnel, Air Force	28,790,440	30,526,011	30,357,311	+1,566,871	-168,700
Reserve Personnel, Army	4,715,608	4,955,947	4,848,947	+133,339	-107,000
Reserve Personnel, Navy	1,988,362	2,067,521	2,055,221	+66,859	-12,300
Reserve Personnel, Marine Corps	764,903	788,090	777,390	+12,487	-10,700
Reserve Personnel, Air Force	1,802,554	1,894,286	1,853,526	+50,972	-40,760
National Guard Personnel, Army	8,264,626	8,744,345	8,589,785	+325,159	-154,560
National Guard Personnel, Air Force	3,408,817	3,725,380	3,707,240	+298,423	-18,140
Total, Title I, Military Personnel	133,367,397	140,689,301	139,308,351	+5,940,954	-1,380,950
Total, Tricare Accrual payments (permanent, indefinite authority)	8,145,000	7,533,090	7,533,090	-611,910	---
Total, Military Personnel	141,512,397	148,222,391	146,841,441	+5,329,044	-1,380,950

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
TITLE II					
OPERATION AND MAINTENANCE					
Operation and Maintenance, Army	38,816,957	42,009,317	41,334,782	+2,517,825	-674,535
Operation and Maintenance, Navy	45,384,353	49,003,633	48,963,337	+3,578,984	-40,296
Operation and Maintenance, Marine Corps	6,605,546	6,832,510	6,824,269	+218,723	-8,241
Operation and Maintenance, Air Force	39,544,193	42,060,568	41,465,107	+1,920,914	-595,461
Operation and Maintenance, Defense-Wide	34,059,257	36,352,625	35,676,402	+1,617,145	-676,223
Operation and Maintenance, Army Reserve	2,877,104	2,916,909	2,877,402	+298	-39,507
Operation and Maintenance, Navy Reserve	1,069,707	1,027,006	1,019,966	-49,741	-7,040
Operation and Maintenance, Marine Corps Reserve	284,837	271,570	281,570	-3,267	+10,000
Operation and Maintenance, Air Force Reserve	3,202,307	3,260,234	3,212,234	+9,927	-48,000
Operation and Maintenance, Army National Guard	7,284,170	7,399,295	7,329,771	+45,601	-69,524
Operation and Maintenance, Air National Guard	6,900,798	6,427,622	6,438,162	-462,636	+10,540
United States Court of Appeals for the Armed Forces	14,538	14,662	14,662	+124	---
Environmental Restoration, Army	235,809	203,449	235,809	---	+32,360
Environmental Restoration, Navy	365,883	329,253	365,883	---	+36,630
Environmental Restoration, Air Force	352,549	296,808	376,808	+24,259	+80,000
Environmental Restoration, Defense-Wide	19,002	8,926	19,002	---	+10,076
Environmental Restoration, Formerly Used Defense Sites	248,673	212,346	248,673	---	+36,327
Overseas Humanitarian, Disaster, and Civic Aid	129,900	107,663	117,663	-12,237	+10,000

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Cooperative Threat Reduction Account	350,000	335,240	350,240	+240	+15,000
Department of Defense Acquisition Workforce Development Fund	500,000	400,000	400,000	-100,000	---
Total, Title II, Operation and maintenance	188,245,583	199,469,636	197,551,742	+9,306,159	-1,917,894
TITLE III					
PROCUREMENT					
Aircraft Procurement, Army	5,535,794	3,782,558	4,103,942	-1,431,852	+321,384
Missile Procurement, Army	3,196,910	3,355,777	3,074,502	-122,408	-281,275
Procurement of Weapons and Tracked Combat Vehicles, Army	4,391,573	4,489,118	4,590,205	+198,632	+101,087
Procurement of Ammunition, Army	2,548,740	2,234,761	2,255,323	-293,417	+20,562
Other Procurement, Army	8,298,418	7,999,529	7,683,632	-614,786	-315,897
Aircraft Procurement, Navy	19,957,380	19,041,799	20,107,195	+149,815	+1,065,396
Weapons Procurement, Navy	3,510,590	3,702,393	3,555,587	+44,997	-146,806
Procurement of Ammunition, Navy and Marine Corps	804,335	1,006,209	973,556	+169,221	-32,653
Shipbuilding and Conversion, Navy	23,824,738	21,871,437	22,708,767	-1,115,971	+837,330
Other Procurement, Navy	7,941,018	9,414,355	9,093,835	+1,152,817	-320,520
Procurement, Marine Corps	1,942,737	2,860,410	2,647,569	+704,832	-212,841
Aircraft Procurement, Air Force	18,504,556	16,206,937	17,118,921	-1,385,635	+911,984

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Missile Procurement, Air Force	2,207,747	2,669,454	2,591,982	+384,235	-77,472
Space Procurement, Air Force	3,552,175	2,527,542	2,388,642	-1,163,533	-138,900
Procurement of Ammunition, Air Force	1,651,977	1,587,304	1,468,992	-182,985	-118,312
Other Procurement, Air Force	20,503,273	20,890,164	20,597,574	+94,301	-292,590
Procurement, Defense-Wide	5,429,270	6,786,271	6,711,225	+1,281,955	-75,046
National Guard and Reserve Equipment	---	---	1,300,000	+1,300,000	+1,300,000
Defense Production Act Purchases	67,401	38,578	68,578	+1,177	+30,000
Joint Urgent Operational Needs Fund	---	100,025	---	---	-100,025
Total, Title III, Procurement	133,868,632	130,564,621	133,040,027	-828,605	+2,475,406
TITLE IV					
RESEARCH, DEVELOPMENT, TEST AND EVALUATION					
Research, Development, Test and Evaluation, Army	10,647,426	10,159,379	10,108,108	-539,318	-51,271
Research, Development, Test and Evaluation, Navy	18,010,754	18,481,666	17,658,244	-352,510	-823,422
Research, Development, Test and Evaluation, Air Force	37,428,078	40,178,343	40,939,500	+3,511,422	+761,157
Research, Development, Test and Evaluation, Defense-Wide	22,010,975	22,016,553	22,291,423	+280,448	+274,870
Operational Test and Evaluation, Defense	210,900	221,009	221,009	+10,109	---
Total, Title IV, Research, Development, Test and Evaluation	88,308,133	91,056,950	91,218,284	+2,910,151	+161,334

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
TITLE V					
REVOLVING AND MANAGEMENT FUNDS					
Defense Working Capital Funds	1,685,596	1,542,115	1,542,115	-143,481	---
Total, Title V, Revolving and Management Funds	1,685,596	1,542,115	1,542,115	-143,481	---
TITLE VI					
OTHER DEPARTMENT OF DEFENSE PROGRAMS					
Defense Health Program					
Operation and maintenance	31,521,850	32,145,395	31,758,947	+237,097	-386,448
Procurement	867,002	873,160	844,834	-22,168	-28,326
Research, development, test and evaluation	2,039,315	710,637	1,443,237	-596,078	+732,600
Total, Defense Health Program 1/	34,428,167	33,729,192	34,047,018	-381,149	+317,826

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Chemical Agents and Munitions Destruction, Defense:					
Operation and maintenance	104,237	105,997	105,997	+1,760	---
Procurement	18,081	1,091	1,091	-16,990	---
Research, development, test and evaluation	839,414	886,728	886,728	+47,314	---
Total, Chemical Agents 2/	961,732	993,816	993,816	+32,084	---
Drug Interdiction and Counter-Drug Activities, Defense1/	934,814	787,525	854,814	-80,000	+67,289
Office of the Inspector General 1/	321,887	329,273	329,273	+7,386	---
Total, Title VI, Other Department of Defense Programs	36,646,600	35,839,806	36,224,921	-421,679	+385,115
TITLE VII					
RELATED AGENCIES					
Central Intelligence Agency Retirement and Disability System Fund	514,000	514,000	514,000	---	---
Intelligence Community Management Account (ICMA)	537,600	539,124	512,424	-25,176	-26,700
Total, Title VII, Related agencies	1,051,600	1,053,124	1,026,424	-25,176	-26,700

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
TITLE VIII					
GENERAL PROVISIONS					
Additional transfer authority (Sec.8005)	(4,250,000)	(5,000,000)	(4,250,000)	---	(-750,000)
FFRDC (Sec.8023)	-131,000	---	-179,000	-48,000	-179,000
Rescissions (Sec.8039)	-942,242	---	-492,954	+449,288	-492,954
National grants (Sec.8045)	44,000	---	44,000	---	+44,000
Shipbuilding and conversion, Navy Judgment Fund	---	5,000	---	---	-5,000
O&M, Defense-wide transfer authority (Sec.8049)	(30,000)	(30,000)	(30,000)	---	---
John C. Stennis Center for Public Service Development Trust Fund (O&M, Navy transfer authority)	(1,000)	---	---	(-1,000)	---
Fisher House Foundation (Sec.8063)	10,000	---	5,000	-5,000	+5,000
Revised economic assumptions (Sec.8071)	-4,000	---	-5,000	-1,000	-5,000
Fisher House O&M Army Navy Air Force transfer authority (Sec.8086)	(11,000)	(11,000)	(11,000)	---	---
Defense Health O&M transfer authority (Sec.8090)	(115,519)	(113,000)	(113,000)	(-2,519)	---
Revised fuel costs (Sec.8111)	-110,780	---	-5,000	+105,780	-5,000
Operation and Maintenance, Defense-Wide (Department of the Interior Compact Review Agreement)	---	110,800	---	---	-110,800
Public Schools on Military Installations (Sec.8118)	235,000	---	270,000	+35,000	+270,000
Working Capital Fund, Army excess cash balances (Sec.8122)	---	---	-50,000	-50,000	-50,000

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Working Capital Fund, Navy excess cash balances (Sec.8123)	---	---	-50,000	-50,000	-50,000
Total, Title VIII, General Provisions	-899,022	115,800	-462,954	+436,068	-578,754
TITLE IX					
OVERSEAS CONTINGENCY OPERATIONS/GLOBAL WAR ON TERRORISM (GWOT)					
Military Personnel					
Military Personnel, Army (GWOT)	2,683,694	2,929,154	2,929,154	+245,460	---
Military Personnel, Navy (GWOT)	377,857	385,461	385,461	+7,604	---
Military Personnel, Marine Corps (GWOT)	103,979	109,232	109,232	+5,253	---
Military Personnel, Air Force (GWOT)	914,119	964,508	964,508	+50,389	---
Reserve Personnel, Army (GWOT)	24,942	37,007	37,007	+12,065	---
Reserve Personnel, Navy (GWOT)	9,091	11,100	11,100	+2,009	---
Reserve Personnel, Marine Corps (GWOT)	2,328	2,380	2,380	+52	---
Reserve Personnel, Air Force (GWOT)	20,569	21,076	21,076	+507	---
National Guard Personnel, Army (GWOT)	184,589	195,283	195,283	+10,694	---
National Guard Personnel, Air Force (GWOT)	5,004	5,460	5,460	+456	---
Total, Military Personnel (OCO/GWOT)	4,326,172	4,660,661	4,660,661	+334,489	---

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Operation and Maintenance					
Operation & Maintenance, Army (GWOT)	17,352,994	18,210,500	18,125,500	+772,506	-85,000
Operation & Maintenance, Navy (GWOT)	6,449,404	4,757,155	4,757,155	-1,692,249	---
(Coast Guard) (by transfer) (GWOT)	---	(165,000)	(165,000)	(+165,000)	---
Operation & Maintenance, Marine Corps (GWOT)	1,401,536	1,121,900	1,121,900	-279,636	---
Operation & Maintenance, Air Force (GWOT)	10,873,895	9,285,789	9,258,674	-1,615,221	-27,115
Operation & Maintenance, Defense-Wide (GWOT)	7,575,195	8,549,908	8,183,902	+608,707	-366,006
(Coalition support funds) (GWOT)	---	---	(900,000)	(+900,000)	(+900,000)
Operation & Maintenance, Army Reserve (GWOT)	24,699	41,887	41,887	+17,188	---
Operation & Maintenance, Navy Reserve (GWOT)	23,980	25,637	25,637	+1,657	---
Operation & Maintenance, Marine Corps Reserve (GWOT)	3,367	3,345	3,345	-22	---
Operation & Maintenance, Air Force Reserve (GWOT)	53,523	60,500	60,500	+6,977	---
Operation & Maintenance, Army National Guard (GWOT)	108,111	110,729	110,729	+2,618	---
Operation & Maintenance, Air National Guard (GWOT)	15,400	15,870	15,870	+470	---
Subtotal, Operation and Maintenance	43,882,104	42,183,220	41,705,099	-2,177,005	-478,121
Afghanistan Security Forces Fund (GWOT)	4,666,815	5,199,450	5,199,450	+532,635	---
Counter-ISIL Train and Equip Fund (GWOT)	1,769,000	1,400,000	1,400,000	-369,000	---
Total, Operation and Maintenance (OCO/GWOT)	50,317,919	48,782,670	48,304,549	-2,013,370	-478,121

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Procurement					
Aircraft Procurement, Army (GWOT)	420,086	363,363	347,563	-72,523	-15,800
Missile Procurement, Army (GWOT)	709,283	1,802,351	1,770,270	+1,060,987	-32,081
Procurement of Weapons and Tracked Combat Vehicles, Army (GWOT)	1,191,139	1,107,183	1,102,108	-89,031	-5,075
Procurement of Ammunition, Army (GWOT)	191,836	309,525	309,525	+117,689	---
Other Procurement, Army (GWOT)	405,575	1,382,047	1,364,345	+958,770	-17,702
Aircraft Procurement, Navy (GWOT)	157,300	80,119	232,119	+74,819	+152,000
Weapons Procurement, Navy (GWOT)	130,994	14,134	14,134	-116,860	---
Procurement of Ammunition, Navy and Marine Corps (GWOT)	233,406	246,541	246,012	+12,606	-529
Other Procurement, Navy (GWOT)	239,359	187,173	182,260	-57,099	-4,913
Procurement, Marine Corps (GWOT)	64,307	58,023	58,023	-6,284	---
Aircraft Procurement, Air Force (GWOT)	503,938	1,018,888	966,248	+462,310	-52,640
Missile Procurement, Air Force (GWOT)	481,700	493,526	493,526	+11,826	---
Space Procurement, Air Force (GWOT)	2,256	---	---	-2,256	---
Procurement of Ammunition, Air Force (GWOT)	551,509	1,421,516	1,421,516	+870,007	---
Other Procurement, Air Force (GWOT)	3,324,590	3,725,944	3,665,336	+340,746	-60,608
Procurement, Defense-Wide (GWOT)	517,041	572,135	572,135	+55,094	---
National Guard and Reserve Equipment (GWOT)	1,300,000	---	---	-1,300,000	---
Total, Procurement (OCO/GWOT)	10,424,319	12,782,468	12,745,120	+2,320,801	-37,348

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Research, Development, Test and Evaluation					
Research, Development, Test & Evaluation, Army (GWOT)...	235,368	325,104	300,604	+65,236	-24,500
Research, Development, Test & Evaluation, Navy (GWOT) ..	167,565	167,812	167,812	+247	---
Research, Development, Test & Evaluation, Air Force (GWOT).....	129,608	314,271	301,876	+172,268	-12,395
Research, Development, Test and Evaluation, Defense-Wide (GWOT).....	394,396	500,544	410,544	+16,148	-90,000
Research, Development, Test and Evaluation, Total, Research, Development, Test and Evaluation (OCO/GWOT).....	926,937	1,307,731	1,180,836	+253,899	-126,895
Revolving and Management Funds					
Defense Working Capital Funds (GWOT).....	148,956	15,190	15,190	-133,766	---

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Other Department of Defense Programs					
Defense Health Program:					
Operation & Maintenance (GWOT)	395,805	352,068	352,068	-43,737	---
Drug Interdiction and Counter-Drug Activities, Defense (GWOT)	196,300	153,100	153,100	-43,200	---
Office of the Inspector General (GWOT)	24,692	24,692	24,692	---	---
Total, Other Department of Defense Programs (OCO/GWOT)	616,797	529,860	529,860	-86,937	---
TITLE IX General Provisions					
Additional transfer authority (GWOT) (Sec.9002)	(2,250,000)	(4,500,000)	(2,250,000)	---	(-2,250,000)
Ukraine Security Assistance Initiative (GWOT) (Sec.9013)	200,000	---	250,000	+50,000	+250,000
Intelligence, Surveillance, and Reconnaissance (GWOT) (Sec.9017)	770,000	---	770,000	---	+770,000
Rescissions (GWOT) (Sec.9020)	-2,565,100	---	-377,216	+2,187,884	-377,216
Total, General Provisions	-1,595,100	---	642,784	+2,237,884	+642,784
Grand Total, Title IX (OCO/GWOT)	65,166,000	68,078,580	68,079,000	+2,913,000	+420

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
OTHER APPROPRIATIONS					
DEPARTMENT OF DEFENSE MISSILE DEFEAT AND					
DEFENSE ENHANCEMENTS APPROPRIATIONS ACT, 2018					
Operation and Maintenance					
Operation and Maintenance, Navy (emergency)	673,500	---	---	-673,500	---
Operation and Maintenance, Air Force (emergency)	18,750	---	---	-18,750	---
Operation and Maintenance, Defense-Wide (emergency)	23,735	---	---	-23,735	---
Total, Title II, Operation and maintenance (emergency)	715,985	---	---	-715,985	---
Procurement					
Missile Procurement, Army (emergency)	884,000	---	---	-884,000	---
Missile Procurement, Air Force (emergency)	12,000	---	---	-12,000	---
Other Procurement, Air Force (emergency)	288,055	---	---	-288,055	---
Procurement, Defense-Wide (emergency)	1,239,140	---	---	-1,239,140	---
Total, Title III, Procurement (emergency)	2,423,195	---	---	-2,423,195	---

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Research, Development, Test and Evaluation					
Research, Development, Test and Evaluation, Army (emergency)	20,700	---	---	-20,700	---
Research, Development, Test and Evaluation, Navy (emergency)	60,000	---	---	-60,000	---
Research, Development, Test and Evaluation, Air Force (emergency)	255,744	---	---	-255,744	---
Research, Development, Test and Evaluation, Defense-Wide (emergency)	1,010,220	---	---	-1,010,220	---
Total, Title IV, Research, Development, Test and Evaluation (emergency)	1,346,664	---	---	-1,346,664	---
Total, FY 2018 Missile Defeat and Defense Enhancements (emergency) (PL 115-96)	4,485,844	---	---	-4,485,844	---

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
FURTHER ADDITIONAL SUPPLEMENTAL APPROPRIATIONS FOR DISASTER RELIEF REQUIREMENTS ACT, 2018					
DEPARTMENT OF DEFENSE--MILITARY PROGRAMS					
OPERATION AND MAINTENANCE					
Operation and Maintenance, Army (emergency).....	20,110	---	---	-20,110	---
Operation and Maintenance, Navy (emergency).....	267,796	---	---	-267,796	---
Operation and Maintenance, Marine Corps (emergency).....	17,920	---	---	-17,920	---
Operation and Maintenance, Air Force (emergency).....	20,916	---	---	-20,916	---
Operation and Maintenance, Defense-Wide (emergency).....	2,650	---	---	-2,650	---
Operation and Maintenance, Army Reserve (emergency).....	12,500	---	---	-12,500	---
Operation and Maintenance, Navy Reserve (emergency).....	2,922	---	---	-2,922	---
Operation and Maintenance, Air Force Reserve (emergency)	5,770	---	---	-5,770	---
Operation and Maintenance, Army National Guard (emergency).....	55,471	---	---	-55,471	---
Total, Operation and Maintenance (emergency).....	406,055	---	---	-406,055	---

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
PROCUREMENT					
Other Procurement, Navy (emergency)	18,000	---	---	-18,000	---
REVOLVING AND MANAGEMENT FUNDS					
Defense Working Capital Funds (emergency)	9,486	---	---	-9,486	---
OTHER DEPARTMENT OF DEFENSE PROGRAMS					
Defense Health Program: Operation & Maintenance (emergency)	704	---	---	-704	---
Total, FY 2018 Department of Defense (emergency) (PL 115-123, DivB, Subdivision1, Title III)	434,245	---	---	-434,245	---
Total, Other Appropriations	4,920,089	---	---	-4,920,089	---

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
Grand Total, Bill	652,360,608	668,409,933	667,527,910	+15,167,302	-882,023
Appropriations	(583,216,761)	(600,331,353)	(599,941,864)	(+16,725,103)	(-389,489)
Emergency appropriations	(4,920,089)	---	---	(-4,920,089)	---
Global War on Terrorism (GWOT)	(67,731,100)	(68,078,580)	(68,456,216)	(+725,116)	(+377,636)
Rescissions	(-942,242)	---	(-492,954)	(+449,288)	(-492,954)
Rescissions (GWOT)	(-2,565,100)	---	(-377,216)	(+2,187,884)	(-377,216)
(Transfer Authority)	4,407,519	5,154,000	4,404,000	-3,519	-750,000
(Transfer Authority) (GWOT)	2,250,000	4,500,000	2,250,000	---	-2,250,000

CONGRESSIONAL BUDGET RECAP

Scorekeeping adjustments:					
Lease of defense real property (permanent) (CBO estimate)	38,000	36,000	36,000	-2,000	---
Disposal of defense real property (permanent) (CBO estimate)	8,000	8,000	8,000	---	---
DHP, O&M to DOD-VA Joint Incentive Fund (permanent):					
Defense function	-15,000	-15,000	-15,000	---	---
Non-defense function	15,000	15,000	15,000	---	---

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
DHP, O&M to Joint DOD-VA Medical Facility Demonstration Fund (Sec.8090):					
Defense function	-115,519	-113,000	-113,000	+2,519	---
Non-defense function	115,519	113,000	113,000	-2,519	---
O&M, Defense-wide transfer to Department of the Interior:					
Defense function	---	-110,800	---	---	+110,800
Non-defense function	---	110,800	---	---	-110,800
Navy transfer to John C. Stennis Center for Public Service Development Trust Fund:					
Defense function	-1,000	---	---	+1,000	---
Non-defense function	1,000	---	---	-1,000	---
Tricare accrual (permanent, indefinite authority) 3/	8,145,000	7,533,090	7,533,090	-611,910	---
DOD Acquisition Workforce Development Fund transfer proviso	-500,000	---	---	+500,000	---
Total, scorekeeping adjustments	2,770,911	7,577,090	7,577,090	+4,806,179	---

COMPARATIVE STATEMENT OF NEW BUDGET AUTHORITY FOR 2018 AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2019
(Amounts in Thousands)

	FY 2018 Enacted	FY 2019 Request	Bill	Bill vs. Enacted	Bill vs. Request
RECAPITULATION					
Title I - Military Personnel	133,367,397	140,689,301	139,308,351	+5,940,954	-1,380,950
Title II - Operation and Maintenance	188,245,583	199,469,636	197,551,742	+9,306,159	-1,917,894
Title III - Procurement	133,868,632	130,564,621	133,040,027	-828,605	+2,475,406
Title IV - Research, Development, Test and Evaluation	88,308,133	91,056,950	91,218,284	+2,910,151	+161,334
Title V - Revolving and Management Funds	1,685,596	1,542,115	1,542,115	-143,481	---
Title VI - Other Department of Defense Programs	36,646,600	35,839,806	36,224,921	-421,679	+385,115
Title VII - Related Agencies	1,051,600	1,053,124	1,026,424	-25,176	-26,700
Title VIII - General Provisions (net)	-899,022	115,800	-462,954	+436,068	-578,754
Title IX - Global War on Terrorism (GWOT)	65,166,000	68,078,580	68,079,000	+2,913,000	+420
Total, Department of Defense	647,440,519	668,409,933	667,527,910	+20,087,391	-882,023
Other appropriations	4,920,089	---	---	-4,920,089	---
Scorekeeping adjustments	2,770,911	7,577,090	7,577,090	+4,806,179	---
Total mandatory and discretionary	655,131,519	675,987,023	675,105,000	+19,973,481	-882,023

1/ Included in Budget under Operation and Maintenance
2/ Included in Budget under Procurement
3/ Contributions to Department of Defense
Medicare-Eligible Retiree Health Care Fund
(Sec. 725, P.L. 108-375)