

DEPARTMENT OF DEFENSE APPROPRIATIONS BILL, 2021

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XXX, 2020.—Committed to the Committee of the Whole House on the State of the Union and ordered to be printed

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Mr. VISCLOSKY of Indiana, 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, 2021.

BILL TOTALS

Appropriations for most military functions of the Department of Defense are provided for in the accompanying bill for fiscal year 2021. 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 2021 budget request for activities funded in the Department of Defense Appropriations Act totals \$698,320,572,000 in new budget obligational authority.

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
RECAPITULATION					
Title I - Military Personnel.....	142,446,067	150,524,104	149,355,652	+6,909,585	-1,168,452
Title II - Operation and Maintenance.....	199,415,415	196,630,496	196,703,001	-2,712,414	+72,505
Title III - Procurement.....	133,879,995	130,866,091	133,633,757	-246,238	+2,767,666
Title IV - Research, Development, Test and Evaluation.	104,431,232	106,224,793	104,348,089	-83,143	-1,876,704
Title V - Revolving and Management Funds.....	1,564,211	1,348,910	1,348,910	-215,301	---
Title VI - Other Department of Defense Programs.....	36,316,176	34,720,940	35,321,321	-994,855	+600,381
Title VII - Related Agencies.....	1,070,000	1,177,000	1,133,728	+63,728	-43,272
Title VIII - General Provisions (net).....	-3,803,211	276,000	-3,556,766	+246,445	-3,832,766
Title IX - Global War on Terrorism (GWOT).....	70,665,000	68,650,238	68,435,000	-2,230,000	-215,238
Total, Department of Defense.....	698,341,963	690,418,572	686,722,692	-11,619,271	-3,695,880
Scorekeeping adjustments.....	7,658,815	8,416,000	8,416,000	+557,185	---
Total, mandatory and discretionary.....	706,000,778	698,834,572	695,138,692	-11,062,086	-3,695,880

## COMMITTEE BUDGET REVIEW PROCESS

During its review of the fiscal year 2021 budget request and execution of appropriations for fiscal year 2020, the Subcommittee on Defense held ten hearings and one formal briefing during the period of February 2020 to March 2020. 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 2021 Department of Defense funding is \$694,624,692,000, which is an increase of \$1,294,992,000 above the fiscal year 2020 enacted level and a decrease of \$3,695,880,000 below the budget request. The recommendation includes \$626,189,692,000 in base funding and \$68,435,000,000 for overseas contingency operations/global war on terrorism funding in title IX.

With this bill, the Committee has carried out its constitutional responsibility to recommend the appropriations necessary to provide for the common defense of the Nation. The Committee performed its role in a collegial and bipartisan fashion consistent with long-standing traditions.

Oversight of the management and expenditure of the \$694,624,692,000 provided to the Department of Defense and the Intelligence Community is a core function of the Defense Subcommittee. The Subcommittee performed this responsibility with a detailed review of the fiscal year 2021 budget request and, prior to the ongoing public health crisis, held ten hearings with defense and intelligence community witnesses to evaluate the budget request.

While the Subcommittee was forced to truncate its hearing schedule, it has thoroughly reviewed the budget request and identified programs where reductions are possible without adversely affecting the safety and effectiveness of military personnel. Examples of such reductions include programs that have been 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, and rescissions of unneeded prior year funds.

The fiscal year 2021 request for the Department of Defense increases funding for modernization, continuing the effort to reorient the focus of the Department from counterterrorism to preparing for a war with a technologically advanced and well-equipped peer or near-peer military. The Committee recommendation provides the resources to maintain the technological advantage which currently exists for the United States and provides funding in areas to further these efforts. However, the Committee recommendation also reflects the importance of the people who may fight these new battles and continue prosecuting existing missions.

The Committee recommendation includes funding for the three percent military pay raise. In the fiscal year 2020 request, the Committee was concerned by the reduction of funding in quality of life areas such as such as childcare, and ultimately increased funding for these programs in the enacted legislation. Once again, the

budget request proposes reductions in funding for childcare, as well as reductions in funding for teacher-student ratios for the Department of Defense Education Agency. The Committee is dismayed by the contradiction of the Department rhetorically supporting military families while continuing to reduce funding for the very programs on which they rely. Within the immense budget of the Department, quality of life programs must not be the bill payers for modernization.

Unfortunately, the cuts to quality of life programs are only one example of the Department's mismatch between its stated priorities and its fiscal actions. Another example is the continued use of defense funding to pay for the border wall. Two days after the Administration's release of the budget request for fiscal year 2021, the Secretary of Defense directed the reprogramming of \$3,831,000,000 of fiscal year 2020 funds for the purpose of border wall construction. Neither fiscal year 2019 nor 2020 included requests from the Department of Defense for these activities. These funds, which were explicitly appropriated by Congress for the procurement of equipment for the Department of Defense, were redirected for the construction of additional physical barriers and roads along the southern border of the United States. In 2019, the amount transferred from the original appropriated Department of Defense funding accounts to the Army Corps of Engineers was \$6,100,000,000. Due to what has become an annual occurrence for the Department to transfer funding and circumvent its use for purposes other than what the funding was appropriated for, the Committee's skepticism about the Defense budget has grown. Department leadership has claimed that three to five percent annual real growth in the defense budget is necessary to support the National Defense Strategy while transferring nearly \$10,000,000,000 for non-defense activities not enumerated within the National Defense Strategy. The Committee condemns these decisions, as well as repeated requests for more flexibility within the budget structure and reprogramming authorities to increase the ability of the Department of Defense to realign funding among different activities, with or without seeking prior congressional approval. The granting of additional budget flexibility to the Department is based on the presumption that a state of trust and comity exists between the legislative and executive branches regarding the proper use of appropriated funds. This presumption presently is false.

In a continuing effort to circumvent the budget caps in the Budget Control Act, the Overseas Contingency Operations (OCO) request for fiscal year 2021 once again includes a total of \$16,000,000,000 for base activities. The budget caps and firewall between defense and non-defense funding will cease to exist in fiscal year 2022. The Department recognizes this impending budget construct in its future years defense program with \$20,000,000,000 projected in OCO budgets for fiscal years 2022 and 2023 and \$10,000,000,000 for fiscal years 2024 and 2025. With the possibility of significantly fewer deployed American servicemembers in Afghanistan combined with more training exercises and less contingencies, activities funded in the past by OCO could very well be supported within base accounts in the future. For these reasons, the Committee believes that the Department should cease requesting funding for the OCO accounts following this fiscal year. The



traditional manner of funding contingency operations through supplementals should return. The OCO experiment has been an abject failure and has given the Department a budgetary relief valve that has allowed it to avoid making difficult decisions.

Finally, the Committee recommendation expresses concerns with various pilot programs, programs of record, the radical restructuring of military health care, and the lack of budget transparency. The lateness of reports directed by the Committee has become more common in fiscal year 2020 and reinforces the dismissive attitude toward oversight exhibited by the Department. The Department has repeatedly approached the expenditure of funding without regard to congressional intent or the purpose for which funding has been appropriated. Increasingly, the Department is moving away from a partnership with the Committee in providing for the common defense. The Department of Defense has benefitted from large budget increases since fiscal year 2017, and this budgetary growth has been accompanied by a decline in transparency and cooperation with Congress. When coupled with the Department's disturbing actions over the past two years to fund the border wall, the contravention of the constitutional authority of the United States Congress has now become habitual. The Committee finds this to be both unacceptable and unsustainable.

#### 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, 2021, 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 2022, 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 2022.

#### REPROGRAMMING GUIDANCE FOR BASE AND OVERSEAS CONTINGENCY OPERATIONS FUNDING

The Secretary of Defense is directed to continue to follow the reprogramming guidance for acquisition accounts as specified in the report accompanying the House version of the Department of Defense Appropriations bill for Fiscal Year 2008 (House Report 110-

279). The dollar threshold for reprogramming funds shall be \$10,000,000 for military personnel; operation and maintenance; procurement; and research, development, test and evaluation.

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

#### 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.

#### DESIGNATED CONGRESSIONAL SPECIAL INTEREST ITEMS

The Committee is concerned about the prevalence with which the Services and Defense agencies utilize congressional program increases to fund overhead costs within the Department of Defense. Increased program funding inherently requires an enhanced level of contracting, program management, and engineering costs. However, the Committee is dismayed that upwards of forty to fifty percent of certain congressional program increases have been applied towards full-time equivalents (FTE) and contracting costs to manage relatively small program increases. In some cases, the Committee has become aware of instances when FTE costs are charged to a congressional program increase when it is evident that those FTE do not work solely on that program, nor does the program require the level of FTE proposed by the Department.

It has become clear to the Committee that, in some cases, the Department is using congressional program increases to supplant budgeted overhead costs, which ultimately enables that budgeted funding to be used for Department activities not necessarily approved by the Committee. Therefore, the Committee directs the Secretary of Defense to limit Department overhead costs on congressional program increases to not more than 10 percent of the funding level provided. The Service Secretaries and the Under Secretary of Defense (Acquisition and Sustainment) may waive this requirement by submitting a prior approval request in writing to the House and Senate Appropriations Committees.

#### GENERAL TRANSFER AUTHORITY AND SPECIAL TRANSFER AUTHORITY

The Department of Defense, as part of the Executive Branch, has historically had a relationship with the Congress based on mutual trust, comity, professionalism, and a general desire to ensure the public good that is the defense of the United States and its interests. While the bounds of this relationship have been tested in the past, its tenets have not been blatantly forsaken until recently. Given the recent breach of trust embodied in the misuse of appropriated funds by the current Administration; the Congress, exercising its constitutional responsibility to oversee the Executive Branch, must improve its understanding of the Department's application of transfer authority and reprogramming actions as the Department executes the budget authority granted it by the Congress.

The Committee directs the Secretary of Defense to submit a report to the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act which shall include the following:

- 1) The levels of General Transfer Authority (GTA)—granted in title VIII in annual defense appropriations acts—and Special Transfer Authority (STA)—granted in title IX in annual defense appropriations acts—provided to the Department of Defense by fiscal year for the last ten fiscal years. In addition to the overall levels of appropriated GTA and STA, the report shall include the portion of authorized GTA and STA that was utilized by the Department by fiscal year and specify the percentage of the total GTA and STA that was used for below threshold reprogramming actions;

- 2) The portion of GTA and STA, by fiscal year for the last ten fiscal years, used for reclassification purposes or to make technical corrections, where, via reprogramming, the Department was not proposing to change the purpose for which the funds were appropriated but was merely moving the funding to better reflect and obligate consistent with congressional intent;

- 3) The portion of GTA and STA, by fiscal year for the last ten fiscal years, appropriated to the Department of Defense, transferred to, and subsequently implemented by a Department or agency other than one funded in this Act;

- 4) The level of GTA and STA, by fiscal year for the last ten fiscal years, used for actions submitted to address urgent mission critical requirements, unforeseen circumstances of an urgent nature (such as the unanticipated mobilization and movement of military personnel to a conflict zone, or investments included in joint urgent operational needs statements), or for life safety; and

5) The portion of GTA and STA, by fiscal year for the last ten fiscal years, used to address non-mission critical contract awards, to fund initiatives or investments included in operational needs statements, to accelerate existing acquisition programs, to procure quantities of equipment and/or services originally planned for purchase in future years, and/or to augment previously planned research and development efforts.

#### 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 \$157,726,652,000 for active, reserve, and National Guard military personnel, a decrease of \$1,168,452,000 below the budget request, and an increase of \$7,463,770,000 above the fiscal year 2020 enacted level. The Committee recommendation provides full funding necessary to increase basic pay for all military personnel by three percent, as authorized by current law, effective January 1, 2021.

##### OPERATION AND MAINTENANCE

In title II of the bill, the Committee recommends a total of \$196,703,001,000 for operation and maintenance support to the military Services and other Department of Defense entities, an increase of \$72,505,000 above the budget request, and a decrease of \$2,712,414,000 below the fiscal year 2020 enacted level. The recommended levels will fund robust operational training, readiness, and facilities needs in fiscal year 2021.

##### PROCUREMENT

In title III of the bill, the Committee recommends a total of \$133,633,757,000 for procurement.

Major initiatives and modifications include:

\$866,296,000 for the procurement of 42 UH/HH 60M Blackhawk helicopters, an increase of six helicopters designated for the National Guard;

\$1,164,152,000 for the Stryker combat vehicle including \$375,000,000 above the request to upgrade an additional 105 vehicles;

\$792,027,000 for the procurement of 50 remanufactured AH 64 Apache helicopters;

\$198,000,000 for the first five CH-47F Block II Chinook aircraft;

\$1,020,389,000 for the upgrade of 89 Abrams tanks to the M1A2 SEPv3 tank variant;

\$1,725,400,000 for the procurement of 24 F/A-18E/F Super Hornet aircraft;

\$510,000,000 for the procurement of three P-8A Poseidon multi-mission aircraft for the Navy Reserve; an increase of three aircraft and \$429,866,000 above the President's request;

\$791,140,000 for the procurement of five E-2D Advanced Hawkeye aircraft, an increase of one aircraft and \$165,031,000 above the President's request;

\$1,142,732,000 for the procurement of 11 V-22 aircraft, an increase of two aircraft and \$207,939,000 above the President's request;

\$1,050,634,000 for the procurement of nine CH-53K helicopters, an increase of two aircraft and \$237,310,000 above the President's request;

\$577,638,000 for the procurement of five VH-92 executive helicopters; \$9,254,291,000 for the procurement of 91 F-35 aircraft, an increase of \$1,396,100,000 and 12 aircraft above the President's request; 10 short take-off and vertical landing variants for the Marine Corps, 21 carrier variants for the Navy and Marine Corps, and 60 conventional variants for the Air Force;

\$22,157,938,000 for the procurement of nine Navy ships, including two DDG-51 guided missile destroyers, one Columbia class submarine, two SSN-774 attack submarines, one Frigate, one LPD-17 Flight II, and two Towing, Salvage, and Rescue Ships; a total increase of \$2,355,181,000 and one SSN-774 above the President's request;

\$1,242,247,000 for the procurement of 12 F-15EX aircraft;

\$965,496,000 for the procurement of 11 C/MC/KC-130J aircraft, an increase of \$184,574,000 and two C-130J aircraft above the President's request;

\$343,600,000 for the procurement of 16 MQ-9 Reaper unmanned aerial vehicles, an increase of 16 aircraft above the President's request;

\$2,707,380,000 for the procurement of 15 KC-46 tanker aircraft;

\$1,083,909,000 for the procurement of 19 combat rescue helicopters;

\$194,016,000 for the procurement of eight MH-139 helicopters;

\$933,271,000 for the procurement of three space launch services;

\$622,796,000 for the procurement of two Global Positioning System satellites; 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 \$104,348,089,000 for research, development, test and evaluation.

Major initiatives and modifications include:

\$306,682,000 for the continued development of the Columbia class ballistic missile submarine;

\$1,052,792,000 for the continued development of the precision strike weapons development program;

\$256,970,000 for the continued development of the unmanned carrier aviation program;

\$406,406,000 for the continued development of the CH-53K helicopter;

\$1,717,223,000 for the continued development of the F-35 Lightning Joint Strike Fighter aircraft;

\$2,848,410,000 for the continued development of the B-21 bomber;

\$800,889,000 for the development of a Presidential Aircraft Replacement;

\$513,501,000 for the design, build, and test of prototypes for the Army's Future Attack Reconnaissance Aircraft;

\$811,417,000 for planning, prototype manufacturing, and testing of the Army's Long Range Hypersonic Weapon;  
 \$420,963,000 for the Army's Extended Range Cannon Artillery (ERCA) modernization effort;  
 \$560,978,000 for space launch services;  
 \$258,496,000 for the Global Positioning System IIIF;  
 \$481,999,000 for the Global Positioning System III Operational Control Segment;  
 \$2,318,864,000 for the Next-Generation Overhead Persistent Infrared system;  
 \$3,511,848,000 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 \$33,297,902,000 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 \$68,435,000,000 for overseas contingency operations/global war on terrorism (OCO/GWOT) requirements.

**Military Personnel:** The Committee recommends a total of \$4,602,593,000 for military personnel OCO/GWOT requirements in title IX of the bill.

**Operation and Maintenance:** The Committee recommends a total of \$57,824,499,000 for operation and maintenance OCO/GWOT requirements in title IX of the bill.

**Procurement:** The Committee recommends a total of \$6,473,543,000 for procurement OCO/GWOT requirements in title IX of the bill.

**Research, Development, Test and Evaluation:** The Committee recommends a total of \$321,508,000 for research, development, test and evaluation OCO/GWOT requirements in title IX of the bill.

#### CIVILIAN CYBER WORKFORCE

The Committee recognizes that the Department of Defense has challenges hiring individuals with the necessary security clearances to work in the cyber environment and encourages the Secretary of Defense to find innovative solutions to increase the civilian cyber workforce. The Committee believes that the Department of Defense should collaborate with colleges and universities to recruit college students during their junior or senior years, with the intent that upon graduation the student will have a completed security clearance.

The Committee notes the Secretary of Defense is required to submit a report on Department-wide efforts to increase recruitment of cyber-focused individuals and to increase the throughput of security clearances to grow the number of approved requisite applicants as directed in House Report 116-84. The Committee understands the Department expects to develop an implementation plan and

provide an interim report by the end of September 2020. The Committee expects the Secretary of Defense to update the congressional defense committees with any changes to the anticipated date of completion for the implementation plan and interim report.

#### INITIATING OPERATIONS

The Committee is concerned about the lack of information the Department of Defense provides to the Congress prior to and after initiating new operations and has been disappointed with the timeliness and completeness of the reports the Department is required to provide about troop deployments and new named and unnamed operations. The Committee recommendation includes language in section 8131 to address this disconnect by requiring the Secretary of Defense to provide a report to the congressional defense committees within three days after such deployments. The language pertains to “significant” deployments; in this case, significant is defined as deployments of 100 personnel or more. The Committee recommendation includes language which allows for the report to include a classified annex, if necessary.

#### CORONAVIRUS DISEASE 2019

With the advent of the recent novel coronavirus pandemic, much has changed in the United States and across the world. The Coronavirus Disease 2019 (COVID-19) has impacted every aspect of society and the United States military and industrial base have not been immune from the pandemic. The Committee is grateful to the servicemembers and the civilians on the front lines fighting and protecting the American people against this disease.

The Committee has worked with the Department to determine the appropriate level of supplemental funding required to address unforeseen requirements facing the Department in response to COVID-19. As such, for fiscal year 2020, Congress provided the Department of Defense \$82,000,000 in the Families First Coronavirus Response Act and \$10,503,674,000 in the Coronavirus Aid, Relief, and Economic Security (CARES) Act.

The Committee appreciates the updates the Department has provided on the obligation and execution of these supplemental funds and understands there may be additional costs to address the pandemic in the future. Therefore, the Committee recommendation for fiscal year 2021 includes \$758,000,000 in procurement for COVID-19 recovery for second, third, and fourth tier suppliers; \$450,000,000 in operation and maintenance for COVID-19 recovery and resupply; and \$150,000,000 in the Defense Health Program for COVID-19 response. The Committee directs the Secretary of Defense and the Service Secretaries to provide quarterly updates to the congressional defense committees, beginning October 20, 2020, on COVID-19-related expenses incurred in the previous quarter. The report shall include a breakout of obligations by account, budget activity, and sub-activity; and the number of personnel deployed to assist in mitigation efforts. The Committee also understands COVID-19 has caused schedule delays in several programs and in some cases has adversely impacted the Department’s ability to execute funding. Therefore, due to the lack of historical data or metrics to accurately project when funds may obligate or when schedules may resume, the report shall include any savings the De-

partment and Services may attain through delayed or cancelled events or activities, such as training, exercises, or deployments.

Related to the defense industrial base (DIB), the CARES Act included funding for the Defense Production Act (DPA) of 1950, which provides a broad set of authorities to ensure that domestic industry can meet national defense requirements. Of the amounts appropriated to the Department of Defense, \$1,000,000,000 was provided for DPA to prevent, prepare for, and respond to coronavirus, domestically or internationally. While the Department plans to execute a portion of that funding for personal protective equipment (PPE) as intended by Congress, most of the funds will be used to address the impact of COVID-19 on the DIB, which was not the original intent of the funds. The Department's own estimates indicate that the total domestic consumption of N95 masks is as high as 3,300,000,000. The Committee's expectation was that the Department would address the need for PPE industrial capacity rather than execute the funding for the DIB. Furthermore, the Department plans to execute \$100,000,000 of CARES Act DPA funding to make loans to private companies which has not been done for several decades under the DPA. The Committee is concerned that this funding will not support increased medical supply production, as intended by the additional CARES Act funding. The Committee recommends \$191,931,000 in this Act to support DPA activities to expand production capacity and supply and to incentivize the domestic industrial base to grow the production and supply of critical materials and goods. The recommendation does not include additional DPA funding to support COVID-19 efforts.

Beyond the obligation and expenditure reports, leaders across the Department of Defense have made an effort to keep the Committee informed on the impacts of COVID-19. While the Committee appreciates the level of engagement on the Department's efforts to respond to COVID-19, the Department's planning and preparation for such a health emergency is of concern. Despite having longstanding policies and plans for pandemic response, it is unclear if these have been effective. For example, the Department of Defense Instruction on the National Disaster Medical System (NDMS) is in place to guide the Department in responding to or providing assistance during other disasters, but little mention of the NDMS has been made in responding to COVID-19, and it is unclear what role, if any, the NDMS has had. The Secretary of Defense must capture lessons learned from this pandemic and update policy and planning documents to ensure that the most relevant and actionable instructions are published and updated for future health emergencies.

It is also concerning that the Department continues to move forward with the most significant medical restructuring of the Military Health System in decades. Prior to the pandemic, the Committee expressed concerns about the Department's plans to shed medical military billets and descope military treatment facilities (MTFs), and those concerns are more acute now. The Committee recommendation denies the Department's fiscal year 2021 request of \$334,613,000 to replace uniformed medical providers with civilians or contractors, and restores \$36,260,000 for the Department to continue supporting MTFs that had been proposed to be descope.

Lastly, the COVID-19 global pandemic has exposed vulnerabilities in America's ability to prevent, prepare for, and re-



spond to future pandemics. For example, the Committee is aware of vulnerabilities in America's reliance on foreign-sourced supplies of active pharmaceutical ingredients and their chemical components, and more generally, the nation's reliance on off-shore drug production. The Committee encourages the Secretary of Defense, the Director of the Defense Advanced Research Projects Agency, and the Director of the Biomedical Advanced Research and Development Authority to cooperatively research areas of mutual interest to address public health vulnerabilities, secure a national stockpile of life-saving drugs, and address vulnerability points for the military.

As the Committee's fiscal year 2021 recommendation is written in the pandemic's midst, the Committee notes that, in just a few months, COVID-19 has claimed more American lives than were lost during World War I. The economic destruction is stark enough to draw comparisons to the Great Depression of the 1930s. Only time will tell what ultimate damage will be done, but the Committee will not waiver in its support for the men and women in uniform as well as civilians working to protect the United States from this or any other enemy.

#### DOMESTIC MANUFACTURING REQUIREMENTS FOR NAVY SHIPBUILDING

The Committee consistently has expressed its concern with the Department of the Navy sourcing surface ship components from foreign industry partners rather than promoting a robust domestic industrial base. To address these concerns, the Committee retains several provisions from fiscal year 2020 and a new provision that expands the domestic manufacturing requirement for several classes of ships under development. Absent stringent contract requirements in these future surface ship classes, the Committee lacks confidence that the Navy will make the necessary decisions and provide the required resources to support a robust domestic industrial base.

#### LITTORAL COMBAT SHIP DECOMMISSIONS

The Committee is concerned with the Navy's proposal to decommission the first four Littoral Combat Ships well before the end of their service lives. The Navy continues to assert a goal of 355 ships, even though annual budget requests do not support this position. Additionally, the Committee believes it is shortsighted for the Navy to always procure new ships, rather than effectively maintaining and upgrading the ships currently in the Navy's inventory. Therefore, the Committee recommendation includes a provision which prohibits the use of funds for the purpose of decommissioning any Littoral Combat Ships.

The Committee is also concerned with the lack of a United States naval ship presence in Central and South America and believes that Littoral Combat Ships could be effective for the missions required in the Southern Command area of responsibility. The Committee directs the Secretary of the Navy to submit a report to the congressional defense committees not later than 30 days after the enactment of this Act on what upgrades would be required for these ships to effectively conduct operations in the Southern Command area of responsibility.

## COMPLIANCE WITH CONGRESSIONALLY DIRECTED REPORTS

The Committee is concerned the Department of Defense consistently does not comply with many of the reporting requirements contained in prior Department of Defense Appropriations Acts. Such reports are often submitted beyond the deadline or, in some cases, not at all. These reports are essential to the Committee's ability to carry out its legislative and oversight responsibilities. The Committee encourages the Secretary of Defense to review the Department's processes with respect to such requirements and make management changes necessary for the Department to submit these reports in a complete and timely manner.

## BUY AMERICA AND THE BERRY AMENDMENT

The Committee supports the Berry Amendment which promotes the purchase of goods that are produced in the United States and requires the Department of Defense to purchase items such as fabrics, textiles, clothing, food, and hand tools from domestic sources. The importance of this requirement is underscored by the COVID-19 pandemic and the need to ensure domestic production of personal protective equipment. The purchase of noncompliant items may result in a violation of the Antideficiency Act. The Berry Amendment applies unless acquisitions are at or below the simplified acquisition threshold, there is a domestic non-availability determination, or an exception of compliance applies. Requests for a waiver to the Berry Amendment based on national security interests may be submitted to the Under Secretary of Defense (Acquisition and Sustainment). However, a listing of the waivers received, and the determination decisions of those waivers has not been shared with the Committee, and a reporting mechanism has not been established. Therefore, the Committee directs the Under Secretary of Defense (Acquisition and Sustainment) to submit a report to the House and Senate Appropriations Committees, not later than 90 days after the enactment of this Act and quarterly thereafter, which includes all Berry amendment waiver requests submitted during the previous quarter and the determination of each waiver request. The report shall include, at a minimum, the Service or defense-wide account impacted, the date of the decision, and the reasons for approval or denial of the waiver request.

## RENAMING INSTITUTIONS

The Committee directs the Secretary of Defense, in conjunction with the Service Secretaries, not later than one year after the enactment of this Act to:

- 1) complete the renaming process of any military installation (as defined in section 2801(c) of title 10, United States Code) or real property, that is currently named after any person who served in the political or military leadership of any armed rebellion against the United States;
- 2) commence the renaming of each covered military installation and covered defense property; and
- 3) provide a report to the congressional defense committees that includes a detailed description of the process to be used by the respective Service Secretary to develop a list of potential names for renaming covered military installations and covered

defense property; and an explanation regarding whether or not the respective Service Secretary established, or will establish, an advisory panel to support the review process to make recommendations to the respective Secretary. If the respective Secretary has established, or will establish, an advisory panel, the report shall include the names and positions of the individuals who will serve on the advisory panel.

If the Secretary of Defense, in conjunction with the relevant Service Secretaries, creates advisory panels to assist in the renaming process, the advisory panels shall consist of military leadership from covered military installations; military leadership from military installations containing covered defense property; state leaders and leaders of the locality in which a covered military installation or covered defense property is located; representatives from military museums, military historians, or relevant historians from the impacted states and localities with relevant expertise; and community civil rights leaders.

The Committee is certain the necessary funds exist in the budget to effect these changes with sufficient haste.

#### LAW ENFORCEMENT TRAINING

The Committee notes that the Commerce, Justice, Science, and Related Agencies Appropriations Act, 2021 directs the Attorney General to establish a training program to cover the use of force and de-escalation, racial profiling, implicit bias, and procedural justice, to include training on the duty of federal law enforcement officers to intervene in cases where another law enforcement officer is using excessive force, and make such training a requirement for federal law enforcement officers. The Committee further notes that each of the Services, the civilian entities that provide security, and the Pentagon Force Protection Agency (PFPA) funded by this Act are considered federal law enforcement officers and Federal Law Enforcement Training Centers partner organizations. The Committee directs the Secretary of Defense, the Service Secretaries, the civilian entities, and the PFPA to adopt and follow the training program established by the Attorney General, and to make such training a requirement for its federal law enforcement officers and any contractors providing security. The Committee further directs the Secretary of Defense, the Service Secretaries, and the PFPA to brief the House and the Senate Appropriations Committees on their efforts relating to training not later than 90 days after the Attorney General has established such a training program.

In addition, the Committee directs the Service Secretaries, the civilian entities, and the PFPA, to the extent that each have not already done so, to develop policies and procedures to submit their use of force data to the Federal Bureau of Investigation (FBI)'s National Use of Force Data Collection database. The Committee further directs the Secretary of Defense and the Service Secretaries to brief the House and the Senate Appropriations Committees not later than 90 days after the enactment of this Act on their current efforts to tabulate and submit its use of force data to the FBI.



## TITLE I

### MILITARY PERSONNEL

The fiscal year 2021 Department of Defense military personnel budget request totals \$158,895,104,000. The Committee recommendation provides \$157,726,652,000 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.....	45,087,813	44,936,603	-151,210
MILITARY PERSONNEL, NAVY.....	33,892,369	33,757,999	-134,370
MILITARY PERSONNEL, MARINE CORPS.....	14,840,871	14,534,551	-306,320
MILITARY PERSONNEL, AIR FORCE.....	32,901,670	32,675,965	-225,705
RESERVE PERSONNEL, ARMY.....	5,106,956	5,025,216	-81,740
RESERVE PERSONNEL, NAVY.....	2,240,710	2,223,690	-17,020
RESERVE PERSONNEL, MARINE CORPS.....	868,694	857,394	-11,300
RESERVE PERSONNEL, AIR FORCE.....	2,207,823	2,179,763	-28,060
NATIONAL GUARD PERSONNEL, ARMY.....	8,830,111	8,639,005	-191,106
NATIONAL GUARD PERSONNEL, AIR FORCE.....	4,547,087	4,525,466	-21,621
	=====	=====	=====
GRAND TOTAL, TITLE I, MILITARY PERSONNEL.....	150,524,104	149,355,652	-1,168,452
GRAND TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375).....	8,372,741	8,371,000	-1,741
	=====	=====	=====
GRAND TOTAL, MILITARY PERSONNEL.....	158,896,845	157,726,652	-1,170,193
	=====	=====	=====

## MILITARY PERSONNEL OVERVIEW

The Committee recommendation provides \$157,726,652,000 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 3 percent as authorized by current law, effective January 1, 2021. The Committee continues to encourage constructive evaluations of recruitment and retention programs, bonus and special pay incentives, and personnel benefit programs for fiscal year 2021. 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 2021 budget request includes an increase of 12,000 in total end strength for the active forces and an increase of 1,200 in total end strength for the Selected Reserve as compared to the fiscal year 2020 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 2020 authorized .....	1,339,500
Fiscal year 2021 budget request .....	1,351,500
Fiscal year 2021 recommendation .....	1,351,500
Compared with fiscal year 2020 .....	12,000
Compared with fiscal year 2021 budget request .....	--

## OVERALL SELECTED RESERVE END STRENGTH

Fiscal year 2020 authorized .....	800,800
Fiscal year 2021 budget request .....	802,000
Fiscal year 2021 recommendation .....	802,000
Compared with fiscal year 2020 .....	1,200
Compared with fiscal year 2021 budget request .....	--

## SUMMARY OF MILITARY PERSONNEL END STRENGTH

	Fiscal year 2020 authorized	Fiscal year 2021			
		Budget Request	Committee Recommended	Change from request	Change from fiscal year 2020
Active Forces (End Strength)					
Army .....	480,000	485,900	485,900	---	5,900
Navy .....	340,500	347,800	347,800	---	7,300
Marine Corps .....	186,200	184,100	184,100	---	-2,100
Air Force .....	332,800	333,700	333,700	---	900
Total, Active Forces .....	1,339,500	1,351,500	1,351,500	---	12,000
Guard and Reserve Forces (End Strength)					
Army Reserve .....	189,500	189,800	189,800	---	300
Navy Reserve .....	59,000	58,800	58,800	---	-200
Marine Corps Reserve .....	38,500	38,500	38,500	---	0
Air Force Reserve .....	70,100	70,300	70,300	---	200
Army National Guard .....	336,000	336,500	336,500	---	500
Air National Guard .....	107,700	108,100	108,100	---	400
Total, Selected Reserve .....	800,800	802,000	802,000	---	1,200
Total, Military Personnel .....	2,140,300	2,153,500	2,153,500	0	13,200

## REPROGRAMMING GUIDANCE FOR MILITARY PERSONNEL ACCOUNTS

(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS  
FUNDING)

The Secretary of Defense is directed to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2021 appropriations 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 Defense Appropriations Subcommittees.

The Secretary of Defense is directed 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.

#### RECOGNIZING DIVERSITY IN THE MILITARY

The Committee believes that the Department of Defense should recognize diversity in the military and ensure that the entertainment and publishing industries accurately depict this reality. The Committee encourages the Secretary of Defense to work with the production and publishing companies to which the Department provides consultation services to ensure an accurate portrayal of diversity in the military. 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 that details the production and publishing companies the Department worked with in fiscal year 2020, with an accounting of the diversity of the film set for all workers broken down by “above-the-line” workers including but not limited to the directors, producers, and actors, as well as the “below-the-line” workers like set designers, camera operators, and sound engineers. This data shall be presented in a disaggregated manner by race, ethnicity, and gender to provide a clear depiction of diversity on set.

#### CULTURAL SENSITIVITY TRAINING

The Committee recognizes that the Department of Defense and the military Services have multiple cultural sensitivity training programs for military personnel and is concerned that the fiscal year 2021 budget request reduces funding for some of these important programs. The Committee also believes in the importance of protecting servicemembers’ rights regarding exercise of religion and ethnic heritage. As such, the Committee supports efforts to identify resource and personnel gaps that may exist in the Office for Diversity, Equity, and Inclusion 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.

## SEXUAL ASSAULT PREVENTION AND RESPONSE

The Committee is troubled by the ongoing epidemic of sexual assault in the military and at the Service academies and believes that this will persist until a change in culture occurs across all Services at every level. The Department of Defense provides an annual report to Congress which provides details on sexual assaults involving servicemembers. However, the most recent report's findings make it clear that more action by the Department is necessary to combat this widespread problem. In addition to the annual report, the Committee directs the Director of the Department of Defense Sexual Assault Prevention and Response Office (SAPRO) to brief the House and Senate Appropriations Committees not later than 30 days after the enactment of this Act and quarterly thereafter, on the initiatives the Department is implementing to reform how the military prevents, responds to, and adjudicates sexual assault cases, as well as the efforts underway to develop robust research, evaluation, and analytics to assess the effectiveness of its prevention efforts.

The Committee recognizes SAPRO's efforts to implement a comprehensive policy to ensure the safety, dignity and well-being of all members of the military. Despite seeing promising outcomes from some newly implemented SAPRO programs, the most recent Department report from 2019 on the prevalence of sexual assault in the military is disturbing. The report found the number of sexual assaults in the military rose by 38 percent from 2016 to 2018 with roughly 20,500 servicemembers experiencing sexual assault, up from an estimated 14,900 in 2016. The report also found the sexual assault rate for women jumped a shocking 50 percent. While the Department touts increased reporting as a measure of success, only a third of all sexual assaults in the military were reported according to the 2019 report. Despite these dire findings and rhetoric from leadership in the Department and the Services, the budget for sexual assault prevention and response remains stagnant. The fiscal year 2021 budget proposes to cut funding for SAPRO by \$5,000,000 at the Department level. The Committee is appalled by the Department's failure to prioritize funding to address the systemic cultural problems associated with sexual assault in the military and the Service academies.

In recent years, Congress has given the Services numerous new tools and responsibilities to improve the military justice system. In particular, the Special Victims' Counsel program was created to provide sexual assault survivors with attorneys to represent their interests in criminal proceedings. The program has proved so critical and successful that it was expanded to serve survivors of domestic violence in the National Defense Authorization Act for Fiscal Year 2020. Despite the inherent importance of the Special Victims' Counsel program and the growing caseload of Special Victim Advocates, the Department fails to request dedicated funding in its annual budget request. Although the Services have taken the role of the Special Victims' Counsel program seriously, the Committee is disappointed by the Department's apparent apathy towards providing adequate funding to sustain a longstanding program.

The Committee recommends \$282,934,000, an increase of \$5,000,000 above the budget request, for sexual assault prevention and response programs at the Department and Service levels and provides an additional \$40,000,000 for the Department of Defense SAPRO for the Special Victims' Counsel program for transfer to the Services, including the National Guard and reserve components.

#### SUICIDE PREVENTION AND OUTREACH

The Committee is alarmed by the growing number of suicides among servicemembers. The Department's first Annual Suicide Report, released in 2019, found a statistically significant increase in the military's suicide rate among active duty servicemembers. The report found in just five years the rate of suicide rose by more than one-third, from 18.5 to 24.8 suicides per 100,000 active duty members.

For the National Guard, the report found the rate of suicide was statistically higher than that of the American population at 30.6 suicides per 100,000 members of the National Guard regardless of duty status. The Committee recognizes that 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.

The Committee acknowledges the Defense Suicide Prevention Office's (DSPO) hard work and dedication to advance holistic, data-driven suicide prevention through its partnership with the Services. However, the most recent report emphasizes the need for a more dedicated response to address the troubling rise of suicide among servicemembers. Despite statements by the Secretary of Defense that the military, "has the means and the resources to get ahead of this and do better than our civilian counterparts," the Department's investment in DSPO is negligible at best. The budget for staffing and programming of DSPO has remained flat despite the uptick in suicides among servicemembers. Instead of seeking to expand resources available to the Services, the Department has prioritized finding nominal cuts through the Defense-Wide Review for this office. The Committee is disappointed by the Department's failure to prioritize appropriate resources for DSPO and invest in efforts to understand the efficacy and effectiveness of its own suicide prevention programs.

In addition to the Annual Suicide Report, the Committee directs the Director of the DSPO to brief the House and Senate Appropriations Committees not later than 30 days after the enactment of this Act and quarterly thereafter, on the initiatives the Department is implementing to prevent military suicide, as well as the efforts underway to develop robust research, evaluation, and analytics to assess the effectiveness of its prevention efforts.

Further, the Committee directs the Secretary of Defense to submit to the House and Senate Appropriations Committees, not later than 90 days after the enactment of this Act, and monthly thereafter, a report on suicide among members of the armed forces. The report shall provide the number of suicides, attempted suicides, and occurrences of suicidal ideation involving a member of the

armed forces, including the reserve components. The report shall include the gender, age, rank, and method of suicide for each.

#### MILITARY PERSONNEL, ARMY

Fiscal year 2020 appropriation .....	\$42,746,972,000
Fiscal year 2021 budget request .....	45,087,813,000
Committee recommendation .....	44,936,603,000
Change from budget request .....	– 151,210,000

The Committee recommends an appropriation of \$44,936,603,000 for Military Personnel, Army which will provide the following program in fiscal year 2021:

(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.....	7,718,303	7,718,303	---
200 RETIRED PAY ACCRUAL.....	2,686,055	2,686,055	---
220 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	97,203	97,203	---
250 BASIC ALLOWANCE FOR HOUSING.....	2,236,517	2,236,517	---
300 BASIC ALLOWANCE FOR SUBSISTENCE.....	294,761	294,761	---
350 INCENTIVE PAYS.....	92,859	92,859	---
400 SPECIAL PAYS.....	375,286	375,286	---
450 ALLOWANCES.....	183,299	183,299	---
500 SEPARATION PAY.....	67,499	67,499	---
550 SOCIAL SECURITY TAX.....	588,377	588,377	---
600 TOTAL, BUDGET ACTIVITY 1.....	14,340,159	14,340,159	---
650 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
700 BASIC PAY.....	14,202,907	14,202,907	---
750 RETIRED PAY ACCRUAL.....	4,949,153	4,949,153	---
770 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	123,092	123,092	---
800 BASIC ALLOWANCE FOR HOUSING.....	4,740,859	4,740,859	---
850 INCENTIVE PAYS.....	87,963	87,963	---
900 SPECIAL PAYS.....	883,084	883,084	---
950 ALLOWANCES.....	712,600	712,600	---
1000 SEPARATION PAY.....	303,910	303,910	---
1050 SOCIAL SECURITY TAX.....	1,086,522	1,086,522	---
1100 TOTAL, BUDGET ACTIVITY 2.....	27,090,090	27,090,090	---
1150 ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
1200 ACADEMY CADETS.....	93,453	93,453	---
1250 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
1300 BASIC ALLOWANCE FOR SUBSISTENCE.....	1,283,616	1,283,616	---
1350 SUBSISTENCE-IN-KIND.....	653,596	653,596	---
1400 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	12	12	---
1450 TOTAL, BUDGET ACTIVITY 4.....	1,937,224	1,937,224	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
1500 ACTIVITY 5: PERMANENT CHANGE OF STATION			
1550 ACCESSION TRAVEL.....	146,226	146,226	---
1600 TRAINING TRAVEL.....	160,046	160,046	---
1650 OPERATIONAL TRAVEL.....	440,920	440,920	---
1700 ROTATIONAL TRAVEL.....	691,296	691,296	---
1750 SEPARATION TRAVEL.....	238,612	238,612	---
1800 TRAVEL OF ORGANIZED UNITS.....	1,747	1,747	---
1850 NON-TEMPORARY STORAGE.....	8,592	8,592	---
1900 TEMPORARY LODGING EXPENSE.....	38,508	38,508	---
1950 TOTAL, BUDGET ACTIVITY 5.....	1,725,947	1,725,947	---
2000 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
2050 APPREHENSION OF MILITARY DESERTERS.....	253	253	---
2100 INTEREST ON UNIFORMED SERVICES SAVINGS.....	79	79	---
2150 DEATH GRATUITIES.....	41,400	41,400	---
2200 UNEMPLOYMENT BENEFITS.....	27,904	27,904	---
2250 EDUCATION BENEFITS.....	36	36	---
2300 ADOPTION EXPENSES.....	603	603	---
2350 TRANSPORTATION SUBSIDY.....	13,390	13,390	---
2400 PARTIAL DISLOCATION ALLOWANCE.....	112	112	---
2450 RESERVE OFFICERS TRAINING CORPS (ROTC).....	107,570	107,570	---
2500 JUNIOR ROTC.....	30,409	30,409	---
2550 TOTAL, BUDGET ACTIVITY 6.....	221,756	221,756	---
2600 LESS REIMBURSABLES.....	-320,816	-320,816	---
2650 UNDISTRIBUTED ADJUSTMENT.....	---	-151,210	-151,210
=====	=====	=====	=====
6300 TOTAL, TITLE I, MILITARY PERSONNEL, ARMY.....	45,087,813	44,936,603	-151,210
6310 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	2,350,780	1,673,000	-677,780
6350 TOTAL, MILITARY PERSONNEL, ARMY.....	47,438,593	46,609,603	-828,990
=====	=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
UNDISTRIBUTED ADJUSTMENT		-151,210	-151,210
Historical unobligated balances		-151,210	

## MILITARY PERSONNEL, NAVY

Fiscal year 2020 appropriation .....	\$31,710,431,000
Fiscal year 2021 budget request .....	33,892,369,000
Committee recommendation .....	33,757,999,000
Change from budget request .....	– 134,370,000

The Committee recommends an appropriation of \$33,757,999,000 for Military Personnel, Navy which will provide the following program in fiscal year 2021:



(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.....	4,717,199	4,717,199	---
6550 RETIRED PAY ACCRUAL.....	1,643,356	1,643,356	---
6560 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	76,465	76,465	---
6600 BASIC ALLOWANCE FOR HOUSING.....	1,682,998	1,682,998	---
6650 BASIC ALLOWANCE FOR SUBSISTENCE.....	176,042	176,042	---
6700 INCENTIVE PAYS.....	167,340	167,340	---
6750 SPECIAL PAYS.....	450,429	450,429	---
6800 ALLOWANCES.....	104,074	104,074	---
6850 SEPARATION PAY.....	39,298	39,298	---
6900 SOCIAL SECURITY TAX.....	359,783	359,783	---
6950 TOTAL, BUDGET ACTIVITY 1.....	9,416,984	9,416,984	---
7000 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
7050 BASIC PAY.....	10,756,652	10,756,652	---
7100 RETIRED PAY ACCRUAL.....	3,751,728	3,751,728	---
7120 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	129,326	129,326	---
7150 BASIC ALLOWANCE FOR HOUSING.....	5,110,991	5,110,991	---
7200 INCENTIVE PAYS.....	112,674	112,674	---
7250 SPECIAL PAYS.....	1,072,415	1,062,415	-10,000
7300 ALLOWANCES.....	553,063	553,063	---
7350 SEPARATION PAY.....	86,697	86,697	---
7400 SOCIAL SECURITY TAX.....	822,884	822,884	---
7450 TOTAL, BUDGET ACTIVITY 2.....	22,396,430	22,386,430	-10,000
7500 ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN			
7550 MIDSHIPMEN.....	87,021	87,021	---
7600 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
7650 BASIC ALLOWANCE FOR SUBSISTENCE.....	888,820	888,820	---
7700 SUBSISTENCE-IN-KIND.....	438,551	438,551	---
7750 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	5	5	---
7800 TOTAL, BUDGET ACTIVITY 4.....	1,327,376	1,327,376	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
7850 ACTIVITY 5: PERMANENT CHANGE OF STATION			
7900 ACCESSION TRAVEL.....	108,471	108,471	---
7950 TRAINING TRAVEL.....	88,092	88,092	---
8000 OPERATIONAL TRAVEL.....	274,131	274,131	---
8050 ROTATIONAL TRAVEL.....	323,056	323,056	---
8100 SEPARATION TRAVEL.....	130,324	130,324	---
8150 TRAVEL OF ORGANIZED UNITS.....	28,668	28,668	---
8200 NON-TEMPORARY STORAGE.....	15,647	15,647	---
8250 TEMPORARY LODGING EXPENSE.....	20,926	20,926	---
8350 TOTAL, BUDGET ACTIVITY 5.....	989,315	989,315	---
8400 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
8450 APPREHENSION OF MILITARY DESERTERS.....	43	43	---
8500 INTEREST ON UNIFORMED SERVICES SAVINGS.....	1,277	1,277	---
8550 DEATH GRATUITIES.....	24,800	24,800	---
8600 UNEMPLOYMENT BENEFITS.....	16,202	16,202	---
8650 EDUCATION BENEFITS.....	5,221	5,221	---
8700 ADOPTION EXPENSES.....	194	194	---
8750 TRANSPORTATION SUBSIDY.....	4,643	4,643	---
8800 PARTIAL DISLOCATION ALLOWANCE.....	34	34	---
8900 RESERVE OFFICERS TRAINING CORPS (ROTC).....	22,896	22,896	---
8950 JUNIOR ROTC.....	15,533	15,533	---
9000 TOTAL, BUDGET ACTIVITY 6.....	90,843	90,843	---
9050 LESS REIMBURSABLES.....	-415,600	-415,600	---
9100 UNDISTRIBUTED ADJUSTMENT.....	---	-124,370	-124,370
=====	=====	=====	=====
11000 TOTAL, TITLE I, MILITARY PERSONNEL, NAVY.....	33,892,369	33,757,999	-134,370
11010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	1,672,942	905,000	-767,942
11050 TOTAL, MILITARY PERSONNEL, NAVY.....	35,565,311	34,662,999	-902,312
=====	=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Committee Recommended</b>	<b>Change from Request</b>
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>			
<b>SPECIAL PAYS</b>	<b>1,072,415</b>	<b>1,062,415</b>	<b>-10,000</b>
Excess growth		-10,000	
<b>UNDISTRIBUTED ADJUSTMENTS</b>		<b>-124,370</b>	<b>-124,370</b>
Projected overestimation of average strength		-20,000	
Historical unobligated balances		-104,370	

## CYBERSECURITY PROFESSIONALS

The Committee notes the importance of cybersecurity programs for the advancement of cybersecurity professionals in the Department of Defense. The Committee encourages the Secretary of the Navy to work with higher education institutions, including Historically Black Colleges and Universities, Hispanic Serving Institutions, and other Minority Serving Institutions, to develop programs for Navy Reserve Officer Training Corps midshipmen to prepare more students in critical cybersecurity skillsets.

## MILITARY PERSONNEL, MARINE CORPS

Fiscal year 2020 appropriation .....	\$14,098,666,000
Fiscal year 2021 budget request .....	14,840,871,000
Committee recommendation .....	14,534,551,000
Change from budget request .....	- 306,320,000

The Committee recommends an appropriation of \$14,534,551,000 for Military Personnel, Marine Corps which will provide the following program in fiscal year 2021:

(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.....	1,777,306	1,777,306	---
12150 RETIRED PAY ACCRUAL.....	619,614	619,614	---
12170 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	37,597	37,597	---
12200 BASIC ALLOWANCE FOR HOUSING.....	579,290	579,290	---
12250 BASIC ALLOWANCE FOR SUBSISTENCE.....	68,427	68,427	---
12300 INCENTIVE PAYS.....	52,065	52,065	---
12350 SPECIAL PAYS.....	5,609	5,609	---
12400 ALLOWANCES.....	38,083	38,083	---
12450 SEPARATION PAY.....	21,991	21,991	---
12500 SOCIAL SECURITY TAX.....	133,108	133,108	---
12550 TOTAL, BUDGET ACTIVITY 1.....	3,333,090	3,333,090	---
12600 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
12650 BASIC PAY.....	5,479,139	5,479,139	---
12700 RETIRED PAY ACCRUAL.....	1,908,158	1,908,158	---
12720 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	147,368	147,368	---
12750 BASIC ALLOWANCE FOR HOUSING.....	1,711,770	1,711,770	---
12800 INCENTIVE PAYS.....	8,354	8,354	---
12850 SPECIAL PAYS.....	200,417	200,417	---
12900 ALLOWANCES.....	293,563	293,563	---
12950 SEPARATION PAY.....	93,052	93,052	---
13000 SOCIAL SECURITY TAX.....	418,564	418,564	---
13050 TOTAL, BUDGET ACTIVITY 2.....	10,260,385	10,260,385	---
13100 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
13150 BASIC ALLOWANCE FOR SUBSISTENCE.....	422,455	422,455	---
13200 SUBSISTENCE-IN-KIND.....	383,725	383,725	---
13250 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	10	10	---
13300 TOTAL, BUDGET ACTIVITY 4.....	806,190	806,190	---
13350 ACTIVITY 5: PERMANENT CHANGE OF STATION			
13400 ACCESSION TRAVEL.....	50,440	50,440	---
13450 TRAINING TRAVEL.....	14,824	14,824	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
13500 OPERATIONAL TRAVEL.....	156,014	156,014	---
13550 ROTATIONAL TRAVEL.....	119,306	119,306	---
13600 SEPARATION TRAVEL.....	83,046	83,046	---
13650 TRAVEL OF ORGANIZED UNITS.....	632	632	---
13700 NON-TEMPORARY STORAGE.....	7,191	7,191	---
13750 TEMPORARY LODGING EXPENSE.....	5,172	5,172	---
13850 TOTAL, BUDGET ACTIVITY 5.....	436,625	436,625	---
13900 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
13950 APPREHENSION OF MILITARY DESERTERS.....	278	278	---
14000 INTEREST ON UNIFORMED SERVICES SAVINGS.....	19	19	---
14050 DEATH GRATUITIES.....	13,500	13,500	---
14100 UNEMPLOYMENT BENEFITS.....	8,324	8,324	---
14150 EDUCATION BENEFITS.....	142	142	---
14200 ADOPTION EXPENSES.....	140	140	---
14250 TRANSPORTATION SUBSIDY.....	1,568	1,568	---
14300 PARTIAL DISLOCATION ALLOWANCE.....	22	22	---
14350 SGLI EXTRA HAZARD PAYMENTS.....	2,134	2,134	---
14400 JUNIOR ROTC.....	3,928	3,928	---
14450 TOTAL, BUDGET ACTIVITY 6.....	30,055	30,055	---
14500 LESS REIMBURSABLES.....	-25,474	-25,474	---
14600 UNDISTRIBUTED ADJUSTMENT.....	---	-306,320	-306,320
=====	=====	=====	=====
16000 TOTAL, TITLE I, MILITARY PERSONNEL, MARINE CORPS....	14,840,871	14,534,551	-306,320
16010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	905,378	146,000	-759,378
16050 TOTAL, MILITARY PERSONNEL, MARINE CORPS.....	15,746,249	14,680,551	-1,065,698
=====	=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
UNDISTRIBUTED ADJUSTMENTS		-306,230	-306,230
Projected overestimation of average strength		-10,000	
Historical unobligated balances		-88,230	
Revised budget estimate		-210,000	

## MILITARY PERSONNEL, AIR FORCE

Fiscal year 2020 appropriation .....	\$31,239,149,000
Fiscal year 2021 budget request .....	32,901,670,000
Committee recommendation .....	32,675,965,000
Change from budget request .....	– 225,705,000

The Committee recommends an appropriation of \$32,675,965,000 for Military Personnel, Air Force which will provide the following program in fiscal year 2021:



(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.....	5,641,144	5,641,144	---
17150 RETIRED PAY ACCRUAL.....	1,956,196	1,956,196	---
17170 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	87,627	87,627	---
17200 BASIC ALLOWANCE FOR HOUSING.....	1,661,550	1,661,550	---
17250 BASIC ALLOWANCE FOR SUBSISTENCE.....	208,359	208,359	---
17300 INCENTIVE PAYS.....	379,467	369,467	-10,000
17350 SPECIAL PAYS.....	344,723	344,723	---
17400 ALLOWANCES.....	122,425	122,425	---
17450 SEPARATION PAY.....	37,166	37,166	---
17500 SOCIAL SECURITY TAX.....	430,816	430,816	---
17550 TOTAL, BUDGET ACTIVITY 1.....	10,869,473	10,859,473	-10,000
17600 ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
17650 BASIC PAY.....	10,225,543	10,225,543	---
17700 RETIRED PAY ACCRUAL.....	3,557,876	3,557,876	---
17720 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	99,527	99,527	---
17750 BASIC ALLOWANCE FOR HOUSING.....	4,106,580	4,106,580	---
17800 INCENTIVE PAYS.....	64,585	64,585	---
17850 SPECIAL PAYS.....	374,755	364,755	-10,000
17900 ALLOWANCES.....	591,495	591,495	---
17950 SEPARATION PAY.....	109,441	109,441	---
18000 SOCIAL SECURITY TAX.....	782,254	782,254	---
18050 TOTAL, BUDGET ACTIVITY 2.....	19,912,056	19,902,056	-10,000
18100 ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
18150 ACADEMY CADETS.....	85,426	85,426	---
18200 ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
18250 BASIC ALLOWANCE FOR SUBSISTENCE.....	1,058,397	1,058,397	---
18300 SUBSISTENCE-IN-KIND.....	150,966	150,966	---
18350 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE.....	---	---	---
18400 TOTAL, BUDGET ACTIVITY 4.....	1,209,363	1,209,363	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
18450 ACTIVITY 5: PERMANENT CHANGE OF STATION			
18500 ACCESSION TRAVEL.....	91,776	91,776	---
18550 TRAINING TRAVEL.....	59,686	59,686	---
18600 OPERATIONAL TRAVEL.....	364,544	364,544	---
18650 ROTATIONAL TRAVEL.....	467,081	467,081	---
18700 SEPARATION TRAVEL.....	131,612	131,612	---
18750 TRAVEL OF ORGANIZED UNITS.....	3,430	3,430	---
18800 NON-TEMPORARY STORAGE.....	26,026	26,026	---
18850 TEMPORARY LODGING EXPENSE.....	34,893	34,893	---
18950 TOTAL, BUDGET ACTIVITY 5.....	1,179,048	1,179,048	---
19000 ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
19050 APPREHENSION OF MILITARY DESERTERS.....	18	18	---
19100 INTEREST ON UNIFORMED SERVICES SAVINGS.....	2,333	2,333	---
19150 DEATH GRATUITIES.....	14,900	14,900	---
19200 UNEMPLOYMENT BENEFITS.....	5,515	5,515	---
19300 EDUCATION BENEFITS.....	13	13	---
19350 ADOPTION EXPENSES.....	416	416	---
19400 TRANSPORTATION SUBSIDY.....	3,164	3,164	---
19450 PARTIAL DISLOCATION ALLOWANCE.....	629	629	---
19550 RESERVE OFFICERS TRAINING CORPS (ROTC).....	44,236	44,236	---
19600 JUNIOR ROTC.....	18,451	18,451	---
19650 TOTAL, BUDGET ACTIVITY 6.....	89,675	89,675	---
19700 LESS REIMBURSABLES.....	-443,371	-443,371	---
19750 UNDISTRIBUTED ADJUSTMENT.....	---	-205,705	-205,705
=====	=====	=====	=====
21000 TOTAL, TITLE I, MILITARY PERSONNEL, AIR FORCE.....	32,901,670	32,675,965	-225,705
21010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	1,623,214	82,000	-1,541,214
21050 TOTAL, MILITARY PERSONNEL, AIR FORCE.....	34,524,884	32,757,965	-1,766,919
=====	=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Committee Recommended</b>	<b>Change from Request</b>
<b>BA-1: PAY AND ALLOWANCES OF OFFICERS</b>			
<b>INCENTIVE PAYS</b>	<b>379,467</b>	<b>369,467</b>	<b>-10,000</b>
Excess growth		-10,000	
<b>BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL</b>			
<b>SPECIAL PAYS</b>	<b>374,755</b>	<b>364,755</b>	<b>-10,000</b>
Excess growth		-10,000	
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-205,705</b>	<b>-205,705</b>
Historical unobligated balances		-205,705	

## RESERVE PERSONNEL, ARMY

Fiscal year 2020 appropriation .....	\$4,922,087,000
Fiscal year 2021 budget request .....	5,106,956,000
Committee recommendation .....	5,025,216,000
Change from budget request .....	- 81,740,000

The Committee recommends an appropriation of \$5,025,216,000 for Reserve Personnel, Army which will provide the following program in fiscal year 2021:

(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).....	1,619,895	1,619,895	---
23150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	59,136	59,136	---
23200 PAY GROUP F TRAINING (RECRUITS).....	194,730	194,730	---
23250 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	4,357	4,357	---
23300 MOBILIZATION TRAINING.....	2,555	2,555	---
23350 SCHOOL TRAINING.....	233,785	233,785	---
23400 SPECIAL TRAINING.....	373,900	373,900	---
23450 ADMINISTRATION AND SUPPORT.....	2,475,281	2,475,281	---
23470 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	17,354	17,354	---
23500 EDUCATION BENEFITS.....	22,263	22,263	---
23550 HEALTH PROFESSION SCHOLARSHIP.....	64,468	64,468	---
23600 OTHER PROGRAMS.....	39,232	39,232	---
23650 TOTAL, BUDGET ACTIVITY 1.....	5,106,956	5,106,956	---
23800 UNDISTRIBUTED ADJUSTMENT.....	---	-81,740	-81,740
	=====	=====	=====
24000 TOTAL, TITLE I, RESERVE PERSONNEL, ARMY.....	5,106,956	5,025,216	-81,740
24010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	418,136	2,351,000	+1,932,864
24050 TOTAL, RESERVE PERSONNEL, ARMY.....	5,525,092	7,376,216	+1,851,124
	=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
UNDISTRIBUTED ADJUSTMENT		-81,740	-81,740
Historical unobligated balances		-81,740	

## RESERVE PERSONNEL, NAVY

Fiscal year 2020 appropriation .....	\$2,115,997,000
Fiscal year 2021 budget request .....	2,240,710,000
Committee recommendation .....	2,223,690,000
Change from budget request .....	- 17,020,000

The Committee recommends an appropriation of \$2,223,690,000 for Reserve Personnel, Navy which will provide the following program in fiscal year 2021:

(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).....	757,736	757,736	---
26150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	8,602	8,602	---
26200 PAY GROUP F TRAINING (RECRUITS).....	51,337	51,337	---
26250 MOBILIZATION TRAINING.....	13,019	13,019	---
26300 SCHOOL TRAINING.....	62,049	62,049	---
26350 SPECIAL TRAINING.....	135,042	135,042	---
26400 ADMINISTRATION AND SUPPORT.....	1,145,197	1,145,197	---
26420 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	8,974	8,974	---
26450 EDUCATION BENEFITS.....	679	679	---
26500 HEALTH PROFESSION SCHOLARSHIP.....	58,075	58,075	---
26550 TOTAL, BUDGET ACTIVITY 1.....	2,240,710	2,240,710	---
26600 UNDISTRIBUTED ADJUSTMENT.....	---	-17,020	-17,020
	=====	=====	=====
27000 TOTAL, TITLE I, RESERVE PERSONNEL, NAVY.....	2,240,710	2,223,690	-17,020
27010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	146,218	418,000	+271,782
27050 TOTAL, RESERVE PERSONNEL, NAVY.....	2,386,928	2,641,690	+254,762
	=====	=====	=====



EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
UNDISTRIBUTED ADJUSTMENT		-17,020	-17,020
Historical unobligated balances		-17,020	

## RESERVE PERSONNEL, MARINE CORPS

Fiscal year 2020 appropriation .....	\$833,604,000
Fiscal year 2021 budget request .....	868,694,000
Committee recommendation .....	857,394,000
Change from budget request .....	- 11,300,000

The Committee recommends an appropriation of \$857,394,000 for Reserve Personnel, Marine Corps which will provide the following program in fiscal year 2021:

(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).....	299,914	299,914	---
28150 PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY).....	46,242	46,242	---
28200 PAY GROUP F TRAINING (RECRUITS).....	136,283	136,283	---
28300 MOBILIZATION TRAINING.....	1,706	1,706	---
28350 SCHOOL TRAINING.....	25,154	25,154	---
28400 SPECIAL TRAINING.....	56,584	56,584	---
28450 ADMINISTRATION AND SUPPORT.....	284,433	284,433	---
28470 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	5,969	5,969	---
28500 PLATOON LEADER CLASS.....	7,601	7,601	---
28550 EDUCATION BENEFITS.....	4,808	4,808	---
28600 TOTAL, BUDGET ACTIVITY 1.....	868,694	868,694	---
28700 UNDISTRIBUTED ADJUSTMENT.....	---	-11,300	-11,300
	=====	=====	=====
29000 TOTAL, TITLE I, RESERVE PERSONNEL, MARINE CORPS.....	868,694	857,394	-11,300
29010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	82,118	744,000	+661,882
29050 TOTAL, RESERVE PERSONNEL, MARINE CORPS.....	950,812	1,601,394	+650,582
	=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
UNDISTRIBUTED ADJUSTMENT		-11,300	-11,300
Historical unobligated balances		-11,300	

## RESERVE PERSONNEL, AIR FORCE

Fiscal year 2020 appropriation .....	\$2,014,190,000
Fiscal year 2021 budget reques .....	2,207,823,000
Committee recommendation .....	2,179,763,000
Change from budget request .....	- 28,060,000

The Committee recommends an appropriation of \$2,179,763,000 for Reserve Personnel, Air Force which will provide the following program in fiscal year 2021:

(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).....	718,645	718,645	---
30150 PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	106,715	106,715	---
30200 PAY GROUP F TRAINING (RECRUITS).....	51,699	51,699	---
30250 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	2,412	2,412	---
30300 MOBILIZATION TRAINING.....	587	587	---
30350 SCHOOL TRAINING.....	196,375	196,375	---
30400 SPECIAL TRAINING.....	356,044	356,044	---
30450 ADMINISTRATION AND SUPPORT.....	689,523	689,523	---
30470 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	5,406	5,406	---
30500 EDUCATION BENEFITS.....	12,780	12,780	---
30550 HEALTH PROFESSION SCHOLARSHIP.....	64,599	64,599	---
30600 OTHER PROGRAMS (ADMIN & SUPPORT).....	3,038	3,038	---
30650 TOTAL, BUDGET ACTIVITY 1.....	2,207,823	2,207,823	---
30750 UNDISTRIBUTED ADJUSTMENT.....	---	-28,060	-28,060
	=====	=====	=====
31000 TOTAL, TITLE I, RESERVE PERSONNEL, AIR FORCE.....	2,207,823	2,179,763	-28,060
31010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	150,473	1,623,000	+1,472,527
31050 TOTAL, RESERVE PERSONNEL, AIR FORCE.....	2,358,296	3,802,763	+1,444,467
	=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[in thousands of dollars]

M-1	Budget Request	Committee Recommended	Change from Request
UNDISTRIBUTED ADJUSTMENT		-28,060	-28,060
Historical unobligated balances		-28,060	

## NATIONAL GUARD PERSONNEL, ARMY

Fiscal year 2020 appropriation .....	\$8,704,320,000
Fiscal year 2021 budget request .....	8,830,111,000
Committee recommendation .....	8,639,005,000
Change from budget request .....	– 191,106,000

The Committee recommends an appropriation of \$8,639,005,000 for National Guard Personnel, Army which will provide the following program in fiscal year 2021:



(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).....	2,711,190	2,711,190	---
32150 PAY GROUP F TRAINING (RECRUITS).....	549,848	549,848	---
32200 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	45,649	45,649	---
32250 SCHOOL TRAINING.....	575,633	575,633	---
32300 SPECIAL TRAINING.....	817,826	832,326	+14,500
32350 ADMINISTRATION AND SUPPORT.....	4,052,288	4,052,288	---
32370 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	29,324	29,324	---
32400 EDUCATION BENEFITS.....	48,353	48,353	---
32450 TOTAL, BUDGET ACTIVITY 1.....	8,830,111	8,844,611	+14,500
32600 UNDISTRIBUTED ADJUSTMENT.....	---	-207,140	-207,140
32610 TRAUMA TRAINING.....	---	1,534	+1,534
=====	=====	=====	=====
33000 TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, ARMY.....	8,830,111	8,639,005	-191,106
33010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	744,259	150,000	-594,259
33050 TOTAL, NATIONAL GUARD PERSONNEL, ARMY.....	9,574,370	8,789,005	-785,365
=====	=====	=====	=====

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[in thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Committee Recommended</b>	<b>Change from Request</b>
<b>BA-1: RESERVE COMPONENT TRAINING AND SUPPORT</b>			
<b>SPECIAL TRAINING</b>	<b>817,826</b>	<b>832,326</b>	<b>14,500</b>
Program increase - State Partnership Program		13,500	
Program increase - critical cybersecurity skillsets		1,000	
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-207,140</b>	<b>-207,140</b>
Historical unobligated balances		-207,140	
<b>TRAUMA TRAINING</b>		<b>1,534</b>	<b>1,534</b>

## NATIONAL GUARD PERSONNEL, AIR FORCE

Fiscal year 2020 appropriation .....	\$4,060,651,000
Fiscal year 2021 budget request .....	4,547,087,000
Committee recommendation .....	4,525,466,000
Change from budget request .....	- 21,621,000

The Committee recommends an appropriation of \$4,525,466,000 for National Guard Personnel, Air Force which will provide the following program in fiscal year 2021:

(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).....	949,382	949,382	---
34150 PAY GROUP F TRAINING (RECRUITS).....	97,078	97,078	---
34200 PAY GROUP P TRAINING (PIPELINE RECRUITS).....	7,829	7,829	---
34250 SCHOOL TRAINING.....	361,527	361,527	---
34300 SPECIAL TRAINING.....	245,500	252,177	+6,677
34350 ADMINISTRATION AND SUPPORT.....	2,857,955	2,857,955	---
34370 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	14,675	14,675	---
34400 EDUCATION BENEFITS.....	13,141	13,141	---
34450 TOTAL, BUDGET ACTIVITY 1.....	4,547,087	4,553,764	+6,677
34700 UNDISTRIBUTED ADJUSTMENT.....	---	-30,540	-30,540
34720 TRAUMA TRAINING.....	---	2,242	+2,242
=====	=====	=====	=====
35000 TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, AIR FORCE.	4,547,087	4,525,466	-21,621
35010 TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY) (PUBLIC LAW 108-375).....	279,223	279,000	-223
35050 TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE.....	4,826,310	4,804,466	-21,844
=====	=====	=====	=====

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

<b>M-1</b>	<b>Budget Request</b>	<b>Committee Recommended</b>	<b>Change from Request</b>
<b>BA-1: RESERVE COMPONENT TRAINING AND SUPPORT</b>			
<b>SPECIAL TRAINING</b>	<b>245,500</b>	<b>252,177</b>	<b>6,677</b>
Program increase - State Partnership Program		4,677	
Program increase - critical skillsets crosstraining		2,000	
<b>UNDISTRIBUTED ADJUSTMENT</b>		<b>-30,540</b>	<b>-30,540</b>
Historical unobligated balances		-30,540	
<b>TRAUMA TRAINING</b>		<b>2,242</b>	<b>2,242</b>



## TITLE II

### OPERATION AND MAINTENANCE

The fiscal year 2021 Department of Defense operation and maintenance budget request totals \$196,630,496,000. The Committee recommendation provides \$196,703,001,000 for the operation and maintenance accounts. The table below summarizes the Committee recommendations:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
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RECAPITULATION			
OPERATION & MAINTENANCE, ARMY.....	40,312,968	40,424,428	+111,460
OPERATION & MAINTENANCE, NAVY.....	49,692,742	49,248,117	-444,625
OPERATION & MAINTENANCE, MARINE CORPS.....	7,328,607	7,512,336	+183,729
OPERATION & MAINTENANCE, AIR FORCE.....	34,750,597	33,595,328	-1,155,269
OPERATION & MAINTENANCE, SPACE FORCE.....	2,531,294	2,498,544	-32,750
OPERATION & MAINTENANCE, DEFENSE-WIDE.....	38,649,079	38,967,817	+318,738
OPERATION & MAINTENANCE, ARMY RESERVE.....	2,934,717	3,004,717	+70,000
OPERATION & MAINTENANCE, NAVY RESERVE.....	1,127,046	1,155,746	+28,700
OPERATION & MAINTENANCE, MARINE CORPS RESERVE.....	284,656	322,706	+38,050
OPERATION & MAINTENANCE, AIR FORCE RESERVE.....	3,350,284	3,300,284	-50,000
OPERATION & MAINTENANCE, ARMY NATIONAL GUARD.....	7,420,014	7,611,147	+191,133
OPERATION & MAINTENANCE, AIR NATIONAL GUARD.....	6,753,642	6,853,942	+100,300
UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES...	15,211	15,211	---
ENVIRONMENTAL RESTORATION, ARMY.....	207,518	264,285	+56,767
ENVIRONMENTAL RESTORATION, NAVY.....	335,932	404,250	+68,318
ENVIRONMENTAL RESTORATION, AIR FORCE.....	303,926	509,250	+205,324
ENVIRONMENTAL RESTORATION, DEFENSE-WIDE.....	9,105	19,952	+10,847
ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES	216,587	288,750	+72,163
OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID.....	109,900	147,500	+37,600
COOPERATIVE THREAT REDUCTION ACCOUNT.....	238,490	360,190	+121,700
DOD ACQUISITION WORKFORCE DEVELOPMENT FUND.....	58,181	198,501	+140,320
	=====	=====	=====
GRAND TOTAL, OPERATION & MAINTENANCE.....	196,630,496	196,703,001	+72,505
	=====	=====	=====



REPROGRAMMING GUIDANCE FOR OPERATION AND MAINTENANCE  
ACCOUNTS

(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS  
FUNDING)

The Secretary of Defense is directed to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2021 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 this report is submitted to the House and Senate Defense Appropriations Subcommittees.

The Secretary of Defense is directed 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 \$10,000,000. In addition, the Secretary of Defense shall follow prior approval reprogramming procedures for transfers in excess of \$10,000,000 out of the following readiness sub-activity groups:

*Army:*

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

*Navy:*

- Mission and other flight operations
- Fleet air training
- Aircraft depot maintenance
- Mission and other ship operations
- Ship depot maintenance
- Combat support forces
- Facilities sustainment, restoration, and modernization
- Base operating support

*Marine Corps:*

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

*Air Force:*

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

Global C3I and early warning  
Base support

*Space Force:*

Global C3I and early warning  
Space operations  
Depot maintenance  
Contractor logistics support and system support  
Administration

*Defense-Wide:*

Office of the Secretary of Defense

*Air National Guard:*

Aircraft operations

Additionally, the Secretary of Defense is directed to use normal prior approval reprogramming procedures when implementing transfers in excess of \$10,000,000 into the following budget sub-activities:

*Operation and Maintenance, Army National Guard:*

Base operations support  
Facilities sustainment, restoration, and modernization

*Operation and Maintenance, Air National Guard:*

Aircraft operations  
Contractor logistics support and systems support

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 2021 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 \$10,000,000 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 this 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.

## QUARTERLY OPERATION AND MAINTENANCE 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 gains 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 this year with each of the Services and directs the Director of each of the Service's Operations Divisions (Financial Management and Budget) to continue to provide quarterly briefings to the House and Senate Appropriations Committees on their respective operation and maintenance execution rates in fiscal year 2021.

## RESTORING READINESS

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

## RECLAIMED REFRIGERANTS

Reclaiming refrigerant mitigates the need to create new and potentially contaminating 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 urges the Under Secretary of Defense (Acquisition and Sustainment) to give preference to the use of reclaimed refrigerants to service existing equipment in Department of Defense facilities.

## MEALS READY-TO-EAT WAR RESERVE

The Committee recommendation fully supports the fiscal year 2021 request for the Defense Logistics Agency for a minimum of 2,500,000 cases of meals ready-to-eat and reaffirms support for the War Reserve stock objective of 5,000,000 cases and the minimum sustaining rate for the industrial base.

## ADVERTISING

The Committee notes that, as the largest advertiser in the United States, the federal government should work to ensure fair access to its advertising contracts for small disadvantaged businesses and businesses owned by minorities and women. The Committee directs the Secretary of Defense to include with the fiscal year 2022 budget submission the total level of expenditures for fiscal year 2021 and the requested level of funding for fiscal year 2022 for all contracts for advertising services; contracts for advertising services by minority or women owned businesses; and contracts for advertising services by socially and economically dis-

advantaged small businesses (as defined in section 8(a)(4) of the Small Business Act (15 U.S.C. 637(a)(4))).

#### MINORITY AND WOMEN-OWNED BUSINESSES

The Committee is concerned that the Department of Defense does not take full advantage of the products and services available to the Department from minority and women-owned small businesses. The Committee directs the Secretary of Defense to submit a report to the congressional defense committees on the Department's efforts to work with minority and women-owned small businesses not later than 180 days after the enactment of this Act. The report shall specify the number and value of Department of Defense contracts for minority and women-owned small businesses and include a description of specific outreach programs the Department uses to reach minority and women-owned small businesses.

#### CLASSIFIED CONTRACTING FOR SMALL BUSINESSES

The Committee recognizes the vital role small businesses play in fostering technological innovation and expedited or novel approaches to acquisition within the national security enterprise. The Department of Defense and Intelligence Community benefit from these relationships that promote faster, more efficient, and cost-effective solutions to critical national security problems. Small businesses, however, can be disadvantaged given the non-trivial expenses associated with handling, transmitting, protecting, and storing classified information. These additional costs often manifest themselves as barriers to entry, giving rise to conditions that favor large and established contractors by providing them an implicit advantage over smaller businesses who cannot afford the added expense.

The Committee seeks solutions that allow new and non-traditional entrants to compete for classified contracts. The Committee, therefore, directs the Secretary of Defense and the Director of National Intelligence to submit a report to the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act which surveys programs and initiatives in both the Department of Defense and the Intelligence Community that incentivize outreach to small businesses and lessen the burden and need for dedicated, company-specific classified infrastructure. The report shall also address how the Department and the Intelligence Community can expand relationships with small businesses that may or may not include access to secure compartmentalized information facilities.

#### PILOT SHORTAGES

The Committee supports 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 Committee encourages the Secretary of the Air Force

to examine university-based training for Air Force ROTC cadets and civilian aviation students as pilots and sensor operators for remotely piloted aircraft.

#### MILITARY FUNERAL HONORS

The Committee is concerned that military funeral honors are not provided to eligible veterans due to the absence of the required DD 214 form. The Committee encourages the Secretary of Defense to consider accepting alternative proof of service in the event the family of a deceased veteran is unable to locate or provide the DD 214 form in a timely manner in accordance with their cultural funeral procedures.

#### BODY COMPOSITION TESTING

The Committee recognizes the need for body composition testing for servicemembers to be based on medically tested and scientifically accurate indicators of health and fitness. The Committee directs the Secretary of Defense, in coordination with the Service Secretaries, to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act on the status of changes to military fitness testing and the scientific evidence that led to the changes.

#### INVENTORY MANAGEMENT

The Committee remains concerned by the lack of accurate inventory management controls in place at the Department of Defense which often result in lost material, parts, and funding. The Committee directs the Secretary of Defense, in coordination with the Directors of the Defense Logistics Agency, the Defense Contract Management Agency, and the Defense Contract Audit Agency, to submit a report to the congressional defense committees not later than 60 days after the enactment of this Act that describes how the Department can better track its inventory. The report shall include possible recommendations on how to hold contractors liable for lost or unaccounted parts and materials, especially when contractors are on contract to provide inventory management.

#### LANGUAGE FLAGSHIP PROGRAM

The Committee recognizes the National Security Education Program provides training for servicemembers and civilians in languages and cultures critical to national security. The Committee is disappointed that the Secretary of Defense targeted the Language Flagship program for reduction during the Defense-Wide Review.

The Committee recommendation restores the funding removed in the budget request for this critical program and includes a total of \$16,000,000 for the program. The Committee encourages the Secretary of Defense to continue supporting programs that ensure warfighters receive the language and culture training needed to effectively complete missions. Additionally, the Committee directs the Secretary of Defense to submit a spend plan for this program's funding to the House and Senate Appropriations Committees not later than 15 days before the obligation of funds.

The Committee is concerned about the lack of military personnel with advanced language skills and believes this could be addressed by promoting foreign language study programs targeting elementary and secondary students. The National Defense Authorization Act for Fiscal Year 2020 authorized the development of a competitive grant program to provide support to eligible entities, including Department of Defense Education Activity schools, for the establishment, improvement, or expansion of world language study for this population. In support of this program, the Committee recommendation includes an additional \$15,000,000 for Department of Defense Education Activity schools. The Committee directs the Secretary of Defense to provide a detailed spend plan to the House and Senate Appropriations Committees for the implementation of the program, which should commence with the 2021-2022 academic year, not later than 45 days after the enactment of this Act.

Additionally, the Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than October 1, 2021 which lists the schools that receive funds, in what amount, how the funds were executed, as well as how the Department plans to expand the program to public schools in a local education agency that hosts a unit of the Junior Reserve Officers Corps Training Center, in the following academic year.

#### MILITARY FOOD TRANSFORMATION

The Committee remains concerned about the growing obesity crisis in the Department of Defense and its impact on military recruitment, readiness, and retention. The Committee is also concerned that the Department's current food system is overly complex and inefficient, which may result in higher costs per meal at dining facilities, unnecessary internal competition between on-base food service providers, and poor food service planning. Emphasis should be placed on providing nutritious food options at dining facilities and modernizing the on-base food system by using best practices from universities and industry partners.

The Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act on food transformation efforts. The report should include details of the Department's ongoing efforts, costs associated with each effort, and an outline for a potential demonstration pilot program at multiple military installations. The Committee also anticipates submission of the completed audit by the Comptroller General of a sample of the Services' dining facilities to determine whether the Services are accurately measuring meal card holder utilization rates, costs per meal, and all input costs such as food, operating, capital expenditures, facility sustainment, and military labor.

The Committee also notes that funds are collected from servicemembers' pay in order to provide government furnished meals to military personnel. The Committee is concerned that the Department is not using those funds efficiently or exclusively for the intended purpose. The Committee directs the Service Secretaries to submit a report to the congressional defense committees not later than December 1, 2020 with the following information from the previous fiscal year: the average daily number of

servicemembers on essential station messing (ESM); the total aggregate amount of Basic Allowance for Subsistence withheld from the pay of these same servicemembers for the purposes of providing them a government meal; the total number of meals consumed by ESM servicemembers using their meal entitlement; the total actual cost of the food purchased for the government-provided meals consumed by ESM; and to the extent the amount collected from ESM exceeds the amount spent on purchasing food for the meals consumed by these ESM, a detailed accounting of the difference to include the rationale for any spending for other purposes.

#### VIEQUES AND CULEBRA

The Committee remains concerned with 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 also is 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 in 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 each to 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 the types and amounts of ordnance used on Vieques and Culebra, as well as potential links between the ordnance used and 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.

#### INDIAN FINANCING ACT

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

#### PFOS/PFOA EXPOSURE ASSESSMENT

The National Defense Authorization Act for Fiscal Year 2020 authorized a study and assessment of the health implications of

perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) contamination in drinking water. The Committee recommendation includes \$15,000,000 for the study and assessment. The Committee also directs the Assistant Secretary of Defense (Energy, Installations, and Environment) to submit 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.

The Committee remains deeply concerned about PFOS/PFOA contamination on current and former domestic military installations. As the Department conducts its exposure assessment on all installations known to have PFOS/PFOA drinking water contamination, the Committee directs the Assistant Secretary of Defense (Energy, Installations, and Environment) to publicly release the measured levels of contamination found at each installation. For all remediation activities, the Department is directed to achieve a drinking water cleanup standard no higher than the threshold of the Environmental Protection Agency (EPA) health advisory level (currently 70 parts per trillion) for federally controlled sites and surrounding communities whose water sources were contaminated as a result of Department activities. Additionally, the Committee directs the Department to comply with the provisions of section 322 of the National Defense Authorization Act for Fiscal Year 2020. The Committee notes that today's currently available Aqueous Film Forming Foams (AFFF) contain Per- and Polyfluoroalkyl Substances (PFAS) and currently, none of the commercially available PFAS-free foams meet the Department's strict safety standards to rapidly extinguish dangerous fuel fires. The Committee understands that a prohibition on the use of current versions of AFFF would drastically reduce the ability of the Department's firefighters to fight fuel fires and increase risk to servicemembers and firefighters. However, due to the significant and salient public health risks associated with PFOS/PFOA contamination, the Committee urges the Secretary of Defense to expedite replacement of fluorinated AFFF throughout all branches of the military and cease use of AFFF prior to October 1, 2024.

#### PER- AND POLYFLUOROALKYL SUBSTANCES CLEANUP COST REPORTING

The Committee notes the creation of a Per- and Polyfluoroalkyl Substances (PFAS) Task Force to address the growing health concerns over releases of these substances and their effects on military installations and the surrounding communities. To support the Department's efforts, the Committee directs the Secretary of Defense to submit to the House and Senate Appropriations Committees, not later than 90 days after the enactment of this Act, and quarterly thereafter, a report on costs associated with investigating and cleaning up PFAS at sites with funding provided by either the environmental restoration or operation and maintenance appropriation accounts. The report shall provide, for each component and by installation name, for the investigation and cleanup of PFAS: the actual obligations through the end of fiscal year 2018; the actual obligations in fiscal year 2019; the planned and actual obligations in fiscal year 2020; the planned obligations for fiscal year 2021; and the estimated cost after fiscal year 2021.



## CHILDCARE

The Committee commends the Navy and the Air Force for increasing funding in their respective fiscal year 2021 budget requests for childcare programs, but notes with concern the proposed reductions by the Marine Corps and the Army in their budget requests for childcare. The Committee continues to believe that delays in providing affordable and acceptable childcare negatively impact the quality of life for servicemembers, Department of Defense civilian employees, and their families. Funding for these programs needs to be a priority for all components. The Committee recommendation provides additional funds for the Army and the Marine Corps and directs the Secretaries of the Army and the Navy to provide spend plans to the House and Senate Appropriations Committees not later than 30 days after the enactment of this Act.

The Committee was disappointed that it did not receive the report requested in House Report 116–84 and again directs the Service Secretaries to provide a report to the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act on their respective plans to address obstacles to childcare, whether it be additional childcare development centers, additional staff, pay rates for staff, or acceptable alternatives for fiscal year 2020 and in the future year defense program to ensure that these challenges are met.

The Committee is also concerned by reports of the impromptu closure of childcare facilities and directs the respective Service Secretary to notify the congressional defense committees not later than 30 days prior to a closure of any childcare facility, with the reason for closure, the number of children and families affected, and how the Service is assisting affected families in finding alternative childcare.

## MOVEMENT OF HOUSEHOLD GOODS

Last year the Committee expressed concern with the plans by the United States Transportation Command (USTRANSCOM) to award the global household goods contract to only one provider. On April 30, 2020, USTRANSCOM executed this plan; however, the Committee notes that on June 10, 2020, USTRANSCOM rescinded the award due to allegations of misinformation by the awardee in its application documents.

For these and other reasons, the Committee continues to have concerns and notes issues highlighted by a recent Government Accountability Office report related to the Global Household Goods Contract. The report recommends USTRANSCOM develop methodologies for adequate data collection during the first three years of the contract; outline a detailed plan on retraining and transferring current USTRANSCOM personnel, including precise funding and staffing needs; and provide a clear strategy for providing counseling services. Due to these highlighted deficiencies, the Committee directs the Secretary of Defense to provide a report to the congressional defense committees not later than September 30, 2021 on the execution of servicemember moves under the Global Household Goods Contract during fiscal year 2021. The report shall

include move timelines, customer claims and compensation related to damaged goods and missed moving windows, customer satisfaction surveys and survey response rates, data on moves provided by Transportation Service Providers (TSPs) versus Personally Procured Moves (PPM), the number and type of trainings and transfers of USTRANSCOM personnel and transportation specialists, and counseling services provided by government personnel vice TSPs.

The Committee is concerned that servicemembers may not receive the same access to choose PPM, also known as do-it-yourself moves, under the Global Household Goods Contract. Counseling services provided by TSPs are solely informational. When providing counseling services, nothing in the Global Household Goods Contract permits TSPs to influence servicemember choice of provider or moving method for PPM beyond providing information on the difference between a TSP move and a PPM. The contract also does not permit TSPs to restrict access to a specific PPM provider or option if that option was available to the servicemember prior to the Contract. The Committee encourages the Commander, USTRANSCOM to ensure that counseling for servicemembers is offered no matter what methodology of move a servicemember may choose to make.

Finally, the Committee notes that delays associated to COVID-19 could result in changes to possible savings originally stipulated in its fiscal year 2021 report and overall execution of the program. The Committee directs the Commander, USTRANSCOM to submit a report to the congressional defense committees, not later than 45 days after the enactment of this Act, and again, 180 days after the initial report, detailing the implementation effort and an update of possible savings broken out by Service across the future years defense program.

#### COLD WEATHER CLOTHING AND EQUIPMENT

The Committee commends the Services for providing cold weather and mountaineering clothing and equipment to servicemembers stationed abroad. Cold weather items including handwear, footwear, socks, balaclavas, water bottle parkas, canteens, and clothing layers manufactured with innovative, domestically-produced fabrics and textiles provide the warfighter with a distinct combat advantage. The Committee is concerned that procurement timelines for these items have been slowed by research, development, testing, and evaluation delays that prevent cold weather units from being issued the most effective items in a timely manner. The Committee encourages the Service Secretaries to review and accelerate procurement timelines for organizational clothing and individual equipment to all eligible servicemembers and utilize the domestic defense industrial base to provide the necessary clothing and equipment.

#### USE OF REMOTE PILOTING SYSTEMS

The Committee believes there should be parity between active and reserve components regarding the use of remotely piloted and unmanned aircraft systems for domestic emergency, search and rescue, and civil support activities. The Committee directs the Sec-

retary of Defense to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act on the Department's policies for all aspects of use of remote piloting for both active and reserve components. Aspects shall include use of remote and unmanned air systems for training, search and rescue, and support to other federal agencies. If differences exist between the active and reserve components in these areas, the report shall detail these reasons, to include the policy explanations and if there is a plan to examine, and possibly, change these differences.

#### OPERATION AND MAINTENANCE, ARMY

Fiscal year 2020 appropriation .....	\$39,597,083,000
Fiscal year 2021 budget request .....	40,312,968,000
Committee recommendation .....	40,424,428,000
Change from budget request .....	+111,460,000

The Committee recommends an appropriation of \$40,424,428,000 for Operation and Maintenance, Army which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST	
OPERATION AND MAINTENANCE, ARMY				
BUDGET ACTIVITY 1: OPERATING FORCES				
LAND FORCES				
20	MODULAR SUPPORT BRIGADES.....	159,834	137,834	-22,000
30	ECHELONS ABOVE BRIGADES.....	663,751	660,751	-3,000
40	THEATER LEVEL ASSETS.....	956,477	936,477	-20,000
50	LAND FORCES OPERATIONS SUPPORT.....	1,157,635	1,157,635	---
60	AVIATION ASSETS.....	1,453,024	1,381,024	-72,000
LAND FORCES READINESS				
70	FORCE READINESS OPERATIONS SUPPORT.....	4,713,660	4,651,660	-62,000
80	LAND FORCES SYSTEMS READINESS.....	404,161	394,161	-10,000
90	LAND FORCES DEPOT MAINTENANCE.....	1,413,359	1,363,359	-50,000
LAND FORCES READINESS SUPPORT				
100	BASE OPERATIONS SUPPORT.....	8,220,093	8,249,093	+29,000
110	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION..	3,581,071	4,146,071	+565,000
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS.....	411,844	411,844	---
COMBATANT COMMAND SUPPORT				
160	US AFRICA COMMAND.....	239,387	275,637	+36,250
170	US EUROPEAN COMMAND.....	160,761	161,011	+250
180	US SOUTHERN COMMAND.....	197,826	198,076	+250
190	US FORCES KOREA.....	65,152	65,152	---
200	CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS.....	430,109	430,109	---
210	CYBER SPACE ACTIVITIES - CYBERSECURITY.....	464,117	464,117	---
TOTAL, BUDGET ACTIVITY 1.....				
		24,692,261	25,084,011	+391,750
BUDGET ACTIVITY 2: MOBILIZATION				
MOBILITY OPERATIONS				
220	STRATEGIC MOBILITY.....	402,236	402,236	---
230	ARMY PREPOSITIONED STOCKS.....	324,306	324,306	---
240	INDUSTRIAL PREPAREDNESS.....	3,653	3,653	---
TOTAL, BUDGET ACTIVITY 2.....				
		730,195	730,195	---
BUDGET ACTIVITY 3: TRAINING AND RECRUITING				
ACCESSION TRAINING				
250	OFFICER ACQUISITION.....	165,142	165,142	---
260	RECRUIT TRAINING.....	76,509	71,509	-5,000
270	ONE STATION UNIT TRAINING.....	88,523	71,523	-17,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
280 SENIOR RESERVE OFFICERS TRAINING CORPS.....	535,578	535,578	---
BASIC SKILL AND ADVANCED TRAINING			
290 SPECIALIZED SKILL TRAINING.....	981,436	974,436	-7,000
300 FLIGHT TRAINING.....	1,204,768	1,204,768	---
310 PROFESSIONAL DEVELOPMENT EDUCATION.....	215,195	215,195	---
320 TRAINING SUPPORT.....	575,232	575,232	---
RECRUITING AND OTHER TRAINING AND EDUCATION			
330 RECRUITING AND ADVERTISING.....	722,612	717,612	-5,000
340 EXAMINING.....	185,522	185,522	---
350 OFF-DUTY AND VOLUNTARY EDUCATION.....	221,503	221,503	---
360 CIVILIAN EDUCATION AND TRAINING.....	154,651	152,151	-2,500
370 JUNIOR RESERVE OFFICERS TRAINING CORPS.....	173,286	182,486	+9,200
TOTAL, BUDGET ACTIVITY 3.....	5,299,957	5,272,657	-27,300
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
LOGISTICS OPERATIONS			
390 SERVICEWIDE TRANSPORTATION.....	491,926	491,926	---
400 CENTRAL SUPPLY ACTIVITIES.....	812,613	812,613	---
410 LOGISTICS SUPPORT ACTIVITIES.....	676,178	671,178	-5,000
420 AMMUNITION MANAGEMENT.....	437,774	437,774	---
SERVICEWIDE SUPPORT			
430 ADMINISTRATION.....	438,048	438,048	---
440 SERVICEWIDE COMMUNICATIONS.....	1,638,872	1,618,872	-20,000
450 MANPOWER MANAGEMENT.....	300,046	295,046	-5,000
460 OTHER PERSONNEL SUPPORT.....	701,103	701,103	---
470 OTHER SERVICE SUPPORT.....	1,887,133	1,850,193	-36,940
480 ARMY CLAIMS ACTIVITIES.....	195,291	195,291	---
490 REAL ESTATE MANAGEMENT.....	229,537	232,537	+3,000
500 FINANCIAL MANAGEMENT AND AUDIT READINESS.....	306,370	306,370	---
510 INTERNATIONAL MILITARY HEADQUARTERS.....	373,030	373,030	---
520 MISC. SUPPORT OF OTHER NATIONS.....	32,719	32,719	---
OTHER PROGRAMS			
OTHER PROGRAMS.....	1,069,915	1,070,615	+700
TOTAL, BUDGET ACTIVITY 4.....	9,590,555	9,527,315	-63,240
RESTORE READINESS.....	---	400,000	+400,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
HISTORICAL UNOBLIGATION.....	---	-75,000	-75,000
COVID RESUPPLY AND RECOVERY.....	---	175,000	+175,000
P.L. 115-68 IMPLEMENTATION AT COCOMS.....	---	250	+250
OVERESTIMATION OF CIVILIAN FTE TARGETS.....	---	-160,000	-160,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-530,000	-530,000
	=====	=====	=====
TOTAL, OPERATION AND MAINTENANCE, ARMY.....	40,312,968	40,424,428	+111,460
	=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
112 MODULAR SUPPORT BRIGADES Unjustified growth	159,834	137,834 -22,000	-22,000
113 ECHELONS ABOVE BRIGADES Unjustified growth	663,751	660,751 -3,000	-3,000
114 THEATER LEVEL ASSETS Unjustified growth	956,477	936,477 -20,000	-20,000
116 AVIATION ASSETS Unjustified growth	1,453,024	1,381,024 -72,000	-72,000
121 FORCE READINESS OPERATIONS SUPPORT Unjustified growth Transfer to MP,A line 13 Program increase - ultra lightweight camouflage net systems Program increase - cold weather clothing	4,713,660	4,651,660 -75,000 -10,000 20,000 3,000	-62,000
122 LAND FORCES SYSTEMS READINESS Army Futures Command excess personnel growth Unjustified growth	404,161	394,161 -6,000 -4,000	-10,000
123 LAND FORCES DEPOT MAINTENANCE Unjustified growth	1,413,359	1,363,359 -50,000	-50,000
131 BASE OPERATIONS SUPPORT Excess growth Unjustified growth Program increase - childcare Program increase - PFAS remediation	8,220,093	8,249,093 -19,000 -50,000 90,000 8,000	29,000
132 FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION Program increase Program increase - renaming installations and facilities	3,581,071	4,146,071 564,000 1,000	565,000
141 US AFRICA COMMAND Program increase - personnel recovery and casualty evacuation Program increase - implementation of P.L. 115-68	239,387	275,637 36,000 250	36,250
142 US EUROPEAN COMMAND Program increase - implementation of P.L. 115-68	160,761	161,011 250	250
143 US SOUTHERN COMMAND Program increase - implementation of P.L. 115-68	197,826	198,076 250	250

O-1	Budget Request	Committee Recommended	Change from Request
<b>312 RECRUIT TRAINING</b>	<b>76,509</b>	<b>71,509</b>	<b>-5,000</b>
Unjustified growth		-5,000	
<b>313 ONE STATION UNIT TRAINING</b>	<b>88,523</b>	<b>71,523</b>	<b>-17,000</b>
Unjustified growth		-12,500	
Excess personnel growth		-4,500	
<b>321 SPECIALIZED SKILL TRAINING</b>	<b>981,436</b>	<b>974,436</b>	<b>-7,000</b>
Excess personnel growth		-7,000	
<b>331 RECRUITING AND ADVERTISING</b>	<b>722,612</b>	<b>717,612</b>	<b>-5,000</b>
Unjustified growth		-5,000	
<b>334 CIVILIAN EDUCATION AND TRAINING</b>	<b>154,651</b>	<b>152,151</b>	<b>-2,500</b>
Excess personnel growth		-2,500	
<b>335 JUNIOR RESERVE OFFICERS TRAINING CORPS</b>	<b>173,286</b>	<b>182,486</b>	<b>9,200</b>
Program increase		9,200	
<b>423 LOGISTICS SUPPORT ACTIVITIES</b>	<b>676,178</b>	<b>671,178</b>	<b>-5,000</b>
Unjustified personnel growth		-5,000	
<b>432 SERVICEWIDE COMMUNICATIONS</b>	<b>1,638,872</b>	<b>1,618,872</b>	<b>-20,000</b>
Unjustified personnel growth		-8,000	
Unjustified growth		-12,000	
<b>433 MANPOWER MANAGEMENT</b>	<b>300,046</b>	<b>295,046</b>	<b>-5,000</b>
Unjustified growth		-5,000	
<b>435 OTHER SERVICE SUPPORT</b>	<b>1,887,133</b>	<b>1,850,193</b>	<b>-36,940</b>
Transfer to Defense Acquisition Workforce Development Account		-37,640	
Excess personnel increase		-4,000	
Program increase - Capitol Fourth		1,700	
Program increase - Women in Military Service Museum		3,000	
<b>437 REAL ESTATE MANAGEMENT</b>	<b>229,537</b>	<b>232,537</b>	<b>3,000</b>
Program increase - real estate inventory tool		3,000	
<b>411 OTHER PROGRAMS</b>	<b>1,069,915</b>	<b>1,070,615</b>	<b>700</b>
Program increase		700	



O-1	Budget Request	Committee Recommended	Change from Request
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-530,000	-530,000
RESTORE READINESS		400,000	400,000
HISTORICAL UNOBLIGATION		-75,000	-75,000
P.L. 115-68 IMPLEMENTATION		250	250
OVERESTIMATION OF CIVILIAN FTE TARGETS		-160,000	-160,000
COVID RESUPPLY AND RECOVERY		175,000	175,000

## SMALL BUSINESSES AND ARMY FUTURES COMMAND

The Committee is concerned with findings by the Government Accountability Office in its “Army Futures Command Should Take Steps to Improve Small Business Engagement for Research and Development” report, notably lack of coordination between the Army Futures Command and small businesses. The Committee recognizes the importance of small businesses to the entire Department of Defense enterprise and encourages the Commanding General, Army Futures Command, to develop methods to improve small business engagement for research and development. In addition, the Committee encourages the Commanding General, Army Futures Command, to coordinate with the Army Office of Small Business Programs in its engagement efforts.

## FACILITIES REDUCTION PROGRAM

The Committee is encouraged by the commitment of the Army to continue funding the complete disposal of potentially hazardous facilities at Aberdeen Proving Ground, including decommissioning, decontamination, and demolition through a phased approach under the Facilities Reduction Program. The Army has obligated funds, begun demolition, and programmed additional funds in the future to continue these efforts. The Committee encourages the Secretary of the Army to continue these efforts to ensure demolition activities continue. The Committee believes demolition of these facilities will result in cost savings on infrastructure, maintenance, and security of these unusable buildings; reduce the risk of contamination; and have a positive impact on other missions.

## OPERATION AND MAINTENANCE, NAVY

Fiscal year 2020 appropriation .....	\$47,622,510,000
Fiscal year 2021 budget request .....	49,692,742,000
Committee recommendation .....	49,248,117,000
Change from budget request .....	– 444,625,000

The Committee recommends an appropriation of \$49,248,117,000 for Operation and Maintenance, Navy which will provide the following program in fiscal year 2021:

(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.....	5,738,746	5,618,746	-120,000
20 FLEET AIR TRAINING.....	2,213,673	2,164,173	-49,500
30 AVIATION TECHNICAL DATA AND ENGINEERING SERVICES.....	57,144	57,144	---
40 AIR OPERATIONS AND SAFETY SUPPORT.....	171,949	171,949	---
50 AIR SYSTEMS SUPPORT.....	838,767	833,767	-5,000
60 AIRCRAFT DEPOT MAINTENANCE.....	1,459,447	1,447,447	-12,000
70 AIRCRAFT DEPOT OPERATIONS SUPPORT.....	57,789	57,789	---
80 AVIATION LOGISTICS.....	1,264,665	1,234,665	-30,000
SHIP OPERATIONS			
100 SHIP OPERATIONS SUPPORT AND TRAINING.....	1,117,067	1,107,067	-10,000
110 SHIP DEPOT MAINTENANCE.....	7,859,104	7,258,443	-600,661
120 SHIP DEPOT OPERATIONS SUPPORT.....	2,262,196	2,242,196	-20,000
COMBAT COMMUNICATIONS/SUPPORT			
130 COMBAT COMMUNICATIONS.....	1,521,360	1,502,360	-19,000
150 SPACE SYSTEMS AND SURVEILLANCE.....	274,087	274,087	---
160 WARFARE TACTICS.....	741,609	741,609	---
170 OPERATIONAL METEOROLOGY AND OCEANOGRAPHY.....	401,382	401,382	---
180 COMBAT SUPPORT FORCES.....	1,546,273	1,486,273	-60,000
190 EQUIPMENT MAINTENANCE.....	177,951	177,951	---
210 COMBATANT COMMANDERS CORE OPERATIONS.....	61,484	66,584	+5,100
220 COMBATANT COMMANDERS DIRECT MISSION SUPPORT.....	102,330	102,330	---
230 MILITARY INFORMATION SUPPORT OPERATIONS.....	8,810	8,810	---
240 CYBERSPACE ACTIVITIES.....	567,496	567,496	---
WEAPONS SUPPORT			
260 FLEET BALLISTIC MISSILE.....	1,428,102	1,428,102	---
280 WEAPONS MAINTENANCE.....	995,762	939,987	-55,775
290 OTHER WEAPON SYSTEMS SUPPORT .....	524,008	524,008	---
BASE SUPPORT			
300 ENTERPRISE INFORMATION TECHNOLOGY.....	1,229,056	1,209,056	-20,000
310 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	3,453,099	4,040,847	+587,748
320 BASE OPERATING SUPPORT.....	4,627,966	4,823,966	+196,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
TOTAL, BUDGET ACTIVITY 1.....	40,701,322	40,488,234	-213,088
BUDGET ACTIVITY 2: MOBILIZATION			
READY RESERVE AND PREPOSITIONING FORCES			
330 SHIP PREPOSITIONING AND SURGE.....	849,993	829,993	-20,000
340 READY RESERVE FORCE.....	436,029	436,029	---
ACTIVATIONS/INACTIVATIONS			
360 SHIP ACTIVATIONS/INACTIVATIONS.....	286,416	252,424	-33,992
MOBILIZATION PREPAREDNESS			
370 FLEET HOSPITAL PROGRAM.....	99,402	99,402	---
390 COAST GUARD SUPPORT.....	25,235	25,235	---
TOTAL, BUDGET ACTIVITY 2.....	1,697,075	1,643,083	-53,992
BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
ACCESSION TRAINING			
400 OFFICER ACQUISITION.....	186,117	176,117	-10,000
410 RECRUIT TRAINING.....	13,206	13,206	---
420 RESERVE OFFICERS TRAINING CORPS.....	163,683	163,683	---
BASIC SKILLS AND ADVANCED TRAINING			
430 SPECIALIZED SKILL TRAINING.....	947,841	930,841	-17,000
450 PROFESSIONAL DEVELOPMENT EDUCATION.....	367,647	347,647	-20,000
460 TRAINING SUPPORT.....	254,928	254,928	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
RECRUITING, AND OTHER TRAINING AND EDUCATION			
470 RECRUITING AND ADVERTISING.....	206,305	210,605	+4,300
480 OFF-DUTY AND VOLUNTARY EDUCATION.....	103,799	103,799	---
490 CIVILIAN EDUCATION AND TRAINING.....	66,060	66,060	---
500 JUNIOR ROTC.....	56,276	60,276	+4,000
TOTAL, BUDGET ACTIVITY 3.....	2,365,862	2,327,162	-38,700
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
SERVICEWIDE SUPPORT			
510 ADMINISTRATION.....	1,249,410	1,199,410	-50,000
530 CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT.....	189,625	189,625	---
540 MILITARY MANPOWER AND PERSONNEL MANAGEMENT.....	499,904	499,904	---
560 MEDICAL ACTIVITIES.....	196,747	196,747	---
LOGISTICS OPERATIONS AND TECHNICAL SUPPORT			
580 SERVICEWIDE TRANSPORTATION.....	165,708	165,708	---
600 PLANNING, ENGINEERING AND DESIGN.....	519,716	519,716	---
610 ACQUISITION AND PROGRAM MANAGEMENT.....	751,184	679,564	-71,620
SECURITY PROGRAMS			
650 NAVAL INVESTIGATIVE SERVICE.....	747,519	747,519	---
OTHER PROGRAMS			
OTHER PROGRAMS.....	608,670	616,195	+7,525
TOTAL, BUDGET ACTIVITY 4.....	4,928,483	4,814,388	-114,095
RESTORE READINESS.....	---	400,000	+400,000
HISTORICAL UNOBLIGATION.....	---	-50,000	-50,000
COVID RESUPPLY AND RECOVERY.....	---	175,000	+175,000
P.L. 115-68 IMPLEMENTATION AT COCOMS.....	---	250	+250
OVERESTIMATION OF CIVILIAN FTE TARGETS.....	---	-10,000	-10,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-540,000	-540,000
TOTAL, OPERATION AND MAINTENANCE, NAVY.....	49,692,742	49,248,117	-444,625

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
<b>1A1A MISSION AND OTHER FLIGHT OPERATIONS</b>	<b>5,738,746</b>	<b>5,618,746</b>	<b>-120,000</b>
Unjustified increase		-68,000	
Insufficient justification		-52,000	
<b>1A2A FLEET AIR TRAINING</b>	<b>2,213,673</b>	<b>2,164,173</b>	<b>-49,500</b>
Unjustified increase		-50,000	
Program increase - advanced skills management legacy systems upgrades		500	
<b>1A4N AIR SYSTEMS SUPPORT</b>	<b>838,767</b>	<b>833,767</b>	<b>-5,000</b>
Unjustified increase		-5,000	
<b>1A5A AIRCRAFT DEPOT MAINTENANCE</b>	<b>1,459,447</b>	<b>1,447,447</b>	<b>-12,000</b>
Insufficient justification		-12,000	
<b>1A9A AVIATION LOGISTICS</b>	<b>1,264,665</b>	<b>1,234,665</b>	<b>-30,000</b>
Unjustified increase		-30,000	
<b>1B2B SHIP OPERATIONS SUPPORT AND TRAINING</b>	<b>1,117,067</b>	<b>1,107,067</b>	<b>-10,000</b>
Unjustified increase		-10,000	
<b>1B4B SHIP DEPOT MAINTENANCE</b>	<b>7,859,104</b>	<b>7,258,443</b>	<b>-600,661</b>
Unjustified increase		-52,000	
Unjustified increase - early to need		-48,000	
Transfer to title IX		-500,661	
<b>1B5B SHIP DEPOT OPERATIONS SUPPORT</b>	<b>2,262,196</b>	<b>2,242,196</b>	<b>-20,000</b>
Unjustified increase		-13,000	
Unjustified personnel growth		-7,000	
<b>1C1C COMBAT COMMUNICATIONS</b>	<b>1,521,360</b>	<b>1,502,360</b>	<b>-19,000</b>
Unjustified increase		-19,000	
<b>1C6C COMBAT SUPPORT FORCES</b>	<b>1,546,273</b>	<b>1,486,273</b>	<b>-60,000</b>
Unjustified increase		-60,000	
<b>1CCH COMBATANT COMMANDERS CORE OPERATIONS</b>	<b>61,484</b>	<b>66,584</b>	<b>5,100</b>
Program increase - Asia Pacific Regional Initiative		4,600	
Program increase - implementation of P.L. 115-68		500	
<b>1D4D WEAPONS MAINTENANCE</b>	<b>995,762</b>	<b>939,987</b>	<b>-55,775</b>
Unjustified increase		-45,000	
Transfer to title XI		-10,775	
<b>BSIT ENTERPRISE INFORMATION TECHNOLOGY</b>	<b>1,229,056</b>	<b>1,209,056</b>	<b>-20,000</b>
Unjustified increase		-20,000	

O-1	Budget Request	Committee Recommended	Change from Request
<b>FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>			
<b>BSM1</b>	<b>3,453,099</b>	<b>4,040,847</b>	<b>587,748</b>
Program increase - fire and seismic protections for public shipyards		20,000	
Program increase		540,000	
Navy requested transfer from RDTE,N line 184		27,748	
<b>BSS1 BASE OPERATING SUPPORT</b>	<b>4,627,966</b>	<b>4,823,966</b>	<b>196,000</b>
Unjustified increase		-24,000	
Unjustified personnel growth		-6,000	
Program increase - PFAS remediation		11,000	
Program increase - mil spec fluorine-free fire-fighting agent		2,500	
Program increase - shipboard bilge water disposal		2,500	
Program increase		210,000	
<b>2A1F SHIP PREPOSITIONING AND SURGE</b>	<b>849,993</b>	<b>829,993</b>	<b>-20,000</b>
Unjustified increase		-20,000	
<b>2C1H SHIP ACTIVATIONS/INACTIVATIONS</b>	<b>286,416</b>	<b>252,424</b>	<b>-33,992</b>
Unjustified increase		-28,000	
Littoral Combat Ship inactivation		-5,992	
<b>3A1J OFFICER ACQUISITION</b>	<b>186,117</b>	<b>176,117</b>	<b>-10,000</b>
Insufficient justification		-10,000	
<b>3B1K SPECIALIZED SKILL TRAINING</b>	<b>947,841</b>	<b>930,841</b>	<b>-17,000</b>
Unjustified increase		-17,000	
<b>3B3K PROFESSIONAL DEVELOPMENT EDUCATION</b>	<b>367,647</b>	<b>347,647</b>	<b>-20,000</b>
Insufficient justification		-20,000	
<b>3C1L RECRUITING AND ADVERTISING</b>	<b>206,305</b>	<b>210,605</b>	<b>4,300</b>
Program increase - Sea Cadets		4,300	
<b>3C5L JUNIOR ROTC</b>	<b>56,276</b>	<b>60,276</b>	<b>4,000</b>
Program increase		4,000	
<b>4A1M ADMINISTRATION</b>	<b>1,249,410</b>	<b>1,199,410</b>	<b>-50,000</b>
Unjustified increase		-33,000	
Insufficient justification		-10,000	
Unjustified personnel growth		-7,000	
<b>4B3N ACQUISITION AND PROGRAM MANAGEMENT</b>	<b>751,184</b>	<b>679,564</b>	<b>-71,620</b>
Unjustified increase		-11,000	
Transfer to Defense Acquisition Workforce Development Account		-60,620	
<b>OTHER PROGRAMS</b>	<b>608,670</b>	<b>616,195</b>	<b>7,525</b>
Program increase		7,525	

O-1	Budget Request	Committee Recommended	Change from Request
RESTORE READINESS		400,000	400,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-540,000	-540,000
HISTORICAL UNOBLIGATION		-50,000	-50,000
IMPLEMENTATION OF P.L. 115-68		250	250
OVERESTIMATION OF CIVILIAN FTE TARGETS		-10,000	-10,000
COVID RESUPPLY AND RECOVERY		175,000	175,000



## ADVANCED SKILLS MANAGEMENT LEGACY SYSTEMS UPGRADES

The Committee is concerned by the lack of progress in transitioning the Advanced Skills Management (ASM) software system into a commercial-off-the-shelf (COTS) software system. The Committee is concerned that sustainment costs for this software system are unsustainable and that commercial software solutions currently being utilized by the Navy's Fleet Readiness Centers offer greater capability at reduced costs. Further, the Committee is increasingly concerned about the availability of the current ASM system to the user community given the antiquated nature of the software and need for increased remote telework capacity.

The Committee recommendation includes \$500,000 for the Navy to establish updated requirements for a COTS software solution to replace the existing ASM system. The Navy shall consider commercial solutions that are already developed, that need minimal customization work, and that are currently being fielded by industry partners who are conducting similar job functions at the NAVAIR Fleet Readiness Centers. The Navy shall also work with the entire ASM user community to incorporate feedback on capabilities that are needed in ASM that are available in a COTS product.

The Committee recommendation also includes \$10,000,000 in Other Procurement, Navy for the procurement, consistent with federal acquisition regulations, of a COTS solution to replace the ASM software system.

The Committee directs the Secretary of the Navy to submit a spend plan for the \$10,500,000 to the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act.

## CHINA LAKE NAVAL AIR WEAPONS STATION

The Committee continues to monitor efforts by the Department of the Navy to rebuild China Lake Naval Air Weapons Station after two earthquakes damaged the installation in July 2019. To further the recovery effort, the Navy requires the purchase of equipment, components, materials, services, and test and evaluation support. The Committee commends the Department of the Navy's recovery efforts to date and appreciates inclusion of validated funding requirements in the fiscal year 2021 budget submission. The Committee directs the Secretary of the Navy to provide the congressional defense committees with quarterly updates, beginning not later than 90 days after the enactment of this Act, on repair efforts, including any refinements to validated funding requirements.

## OPERATION AND MAINTENANCE, MARINE CORPS

Fiscal year 2020 appropriation .....	\$7,868,468,000
Fiscal year 2021 budget request .....	7,328,607,000
Committee recommendation .....	7,512,336,000
Change from budget request .....	+183,729,000

The Committee recommends an appropriation of \$7,512,336,000 for Operation and Maintenance, Marine Corps which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
OPERATION AND MAINTENANCE, MARINE CORPS			
BUDGET ACTIVITY 1: OPERATING FORCES			
10	EXPEDITIONARY FORCES		
	OPERATIONAL FORCES.....	941,143	865,140
			-76,003
20	FIELD LOGISTICS.....	1,277,798	1,277,798
			---
30	DEPOT MAINTENANCE.....	206,907	168,414
			-38,493
40	USMC PREPOSITIONING		
	MARITIME PREPOSITIONING.....	103,614	103,614
			---
50	COMBAT OPERATIONS/SUPPORT		
	CYBERSPACE ACTIVITIES.....	215,974	215,974
			---
60	BASE SUPPORT		
	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	938,063	1,016,063
			+78,000
70	BASE OPERATING SUPPORT.....	2,264,680	2,367,680
			+103,000
	TOTAL, BUDGET ACTIVITY 1.....	5,948,179	6,014,683
			+66,504
BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
80	ACCESSION TRAINING		
	RECRUIT TRAINING.....	20,751	20,751
			---
90	OFFICER ACQUISITION.....	1,193	1,193
			---
100	BASIC SKILLS AND ADVANCED TRAINING		
	SPECIALIZED SKILLS TRAINING.....	110,149	110,149
			---
110	PROFESSIONAL DEVELOPMENT EDUCATION.....	69,509	61,509
			-8,000
120	TRAINING SUPPORT.....	412,613	412,613
			---
130	RECRUITING AND OTHER TRAINING EDUCATION		
	RECRUITING AND ADVERTISING.....	215,464	215,464
			---
140	OFF-DUTY AND VOLUNTARY EDUCATION.....	33,719	33,719
			---
150	JUNIOR ROTC.....	25,784	28,584
			+2,800
	TOTAL, BUDGET ACTIVITY 3.....	889,182	883,982
			-5,200

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
-----			
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
SERVICEWIDE SUPPORT			
160 SERVICEWIDE TRANSPORTATION.....	32,005	32,005	---
170 ADMINISTRATION.....	399,363	399,363	---
SECURITY PROGRAMS			
SECURITY PROGRAMS.....	59,878	60,053	+175
-----			
TOTAL, BUDGET ACTIVITY 4.....	491,246	491,421	+175
RESTORE READINESS.....	---	150,000	+150,000
PROGRAM INCREASE - P.L. 115-68 IMPLEMENTATION.....	---	250	+250
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-78,000	-78,000
COVID RESUPPLY AND RECOVERY.....	---	50,000	+50,000
=====			
TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS.....	7,328,607	7,512,336	+183,729
=====			

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
<b>1A1A OPERATIONAL FORCES</b>	<b>941,143</b>	<b>865,140</b>	<b>-76,003</b>
Transfer to title IX		-63,000	
Insufficient justification		-10,300	
Deactivation of 2X companies		-1,761	
Unit deactivation		-2,942	
Program increase - cold weather clothing		2,000	
<b>1A3A DEPOT MAINTENANCE</b>	<b>206,907</b>	<b>168,414</b>	<b>-38,493</b>
Discontinue depot maintenance at Anniston		-38,493	
<b>FACILITIES SUSTAINMENT, RESTORATION &amp; BSM MODERNIZATION</b>	<b>938,063</b>	<b>1,016,063</b>	<b>78,000</b>
Program increase		78,000	
<b>BSS1 BASE OPERATING SUPPORT</b>	<b>2,264,680</b>	<b>2,367,680</b>	<b>103,000</b>
Unjustified personnel growth		-3,000	
Program increase - childcare programs		26,000	
Program increase - AFFF requirements		5,000	
Program increase		75,000	
<b>3B3C PROFESSIONAL DEVELOPMENT EDUCATION</b>	<b>69,509</b>	<b>61,509</b>	<b>-8,000</b>
Insufficient justification		-8,000	
<b>3C3F JUNIOR ROTC</b>	<b>25,784</b>	<b>28,584</b>	<b>2,800</b>
Program increase		2,800	
<b>4A7C SECURITY PROGRAMS</b>	<b>59,878</b>	<b>60,053</b>	<b>175</b>
Program increase		175	
<b>UNDISTRIBUTED REDUCTION - EXCESS TO NEED</b>		<b>-78,000</b>	<b>-78,000</b>
<b>IMPLEMENTATION OF P.L. 115-58</b>		<b>250</b>	<b>250</b>
<b>RESTORE READINESS</b>		<b>150,000</b>	<b>150,000</b>
<b>COVID RESUPPLY AND RECOVERY</b>		<b>50,000</b>	<b>50,000</b>

### OPERATION AND MAINTENANCE, AIR FORCE

Fiscal year 2020 appropriation .....	\$42,736,365,000
Fiscal year 2021 budget request .....	34,750,597,000
Committee recommendation .....	33,595,328,000
Change from budget request .....	- 1,155,269,000

The Committee recommends an appropriation of \$33,595,328,000 for Operation and Maintenance, Air Force which will provide the following program in fiscal year 2021:

(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.....	731,511	731,511	---
20	COMBAT ENHANCEMENT FORCES.....	1,275,485	1,272,985	-2,500
30	AIR OPERATIONS TRAINING.....	1,437,095	1,429,095	-8,000
50	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	3,241,216	3,731,216	+490,000
50	CYBERSPACE SUSTAINMENT.....	235,816	235,816	---
60	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT.....	1,508,342	---	-1,508,342
70	FLYING HOUR PROGRAM.....	4,458,457	4,458,457	---
80	BASE OPERATING SUPPORT.....	7,497,288	7,472,288	-25,000
COMBAT RELATED OPERATIONS				
90	GLOBAL C3I AND EARLY WARNING.....	849,842	840,842	-9,000
100	OTHER COMBAT OPERATIONS SUPPORT PROGRAMS.....	1,067,055	1,059,555	-7,500
110	CYBERSPACE ACTIVITIES.....	698,579	698,579	---
SPACE OPERATIONS				
140	SPACE CONTROL SYSTEMS.....	34,194	34,194	---
COCOM				
170	US NORTHCOM/NORAD.....	204,268	204,518	+250
180	US STRATCOM.....	526,809	527,059	+250
190	US CYBERCOM.....	314,524	314,774	+250
200	US CENTCOM.....	186,116	186,366	+250
210	US SOCOM.....	9,881	10,131	+250
220	US TRANSCOM.....	1,046	1,296	+250
230	USSPACECOM.....	249,022	249,272	+250

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
OPERATING FORCES CLASSIFIED PROGRAMS.....	1,289,339	1,289,339	---
TOTAL, BUDGET ACTIVITY 1.....	25,815,885	24,747,293	-1,068,592
BUDGET ACTIVITY 2: MOBILIZATION			
MOBILITY OPERATIONS			
230 AIRLIFT OPERATIONS.....	1,350,031	1,350,031	---
240 MOBILIZATION PREPAREDNESS.....	647,168	647,168	---
TOTAL, BUDGET ACTIVITY 2.....	1,997,199	1,997,199	---
BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
ACCESSION TRAINING			
280 OFFICER ACQUISITION.....	142,548	142,548	---
290 RECRUIT TRAINING.....	25,720	25,720	---
300 RESERVE OFFICER TRAINING CORPS (ROTC).....	128,295	128,295	---
BASIC SKILLS AND ADVANCED TRAINING			
330 SPECIALIZED SKILL TRAINING.....	417,335	417,335	---
340 FLIGHT TRAINING.....	615,033	615,033	---
350 PROFESSIONAL DEVELOPMENT EDUCATION.....	298,795	298,795	---
360 TRAINING SUPPORT.....	85,844	85,844	---
RECRUITING, AND OTHER TRAINING AND EDUCATION			
380 RECRUITING AND ADVERTISING.....	155,065	155,065	---
390 EXAMINING.....	4,474	4,474	---
400 OFF DUTY AND VOLUNTARY EDUCATION.....	219,349	219,349	---
410 CIVILIAN EDUCATION AND TRAINING.....	361,570	356,570	-5,000
420 JUNIOR ROTC.....	72,126	76,126	+4,000
TOTAL, BUDGET ACTIVITY 3.....	2,526,154	2,525,154	-1,000
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
LOGISTICS OPERATIONS			
430 LOGISTICS OPERATIONS.....	672,426	672,426	---
440 TECHNICAL SUPPORT ACTIVITIES.....	145,130	103,070	-42,060
SERVICEWIDE ACTIVITIES			
480 ADMINISTRATION.....	851,251	826,251	-25,000
490 SERVICEWIDE COMMUNICATIONS.....	28,554	28,554	---
500 OTHER SERVICEWIDE ACTIVITIES.....	1,188,414	1,182,414	-6,000
510 CIVIL AIR PATROL CORPORATION.....	28,772	43,205	+14,433

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
530 SUPPORT TO OTHER NATIONS			
INTERNATIONAL SUPPORT.....	158,803	158,803	---
SECURITY PROGRAMS			
SECURITY PROGRAMS.....	1,338,009	1,345,709	+7,700
TOTAL, BUDGET ACTIVITY 4.....	4,411,359	4,360,432	-50,927
RESTORE READINESS.....	---	400,000	+400,000
HISTORICAL UNOBLIGATION.....	---	-50,000	-50,000
COVID RESUPPLY AND RECOVERY.....	---	50,000	+50,000
P.L. 115-68 IMPLEMENTATION AT COCOMS.....	---	250	+250
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-435,000	-435,000
TOTAL, OPERATION AND MAINTENANCE, AIR FORCE.....	34,750,597	33,595,328	-1,155,269



EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
11C COMBAT ENHANCEMENT FORCES Unjustified personnel growth	1,275,485	1,272,985 -2,500	-2,500
11D AIR OPERATIONS TRAINING Insufficient justification	1,437,095	1,429,095 -8,000	-8,000
11R FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION Program increase	3,241,216	3,731,216 490,000	490,000
11W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT Transfer to title IX	1,508,342	0 -1,508,342	-1,508,342
11Z BASE OPERATING SUPPORT Unjustified personnel growth Insufficient justification	7,497,288	7,472,288 -3,000 -22,000	-25,000
12A GLOBAL C3I AND EARLY WARNING Insufficient justification	849,842	840,842 -9,000	-9,000
12C OTHER COMBAT OPERATIONS SUPPORT PROGRAMS Insufficient justification	1,067,055	1,059,555 -7,500	-7,500
15C US NORTHCOM/NORAD Program increase - implementation of P.L. 115-68	204,268	204,518 250	250
15D US STRATCOM Program increase - implementation of P.L. 115-68	526,809	527,059 250	250
15E US CYBERCOM Program increase - implementation of P.L. 115-68	314,524	314,774 250	250
15F US CENTCOM Program increase - implementation of P.L. 115-68	186,116	186,366 250	250
15G US SOCOM Program increase - implementation of P.L. 115-68	9,881	10,131 250	250
15H US TRANSCOM Program increase - implementation of P.L. 115-68	1,046	1,296 250	250
15X USSPACECOM Program increase - implementation of P.L. 115-68	249,022	249,272 250	250

O-1	Budget Request	Committee Recommended	Change from Request
33D CIVILIAN EDUCATION AND TRAINING	361,570	356,570	-5,000
Insufficient justification		-10,000	
Program increase - manufacturing for reverse engineering efforts		5,000	
33E JUNIOR ROTC	72,126	76,126	4,000
Program increase		4,000	
41B TECHNICAL SUPPORT ACTIVITIES	145,130	103,070	-42,060
Transfer to Defense Acquisition Workforce Development Account		-42,060	
42A ADMINISTRATION	851,251	826,251	-25,000
Insufficient justification		-25,000	
42G OTHER SERVICEWIDE ACTIVITIES	1,188,414	1,182,414	-6,000
Unjustified personnel growth		-6,000	
42I CIVIL AIR PATROL CORPORATION	28,772	43,205	14,433
Program increase		14,433	
43A SECURITY PROGRAMS	1,338,009	1,345,709	7,700
Program increase		7,700	
RESTORE READINESS		400,000	400,000
HISTORICAL UNOBLIGATION		-50,000	-50,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-435,000	-435,000
IMPLEMENTATION OF P.L. 115-68 AT COCOMS		250	250
COVID RESUPPLY AND RECOVERY		50,000	50,000

## DEPARTMENT OF THE AIR FORCE BUDGET JUSTIFICATION DOCUMENTS

The Committee is disappointed with the quality of the justification material and responses to inquiries received from all components of the Air Force for its operation and maintenance programs. Information was frequently vague and ill defined. For example, prior year baseline levels are not included for each requested increase; depot level increases are presented with overall baselines, instead of each airframe presented by baseline; and decreasing levels of activities are intermingled with lines requesting increases.

The Committee expects the Air Force to present a clearer picture of its budgetary requirements. Therefore, the Committee directs the Secretary of the Air Force to include the following changes in its fiscal year 2022 budget submission for operation and maintenance programs: (1) any request for an increase within a sub-activity group must include a baseline level for the specific program being increased, not the overall baseline of the sub-activity group; (2) depot and contractor maintenance activities should include baselines for each airframe; and (3) if activities are labeled “classified,” information on the increase should be presented in a classified format upon submission of the budget request.

## C-17

The C-17 aircraft is a strategic transport aircraft, able to airlift heavy cargo close to a battle area or an area in need of humanitarian assistance. The Committee understands that the Air Force is considering changing the mix of depot level heavy maintenance for its C-17 fleet from a contractor-managed, near equal split of organic and contractor depot heavy maintenance to all organic depot heavy maintenance. The Committee has reservations about this change in strategy because the current product support strategy for the C-17 has consistently demonstrated a mission capable rate above eighty percent. The Committee is also aware that the Air Force acknowledges that this change would result in a negative impact to performance.

Therefore, prior to obligating any funds to change the current C-17 product support strategy, the Committee directs the Secretary of the Air Force, in consultation with the Director of Cost Assessment and Program Evaluation, the Commander of United States Transportation Command, and the Chief of the National Guard Bureau, to certify to the congressional defense committees that such a change in product strategy will result in no additional costs to the Air Force over the next ten years as compared to the current product strategy.

## AIRCRAFT PROTECTION

The Committee recognizes the adverse impact that sunlight and hail can have on the readiness and service life of aircraft. Unprotected aircraft can sustain significant damage during hailstorms and long-term damage due to extensive sun exposure, creating additional, yet preventable, maintenance costs. The Committee encourages the Secretary of the Air Force to prioritize maintenance that may provide protection for aircraft to prevent damage caused by weather.

## AIR FORCE PILOT SHORTFALL

During the current fiscal year, the Air Force's pilot shortfall will increase to over 2,000, including more than 1,000 fewer fighter and bomber pilots than required. The Committee supports initiatives such as Pilot Training Next and other efforts to increase training throughput but is concerned that the differences between total force pilot requirements and actual output may be widening. The Committee will continue to monitor the Air Force's plan to grow undergraduate pilot training and increase programmed flying time. With these concerns in mind, the Committee believes augmenting existing pilot training with commercial capacity and expertise could create a scalable, rapidly deployable, temporary solution. To properly realize the benefits and value of a turn-key approach at a new location, any proposed program should maximize previous investments by the Air Force including, but not limited to, established special use airspace, required environmental studies, and locations previously investigated and approved for operations. To ensure the Air Force is developing plans to partner with industry and increase undergraduate pilot training, the Committee directs the Secretary of the Air Force to submit a report to the congressional defense committees not later than 30 days after the enactment of this Act which includes a five-year spend plan for establishing a contractor-operated undergraduate pilot training program.

## OPERATION AND MAINTENANCE, SPACE FORCE

Fiscal year 2020 appropriation .....	\$40,000,000
Fiscal year 2021 budget request .....	2,531,294,000
Committee recommendation .....	2,498,544,000
Change from budget request .....	- 32,750,000

The Committee recommends an appropriation of \$2,498,544,000 for Operation and Maintenance, Space Force which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
-----			
OPERATION AND MAINTENANCE, SPACE FORCE			
BUDGET ACTIVITY 1: OPERATING FORCES			
AIR OPERATIONS			
20 GLOBAL C3I & EARLY WARNING.....	276,109	269,109	-7,000
30 SPACE LAUNCH OPERATIONS.....	177,056	177,056	---
40 SPACE OPERATIONS.....	475,338	475,338	---
50 EDUCATION & TRAINING .....	18,660	18,660	---
60 SPECIAL PROGRAMS.....	137,315	137,315	---
70 DEPOT MAINTENANCE.....	250,324	250,324	---
80 CONTRACTOR LOGISTICS & SYSTEM SUPPORT.....	1,063,969	1,063,969	---
90 ADMINISTRATION.....	132,523	107,523	-25,000
-----			
TOTAL, BUDGET ACTIVITY 1.....	2,531,294	2,499,294	-32,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-750	-750
=====			
TOTAL, OPERATION AND MAINTENANCE, SPACE FORCE.....	2,531,294	2,498,544	-32,750
=====			

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
12A GLOBAL C3I & EARLY WARNING	276,109	269,109	-7,000
Insufficient justification		-7,000	
42A ADMINISTRATION	132,523	107,523	-25,000
Unjustified increase		-19,000	
Unjustified personnel growth		-6,000	
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-750	-750

# OPERATION AND MAINTENANCE, DEFENSE-WIDE

Fiscal year 2020 appropriation .....	\$37,491,073,000
Fiscal year 2021 budget request .....	38,649,079,000
Committee recommendation .....	38,967,817,000
Change from budget request .....	+318,738,000

The Committee recommends an appropriation of \$38,967,817,000 for Operation and Maintenance, Defense-Wide which will provide the following program in fiscal year 2021:

(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.....	439,111	424,111	-15,000
20 JOINT CHIEFS OF STAFF.....	535,728	535,728	---
30 JOINT CHIEFS OF STAFF - CYBER.....	24,728	24,728	---
40 SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES.....	1,069,971	1,058,818	-11,153
50 SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES.....	9,800	9,800	---
60 SPECIAL OPERATIONS COMMAND INTELLIGENCE.....	561,907	544,034	-17,873
70 SPECIAL OPERATIONS COMMAND MAINTENANCE.....	685,097	705,405	+20,308
80 SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS.....	158,971	166,738	+7,767
90 SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT.....	1,062,748	1,056,780	-5,968
100 SPECIAL OPERATIONS COMMAND THEATER FORCES.....	2,598,385	2,551,580	-46,805
TOTAL, BUDGET ACTIVITY 1.....	7,146,446	7,077,722	-68,724
BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
50 DEFENSE ACQUISITION UNIVERSITY.....	162,963	162,963	---
60 JOINT CHIEFS OF STAFF RECRUITING, AND OTHER TRAINING AND EDUCATION.....	95,684	95,684	---
70 SPECIAL OPERATIONS COMMAND.....	33,301	33,868	+567
TOTAL, BUDGET ACTIVITY 3.....	291,948	292,515	+567
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
80 CIVIL MILITARY PROGRAMS.....	147,993	281,167	+133,174
100 DEFENSE CONTRACT AUDIT AGENCY.....	604,835	623,835	+19,000
190 DEFENSE CONTRACT AUDIT AGENCY - CYBER.....	3,282	3,282	---
110 DEFENSE CONTRACT MANAGEMENT AGENCY.....	1,370,681	1,412,681	+42,000
210 DEFENSE CONTRACT MANAGEMENT AGENCY - CYBER.....	22,532	22,532	---
120 DEFENSE HUMAN RESOURCES ACTIVITY.....	799,952	880,232	+80,280
120 DEFENSE HUMAN RESOURCES ACTIVITY - CYBER.....	20,806	20,806	---
130 DEFENSE INFORMATION SYSTEMS AGENCY.....	1,883,190	1,853,190	-30,000
240 DEFENSE INFORMATION SYSTEMS AGENCY - CYBER.....	582,639	592,639	+10,000
150 DEFENSE LEGAL SERVICES AGENCY.....	37,637	37,637	---
160 DEFENSE LOGISTICS AGENCY.....	382,084	417,948	+35,864
170 DEFENSE MEDIA ACTIVITY.....	196,997	205,997	+9,000



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
180 DEFENSE POW /MISSING PERSONS OFFICE.....	129,225	154,225	+25,000
190 DEFENSE SECURITY COOPERATION AGENCY.....	598,559	659,225	+60,666
200 DEFENSE SECURITY SERVICE.....	949,008	949,008	---
340 DEFENSE SECURITY SERVICE - CYBER.....	9,577	9,577	---
220 DEFENSE TECHNOLOGY SECURITY AGENCY.....	38,432	38,432	---
230 DEFENSE THREAT REDUCTION AGENCY.....	591,780	591,780	---
400 DEFENSE THREAT REDUCTION AGENCY - CYBER.....	24,635	24,635	---
250 DEPARTMENT OF DEFENSE EDUCATION ACTIVITY.....	2,941,429	3,006,429	+65,000
280 OFFICE OF ECONOMIC ADJUSTMENT.....	40,272	179,272	+139,000
290 OFFICE OF THE SECRETARY OF DEFENSE.....	1,540,446	1,577,946	+37,500
420 MISSILE DEFENSE AGENCY.....	505,858	505,858	---
470 OFFICE OF THE SECRETARY OF DEFENSE - CYBER.....	51,630	51,630	---
480 SPACE DEVELOPMENT AGENCY.....	48,166	32,677	-15,489
310 WASHINGTON HEADQUARTERS SERVICES.....	340,291	333,291	-7,000
OTHER PROGRAMS.....	17,348,749	17,361,149	+12,400
TOTAL, BUDGET ACTIVITY 4.....	31,210,685	31,827,080	+616,395
SEXUAL TRAUMA TREATMENT PILOT PROGRAM.....	---	4,000	+4,000
ATOMIC VETERANS SERVICE MEDAL .....	---	4,000	+4,000
P.L. 115-68 IMPLEMENTATION.....	---	1,500	+1,500
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-239,000	-239,000
TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE.....	38,649,079	38,967,817	+318,738

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
1PL1 JOINT CHIEFS OF STAFF	439,111	424,111	-15,000
Insufficient justification		-15,000	
SPECIAL OPERATIONS COMMAND COMBAT			
1PL6 DEVELOPMENT ACTIVITIES	1,069,971	1,058,818	-11,153
Civilian pay adjustment		5,485	
JIB realignment		-1,638	
Classified adjustment		-15,000	
1PLU SPECIAL OPERATIONS COMMAND INTELLIGENCE	561,907	544,034	-17,873
Civilian pay adjustment		8,445	
JIB realignment		1,638	
SOF organic ISR excess to need		-15,000	
DOMEX insufficient budget justification		-13,000	
Classified adjustment - excess to need		-2,000	
Program increase - classified adjustment		2,044	
1PL7 SPECIAL OPERATIONS COMMAND MAINTENANCE	685,097	705,405	20,308
Dry combat submersible excess to need		-1,692	
Program increase - 137th SOW		22,000	
SPECIAL OPERATIONS COMMAND			
1PLM MANAGEMENT/OPERATIONAL HEADQUARTERS	158,971	166,738	7,767
Civilian pay adjustment		7,767	
SPECIAL OPERATIONS COMMAND OPERATIONAL			
1PLV SUPPORT	1,062,748	1,056,780	-5,968
Civilian pay adjustment		7,191	
Dry combat submersible excess to need		-891	
Long haul communications insufficient budget justification		-14,667	
SOF deployable nodes insufficient budget justification		-9,855	
MQ-9 operations insufficient budget justification		-4,746	
RAA/VAK excess to need		-15,000	
Program increase - identity management		10,000	
Program increase - FSRM projects		22,000	
1PLR SPECIAL OPERATIONS COMMAND THEATER FORCES	2,598,385	2,551,580	-46,805
Civilian pay adjustment		-29,455	
Dry combat submersible excess to need		-4,950	
Flying hours program excess to need		-12,400	
3EV8 SPECIAL OPERATIONS COMMAND	33,301	33,868	567
Civilian pay adjustment		567	

O-1	Budget Request	Committee Recommended	Change from Request
<b>4GT3 CIVIL MILITARY PROGRAMS</b>	<b>147,993</b>	<b>281,167</b>	<b>133,174</b>
Program increase - National Guard Youth Challenge		75,122	
Program increase - Starbase		41,167	
Program increase - Innovative Readiness Training		16,885	
<b>4GT6 DEFENSE CONTRACT AUDIT AGENCY</b>	<b>604,835</b>	<b>623,835</b>	<b>19,000</b>
Program increase - defense-wide review reductions funding restoration		19,000	
<b>4GTO DEFENSE CONTRACT MANAGEMENT AGENCY</b>	<b>1,370,681</b>	<b>1,412,681</b>	<b>42,000</b>
Program increase - defense-wide review reductions funding restoration		42,000	
<b>4GT8 DEFENSE HUMAN RESOURCES ACTIVITY</b>	<b>799,952</b>	<b>880,232</b>	<b>80,280</b>
Insufficient justification		-13,000	
Program increase - Defense Language and National Security Education Office - defense-wide review reductions funding restoration		30,000	
Program increase - Language Flagship program		6,000	
Program increase - Federal Voting Assistance Program - defense-wide review reductions funding restoration		2,280	
Program increase - defense-wide review reductions funding restoration		6,000	
Program increase - Defense Equal Opportunity Management Institute Workforce Recruitment Program - defense-wide review reductions funding restoration		2,000	
Program increase - Special Victims' Counsel		40,000	
Program increase - Defense Suicide Prevention Office		2,000	
Program increase - Sexual Assault Prevention and Response Office		5,000	
<b>4GT9 DEFENSE INFORMATION SYSTEMS AGENCY</b>	<b>1,883,190</b>	<b>1,853,190</b>	<b>-30,000</b>
JAIC insufficient justification		-30,000	
<b>4GU9 DEFENSE INFORMATION SYSTEMS AGENCY - CYBER</b>	<b>582,639</b>	<b>592,639</b>	<b>10,000</b>
Program increase - comply to connect		10,000	
<b>4GTB DEFENSE LOGISTICS AGENCY</b>	<b>382,084</b>	<b>417,948</b>	<b>35,864</b>
Program increase - Procurement Technical Assistance Program		22,364	
Program increase - maternity uniform pilot program		10,000	
Program increase - homeless blankets program		3,500	
<b>ES18 DEFENSE MEDIA ACTIVITY</b>	<b>196,997</b>	<b>205,997</b>	<b>9,000</b>
Program increase - Stars and Stripes - defense-wide review reductions funding restoration		9,000	
<b>4GTC DEFENSE POW /MISSING PERSONS OFFICE</b>	<b>129,225</b>	<b>154,225</b>	<b>25,000</b>
Program increase - defense-wide review reductions funding restoration		25,000	

O-1	Budget Request	Committee Recommended	Change from Request
<b>4GTD DEFENSE SECURITY COOPERATION AGENCY</b>	<b>598,559</b>	<b>659,225</b>	<b>60,666</b>
Transfer from National Defense Strategy Implementation Account to Combating Terrorism and Irregular Warfare Fellowship Program		-24,723	
Transfer to Combating Terrorism and Irregular Warfare Fellowship Program from National Defense Strategy Implementation Account		24,723	
Transfer from National Defense Strategy Implementation Account to Ministry of Defense Advisors Program		-7,650	
Transfer to Ministry of Defense Advisors Program from National Defense Strategy Implementation Account		7,650	
Program decrease - National Defense Strategy Implementation Account Professional Military Education Programs		-3,000	
Transfer from National Defense Strategy Implementation Account to International Security Cooperation Programs		-375,324	
Transfer to International Security Cooperation Programs from National Defense Strategy Implementation Account		375,324	
Transfer from Drug Interdiction and Counter-Drug Activities to International Security Cooperation Programs with countries in NORTHCOM		8,926	
Transfer from Drug Interdiction and Counter-Drug Activities to International Security Cooperation Programs with countries in SOUTHCOM		17,080	
Program increase - International Security Cooperation Programs with countries in AFRICOM		11,949	
Program increase - International Security Cooperation Programs with countries in SOUTHCOM		43,473	
Program increase - International Security Cooperation Programs womens' programs		3,000	
Program increase - Regional Centers		3,925	
Transfer from DSCA Headquarters to Claims Litigation Support		-3,636	
Transfer to Claims Litigation Support from DSCA Headquarters		3,636	
Program decrease - DSCA Headquarters		-3,706	
Unjustified growth - Institute for Security Governance		-20,981	
<b>4GTJ DEPARTMENT OF DEFENSE EDUCATION ACTIVITY</b>	<b>2,941,429</b>	<b>3,006,429</b>	<b>65,000</b>
Program increase - world language grants		15,000	
Program increase - Impact Aid		40,000	
Program increase - Impact Aid for children with disabilities		10,000	
<b>4GTM OFFICE OF ECONOMIC ADJUSTMENT</b>	<b>40,272</b>	<b>179,272</b>	<b>139,000</b>
Program increase - defense-wide review reductions funding restoration		20,000	
Program increase - defense community infrastructure program		50,000	
Program increase - Guam public health laboratory		19,000	
Program increase - noise mitigation community partnership		50,000	

O-1	Budget Request	Committee Recommended	Change from Request
<b>4GTN OFFICE OF THE SECRETARY OF DEFENSE</b>	<b>1,540,446</b>	<b>1,577,946</b>	<b>37,500</b>
Office of Cost Assessment and Program Evaluation excess personnel growth		-3,000	
Office of the Chief Management Officer excess personnel growth		-10,000	
Office of the Under Secretary for Acquisition and Sustainment excess personnel growth		-3,000	
Office of the Under Secretary for Research and Engineering excess personnel growth		-2,000	
Office of the Under Secretary for Policy excess personnel growth		-3,500	
Program increase - Readiness Environmental Protection Initiative		30,000	
Program increase - CDC water contamination study and assessment		15,000	
Program increase - DASD environment civilian growth		2,000	
Program increase - Information assurance scholarship program		12,000	
<b>ES14 SPACE DEVELOPMENT AGENCY</b>	<b>48,166</b>	<b>32,677</b>	<b>-15,489</b>
Insufficient justification		-15,489	
<b>4GTQ WASHINGTON HEADQUARTERS SERVICES</b>	<b>340,291</b>	<b>333,291</b>	<b>-7,000</b>
Insufficient justification		-7,000	
<b>999 OTHER PROGRAMS</b>	<b>17,348,749</b>	<b>17,361,149</b>	<b>12,400</b>
Program decrease		12,400	
<b>SEXUAL TRAUMA TREATMENT PILOT PROGRAM</b>		<b>4,000</b>	<b>4,000</b>
<b>ATOMIC VETERANS SERVICE MEDAL</b>		<b>4,000</b>	<b>4,000</b>
<b>UNDISTRIBUTED REDUCTION - EXCESS TO NEED</b>		<b>-239,000</b>	<b>-239,000</b>
<b>IMPLEMENTATION OF P.L. 115-68</b>		<b>1,500</b>	<b>1,500</b>

READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION  
PROGRAM

The Committee continues to support the Readiness and Environmental Protection Integration (REPI) program. The REPI program advances important military goals by implementing conservation easements to buffer the off-base impacts of military activities. The Committee sees positive examples of how productive the program can be by looking at progress along the Chesapeake Bay and encourages the Secretary of Defense to replicate these activities nation-wide. The Committee also encourages the Secretary of Defense to prioritize REPI projects that leverage other federal and non-federal funding sources to deploy best management practices on lands conserved through REPI.

DEFENSE COMMUNITY INFRASTRUCTURE PROGRAM

The Committee recommendation includes \$50,000,000 for the Defense Community Infrastructure Program. The Committee is disappointed that the Secretary of Defense did not swiftly allocate funds to specific projects with the \$50,000,000 provided in the Department of Defense Appropriations Act, 2020, waiting until mid-May, or over five months from date of enactment, to provide direction to the Office of Economic Adjustment for execution. The Committee is also dismayed about the parameters the Secretary of Defense has instituted for execution of this program in fiscal year 2020, particularly the distinct lack of interaction with military communities, the exact group this program was created to assist. The parameters determined for use of the Defense Community Infrastructure Program seem to fund activities not funded in other sections of the bill, for example, daycare facilities and hospitals. The Committee is also disappointed to learn that the Department does not expect to include funding for this program in its fiscal year 2022 budget request.

Given this divergence from congressional intent, the Committee directs that, prior to the obligation of funds, yet not later than 30 days after the enactment of this Act, the Secretary of Defense provide a spend plan to the congressional defense committees on the use of the fiscal year 2021 funding.

SERVICE-PROVIDED SUPPORT AND ENABLING CAPABILITIES TO UNITED  
STATES SPECIAL OPERATIONS FORCES

The Committee directs the Service Secretaries and the Secretary of Defense on behalf of the defense agencies to include with the fiscal year 2022 budget submission and each subsequent year thereafter, a consolidated budget justification display showing Service-common support and enabling capabilities contributed from each of the military Services and defense agencies to special operations forces. The report shall include a detailed accounting of the resources allocated by each Service or defense agency at the appropriation and line item level to provide combat support, combat service support, training, base operating support, pay and allowances, and enabling capabilities or other common services and support for special operations forces. The exhibit shall also include an

identification of any changes in the level or type of support in the current fiscal year when compared to the preceding year.

#### THEATER SPECIAL OPERATIONS COMMAND ACTIVITIES

The Committee directs the Assistant Secretary of Defense (Special Operations/Low Intensity Conflict), in coordination with the Commander of United States Special Operations Command, the Service Secretaries, and the Chairman of the Joint Chiefs of Staff, to provide a report on the activities of Theater Special Operations Commands (TSOCs). The report shall be provided with the fiscal year 2022 budget request submission and include a detailed accounting of activities performed by the TSOCs in the preceding year, current fiscal year, and current budget request submission at the budget line item level of detail. The report shall include a detailed accounting of resources allocated by the military Services, United States Special Operations Command, and the combatant commands.

#### MILITARY INFORMATION SUPPORT OPERATIONS

Over the past decade, the bulk of activities under Military Information Support Operations (MISO) focused on countering violent extremist organizations (VEO). While VEOs remain an ongoing threat and require continued vigilance, peer and near-peer adversaries like China and Russia are using social media and other vectors to weaken domestic and international institutions and undermine United States interests. This new information environment and the difficulty of discriminating between real and fake information heightens the importance of enhancing and coordinating United States government information-related capabilities as a tool of diplomatic and military strategy.

The Committee recognizes the efforts and accomplishments of the United States Special Operations Command and other agencies within the executive branch to operate in the digital domain. However, it is difficult to view individual agency activities as a coordinated whole of government effort. Over the past several years, the classified annex accompanying annual Department of Defense Appropriations Acts included direction focusing on the individual activities of geographic combatant commands. However, information messaging strategies to counter Chinese and Russian malign influences cuts across these geographic boundaries and requires coordination between multiple government agencies using different authorities.

Therefore, in order to better understand how MISO activities support a whole of government messaging strategy, the Committee directs the Assistant Secretary of Defense (Special Operations/Low Intensity Conflict) to submit a report for MISO activities for the individual geographic combatant commands justified by the main pillars of the National Defense Strategy to the House and Senate Appropriations Committees not later than 15 days after submission of the fiscal year 2022 budget request and annually thereafter. The report shall include spend plans identifying the requested and enacted funding levels for both voice and internet activities and how those activities are coordinated with the Intelligence Community and the Department of State. The enacted levels will serve as the

baseline for reprogramming in accordance with section 8007 of this Act. Furthermore, the Committee directs the Assistant Secretary of Defense (Special Operations/Low Intensity Conflict) to submit to the congressional defense committees, not later than 90 days after the end of the fiscal year, an annual report that provides details on each combatant commands' MISO activities by activity name, description, goal or objective, target audience, dissemination means, executed funds, and assessments of their effectiveness. Additional details for the report are included in the classified annex accompanying this Act.

#### SPECIAL OPERATIONS COMMAND COLD WEATHER TACTICAL OUTERWEAR

The United States Special Operations Command's (USSOCOM) Lost Arrow Project has developed technical outerwear that reduces burden on the operator while extending capability at lower extreme temperatures. The Committee understands that USSOCOM has identified a critical need for this system to address near-term operational requirements and encourages the Commander, USSOCOM to accelerate procurement of these systems.

#### 137TH SPECIAL OPERATIONS WING

The Committee supports the 137th Special Operations Wing (SOW) and believes that reductions to the unit were misguided as part of the Defense Wide Review. Therefore, the Committee recommendation includes \$22,000,000 to support the MC-12 mission in fiscal year 2021. Furthermore, the Committee recognizes the unique role the 137th SOW serves and directs the Commander, United States Special Operations Command, to internally resource deployment costs in fiscal year 2021.

#### DEFENSE POW/MIA ACCOUNTING AGENCY

The Committee commends the work of the Defense POW/MIA Accounting Agency (DPAA) and appreciates its continual efforts to return the remains of fallen servicemembers, even as challenges inhibit its ability to execute its mission, such as foreign government obstruction or COVID-19. However, the Committee is concerned that the Services are not prioritizing activities that directly support DPAA. The Committee believes that the Services must ensure that their efforts to collect DNA family reference samples are as swift as possible to ensure that the DPAA can execute its mission and give the families of fallen heroes the closure they seek.

#### PERFLUORINATED CHEMICALS CONTAMINATION AND FIRST RESPONDER EXPOSURE

The Committee remains concerned with the health implications of exposure to perfluorinated chemicals (PFCs), including the increased rate of cancer in Department of Defense firefighter and first responder personnel. The Committee understands there are ongoing efforts to develop an alternative firefighting foam that meets military requirements and is free from PFCs that have been linked to higher rates of certain cancers. Given the lack of definitive guidance around exposure levels, the Committee encourages



the Secretary of Defense to accelerate adoption of other forms of foam that meet military specifications and do not contain PFCs. Further, the Committee understands that testing for firefighters for exposure to PFCs has begun. The Committee is encouraged by these efforts but believes that additional measures need to be taken. The Committee directs the Assistant Secretary of Defense (Health Affairs) to update the House and Senate Appropriations Committees not later than 180 days after the enactment of this Act on the Department's plan to test and track potential first responder exposure to these chemicals as part of their existing, annual medical surveillance exams.

#### CLIMATE CHANGE REPORT

The Committee notes the Secretary of Defense is required to submit a report which contains a list of the top ten most climate-vulnerable bases within each Service and provides a cost estimate to mitigate the risks at each of these bases to the congressional defense committees as directed in House Report 116–84. The Committee understands the Department is working with the Army Corps of Engineers to develop a tool to meet this requirement and better assess exposure to extreme weather and climate impacts. The Committee understands the Department expects to complete this tool and report by the end of September 2020. The Committee expects the Secretary of Defense to update the congressional defense committees with any changes to the anticipated date of completion for the tool and report.

#### SPECIAL MEASURES AGREEMENT

The Committee recognizes the United States-South Korea alliance as foundational for peace and security on the Korean Peninsula and throughout the region. The Committee encourages the Secretary of Defense to coordinate with the Secretary of State to support good faith negotiations with the Republic of Korea government that result in a fair and equitable five-year Special Measures Agreement.

#### COMPOSTING OF SHREDDED GOVERNMENT DOCUMENTS

The Committee encourages the Secretary of Defense to study the financial and environmental impacts of composting shredded government documents.

#### DEFENSE SECURITY COOPERATION AGENCY PROGRAMS

The Committee recommendation provides \$659,225,000 for base programs administered by the Defense Security Cooperation Agency (DSCA) and an additional \$1,651,296,000 in title IX for overseas contingency operations. The Committee notes the significant unobligated balances from prior appropriations and the disruption of programs due to the COVID–19 pandemic.

Section 8120 of the Act requires that a spend plan be submitted prior to the initial obligation of funds. The Committee expects the Director of DSCA to ensure the appropriate distribution of funds with two-year availability, which accounts for more than half of the funding provided. The Act also requires quarterly reports on the

use and status of funds, which shall include amounts appropriated, obligated, and expended for each budget activity and sub-activity for DSCA, including base and overseas contingency operations funding. The spend plan and quarterly reports should include such information for each program listed in the OP-5 budget justification document for DSCA as modified by this Act and report.

The Committee does not recommend funding for a proposed National Defense Strategy Implementation Account and notes that the implementation of the National Defense Strategy extends well beyond the scope of programs funded under this heading. Instead, the Committee recommends funding for International Security Cooperation Programs, the Combating Terrorism and Irregular Warfare Fellowship Program, and the Ministry of Defense Advisors Program.

The Committee recommendation provides \$1,141,048,000 for International Security Cooperation Programs. The Committee directs that congressional notifications submitted for such programs specify the funding source (including fiscal year and base or overseas contingency operations), whether such funds support ongoing or new programs, and the duration and expected cost over the life of each program.

The Committee recommendation rejects several reductions proposed in the budget request. The recommendation provides not less than \$160,000,000, an increase of \$63,377,963 above the request, for International Security Cooperation Programs with countries in the Africa Command area of responsibility. The recommendation also provides not less than \$130,000,000, an increase of \$60,553,073 above the request, for International Security Cooperation Programs with countries in the Southern Command area of responsibility.

The Committee recommendation transfers \$26,006,000 requested for international programs under Drug Interdiction and Counter-Drug Activities, Defense to this heading to build the capacity of countries in the Northern Command and Southern Command areas of responsibility to counter illicit drug trafficking. More broadly, the Committee notes that counter-illicit drug trafficking programs supported under this heading should complement, not replace programs supported by the Department of State, and urges close coordination between both departments. The Committee directs that notifications submitted by DSCA for counter-illicit drug trafficking programs include information on related programs being conducted by other federal agencies.

The Committee recommendation provides \$220,000,000, an increase of \$10,928,776 above the request, for International Security Cooperation Programs with countries in the Central Command area of responsibility. Not less than \$105,250,000 is included for Jordan, which is the same as the budget request. The Committee directs that such amounts be specified in the spend plan required by this Act. The Committee also supports programs to enhance security along the Tajikistan-Afghanistan border.

The Committee directs that such funds provided above the request for International Security Cooperation Programs be used to enhance existing programs with countries such as Colombia, and to continue programs for countries that would otherwise not receive

funding under the budget request submission, including Morocco, Oman, and Costa Rica.

The Committee recommendation provides \$290,662,471 for International Security Cooperation Programs with countries in the Indo-Pacific Command area of responsibility, as requested, including for maritime security programs.

The Committee notes the ongoing conflict in eastern Ukraine due to Russian aggression. Last year, the Organization for Security and Cooperation in Europe Special Monitoring Mission to Ukraine recorded 299,633 cease-fire violations, 3,373 explosions, and 148 civilian casualties. The Committee also notes Ukraine's contributions to NATO operations and welcomes the selection of Ukraine as one of six enhanced opportunities partners, which will increase access to programs, exercises, and information sharing.

The Committee recommendation continues support for the defense of Ukraine by providing \$275,000,000 for the Ukraine Security Assistance Initiative, an increase of \$25,000,000 above the request. The recommendation does not provide additional funding for Ukraine under International Security Cooperation Programs. The Committee expects the Government of Ukraine to continue to adopt and implement reforms in the security sector and to reduce corruption in the security services and directs the Secretary of Defense to update the report required by House Report 116-84 not later than 90 days after the enactment of this Act.

The Committee is concerned with the inability of the Department of Defense to obligate funds for the Ukraine Security Assistance Initiative in a timely manner. The recommendation includes language exempting funds from apportionment and requires the Secretary of Defense to inform the congressional defense committees if funds have not been obligated 60 days after a congressional notification is submitted. Furthermore, the Committee directs the Secretary of Defense, in coordination with the Director of DSCA, to review the Department's policies and procedures with respect to funding for the Ukraine Security Assistance Initiative, and to submit a report to the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act on steps taken to improve the delivery and timeliness of assistance.

The Committee recommendation provides \$292,612,243, an increase of \$6,174,901 above the request, for International Security Cooperation Programs with countries in the European Command area of responsibility. The Committee supports efforts to strengthen deterrence against Russian aggression. The Committee recommendation provides \$150,000,000 for International Security Cooperation Programs with Estonia, Latvia and Lithuania through the Baltic Security Initiative, including \$50,000,000 to enhance the integrated air defense of such countries. Such amounts shall be included under the European Command area of responsibility in the spend plan required by this Act. Additionally, not later than 90 days after the enactment of this Act and prior to the initial obligation of funds for the Baltic Security Initiative, the Secretary of Defense, in coordination with the Secretary of State, is directed to submit a strategy to the congressional defense committees for the Baltic Security Initiative, which shall include goals, objectives, and milestones for programs supported by the initiative, as well as in-

formation on the capabilities of each country and their financial contributions towards their own security, the NATO alliance, and programs supported by the initiative.

The Committee recommends a focus on programs that advance the recruitment, employment, development, retention, and promotion of women in foreign security forces. Not later than 90 days after the enactment of this Act, the Committee directs the Secretary of Defense to submit a report to the congressional defense committees on DSCA programs and policies that advance such goals. The report shall include information on current programs, including funding that supports such programs, and the results. The Secretary shall consult with the House and Senate Appropriations Committees prior to the obligation of additional funding provided for International Security Cooperation Programs women's programs.

The Committee supports training for foreign security forces in human rights, which is a required component of building partnership capacity programs. The Committee directs that notifications submitted for such programs include information on the subject matter, type, duration, and cost of such training.

The Committee supports the provision of Department of Defense excess defense articles to enhance the security of partners countries but notes that such programs could operate in a more strategic manner. The Secretary of Defense is currently required to submit a report that contains a list of expected defense articles that are likely to become available for transfer during the next 12 months, and another report that contains a list of countries eligible for such transfers. The Committee recommends greater integration of the information contained in these two reports, as well as how proposed transfers can be integrated into an overall country security cooperation plan. The Committee directs the Director of DSCA to consult with the House and Senate Appropriations Committees not later than 45 days after the enactment of this Act on efforts to improve such programs.

The Committee recommendation includes funds above the request for DSCA Regional Centers and notes the important role that these centers play in building strong and sustainable international networks of security leaders, which furthers United States objectives and leadership.

The Committee recommendation includes \$21,814,000 for DSCA headquarters. The Committee is concerned with the apparent lack of budget controls to ensure DSCA adheres to congressionally directed levels for headquarters expenses and includes language limiting such costs.

The Committee recommendation includes funding requested under this heading for the Lift and Sustain program, which provides support to allied forces participating in a combined operation with the armed forces of the United States and coalition forces supporting military and stability operations. The Committee is concerned, however, with the proper management and execution of prior year funds by the Department of Defense. The Committee directs the Secretary of Defense to assess the policies and procedures in place for this program and, not later than 60 days after the enactment of this Act and prior to the initial obligation of funds pro-

vided in this Act for these purposes, to submit a report to the House and Senate Appropriations Committees detailing changes made to address such problems, including those made at the recommendation of the Government Accountability Office. The Committee also expects the Secretary of Defense to promptly notify the Committees upon any finding of a similar issue in the future.

The Committee recommendation includes requested funding for border security, including support to Jordan and Tunisia.

#### ZERO TRUST ARCHITECTURE

The Committee encourages the Secretary of Defense to implement a Zero Trust Architecture to increase its cybersecurity posture and enhance the Department's ability to protect its systems and data.

#### NOISE MITIGATION COMMUNITIES PARTNERSHIPS

The Committee is aware of the negative effects that jet noise has on communities near installations with airfields. Given the concerns raised by communities, the Committee directs the Secretary of Defense to utilize the noise assessments found in environmental impact studies (EIS) to measure the level of jet noise generated by aviation assets and to make that noise measurement data available to affected communities. If an EIS assessment has already determined the effects of noise to the surrounding community to be damaging to the local community, that assessment should be used as the underlying data for consideration of relief. Data should be assessed from communities near both active and reserve installations with airfields.

After reviews of the EIS are completed, the Committee directs the Office of Economic Adjustment to work with communities and the Service Secretaries to find measures that would mitigate any impacts from noise caused by defense aviation activities, with special attention to communities with new airframes. All types of mitigation efforts should be considered for implementation. The Committee directs the Office of Economic Adjustment to submit a report to the congressional defense committees not later than 180 days after the enactment of this Act on the progress it has made reviewing each of the assessments, to date, with a list of the communities involved, the timeline for completion of all of the assessments for each of the communities with installations with airfields, examples of tools to mitigate the impact of jet noise, and the costs involved in each of these steps.

To ensure the program is resourced for success, the Committee recommendation includes \$50,000,000, to be used over two years, to provide grants to communities affected by excessive noise. Grants to communities shall be provided on a priority basis determined by the participating communities to entities such as hospitals, daycare facilities, schools, senior citizen facilities, and private homes within a mile of the airfield.

### OPERATION AND MAINTENANCE, ARMY RESERVE

Fiscal year 2020 appropriation .....	\$2,984,494,000
Fiscal year 2021 budget request .....	2,934,717,000
Committee recommendation .....	\$3,004,717,000
Change from budget request .....	+70,000,000

The Committee recommends an appropriation of \$3,004,717,000 for Operation and Maintenance, Army Reserve which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST	
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OPERATION AND MAINTENANCE, ARMY RESERVE				
BUDGET ACTIVITY 1: OPERATING FORCES				
LAND FORCES				
10	MODULAR SUPPORT BRIGADES.....	10,784	9,784	-1,000
20	ECHELONS ABOVE BRIGADES.....	530,425	530,425	---
30	THEATER LEVEL ASSETS.....	123,737	122,737	-1,000
40	LAND FORCES OPERATIONS SUPPORT.....	589,582	579,582	-10,000
50	AVIATION ASSETS.....	89,332	87,832	-1,500
LAND FORCES READINESS				
60	FORCES READINESS OPERATIONS SUPPORT.....	387,545	387,545	---
70	LAND FORCES SYSTEM READINESS.....	97,569	97,569	---
80	DEPOT MAINTENANCE.....	43,148	43,148	---
LAND FORCES READINESS SUPPORT				
90	BASE OPERATIONS SUPPORT.....	587,098	587,098	---
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	327,180	435,180	+108,000
110	MANAGEMENT AND OPERATIONS HEADQUARTERS.....	28,783	28,783	---
120	CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS.....	2,745	2,745	---
130	CYBERSPACE ACTIVITIES - CYBERSECURITY.....	7,438	7,438	---
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TOTAL, BUDGET ACTIVITY 1.....		2,825,366	2,919,866	+94,500
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES				
ADMINISTRATION AND SERVICEWIDE ACTIVITIES				
120	SERVICEWIDE TRANSPORTATION.....	15,530	15,530	---
130	ADMINISTRATION.....	17,761	17,761	---
140	SERVICEWIDE COMMUNICATIONS.....	14,256	14,256	---
150	PERSONNEL/FINANCIAL ADMINISTRATION .....	6,564	6,564	---
160	RECRUITING AND ADVERTISING.....	55,240	55,240	---
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TOTAL, BUDGET ACTIVITY 4.....		109,351	109,351	---
HISTORICAL UNOBLIGATION.....		---	-1,500	-1,500
OVERESTIMATION OF CIVILIAN FTE TARGETS.....		---	-20,000	-20,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....		---	-33,000	-33,000
RESTORE READINESS.....		---	30,000	+30,000
=====				
TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE.....		2,934,717	3,004,717	+70,000
=====				

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
112 MODULAR SUPPORT BRIGADES	10,784	9,784	-1,000
Unjustified growth		-1,000	
114 THEATER LEVEL ASSETS	123,737	122,737	-1,000
Unjustified growth		-1,000	
115 LAND FORCES OPERATIONS SUPPORT	589,582	579,582	-10,000
Unjustified growth		-8,400	
Unjustified personnel growth		-1,600	
116 AVIATION ASSETS	89,332	87,832	-1,500
Unjustified growth		-1,500	
132 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	327,180	435,180	108,000
Program increase		108,000	
HISTORICAL UNOBLIGATION		-1,500	-1,500
RESTORE READINESS		30,000	30,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-33,000	-33,000
OVERESTIMATION OF CIVILIAN FTE TARGETS		-20,000	-20,000



# OPERATION AND MAINTENANCE, NAVY RESERVE

Fiscal year 2020 appropriation .....	\$1,102,616,000
Fiscal year 2021 budget request .....	1,127,046,000
Committee recommendation .....	1,155,746,000
Change from budget request .....	+28,700,000

The Committee recommends an appropriation of \$1,155,746,000 for Operation and Maintenance, Navy Reserve which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST	
OPERATION AND MAINTENANCE, NAVY RESERVE				
BUDGET ACTIVITY 1: OPERATING FORCES				
10	RESERVE AIR OPERATIONS MISSION AND OTHER FLIGHT OPERATIONS.....	635,070	632,070	-3,000
20	INTERMEDIATE MAINTENANCE.....	8,713	8,713	---
30	AIRCRAFT DEPOT MAINTENANCE.....	105,088	105,088	---
40	AIRCRAFT DEPOT OPERATIONS SUPPORT.....	398	398	---
50	AVIATION LOGISTICS.....	27,284	27,284	---
RESERVE SHIP OPERATIONS				
70	RESERVE COMBAT OPERATIONS SUPPORT COMBAT COMMUNICATIONS.....	17,894	17,894	---
80	COMBAT SUPPORT FORCES.....	132,862	131,362	-1,500
90	CYBERSPACE ACTIVITIES.....	453	453	---
RESERVE WEAPONS SUPPORT				
100	ENTERPRISE INFORMATION TECHNOLOGY.....	26,073	26,073	---
BASE OPERATING SUPPORT				
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	48,762	55,062	+6,300
120	BASE OPERATING SUPPORT.....	103,580	103,580	---
TOTAL, BUDGET ACTIVITY 1.....				
	1,106,177	1,107,977	+1,800	
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES				
ADMINISTRATION AND SERVICEWIDE ACTIVITIES				
130	ADMINISTRATION.....	1,927	1,927	---
140	MILITARY MANPOWER & PERSONNEL.....	15,895	15,895	---
160	ACQUISITION AND PROGRAM MANAGEMENT.....	3,047	3,047	---
TOTAL, BUDGET ACTIVITY 4.....				
	20,869	20,869	---	
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....				
	---	-3,100	-3,100	
RESTORE READINESS.....				
	---	30,000	+30,000	
TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE.....				
	1,127,046	1,155,746	+28,700	

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
1A1A MISSION AND OTHER FLIGHT OPERATIONS Insufficient justification	635,070	632,070 -3,000	-3,000
1C6C COMBAT SUPPORT FORCES Unjustified increase	132,862	131,362 -1,500	-1,500
FACILITIES SUSTAINMENT, RESTORATION & BSMI MODERNIZATION Program increase	48,762	55,062 6,300	6,300
RESTORE READINESS		30,000	30,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-3,100	-3,100

# OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

Fiscal year 2020 appropriation .....	\$289,076,000
Fiscal year 2021 budget request .....	284,656,000
1Committee recommendation .....	322,706,000
Change from budget request .....	+38,050,000

The Committee recommends an appropriation of \$322,706,000 for Operation and Maintenance, Marine Corps Reserve which will provide the following program in fiscal year 2021:

(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.....	104,616	104,616	---
20	DEPOT MAINTENANCE.....	17,053	17,053	---
30	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	41,412	50,412	+9,000
40	BASE OPERATING SUPPORT.....	107,773	107,773	---
-----				
	TOTAL, BUDGET ACTIVITY 1.....	270,854	279,854	+9,000
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES				
ADMINISTRATION AND SERVICEWIDE ACTIVITIES				
60	ADMINISTRATION.....	13,802	13,802	---
-----				
	TOTAL, BUDGET ACTIVITY 4.....	13,802	13,802	---
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-950	-950
	RESTORE READINESS.....	---	30,000	+30,000
=====				
	TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	284,656	322,706	+38,050
=====				

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[in thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
FACILITIES SUSTAINMENT, RESTORATION & BSM MODERNIZATION	41,412	50,412	9,000
Program increase		9,000	
RESTORE READINESS		30,000	30,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-950	-950

# OPERATION AND MAINTENANCE, AIR FORCE RESERVE

Fiscal year 2020 appropriation .....	\$3,227,318,000
Fiscal year 2021 budget request .....	3,350,284,000
Committee recommendation .....	3,300,284,000
Change from budget request .....	– 50,000,000

The Committee recommends an appropriation of \$3,300,284,000 for Operation and Maintenance, Air Force Reserve which will provide the following program in fiscal year 2021:

(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.....	1,782,016	1,767,016	-15,000
20 MISSION SUPPORT OPERATIONS.....	215,209	214,209	-1,000
30 DEPOT MAINTENANCE.....	453,896	453,896	---
40 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	103,414	153,414	+50,000
70 CYBERSPACE ACTIVITIES.....	2,259	2,259	---
50 CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT.....	224,977	224,977	---
60 BASE OPERATING SUPPORT.....	452,468	446,468	-6,000
TOTAL, BUDGET ACTIVITY 1.....	3,234,239	3,262,239	+28,000
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
70 ADMINISTRATION.....	74,258	74,258	---
80 RECRUITING AND ADVERTISING.....	23,121	23,121	---
90 MILITARY MANPOWER AND PERSONNEL MANAGEMENT.....	12,006	12,006	---
100 OTHER PERSONNEL SUPPORT.....	6,165	6,165	---
110 AUDIOVISUAL.....	495	495	---
TOTAL, BUDGET ACTIVITY 4.....	116,045	116,045	---
HISTORICAL UNOBLIGATION.....	---	-3,000	-3,000
OVERESTIMATION OF CIVILIAN FTE TARGETS.....	---	-60,000	-60,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-45,000	-45,000
RESTORE READINESS.....	---	30,000	+30,000
TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE.	3,350,284	3,300,284	-50,000



**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
11A PRIMARY COMBAT FORCES	1,782,016	1,767,016	-15,000
Insufficient justification		-15,000	
11G MISSION SUPPORT OPERATIONS	215,209	214,209	-1,000
Insufficient justification		-1,000	
11R FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	103,414	153,414	50,000
Program increase		50,000	
11Z BASE OPERATING SUPPORT	452,468	448,468	-6,000
Insufficient justification		-3,500	
Unjustified personnel growth		-2,500	
RESTORE READINESS		30,000	30,000
HISTORICAL UNOBLIGATION		-3,000	-3,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-45,000	-45,000
OVERESTIMATION OF CIVILIAN FTE TARGETS		-60,000	-60,000

# OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

Fiscal year 2020 appropriation .....	\$7,461,947,000
Fiscal year 2021 budget request .....	7,420,014,000
Committee recommendation .....	7,611,147,000
Change from budget request .....	+191,133,000

The Committee recommends an appropriation of \$7,611,147,000 for Operation and Maintenance, Army National Guard which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
BUDGET ACTIVITY 1: OPERATING FORCES			
10 LAND FORCES MANEUVER UNITS.....	769,449	769,449	---
20 MODULAR SUPPORT BRIGADES.....	204,604	204,604	---
30 ECHELONS ABOVE BRIGADE.....	812,072	812,072	---
40 THEATER LEVEL ASSETS.....	103,650	101,150	-2,500
50 LAND FORCES OPERATIONS SUPPORT.....	32,485	32,485	---
60 AVIATION ASSETS.....	1,011,142	1,011,142	---
70 LAND FORCES READINESS FORCE READINESS OPERATIONS SUPPORT.....	712,881	713,414	+533
80 LAND FORCES SYSTEMS READINESS.....	47,732	47,732	---
90 LAND FORCES DEPOT MAINTENANCE.....	265,408	263,908	-1,500
100 LAND FORCES READINESS SUPPORT BASE OPERATIONS SUPPORT.....	1,106,704	1,154,304	+47,600
110 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	876,032	1,064,032	+188,000
120 MANAGEMENT AND OPERATIONAL HEADQUARTERS.....	1,050,257	1,050,257	---
130 CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS.....	7,998	8,998	+1,000
140 CYBERSPACE ACTIVITIES - CYBERSECURITY.....	7,756	7,756	---
TOTAL, BUDGET ACTIVITY 1.....	7,008,170	7,241,303	+233,133
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
130 ADMINISTRATION AND SERVICEWIDE ACTIVITIES SERVICEWIDE TRANSPORTATION.....	8,018	8,018	---
140 ADMINISTRATION.....	74,309	78,309	+4,000
150 SERVICEWIDE COMMUNICATIONS.....	66,140	66,140	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
160 MANPOWER MANAGEMENT.....	9,087	9,087	---
170 RECRUITING AND ADVERTISING.....	251,714	251,714	---
180 REAL ESTATE MANAGEMENT.....	2,576	2,576	---
TOTAL, BUDGET ACTIVITY 4.....	411,844	415,844	+4,000
HISTORICAL UNOBLIGATION.....	---	-5,000	-5,000
RESTORE READINESS.....	---	103,000	+103,000
OVERESTIMATION OF CIVILIAN FTE TARGETS.....	---	-50,000	-50,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-94,000	-94,000
TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD.	7,420,014	7,611,147	+191,133

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
114 THEATER LEVEL ASSETS Insufficient justification	103,650	101,150 -2,500	-2,500
121 FORCE READINESS OPERATIONS SUPPORT Program increase - advanced trauma training program	712,881	713,414 533	533
123 LAND FORCES DEPOT MAINTENANCE Insufficient justification	265,408	263,908 -1,500	-1,500
131 BASE OPERATIONS SUPPORT Program increase - PFAS remediation	1,106,704	1,154,304 47,600	47,600
132 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION Program increase	876,032	1,064,032 188,000	188,000
151 CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS Program increase - cyber security training center	7,998	8,998 1,000	1,000
431 ADMINISTRATION Program increase - State Partnership Program Program increase - State Partnership virtual language	74,309	78,309 3,500 500	4,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-94,000	-94,000
HISTORICAL UNOBLIGATION		-5,000	-5,000
RESTORE READINESS		103,000	103,000
OVERESTIMATION OF CIVILIAN FTE TARGETS		-50,000	-50,000

## JOINT FORCE HEADQUARTERS ANALYSIS CELLS

Intelligence fusion centers are information sharing hubs that provide threat-related information to federal, state, and local agencies. These centers allow the flexibility to determine which critical infrastructure areas merit the dedication of resources on each governmental level. The Committee recognizes that the National Guard Bureau is developing a Joint Force Headquarters Analysis Cell concept to expand state-level intelligence capabilities. As this work progresses, the Committee encourages the Chief, National Guard Bureau to consult with state-level entities, particularly individual state National Guard units who specialize in this area, to integrate key aspects of concepts that have already proved successful at the state level.

## OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

Fiscal year 2020 appropriation .....	\$6,655,292,000
Fiscal year 2021 budget request .....	6,753,642,000
Committee recommendation .....	6,853,942,000
Change from budget request .....	+100,300,000

The Committee recommends an appropriation of \$6,853,942,000 for Operation and Maintenance, Air National Guard which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
BUDGET ACTIVITY 1: OPERATING FORCES			
10 AIR OPERATIONS			
AIRCRAFT OPERATIONS.....	2,476,205	2,464,205	-12,000
20 MISSION SUPPORT OPERATIONS.....	611,325	615,125	+3,800
30 DEPOT MAINTENANCE.....	1,138,919	1,118,919	-20,000
40 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION ..	323,605	433,605	+110,000
80 CYBERSPACE ACTIVITIES.....	16,380	16,380	---
80 CYBERSPACE SUSTAINMENT.....	27,028	27,028	---
50 CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT.....	1,100,828	1,100,828	---
60 BASE OPERATING SUPPORT.....	962,438	978,938	+16,500
TOTAL, BUDGET ACTIVITY 1.....	6,656,728	6,755,028	+98,300
BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
SERVICEWIDE ACTIVITIES			
70 ADMINISTRATION.....	48,218	48,218	---
80 RECRUITING AND ADVERTISING.....	48,696	45,696	-3,000
TOTAL, BUDGET ACTIVITY 4.....	96,914	93,914	-3,000
HISTORICAL UNOBLIGATION.....	---	-10,000	-10,000
RESTORE READINESS.....	---	100,000	+100,000
OVERESTIMATION OF CIVILIAN FTE TARGETS.....	---	-25,000	-25,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-60,000	-60,000
TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD..	6,753,642	6,853,942	+100,300

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
11F AIRCRAFT OPERATIONS	2,476,205	2,464,205	-12,000
Insufficient justification		-12,000	
11G MISSION SUPPORT OPERATIONS	611,325	615,125	3,800
Program increase - trauma training program		1,800	
Program increase - State Partnership Program		1,500	
Program increase - State Partnership virtual language		500	
11M DEPOT MAINTENANCE	1,138,919	1,118,919	-20,000
Unjustified increase		-20,000	
FACILITIES SUSTAINMENT, RESTORATION & 11R MODERNIZATION	323,605	433,605	110,000
Program increase		110,000	
11Z BASE OPERATING SUPPORT	962,438	978,938	16,500
Program increase - PFAS remediation		16,500	
42J RECRUITING AND ADVERTISING	48,696	45,696	-3,000
Insufficient justification		-3,000	
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-60,000	-60,000
HISTORICAL UNOBLIGATION		-10,000	-10,000
OVERESTIMATION OF CIVILIAN FTE TARGETS		-25,000	-25,000
RESTORE READINESS		100,000	100,000



### UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES

Fiscal year 2020 appropriation .....	\$14,771,000
Fiscal year 2021 budget request .....	15,211,000
Committee recommendation .....	15,211,000
Change from budget request .....	---

The Committee recommends an appropriation of \$15,211,000 for the United States Court of Appeals for the Armed Forces.

### ENVIRONMENTAL RESTORATION, ARMY

Fiscal year 2020 appropriation .....	\$251,700,000
Fiscal year 2021 budget request .....	207,518,000
Committee recommendation .....	264,285,000
Change from budget request .....	+56,767,000

The Committee recommends an appropriation of \$264,285,000 for Environmental Restoration, Army.

### ENVIRONMENTAL RESTORATION, NAVY

Fiscal year 2020 appropriation .....	\$385,000,000
Fiscal year 2021 budget request .....	335,932,000
Committee recommendation .....	404,250,000
Change from budget request .....	+68,318,000

The Committee recommends an appropriation of \$404,250,000 for Environmental Restoration, Navy.

### ENVIRONMENTAL RESTORATION, AIR FORCE

Fiscal year 2020 appropriation .....	\$485,000,000
Fiscal year 2021 budget request .....	303,926,000
Committee recommendation .....	509,250,000
Change from budget request .....	+205,324,000

The Committee recommends an appropriation of \$509,250,000 for Environmental Restoration, Air Force.

### ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

Fiscal year 2020 appropriation .....	\$19,002,000
Fiscal year 2021 budget request .....	9,105,000
Committee recommendation .....	19,952,000
Change from budget request .....	+10,847,000

The Committee recommends an appropriation of \$19,952,000 for Environmental Restoration, Defense-Wide.

### ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

Fiscal year 2020 appropriation .....	\$275,000,000
Fiscal year 2021 budget request .....	216,587,000
Committee recommendation .....	288,750,000
Change from budget request .....	+72,163,000

The Committee recommends an appropriation of \$288,750,000 for Environmental Restoration, Formerly Used Defense Sites. The Committee expects the Secretary of Defense and the Service Secretaries to execute the Military Munitions Response Program in a manner consistent with the budget request.

## OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

Fiscal year 2020 appropriation .....	\$135,000,000
Fiscal year 2021 budget request .....	109,900,000
Committee recommendation .....	147,500,000
Change from budget request .....	+37,600,000

The Committee recommends an appropriation of \$147,500,000 for Overseas Humanitarian, Disaster, and Civic Aid, which will provide the following program in fiscal year 2021:

## EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
FOREIGN DISASTER RELIEF .....	20,000	35,000	15,000
Program increase .....		15,000	
HUMANITARIAN ASSISTANCE .....	74,900	90,000	15,100
Program increase .....		15,100	
HUMANITARIAN MINE ACTION PROGRAM .....	15,000	22,500	7,500
Program increase .....		7,500	
TOTAL, OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID .....	109,900	147,500	37,600

## HUMANITARIAN ASSISTANCE

The Committee recommends an appropriation of \$90,000,000 for Humanitarian Assistance, which is \$15,100,000 above the budget request. The Committee supports the use of such assistance to strengthen basic education in host countries, which should be coordinated with other federal agencies and non-government organizations, as appropriate.

## SPEND PLAN

The Committee remains interested in the details of funds provided for Humanitarian Assistance and the Humanitarian Mine Program. As such, the Committee directs the Secretary of Defense to submit a spend plan to the House and Senate Appropriations Committees not later than 45 days after the enactment of this Act for funds for Humanitarian Assistance and the Humanitarian Mine Action Program. The plan shall include amounts planned for each combatant command and country and a comparison to such amounts provided in the previous two fiscal years. The Committee also directs the Secretary of Defense to include this detailed information as part of the Department's fiscal year 2022 budget request submission.

## COOPERATIVE THREAT REDUCTION ACCOUNT

Fiscal year 2020 appropriation .....	\$373,700,000
Fiscal year 2021 budget request .....	238,490,000
Committee recommendation .....	360,190,000
Change from budget request .....	+121,700,000

The Committee recommends an appropriation of \$360,190,000 for the Cooperative Threat Reduction Account which will provide the following program in fiscal year 2021:

## EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
Strategic Offensive Arms Elimination .....	2,924	2,924	0
Chemical Weapons Destruction .....	11,806	11,806	0
Global Nuclear Security .....	20,152	35,852	15,700
Program increase—Global Nuclear Security .....		15,700	
Biological Threat Reduction Program .....	127,396	225,396	98,000
Program increase—Biological Threat Reduction Program .....		98,000	
Proliferation Prevention Program .....	52,064	60,064	8,000
Program increase—Proliferation Prevention Program .....		8,000	
Other Assessments/Admin Costs .....	24,148	24,148	0
<b>TOTAL, COOPERATIVE THREAT REDUCTION ACCOUNT .....</b>	<b>238,490</b>	<b>360,190</b>	<b>121,700</b>

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE  
DEVELOPMENT ACCOUNT

Fiscal year 2020 appropriation .....	\$400,000,000
Fiscal year 2021 budget request .....	58,181,000
Committee recommendation .....	198,501,000
Change from budget request .....	+140,320,000

The Committee recommends an appropriation of \$198,501,000 for the Department of Defense Acquisition Workforce Development Account which will provide the following program in fiscal year 2021:

## EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
<b>TRAINING AND DEVELOPMENT</b>	<b>55,386</b>	<b>174,801</b>	<b>119,415</b>
Transfer from OM,A line 435; OM,N line 4B3N, and OM,AF line 41B ..		119,415	
<b>RETENTION AND RECOGNITION</b>	<b>1,358</b>	<b>3,445</b>	<b>2,087</b>
Transfer from OM,AF line 41B .....		2,087	
<b>RECRUITING AND HIRING</b>	<b>1,437</b>	<b>20,255</b>	<b>18,818</b>
Transfer from OM,AF line 41B .....		18,818	
<b>TOTAL, DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT .....</b>	<b>58,181</b>	<b>198,501</b>	<b>140,320</b>



TITLE III  
PROCUREMENT

The fiscal year 2021 Department of Defense procurement budget request totals \$130,866,091,000. The Committee recommendation provides \$133,633,757,000 for the procurement accounts. The table below summarizes the Committee recommendations:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
	QTY AMOUNT	QTY AMOUNT	QTY AMOUNT
SUMMARY			
ARMY			
AIRCRAFT.....	--- 3,074,594	--- 3,503,013	+428,419
MISSILES.....	--- 3,491,507	--- 3,419,333	-72,174
WEAPONS AND TRACKED COMBAT VEHICLES.....	--- 3,696,740	--- 3,696,263	-477
AMMUNITION.....	--- 2,777,716	--- 2,789,898	+12,182
OTHER.....	--- 8,625,208	--- 8,453,422	-171,784
TOTAL, ARMY.....	--- 21,665,763	--- 21,861,929	+196,166
NAVY			
AIRCRAFT.....	--- 17,127,378	--- 17,710,109	+582,731
WEAPONS.....	--- 4,884,995	--- 4,378,584	-506,401
AMMUNITION.....	--- 883,602	--- 795,134	-88,468
SHIPS.....	--- 19,902,757	--- 22,257,938	+2,355,181
OTHER.....	--- 10,948,518	--- 9,886,796	-961,722
MARINE CORPS.....	--- 2,903,976	--- 2,693,354	-210,622
TOTAL, NAVY.....	--- 56,651,226	--- 57,821,925	+1,170,699
AIR FORCE			
AIRCRAFT.....	--- 17,908,145	--- 19,587,853	+1,679,708
MISSILES.....	--- 2,396,417	--- 2,249,157	-147,260
AMMUNITION.....	--- 596,338	--- 608,338	+13,000
OTHER.....	--- 23,695,720	--- 23,603,470	-92,250
TOTAL, AIR FORCE.....	--- 44,596,620	--- 46,049,818	+1,453,198
SPACE FORCE			
SPACE PROGRAMS.....	2,446,064	2,289,934	-156,130
TOTAL, SPACE FORCE.....	2,446,064	2,289,934	-156,130
DEFENSE-WIDE			
DEFENSE-WIDE.....	--- 5,324,487	--- 5,418,220	+93,733
DEFENSE PRODUCTION ACT PURCHASES.....	--- 181,931	--- 191,931	+10,000
TOTAL PROCUREMENT.....	130,866,091	133,633,757	+2,767,666

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS  
(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS  
FUNDING)

The Secretary of Defense is directed to continue to follow the reprogramming guidance as specified in the report accompanying the House version of the Department of Defense Appropriations bill for Fiscal Year 2008 (House Report 110–279). Specifically, the dollar threshold for reprogramming funds shall be \$10,000,000 for procurement and research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for Service and defense-wide accounts in titles III and IV of this Act. Reports for titles III and IV shall comply with 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 recommended or items for which funding is specifically reduced as shown in the project level tables detailing recommended adjustments 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 elsewhere in this report.

AUTONOMIC LOGISTICS INFORMATION SYSTEM

The budget justification documents submitted with the fiscal year 2021 budget request indicate that the Department of Defense has received \$394,017,000 through fiscal year 2020 for equipment related to the Autonomic Logistics Information System (ALIS) for the F–35 Joint Strike Fighter. The request for ALIS equipment in fiscal year 2021 is \$59,361,000 across all variants of the F–35, an increase of \$17,498,000 over fiscal year 2020.

The Committee recommends funding this request only because there is little choice but to sustain the F-35 enterprise with the existing ALIS until the Department determines a clear path to transitioning to a new system. Although ALIS is an integral part of the F-35 weapon system, the evidence to date indicates the initial design and implementation of ALIS has failed to meet its intended purpose. Rather than facilitating the maintenance and readiness of F-35 aircraft, ALIS perversely absorbs additional personnel and time to remedy its common problems and institute workarounds. The Government Accountability Office has reported continuing problems with ALIS such as a lack of trustworthy data and a high number of deficiency reports.

The parallels to the Air Force's recent experience with the Remote Visual System (RVS) on the KC-46 are noticeable. Like the RVS system until recently, the development of the ALIS system has suffered from vague requirements, lack of objective performance measures, a design based on hardware and software that has been overtaken by technological innovation during the program's prolonged development, overreliance on the assumption that the prime contractor is properly incentivized to deliver a system that meets the needs of the warfighter, and a lack of senior leadership intervention until the problems became too large to ignore.

The Committee acknowledges that the Department currently is pursuing efforts to improve the existing ALIS while planning to transition to a new system known as the Operational Data Integrated Network (ODIN), the plan for which has not been fully developed. It is unclear whether this new approach is adequately resourced, and the Committee is concerned that the present attention to ALIS again will be overcome by the demands of managing changes to the air vehicle itself as the Department proceeds through follow-on modernization. Based on the information provided thus far, it appears that ODIN likely will result in significant dematerialization of the ALIS system by transitioning capabilities currently hosted on individual servers to a cloud-based environment, therefore rendering much of the currently procured equipment unnecessary.

Therefore, the Committee directs the Director of the F-35 Joint Program Office to submit a report that includes an estimate of the full procurement cost of equipment required to support the legacy ALIS for all aircraft in the program of record, as well as an estimate of the cost savings in equipment procurement that can be derived from the transition to ALIS Next and subsequent transition to ODIN. This report shall be submitted to the congressional defense committees not later than 90 days after the enactment of this Act.

#### USE OF ADVANCED PROCUREMENT FUNDING

In many instances the Committee supports departmental requests for advanced procurement (AP) funding. As reflected in the Department's Financial Management Regulation (FMR), AP funding is provided in a fiscal year prior to the year in which the related end item is to be procured. This allows for the early funding of long-lead components in order to preserve an orderly delivery schedule for that major end item. When authorized, AP may also



be used to fund economic quantity orders under a multiyear contract in order to promote supplier stability and save money compared to annual contracting.

The Committee notes that there have been recent instances in which the Department has not used AP funding for its intended and legitimate purpose, but instead has treated it either as incremental funding or as a fungible source of money that can be used for any and all purposes within the related program. This situation has arisen in cases where AP funding has been requested and received, but the quantities of end items to be procured in the succeeding year has changed.

The Committee directs the Under Secretary of Defense (Comptroller) to ensure that AP funds are both requested and executed properly according to the FMR. The Committee will continue to exercise its proper role by denying or rescinding funds for AP that are not used appropriately.

#### AIRCRAFT PROCUREMENT, ARMY

Fiscal year 2020 appropriation .....	\$3,771,329,000
Fiscal year 2021 budget request .....	3,074,594,000
Committee recommendation .....	3,503,013,000
Change from budget request .....	+428,419,000

The Committee recommends an appropriation of \$3,503,013,000 for Aircraft Procurement, Army which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST		COMMITTEE RECOMMENDED		CHANGE FROM REQUEST	
		QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
-----							
AIRCRAFT PROCUREMENT, ARMY							
AIRCRAFT							
FIXED WING							
3	FUTURE UAS FAMILY.....	---	1,100	---	1,100	---	---
4	RQ-11 (RAVEN).....	---	20,851	---	20,851	---	---
ROTARY							
7	AH-64 APACHE BLOCK IIIA REMAN.....	50	792,027	50	792,027	---	---
8	AH-64 APACHE BLOCK IIIA REMAN (AP-CY).....	---	169,460	---	169,460	---	---
11	UH-60 BLACKHAWK (MYP).....	36	742,998	42	866,296	+6	+123,298
12	UH-60 BLACKHAWK (MYP) (AP-CY).....	---	87,427	---	87,427	---	---
13	UH-60 BLACKHAWK A AND L MODELS.....	24	172,797	24	172,797	---	---
14	CH-47 HELICOPTER.....	6	160,750	11	323,787	+5	+163,037
15	CH-47 HELICOPTER (AP-CY).....	---	18,372	---	47,372	---	+29,000
TOTAL, AIRCRAFT.....		---	2,185,782	---	2,481,117	---	+315,335
-----							
MODIFICATION OF AIRCRAFT							
18	UNIVERSAL GROUND CONTROL EQUIPMENT.....	---	7,509	---	7,509	---	---
19	GRAY EAGLE MODS2.....	---	16,280	---	30,280	---	+14,000
20	MULTI SENSOR ABN RECON (MIP).....	---	35,864	---	35,864	---	---
21	AH-64 MODS.....	---	118,316	---	110,576	---	-7,740
22	CH-47 CARGO HELICOPTER MODS.....	---	15,548	---	15,548	---	---
23	GRCS SEMA MODS (MIP).....	---	2,947	---	2,947	---	---
24	ARL SEMA MODS (MIP).....	---	9,598	---	9,598	---	---
25	EMARSS SEMA MODS (MIP).....	---	2,452	---	2,452	---	---
26	UTILITY/CARGO AIRPLANE MODS.....	---	13,868	---	13,868	---	---
27	UTILITY HELICOPTER MODS.....	---	25,842	---	40,842	---	+15,000
28	NETWORK AND MISSION PLAN.....	---	77,432	---	77,432	---	---
29	COMMS, NAV SURVEILLANCE.....	---	101,355	---	101,355	---	---
31	AVIATION ASSURED PNT.....	---	54,609	---	54,609	---	---
32	GATM ROLLUP.....	---	12,180	---	12,180	---	---
34	UAS MODS.....	---	4,204	---	4,204	---	---
TOTAL, MODIFICATION OF AIRCRAFT.....		---	498,004	---	519,264	---	+21,260
-----							
SUPPORT EQUIPMENT AND FACILITIES							
GROUND SUPPORT AVIONICS							
35	AIRCRAFT SURVIVABILITY EQUIPMENT.....	---	49,455	---	44,455	---	-5,000
36	SURVIVABILITY CM.....	---	8,035	---	8,035	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT		COMMITTEE RECOMMENDED QTY AMOUNT	CHANGE FROM REQUEST QTY AMOUNT
37	CMMS.....	--- 10,567	---	10,567	--- ---
38	COMMON INFRARED COUNTERMEASURES.....	120 237,467	120	237,467	--- ---
39	OTHER SUPPORT AVIONICS SUPPORT EQUIPMENT.....	--- 1,789	---	1,789	--- ---
40	COMMON GROUND EQUIPMENT.....	--- 17,584	---	16,408	--- -1,176
41	AIRCREW INTEGRATED SYSTEMS.....	--- 48,265	---	46,265	--- -2,000
42	AIR TRAFFIC CONTROL.....	--- 26,408	---	26,408	--- ---
44	LAUNCHER, 2.75 ROCKET.....	--- 2,256	---	2,256	--- ---
45	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2....	--- 8,982	---	8,982	--- ---
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	--- ---	---	100,000	--- +100,000
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES.....	--- 410,808	---	502,632	--- +91,824
		=====		=====	=====
	TOTAL, AIRCRAFT PROCUREMENT, ARMY.....	--- 3,074,594	---	3,503,013	--- +428,419
		=====		=====	=====

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
11 UH-60 BLACKHAWK (MYP) Program increase - six HH-60M for the National Guard Excess fielding costs	742,998	866,296 141,000 -17,702	123,298
14 CH-47 HELICOPTER Program increase - F Block II MH-47G SLEP unit cost increase	160,750	323,787 198,000 -34,963	163,037
15 CH-47 HELICOPTER (AP-CY) Program increase - F Block II	18,372	47,372 29,000	29,000
19 GRAY EAGLE MODS2 Program increase - link 16 communications upgrade for MQ-1C	16,280	30,280 14,000	14,000
21 AH-64 MODS Sensors cost growth	118,316	110,576 -7,740	-7,740
27 UTILITY HELICOPTER MODS Program increase - enhanced ballistic protection system Program increase - tail rotor drive system	25,842	40,842 10,000 5,000	15,000
35 AIRCRAFT SURVIVABILITY EQUIPMENT Costs previously funded	49,455	44,455 -5,000	-5,000
40 COMMON GROUND EQUIPMENT SCAMP II fielding costs previously funded	17,584	16,408 -1,176	-1,176
41 AIRCREW INTEGRATED SYSTEMS Airframe kit install excess growth	48,265	46,265 -2,000	-2,000
PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS		100,000	100,000

## CH-47F CHINOOK BLOCK II

The Committee remains concerned with the Army's lack of support for the CH-47F Block II program. The Chief of Staff of the Army certified the need for this capability less than three years ago and the Department of Defense Appropriations Act, 2020 outlined certain expectations for future CH-47F Block II funding. The Committee recommendation includes an additional \$198,000,000 for the first five F Block II aircraft in fiscal year 2021, and an additional \$29,000,000 in advanced procurement to enable the second lot of five F Block II aircraft in fiscal year 2022. The Committee expects the Secretary of the Army to restore funding for the CH-47F Block II program across the next future years defense program when the fiscal year 2022 budget request is submitted.

## DEGRADED VISUAL ENVIRONMENT

The Degraded Visual Environment Pilotage System (DVEPS) is a quick reaction capability on MH-60, MH-47, and HH-60 rotorcraft. The Committee is concerned that the Army has not developed a comprehensive strategy to transition DVEPS to a Degraded Visual Environment program of record for enduring future vertical lift platforms. Operational testing of DVEPS has demonstrated increased situational awareness of hazards during all phases of flight, a key enabler for aircraft to fly in multi-domain operations using tactics, techniques, and procedures to counter anti-access, area denial threats. The Committee directs the Secretary of the Army to submit a report to the congressional defense committees not later than 120 days after the enactment of this Act which outlines DVEPS role in future vertical lift platforms.

## MISSILE PROCUREMENT, ARMY

Fiscal year 2020 appropriation .....	\$2,995,673,000
Fiscal year 2021 budget request .....	3,491,507,000
Committee recommendation .....	3,419,333,000
Change from budget request .....	- 72,174,000

The Committee recommends an appropriation of \$3,419,333,000 for Missile Procurement, Army which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
MISSILE PROCUREMENT, ARMY							
OTHER MISSILES							
2	SURFACE-TO-AIR MISSILE SYSTEM M-SHORAD - PROCUREMENT.....	50	378,654	50	374,587	---	-4,067
3	MSE MISSILE.....	122	603,188	122	603,188	---	---
4	PRECISION STRIKE MISSILE (PRSM).....	30	49,941	30	49,941	---	---
5	INDIRECT FIRE PROTECTION CAPABILITY.....	---	106,261	---	25,003	---	-81,258
AIR-TO-SURFACE MISSILE SYSTEM							
6	HELLFIRE SYS SUMMARY.....	428	91,225	428	91,225	---	---
7	JOINT AIR-TO-GROUND MSLS (JAGM).....	657	213,397	574	196,548	-83	-16,849
8	LONG RANGE PRECISION MUNITION.....	---	45,307	---	45,307	---	---
ANTI-TANK/ASSAULT MISSILE SYSTEM							
9	JAVELIN (AAMS-M) SYSTEM SUMMARY.....	773	190,325	773	190,325	---	---
10	TOW 2 SYSTEM SUMMARY.....	1,405	121,074	1,405	121,074	---	---
11	GUIDED MLRS ROCKET (GMLRS).....	5,384	850,157	5,384	845,157	---	-5,000
12	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR).....	3,270	30,836	3,270	30,836	---	---
13	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS)....	5	41,226	5	51,226	---	+10,000
TOTAL, OTHER MISSILES.....		---	2,721,591	---	2,624,417	---	-97,174
MODIFICATION OF MISSILES							
MODIFICATIONS							
16	PATRIOT MODS.....	---	278,050	---	278,050	---	---
17	ATACMS MODS.....	---	141,690	---	141,690	---	---
20	AVENGER MODS.....	---	13,942	---	13,942	---	---
21	ITAS/TOW MODS.....	---	5,666	---	5,666	---	---
22	MLRS MODS.....	---	310,419	---	310,419	---	---
23	HIMARS MODIFICATIONS.....	---	6,081	---	6,081	---	---
TOTAL, MODIFICATION OF MISSILES.....		---	755,848	---	755,848	---	---
SPARES AND REPAIR PARTS							
24	SPARES AND REPAIR PARTS.....	---	5,090	---	5,090	---	---
SUPPORT EQUIPMENT AND FACILITIES							
25	AIR DEFENSE TARGETS.....	---	8,978	---	8,978	---	---
PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....		---	---	---	25,000	---	+25,000
TOTAL, SUPPORT EQUIPMENT AND FACILITIES.....		---	8,978	---	33,978	---	+25,000
TOTAL, MISSILE PROCUREMENT, ARMY.....		---	3,491,507	---	3,419,333	---	-72,174

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
2 M-SHORAD - PROCUREMENT Production costs previously funded	378,654	374,587 -4,067	-4,067
5 INDIRECT FIRE PROTECTION CAPABILITY Army identified excess Excess to need	106,261	25,003 -40,500 -40,758	-81,258
7 JOINT AIR-TO-GROUND MSLS (JAGM) Contract delays	213,397	196,548 -16,849	-16,849
11 GUIDED MLRS ROCKET (GMLRS) Excess tooling request	850,157	845,157 -5,000	-5,000
13 HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS) Army requested transfer from OM,A line 121	41,226	51,226 10,000	10,000
PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS		25,000	25,000

PROCUREMENT OF WEAPONS AND TRACKED COMBAT  
VEHICLES, ARMY

Fiscal year 2020 appropriation .....	\$4,663,597,000
Fiscal year 2021 budget request .....	3,696,740,000
Committee recommendation .....	3,696,263,000
Change from budget request .....	-477,000

The Committee recommends an appropriation of \$3,696,263,000 for Procurement of Weapons and Tracked Combat Vehicles, Army which will provide the following program in fiscal year 2021:



(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES (W&TCV), ARMY							
2	TRACKED COMBAT VEHICLES ARMORED MULTI PURPOSE VEHICLE (AMPV).....	32	192,971	---	15,851	-32	-177,120
4	MODIFICATION OF TRACKED COMBAT VEHICLES STRYKER UPGRADE.....	154	847,212	259	1,164,152	+105	+316,940
5	BRADLEY PROGRAM (MOD).....	---	493,109	---	430,759	---	-62,350
6	M109 FOV MODIFICATIONS.....	---	26,893	---	26,893	---	---
7	PALADIN PIPM MOD IN SERVICE.....	30	435,825	30	435,825	---	---
9	ASSAULT BRIDGE (MOD).....	---	5,074	---	5,074	---	---
10	ASSAULT BREACHER VEHICLE.....	4	19,500	4	19,500	---	---
11	M88 FOV MODS.....	---	18,382	---	18,382	---	---
12	JOINT ASSAULT BRIDGE.....	14	72,178	---	---	-14	-72,178
13	M1 ABRAMS TANK (MOD).....	---	392,013	---	375,107	---	-16,906
14	ABRAMS UPGRADE PROGRAM.....	89	1,033,253	89	1,020,389	---	-12,864
	TOTAL, TRACKED COMBAT VEHICLES.....	---	3,536,410	---	3,511,932	---	-24,478
WEAPONS AND OTHER COMBAT VEHICLES							
15	M240 MEDIUM MACHINE GUN (7.62MM).....	---	17,864	---	17,864	---	---
15	M240 MEDIUM MACHINE GUN (7.62MM).....	---	10,288	---	10,288	---	---
19	XM320 GRENADE LAUNCHER MODULE (GLM).....	---	5,969	---	5,969	---	---
20	PRECISION SNIPER RIFLE.....	---	10,137	---	10,137	---	---
21	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM.....	---	999	---	---	---	-999
22	CARBINE.....	---	7,411	---	7,411	---	---
23	NEXT GENERATION SQUAD WEAPON.....	---	35,822	---	35,822	---	---
24	COMMON REMOTELY OPERATED WEAPONS STATION.....	---	24,534	---	24,534	---	---
25	MODULAR HANDGUN SYSTEM.....	---	4,662	---	4,662	---	---
26	MOD OF WEAPONS AND OTHER COMBAT VEH MK-19 GRENADE MACHINE GUN MODS.....	---	6,444	---	6,444	---	---
27	M777 MODS.....	---	10,983	---	10,983	---	---
28	M4 CARBINE MODS.....	---	4,824	---	4,824	---	---
31	M240 MEDIUM MACHINE GUN MODS.....	---	6,385	---	6,385	---	---
32	SNIPER RIFLES MODIFICATIONS.....	---	1,898	---	1,898	---	---
33	M119 MODIFICATIONS.....	---	2,009	---	2,009	---	---
34	MORTAR MODIFICATION.....	---	1,689	---	1,689	---	---
35	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV).....	---	2,604	---	2,604	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST		COMMITTEE RECOMMENDED	CHANGE FROM REQUEST	
	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
-----						
36	SUPPORT EQUIPMENT AND FACILITIES ITEMS LESS THAN \$5.0M (WOCV-WTCV).....	---	2,763	---	2,763	---
37	PRODUCTION BASE SUPPORT (WOCV-WTCV).....	---	3,045	---	3,045	---
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	---	---	---	25,000	+25,000
	TOTAL, WEAPONS AND OTHER COMBAT VEHICLES.....	---	160,330	---	164,331	+24,001
			=====		=====	=====
	TOTAL, PROCUREMENT OF W&TCV, ARMY.....	---	3,696,740	---	3,696,263	-477
			=====		=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
2	ARMORED MULTI PURPOSE VEHICLE (AMPV) Early to need	192,971	15,851 -177,120	-177,120
4	STRYKER UPGRADE Program increase CROWS-J delay Unit cost growth	847,212	1,164,152 375,000 -39,160 -16,900	316,940
5	BRADLEY PROGRAM (MOD) UBIS insufficient justification Excess carryover TADSS excess growth	493,109	430,759 -40,000 -17,350 -5,000	-62,350
12	JOINT ASSAULT BRIDGE Testing delays	72,178	0 -72,178	-72,178
13	M1 ABRAMS TANK (MOD) APS excess to need Excess carryover	392,013	375,107 -11,171 -5,735	-16,906
14	ABRAMS UPGRADE PROGRAM Excess carryover Price savings	1,033,253	1,020,389 -9,377 -3,487	-12,864
21	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM Early to need	999	0 -999	-999
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS		25,000	25,000

## MK93 MACHINE GUN MOUNT

The Committee believes that the MK93 machine gun mount upgrade will improve existing systems and supports Army modernization investments that rely on the performance of the MK93 mount. The Committee encourages the Secretary of the Army to include funding for the MK93 machine gun mount upgrade in future budget requests, as well as details on the Army's plan to develop and deploy the previously funded upgrade.

## PROCUREMENT OF AMMUNITION, ARMY

Fiscal year 2020 appropriation .....	\$2,578,575,000
Fiscal year 2021 budget request .....	2,777,716,000
Committee recommendation .....	2,789,898,000
Change from budget request .....	+12,182,000

The Committee recommends an appropriation of \$2,789,898,000 for Procurement of Ammunition, Army which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
PROCUREMENT OF AMMUNITION, ARMY							
AMMUNITION							
1	SMALL/MEDIUM CAL AMMUNITION						
	CTG, 5.56MM, ALL TYPES.....	---	68,472	---	63,403	---	-5,069
2	CTG, 7.62MM, ALL TYPES.....	---	109,933	---	103,303	---	-6,630
3	NEXT GENERATION SQUAD WEAPON AMMUNITION.....	---	11,988	---	11,988	---	---
4	CTG, HANDGUN, ALL TYPES.....	---	853	---	853	---	---
5	CTG, .50 CAL, ALL TYPES.....	---	58,280	---	58,280	---	---
6	CTG, 20MM, ALL TYPES.....	---	31,708	---	31,708	---	---
7	CTG, 25MM, ALL TYPES.....	---	9,111	---	9,111	---	---
8	CTG, 30MM, ALL TYPES.....	---	58,172	---	56,192	---	-1,980
9	CTG, 40MM, ALL TYPES.....	---	114,638	---	109,934	---	-4,704
MORTAR AMMUNITION							
10	60MM MORTAR, ALL TYPES.....	---	31,222	---	31,222	---	---
11	81MM MORTAR, ALL TYPES.....	---	42,857	---	42,857	---	---
12	120MM MORTAR, ALL TYPES.....	---	107,762	---	107,762	---	---
TANK AMMUNITION							
13	CTG TANK 105MM AND 120MM: ALL TYPES.....	---	233,444	---	231,955	---	-1,489
ARTILLERY AMMUNITION							
14	CTG, ARTY, 75MM AND 105MM: ALL TYPES.....	---	35,963	---	35,963	---	---
15	ARTILLERY PROJECTILE, 155MM, ALL TYPES.....	---	293,692	---	308,692	---	+15,000
16	PROJ 155MM EXTENDED RANGE XM982.....	597	69,159	597	64,909	---	-4,250
17	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES.....	---	232,913	---	225,337	---	-7,576
MINES							
18	MINES AND CLEARING CHARGES, ALL TYPES.....	---	65,278	---	48,966	---	-16,312
19	CLOSE TERRAIN SHAPING OBSTACLE.....	---	4,995	---	4,995	---	---
ROCKETS							
20	SHOULDER LAUNCHED MUNITIONS, ALL TYPES.....	---	69,112	---	69,112	---	---
21	ROCKET, HYDRA 70, ALL TYPES.....	---	125,915	---	125,915	---	---
OTHER AMMUNITION							
22	CAD/PAD ALL TYPES.....	---	8,891	---	8,891	---	---
23	DEMOLITION MUNITIONS, ALL TYPES.....	---	54,043	---	41,235	---	-12,808
24	GRENADES, ALL TYPES.....	---	28,931	---	28,931	---	---
25	SIGNALS, ALL TYPES.....	---	27,036	---	27,036	---	---
26	SIMULATORS, ALL TYPES.....	---	10,253	---	10,253	---	---
MISCELLANEOUS							
27	AMMO COMPONENTS, ALL TYPES.....	---	3,476	---	3,476	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST		COMMITTEE RECOMMENDED		CHANGE FROM REQUEST	
		QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
29	ITEMS LESS THAN \$5 MILLION.....	---	10,569	---	10,569	---	---
30	AMMUNITION PECULIAR EQUIPMENT.....	---	12,338	---	12,338	---	---
31	FIRST DESTINATION TRANSPORTATION (AMMO).....	---	15,908	---	15,908	---	---
32	CLOSEOUT LIABILITIES.....	---	99	---	99	---	---
	TOTAL, AMMUNITION.....	---	1,947,011	---	1,901,193		-45,818
	AMMUNITION PRODUCTION BASE SUPPORT						
	PRODUCTION BASE SUPPORT						
33	PROVISION OF INDUSTRIAL FACILITIES.....	---	592,224	---	625,224	---	+33,000
34	CONVENTIONAL MUNITIONS DEMILITARIZATION, ALL.....	---	235,112	---	235,112	---	---
35	ARMS INITIATIVE.....	---	3,369	---	3,369	---	---
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	---	---	---	25,000	---	+25,000
	TOTAL, AMMUNITION PRODUCTION BASE SUPPORT.....	---	830,705	---	888,705		+58,000
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY.....	---	2,777,716	---	2,789,898		+12,182

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 CTG, 5.56MM, ALL TYPES	68,472	63,403	-5,069
E04607 unit cost growth		-2,178	
E095700 unit cost growth		-2,891	
2 CTG, 7.62MM, ALL TYPES	109,933	103,303	-6,630
E01902 unit cost growth		-2,983	
E02012 unit cost growth		-3,647	
8 CTG, 30MM, ALL TYPES	58,172	56,192	-1,980
E09191 unit cost growth		-1,980	
9 CTG, 40MM, ALL TYPES	114,638	109,934	-4,704
E05611 production engineering previously funded		-4,704	
13 CTG TANK 105MM AND 120MM: ALL TYPES	233,444	231,955	-1,489
E73201 unit cost growth		-1,489	
15 ARTILLERY PROJECTILE, 155MM, ALL TYPES	293,692	308,692	15,000
Program increase - XM1128		15,000	
16 PROJ 155MM EXTENDED RANGE XM982	69,159	64,909	-4,250
E80103 unit cost growth		-4,250	
ARTILLERY PROPELLANTS, FUZES AND PRIMERS,			
17 ALL TYPES	232,913	225,337	-7,576
MOFA early to need		-7,576	
18 MINES AND CLEARING CHARGES, ALL TYPES	65,278	48,966	-16,312
Excess to need		-16,312	
23 DEMOLITION MUNITIONS, ALL TYPES	54,043	41,235	-12,808
SLAM schedule delays		-12,808	
33 PROVISION OF INDUSTRIAL FACILITIES	592,224	625,224	33,000
Program increase - safety and environmental upgrades		25,000	
Program increase - lightweight ammunition manufacturing		8,000	
PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS		25,000	25,000

SUSTAINMENT OF MUNITIONS

The Joint Munitions Command provides the Army and the Joint Force with ready, reliable, lethal munitions to sustain global operations. However, challenges exist to the organic industrial base in securing the supply chain for a wide range of systems, including munitions. The Committee believes that additional steps must be taken to ensure the continued implementation of life-cycle needs for ammunition. Therefore, the Committee directs the Secretary of the Army to submit a report to the House and Senate Appropriations Committees, not later than 90 days after the enactment of this Act, which outlines the Army's sustainment efforts as part of the overall life-cycle management of all munitions programs. The report shall include a review of potential cost savings and operational efficiencies gained by centralizing the sustainment of munitions and explore how an automated process could determine the critical levels of requirements and resources necessary to fulfill them.

OTHER PROCUREMENT, ARMY

Fiscal year 2020 appropriation .....	\$7,581,524,000
Fiscal year 2021 budget request .....	8,625,206,000
Committee recommendation .....	8,453,422,000
Change from budget request .....	- 171,784,000

The Committee recommends an appropriation of \$8,453,422,000 for Other Procurement, Army which will provide the following program in fiscal year 2021:



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT	
OTHER PROCUREMENT, ARMY							
TACTICAL AND SUPPORT VEHICLES							
TACTICAL VEHICLES							
1	TACTICAL TRAILERS/DOLLY SETS.....	---	12,986	---	9,653	---	-3,333
2	SEMITRAILERS, FLATBED:.....	---	31,443	---	26,698	---	-4,745
3	SEMITRAILERS, TANKERS.....	---	17,082	---	17,082	---	---
4	HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV).....	---	44,795	---	144,472	---	+99,677
5	GROUND MOBILITY VEHICLES (GMV).....	---	37,932	---	37,932	---	---
6	ARNG HMMWV MODERNIZATION PROGRAM.....	---	---	---	100,000	---	+100,000
7	JOINT LIGHT TACTICAL VEHICLE.....	---	894,414	---	884,414	---	-10,000
9	TRUCK, DUMP, 20t (CCE).....	---	29,368	---	29,368	---	---
10	FAMILY OF MEDIUM TACTICAL VEH (FMTV).....	---	95,092	---	138,092	---	+43,000
11	FAMILY OF COLD WEATHER ALL-TERRAIN VEHICLE (C)....	---	999	---	999	---	---
12	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMEN.....	---	27,687	---	27,687	---	---
14	PLS ESP.....	---	21,969	---	21,969	---	---
15	HEAVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV.....	---	65,635	---	92,635	---	+27,000
16	HMMWV RECAPITALIZATION PROGRAM.....	---	5,927	---	---	---	-5,927
17	TACTICAL WHEELED VEHICLE PROTECTION KITS.....	---	36,497	---	36,497	---	---
18	MODIFICATION OF IN SVC EQUIP.....	---	114,977	---	21,227	---	-93,750
NON-TACTICAL VEHICLES							
20	PASSENGER CARRYING VEHICLES.....	---	1,246	---	1,246	---	---
21	NONTACTICAL VEHICLES, OTHER.....	---	19,870	---	4,968	---	-14,902
TOTAL, TACTICAL AND SUPPORT VEHICLES.....							
		---	1,457,919	---	1,594,939	---	+137,020
COMMUNICATIONS AND ELECTRONICS EQUIPMENT							
COMM - JOINT COMMUNICATIONS							
22	SIGNAL MODERNIZATION PROGRAM.....	---	160,469	---	151,179	---	-9,290
23	TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE.....	---	360,379	---	347,782	---	-12,597
24	SITUATION INFORMATION TRANSPORT.....	---	63,396	---	63,396	---	---
26	JCSE EQUIPMENT (USREDCOM).....	---	5,170	---	5,170	---	---
COMM - SATELLITE COMMUNICATIONS							
29	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS.....	---	101,498	---	101,498	---	---
30	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS.....	---	72,450	---	68,750	---	-3,700
31	SHF TERM.....	---	13,173	---	13,173	---	---
32	ASSURED POSITIONING, NAVIGATION AND TIMING.....	---	134,928	---	134,928	---	---
33	SMART-T (SPACE).....	---	8,611	---	8,611	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
34	GLOBAL BRDCST SVC - GBS.....	---	8,191	---	8,191	---	---
	COMM - COMBAT SUPPORT COMM						
36	COMM - C3 SYSTEM COE TACTICAL SERVER INFRASTRUCTURE (TSI).....	---	94,871	---	88,950	---	-5,921
37	COMM - COMBAT COMMUNICATIONS HANDHELD MANPACK SMALL FORM FIT (HMS).....	---	550,848	---	550,848	---	---
38	RADIO TERMINAL SET, MIDS LVT(2).....	---	8,237	---	8,237	---	---
41	SPIDER FAMILY OF NETWORKED MUNITIONS INCREASE.....	---	13,967	---	---	---	-13,967
43	UNIFIED COMMAND SUITE.....	---	19,579	---	19,579	---	---
44	COTS COMMUNICATIONS EQUIPMENT.....	---	94,156	---	86,956	---	-7,200
45	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE.....	---	18,313	---	18,313	---	---
46	ARMY COMMUNICATIONS & ELECTRONICS.....	---	51,480	---	51,480	---	---
48	COMM - INTELLIGENCE COMM CI AUTOMATION ARCHITECTURE (MIP).....	---	13,146	---	13,146	---	---
49	DEFENSE MILITARY DECEPTION INITIATIVE.....	---	5,624	---	5,624	---	---
51	INFORMATION SECURITY INFORMATION SYSTEM SECURITY PROGRAM-ISSP.....	---	4,596	---	4,596	---	---
52	COMMUNICATIONS SECURITY (COMSEC).....	---	159,272	---	159,272	---	---
53	DEFENSIVE CYBER OPERATIONS.....	---	54,753	---	53,153	---	-1,600
54	INSIDER THREAT PROGRAM - UNIT ACTIVITY MONITOR.....	---	1,760	---	1,760	---	---
55	PERSISTENT CYBER TRAINING ENVIRONMENT.....	---	260	---	260	---	---
57	COMM - LONG HAUL COMMUNICATIONS BASE SUPPORT COMMUNICATIONS.....	---	29,761	---	29,761	---	---
58	COMM - BASE COMMUNICATIONS INFORMATION SYSTEMS.....	---	147,696	---	147,696	---	---
59	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM.....	---	4,900	---	---	---	-4,900
60	HOME STATION MISSION COMMAND CENTERS (HSMCC).....	---	15,227	---	15,227	---	---
61	JOINT INFORMATION ENVIRONMENT (JIE).....	---	3,177	---	3,177	---	---
62	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM.....	---	300,035	---	300,035	---	---
	ELECT EQUIP						
65	ELECT EQUIP - TACT INT REL ACT (TIARA) JTT/CIBS-M (MIP).....	---	5,304	---	5,304	---	---
66	TERRESTRIAL LAYER SYSTEMS (TLS) (MIP).....	---	8,081	---	---	---	-8,081
68	DCGS-A (MIP).....	---	151,886	---	149,886	---	-2,000
70	TROJAN (MIP).....	---	17,593	---	17,593	---	---
71	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP).....	---	28,558	---	66,058	---	+37,500

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
73	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP).....	---	999	---	999	---	---
75	ELECT EQUIP - ELECTRONIC WARFARE (EW) LIGHTWEIGHT COUNTER MORTAR RADAR.....	---	5,332	---	5,332	---	---
76	EW PLANNING AND MANAGEMENT TOOLS.....	---	7,849	---	7,849	---	---
77	AIR VIGILANCE (AV).....	---	8,160	---	8,160	---	---
79	MULTI-FUNCTION ELECTRONIC WARFARE (MFEW) SYST.....	---	8,669	---	8,669	---	---
82	CI MODERNIZATION (MIP).....	---	300	---	300	---	---
83	ELECT EQUIP - TACTICAL SURV. (TAC SURV) SENTINEL MODS.....	---	58,884	---	58,884	---	---
84	NIGHT VISION DEVICES.....	---	1,127,375	---	891,806	---	-235,569
86	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF.....	---	13,954	---	7,715	---	-6,239
88	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS.....	---	10,069	---	20,069	---	+10,000
89	FAMILY OF WEAPON SIGHTS (FWS).....	---	133,590	---	133,590	---	---
91	JOINT BATTLE COMMAND - PLATFORM (JBC-P).....	---	243,850	---	243,850	---	---
92	JOINT EFFECTS TARGETING SYSTEM (JETS).....	---	69,641	---	---	---	-69,641
94	COMPUTER BALLISTICS: LHMBC XM32.....	---	7,509	---	7,509	---	---
95	MORTAR FIRE CONTROL SYSTEM.....	---	3,800	---	3,800	---	---
96	MORTAR FIRE CONTROL SYSTEM MODIFICATIONS.....	---	7,292	---	7,292	---	---
97	COUNTERFIRE RADARS.....	---	72,421	---	72,421	---	---
98	ELECT EQUIP - TACTICAL C2 SYSTEMS ARMY COMMAND POST INTEGRATED INFRASTRUCTURE.....	---	49,947	---	---	---	-49,947
99	FIRE SUPPORT C2 FAMILY.....	---	9,390	---	9,390	---	---
100	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD).....	---	47,374	---	47,374	---	---
101	IAND BATTLE COMMAND SYSTEM.....	---	201,587	---	198,587	---	-3,000
102	LIFE CYCLE SOFTWARE SUPPORT (LCSS).....	---	4,495	---	2,495	---	-2,000
103	NETWORK MANAGEMENT INITIALIZATION AND SERVICE.....	---	18,651	---	18,651	---	---
105	GLOBAL COMBAT SUPPORT SYSTEM-ARMY.....	---	2,792	---	2,792	---	---
106	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY.....	---	9,071	---	9,071	---	---
107	RECONNAISSANCE AND SURVEYING INSTRUMENT SET.....	---	12,117	---	12,117	---	---
108	MOD OF IN-SERVICE EQUIPMENT (ENFIRE).....	---	3,004	---	14,004	---	+11,000
109	ELECT EQUIP - AUTOMATION ARMY TRAINING MODERNIZATION.....	---	14,574	---	14,574	---	---
110	AUTOMATED DATA PROCESSING EQUIPMENT.....	---	140,619	---	138,619	---	-2,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
111	GENERAL FUND ENTERPRISE BUSINESS SYSTEM.....	---	4,448	---	4,448	---	---
112	HIGH PERF COMPUTING MOD PROGRAM.....	---	68,405	---	68,405	---	---
113	CONTRACT WRITING SYSTEM.....	---	8,459	---	8,459	---	---
114	CSS COMMUNICATIONS.....	---	57,651	---	51,129	---	-6,522
115	RESERVE COMPONENT AUTOMATION SYS (RCAS).....	---	14,848	---	14,848	---	---
117	ELECT EQUIP - AUDIO VISUAL SYS (A/V) ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT).....	---	4,995	---	4,995	---	---
119	ELECT EQUIP - SUPPORT BCT EMERGING TECHNOLOGIES.....	---	16,983	---	8,491	---	-8,492
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.....	---	5,200,449	---	4,806,283	---	-394,166
	OTHER SUPPORT EQUIPMENT CHEMICAL DEFENSIVE EQUIPMENT FAMILY OF NON-LETHAL EQUIPMENT (FNLE).....	---	---	---	7,000	---	+7,000
123	CBRN DEFENSE.....	---	28,456	---	28,456	---	---
124	SMOKE & OBSCURANT FAMILY: SOF (NON AAO ITEM).....	---	13,995	---	13,995	---	---
125	BRIDGING EQUIPMENT TACTICAL BRIDGING.....	---	10,545	---	10,545	---	---
126	TACTICAL BRIDGE, FLOAT-RIBBON.....	---	72,074	---	72,074	---	---
127	BRIDGE SUPPLEMENTAL SET.....	---	32,493	---	32,493	---	---
128	COMMON BRIDGE TRANSPORTER RECAP.....	---	62,978	---	55,032	---	-7,946
129	ENGINEER (NON-CONSTRUCTION) EQUIPMENT HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST.....	---	5,570	---	5,570	---	---
130	GROUND STANDOFF MINE DETECTION SYSTEM (GSTAMIDS).....	---	2,497	---	2,497	---	---
132	HUSKY MOUNTED DETECTION SYSTEM (HMDS).....	---	109,069	---	109,069	---	---
134	EOD ROBOTICS SYSTEMS RECAPITALIZATION.....	---	36,584	---	36,584	---	---
135	ROBOTICS AND APPLIQUE SYSTEMS.....	---	179,544	---	164,564	---	-14,980
137	RENDER SAFE SETS KITS OUTFITS.....	---	64,583	---	64,583	---	---
139	FAMILY OF BOATS AND MOTORS.....	---	5,289	---	5,289	---	---
140	COMBAT SERVICE SUPPORT EQUIPMENT HEATERS AND ECU'S.....	---	8,200	---	8,200	---	---
142	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS).....	---	4,625	---	4,625	---	---
143	GROUND SOLDIER SYSTEM.....	---	154,937	---	149,937	---	-5,000
144	MOBILE SOLDIER POWER.....	---	34,297	---	34,297	---	---
147	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM.....	---	53,021	---	53,021	---	---
148	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS.....	---	23,324	---	23,324	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
149	ITEMS LESS THAN \$5M (ENG SPT).....	---	8,014	---	8,014	---	---
150	PETROLEUM EQUIPMENT DISTRIBUTION SYSTEMS, PETROLEUM & WATER.....	---	78,448	---	72,348	---	-6,100
151	MEDICAL EQUIPMENT COMBAT SUPPORT MEDICAL.....	---	59,485	---	69,485	---	+10,000
152	MAINTENANCE EQUIPMENT MOBILE MAINTENANCE EQUIPMENT SYSTEMS.....	---	40,337	---	40,337	---	---
153	ITEMS LESS THAN \$5.0M (MAINT EQ).....	---	5,386	---	5,386	---	---
154	CONSTRUCTION EQUIPMENT GRADER, ROAD MTZD, HVY, 6X4 (CCE).....	---	5,406	---	5,406	---	---
155	SCRAPERS, EARTHMOVING.....	---	4,188	---	4,188	---	---
156	LOADERS.....	---	4,521	---	4,521	---	---
157	HYDRAULIC EXCAVATOR.....	---	5,186	---	5,186	---	---
158	TRACTOR, FULL TRACKED.....	---	4,715	---	4,715	---	---
159	ALL TERRAIN CRANES.....	---	70,560	---	70,560	---	---
160	HIGH MOBILITY ENGINEER EXCAVATOR (HME) FOS.....	---	---	---	---	---	---
162	CONST EQUIP ESP.....	---	8,925	---	8,925	---	---
164	RAIL FLOAT CONTAINERIZATION EQUIPMENT ARMY WATERCRAFT ESP.....	---	40,910	---	40,910	---	---
165	MANEUVER SUPPORT VESSEL (MSV).....	---	76,576	---	76,576	---	---
166	ITEMS LESS THAN \$5.0M (FLOAT/RAIL).....	---	1,844	---	1,844	---	---
167	GENERATORS GENERATORS AND ASSOCIATED EQUIPMENT.....	---	53,433	---	101,133	---	+47,700
168	TACTICAL ELECTRIC POWER RECAPITALIZATION.....	---	22,216	---	22,216	---	---
169	MATERIAL HANDLING EQUIPMENT FAMILY OF FORKLIFTS.....	---	16,145	---	16,145	---	---
170	TRAINING EQUIPMENT COMBAT TRAINING CENTERS SUPPORT.....	---	90,580	---	90,580	---	---
171	TRAINING DEVICES, NONSYSTEM.....	---	161,814	---	161,814	---	---
172	SYNTHETIC TRAINING ENVIRONMENT (STE).....	---	13,063	---	13,063	---	---
175	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING.....	---	1,950	---	1,950	---	---
176	TEST MEASURE AND DIG EQUIPMENT (TMD) CALIBRATION SETS EQUIPMENT.....	---	2,511	---	2,511	---	---
177	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE).....	---	78,578	---	77,214	---	-1,364
178	TEST EQUIPMENT MODERNIZATION (TEMOD).....	---	14,941	---	10,241	---	-4,700
180	OTHER SUPPORT EQUIPMENT RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT.....	---	8,629	---	8,629	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT		COMMITTEE RECOMMENDED QTY AMOUNT		CHANGE FROM REQUEST QTY AMOUNT	
181	PHYSICAL SECURITY SYSTEMS (OPA3).....	---	75,489	---	77,251	---	+1,752
182	BASE LEVEL COM'L EQUIPMENT.....	---	27,444	---	27,444	---	---
183	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3).....	---	32,485	---	66,485	---	+34,000
186	SPECIAL EQUIPMENT FOR USER TESTING.....	---	39,436	---	39,436	---	---
	TOTAL, OTHER SUPPORT EQUIPMENT.....	---	1,955,306	---	2,015,668	---	+60,362
	SPARE AND REPAIR PARTS						
189	INITIAL SPARES - C&E.....	---	9,950	---	9,950	---	---
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	---	---	---	25,000	---	+25,000
999	CLASSIFIED PROGRAMS.....	---	1,582	---	1,582	---	---
	TOTAL, OTHER PROCUREMENT, ARMY.....	---	8,625,206	---	8,453,422	---	-171,784

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 TACTICAL TRAILERS/DOLLY SETS Prior year carryover	12,986	9,653 -3,333	-3,333
2 SEMITRAILERS, FLATBED M870 previously funded	31,443	26,698 -4,745	-4,745
HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV)	44,795	144,472	99,677
Transfer from OP,A line 16		5,927	
Transfer from OP,A line 18		93,750	
6 ARNG HMMWV MODERNIZATION PROGRAM Program increase	0	100,000 100,000	100,000
8 JOINT LIGHT TACTICAL VEHICLE Excess support costs	894,414	884,414 -10,000	-10,000
10 FAMILY OF MEDIUM TACTICAL VEH (FMTV) Program increase	95,092	138,092 43,000	43,000
HEAVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	65,635	92,635	27,000
Program increase		33,500	
HETS costs previously funded		-6,500	
16 HMMWV RECAPITALIZATION PROGRAM Transfer to OP,A line 4	5,927	0 -5,927	-5,927
18 MODIFICATION OF IN SVC EQUIP LTV modification transfer to OP,A line 4	114,977	21,227 -93,750	-93,750
21 NONTACTICAL VEHICLES, OTHER Excess carryover	19,870	4,968 -14,902	-14,902
22 SIGNAL MODERNIZATION PROGRAM Hardware pricing adjustments	160,469	151,179 -9,290	-9,290
23 TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE Engineering unjustified growth Services previously funded	360,379	347,782 -7,217 -5,380	-12,597
TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	72,450	68,750 -3,700	-3,700
T2C2 unit cost growth			
36 COE TACTICAL SERVER INFRASTRUCTURE (TSI) Post deployment software previously funded	94,871	88,950 -5,921	-5,921

P-1	Budget Request	Committee Recommended	Change from Request
SPIDER FAMILY OF NETWORKED MUNITIONS			
41 INCREASE	13,967	0	-13,967
Army identified excess		-13,967	
44 COTS COMMUNICATIONS EQUIPMENT	94,156	86,956	-7,200
Excess carryover		-7,200	
53 DEFENSIVE CYBER OPERATIONS	54,753	53,153	-1,600
GDP unit cost differences		-1,600	
EMERGENCY MANAGEMENT MODERNIZATION			
59 PROGRAM	4,900	0	-4,900
Excess carryover		-4,900	
66 TERRESTRIAL LAYER SYSTEMS (TLS) (MIP)	8,081	0	-8,081
Early to need		-8,081	
68 DCGS-A (MIP)	151,886	149,886	-2,000
Fielding previously funded		-2,000	
71 MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	28,558	66,058	37,500
Program increase - TEWS		37,500	
84 NIGHT VISION DEVICES	1,127,375	891,806	-235,569
IVAS ahead of need		-235,569	
86 SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	13,954	7,715	-6,239
Excess carryover		-6,239	
88 INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	10,069	20,069	10,000
Program increase - C-RAM warn communications enhancements		10,000	
92 JOINT EFFECTS TARGETING SYSTEM (JETS)	69,641	0	-69,641
Production delays		-69,641	
ARMY COMMAND POST INTEGRATED			
98 INFRASTRUCTURE	49,947	0	-49,947
Ahead of need		-49,947	
101 IAMD BATTLE COMMAND SYSTEM	201,587	198,587	-3,000
Government program management excess		-3,000	
102 LIFE CYCLE SOFTWARE SUPPORT (LCSS)	4,495	2,495	-2,000
Excess carryover		-2,000	
108 MOD OF IN-SERVICE EQUIPMENT (ENFIRE)	3,004	14,004	11,000
Program increase - land surveying systems		11,000	
110 AUTOMATED DATA PROCESSING EQUIPMENT	140,619	138,619	-2,000
A/E travel costs excess		-2,000	
114 CSS COMMUNICATIONS	57,651	51,129	-6,522
Unit cost growth		-6,522	



P-1	Budget Request	Committee Recommended	Change from Request
119 BCT EMERGING TECHNOLOGIES Fiscal year 2019 carryover	16,983	8,491 -8,492	-8,492
121 FAMILY OF NON-LETHAL EQUIPMENT (FNLE) Program increase - acoustic hailing device	0	7,000 7,000	7,000
128 COMMON BRIDGE TRANSPORTER RECAP Unit cost discrepancies	62,978	55,032 -7,946	-7,946
135 ROBOTICS AND APPLIQUE SYSTEMS CRS-I oversight excess growth SMET contract delay MTRS production delay	179,544	164,564 -2,000 -4,800 -8,180	-14,980
143 GROUND SOLDIER SYSTEM Unit cost discrepancies	154,937	149,937 -5,000	-5,000
150 DISTRIBUTION SYSTEMS, PETROLEUM & WATER MFS cost savings E2FDS data unjustified growth	78,448	72,348 -4,100 -2,000	-6,100
151 COMBAT SUPPORT MEDICAL Program increase - combat support hospital deployable infrastructure	59,485	69,485 10,000	10,000
167 GENERATORS AND ASSOCIATED EQUIPMENT Program increase - AMMPS	53,433	101,133 47,700	47,700
177 INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) ICE WATS previously funded	78,578	77,214 -1,364	-1,364
178 TEST EQUIPMENT MODERNIZATION (TEMOD) Excess carryover	14,941	10,241 -4,700	-4,700
181 PHYSICAL SECURITY SYSTEMS (OPA3) Program increase - biometric fast lanes Unjustified request	75,489	77,251 5,000 -3,248	1,752
183 MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) Program increase - RTCH modernization Program increase - containerized icemaking systems	32,485	66,485 20,000 14,000	34,000
PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS		25,000	25,000

## HIGH MOBILITY MULTIPURPOSE WHEELED VEHICLES

The Committee recommends a transfer of funds for the purpose of obtaining new High Mobility Multipurpose Wheeled Vehicles (HMMWVs) or “like-new” HMMWVs fully restored to zero-hours, zero-miles condition by the installation of a new powered chassis. The HMMWVs obtained with this funding shall incorporate any necessary safety or capability improvements, including Anti-Lock Braking and Electronic Stability Control systems. Obtaining HMMWVs with a new, up-to-date chassis will enable future technology insertions and capability upgrades to the fleet and will reduce future sustainment costs and logistical challenges. Installing safety enhancements on new production vehicles or new production chassis will ensure that appropriate quality control and testing is performed before vehicles are fielded.

## AIRCRAFT PROCUREMENT, NAVY

Fiscal year 2020 appropriation .....	\$19,605,513,000
Fiscal year 2021 budget request .....	17,127,378,000
Committee recommendation .....	17,710,109,000
Change from budget request .....	+582,731,000

The Committee recommends an appropriation of \$17,710,109,000 for Aircraft Procurement, Navy which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST		COMMITTEE RECOMMENDED		CHANGE FROM REQUEST	
		QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
-----							
AIRCRAFT PROCUREMENT, NAVY							
COMBAT AIRCRAFT							
1	F/A-18E/F (FIGHTER) HORNET (MYP).....	24	1,761,146	24	1,725,400	---	-35,746
3	JOINT STRIKE FIGHTER CV.....	21	2,181,780	21	2,286,280	---	+104,500
4	JOINT STRIKE FIGHTER CV (AP-CY).....	---	330,386	---	326,147	---	-4,239
5	JSF STOVL.....	10	1,109,393	10	1,213,893	---	+104,500
6	JSF STOVL (AP-CY).....	---	303,035	---	303,035	---	---
7	CH-53K (HEAVY LIFT) .....	7	813,324	7	1,050,634	---	+237,310
8	CH-53K (HEAVY LIFT) (AP-CY).....	---	201,188	---	201,188	---	---
9	V-22 (MEDIUM LIFT).....	9	934,793	9	897,232	---	-37,561
10	V-22 (MEDIUM LIFT) (AP-CY).....	---	39,547	---	39,547	---	---
11	UH-1Y/AH-1Z.....	---	7,267	---	3,816	---	-3,451
13	P-8A POSEIDON.....	---	80,134	---	510,000	---	+429,866
15	E-2D ADV HAWKEYE.....	4	626,109	4	791,140	---	+165,031
16	E-2D ADV HAWKEYE (AP-CY).....	---	123,166	---	123,166	---	---
TOTAL, COMBAT AIRCRAFT.....		---	8,511,268	---	9,471,478	---	+960,210
-----							
TRAINER AIRCRAFT							
17	ADVANCED HELICOPTER TRAINING SYSTEM.....	36	269,867	36	236,146	---	-33,721
TOTAL, TRAINER AIRCRAFT.....		---	269,867	---	236,146	---	-33,721
-----							
OTHER AIRCRAFT							
18	KC-130J.....	5	380,984	5	375,558	---	-5,426
19	KC-130J (AP-CY).....	---	67,022	---	67,022	---	---
21	MQ-4 TRITON.....	---	150,570	---	264,464	---	+113,894
23	MQ-8 UAV.....	---	40,375	---	34,759	---	-5,616
24	STUASLO UAV.....	---	30,930	---	30,930	---	---
26	VH-92A EXECUTIVE HELO.....	5	610,231	5	577,638	---	-32,593
TOTAL, OTHER AIRCRAFT.....		---	1,280,112	---	1,350,371	---	+70,259
-----							
MODIFICATION OF AIRCRAFT							
28	F-18 A-D UNIQUE.....	---	208,261	---	183,449	---	-24,812
29	F-18E/F AND EA-18G MODERNIZATION AND SUSTAIN.....	---	468,954	---	394,688	---	-74,266
30	AEA SYSTEMS.....	---	21,061	---	21,061	---	---
31	AV-8 SERIES.....	---	34,082	---	32,684	---	-1,398
32	INFRARED SEARCH AND TRACK (IRST).....	---	158,055	---	127,695	---	-30,360

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
33	ADVERSARY.....	---	42,946	---	42,946	---	---
34	F-18 SERIES.....	---	379,351	---	369,600	---	-9,751
35	H-53 SERIES.....	---	74,771	---	74,771	---	---
36	MH-60 SERIES.....	---	131,584	---	144,940	---	+13,356
37	H-1 SERIES.....	---	185,140	---	152,562	---	-32,578
38	EP-3 SERIES.....	---	26,602	---	26,602	---	---
40	E-2 SERIES.....	---	175,540	---	171,057	---	-4,483
41	TRAINER A/C SERIES.....	---	7,085	---	7,085	---	---
42	C-2A.....	---	9,525	---	6,367	---	-3,158
43	C-130 SERIES.....	---	141,705	---	124,653	---	-17,052
44	FEWSG.....	---	684	---	684	---	---
45	CARGO/TRANSPORT A/C SERIES.....	---	8,911	---	8,911	---	---
46	E-6 SERIES.....	---	197,206	---	196,028	---	-1,178
47	EXECUTIVE HELICOPTERS SERIES.....	---	29,086	---	25,970	---	-3,116
49	T-45 SERIES.....	---	155,745	---	155,745	---	---
50	POWER PLANT CHANGES.....	---	24,633	---	24,633	---	---
51	JPATS SERIES.....	---	22,682	---	22,682	---	---
52	AVIATION LIFE SUPPORT MODS.....	---	40,401	---	1,819	---	-38,582
53	COMMON ECM EQUIPMENT.....	---	138,480	---	134,366	---	-4,114
54	COMMON AVIONICS CHANGES.....	---	143,322	---	123,416	---	-19,906
55	COMMON DEFENSIVE WEAPON SYSTEM.....	---	2,142	---	2,142	---	---
56	ID SYSTEMS.....	---	35,999	---	35,999	---	---
57	P-8 SERIES.....	---	180,530	---	172,821	---	-7,709
58	MAGTF EW FOR AVIATION.....	---	27,794	---	26,822	---	-972
59	MQ-8 SERIES.....	---	28,774	---	28,774	---	---
60	V-22 (TILT/ROTOR ACFT) OSPREY.....	---	334,405	---	320,989	---	-13,416
61	NEXT GENERATION JAMMER (NGJ).....	---	176,638	---	125,552	---	-51,086
62	F-35 STOVL SERIES.....	---	153,588	---	162,550	---	+8,962
63	F-35 CV SERIES.....	---	105,452	---	115,462	---	+10,000
64	QUICK REACTION CAPABILITY (QRC).....	---	126,618	---	126,618	---	---
65	MQ-4 SERIES.....	---	12,998	---	9,969	---	-3,029
66	RQ-21 SERIES.....	---	18,550	---	14,725	---	-3,825
	TOTAL, MODIFICATION OF AIRCRAFT.....	---	4,029,300	---	3,716,827	---	-312,473

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT	COMMITTEE RECOMMENDED QTY AMOUNT	CHANGE FROM REQUEST QTY AMOUNT
70	AIRCRAFT SPARES AND REPAIR PARTS SPARES AND REPAIR PARTS.....	--- 2,198,460	--- 2,092,929	--- -105,531
71	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES COMMON GROUND EQUIPMENT.....	--- 543,559	--- 447,546	--- -96,013
72	AIRCRAFT INDUSTRIAL FACILITIES.....	--- 75,685	--- 75,685	--- ---
73	WAR CONSUMABLES.....	--- 40,633	--- 40,633	--- ---
74	OTHER PRODUCTION CHARGES.....	--- 21,194	--- 21,194	--- ---
75	SPECIAL SUPPORT EQUIPMENT.....	--- 155,179	--- 155,179	--- ---
76	FIRST DESTINATION TRANSPORTATION.....	--- 2,121	--- 2,121	--- ---
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	--- ---	--- 100,000	--- +100,000
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES..	--- 838,371	--- 842,358	--- +3,987
	TOTAL, AIRCRAFT PROCUREMENT, NAVY.....	--- 17,127,378	--- 17,710,109	--- +582,731

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)	1,761,146	1,725,400	-35,746
Contract award savings		-14,023	
Rec flyaway ECO excess growth		-8,366	
Ancillary equipment excess growth		-13,367	
3 JOINT STRIKE FIGHTER CV	2,181,780	2,286,280	104,500
Program increase - accelerate depot standup		104,500	
4 JOINT STRIKE FIGHTER CV (AP-CY)	330,386	326,147	-4,239
Excess long lead material		-4,239	
5 JSF STOVL	1,109,393	1,213,893	104,500
Program increase - accelerate depot standup		104,500	
7 CH-53K (HEAVY LIFT)	813,324	1,050,634	237,310
NRE previously funded		-12,690	
Program increase - two additional aircraft		250,000	
9 V-22 (MEDIUM LIFT)	934,793	897,232	-37,561
MV-22 unit cost growth		-13,024	
Support costs excess growth		-11,061	
CMV-22 unit cost growth		-13,476	
11 UH-1Y/AH-1Z	7,267	3,816	-3,451
Other ILS prior year carryover		-3,451	
13 P-8A POSEIDON	80,134	510,000	429,866
Production line shutdown and acquisition closure early to need		-80,134	
Program increase - three aircraft only for the Navy Reserve		510,000	
15 E-2D ADV HAWKEYE	626,109	791,140	165,031
GFE electronics excess growth		-3,469	
Peculiar training equipment excess growth		-10,000	
Program increase - one additional aircraft		178,500	
17 ADVANCED HELICOPTER TRAINING SYSTEM	269,867	236,146	-33,721
Other ILS excess growth		-33,721	
18 KC-130J	380,984	375,558	-5,426
Unit cost growth		-5,426	
21 MQ-4 TRITON	150,570	264,464	113,894
Production line preservation costs excess to need		-36,106	
Program increase - one additional aircraft		150,000	

P-1	Budget Request	Committee Recommended	Change from Request
<b>23 MQ-8 UAV</b>	<b>40,375</b>	<b>34,759</b>	<b>-5,616</b>
NRE for FFG(X) early to need		-1,550	
Ancillary equipment excess growth		-4,066	
<b>26 VH-92A EXECUTIVE HELO</b>	<b>610,231</b>	<b>577,638</b>	<b>-32,593</b>
Unit cost growth		-20,191	
Production engineering support previously funded		-12,402	
<b>28 F-18 A-D UNIQUE</b>	<b>208,261</b>	<b>183,449</b>	<b>-24,812</b>
F/A-18 aircraft structural life management plan (OSIP 11-99) unit cost growth		-5,462	
F/A-18 aircraft structural life management plan (OSIP 11-99) other support excess growth		-4,587	
F/A-18 aircraft structural life management plan (OSIP 11-99) installation excess growth		-1,942	
USMC F/A-18 upgrade ECP-583 unit cost growth		-12,821	
<b>29 F-18E/F AND EA-18G MODERNIZATION AND SUSTAIN</b>	<b>468,954</b>	<b>394,688</b>	<b>-74,266</b>
EA-18G unique (OSIP 011-10) unit cost growth		-15,787	
EA-18G unique (OSIP 011-10) installation equipment excess growth		-8,984	
EA-18G unique (OSIP 011-10) support excess growth		-14,723	
Power and propulsion (OSIP 11-13) unit cost growth		-9,205	
E/F and EA-18G correction of deficiencies (OSIP 14-03) installation kits N/R excess growth		-2,890	
E/F and EA-18G correction of deficiencies (OSIP 14-03) prior year procurement installation excess growth		-22,677	
<b>31 AV-8 SERIES</b>	<b>34,082</b>	<b>32,684</b>	<b>-1,398</b>
Common OFP V4 (OSIP 023-00) previously funded		-1,398	
<b>32 INFRARED SEARCH AND TRACK (IRST)</b>	<b>158,055</b>	<b>127,695</b>	<b>-30,360</b>
Installation equipment excess growth		-9,654	
Support equipment excess growth		-20,706	
<b>34 F-18 SERIES</b>	<b>379,351</b>	<b>369,600</b>	<b>-9,751</b>
AESA/AN/APG-65/AN-APG-73 (OSIP 002-07) installation equipment N/R previously funded		-6,663	
DTP-N B kits unit cost growth (OSIP 001-10)		-3,088	
<b>36 MH-60 SERIES</b>	<b>131,584</b>	<b>144,940</b>	<b>13,356</b>
MIDS BU2B kits unit cost growth (OSIP 018-12)		-1,644	
Program increase - helicopter long range active sonar systems		5,000	
Program increase - MH-60S block 3A modernization		10,000	

P-1	Budget Request	Committee Recommended	Change from Request
<b>37 H-1 SERIES</b>	<b>185,140</b>	<b>152,562</b>	<b>-32,578</b>
FMV Phase 2.0 kits (OSIP 015-12) previously funded		-2,440	
Installation equipment NRE (OSIP 015-12) excess growth		-4,379	
APR-39D(V)2 kits (OSIP 016-12) early to need		-6,720	
Target sight system block upgrade (OSIP 016-12) unit cost growth		-2,721	
Other support (OSIP 016-12) excess growth		-5,256	
ECS thermal kits (OSIP 013-14) previously funded		-1,245	
Rotor brake system kits (OSIP 013-14) previously funded		-5,500	
Installation equipment NRE (OSIP 013-14) unjustified request		-4,317	
<b>40 E-2 SERIES</b>	<b>175,540</b>	<b>171,057</b>	<b>-4,483</b>
Advanced radar processor (OSIP 003-20) previously funded		-4,483	
<b>42 C-2A</b>	<b>9,525</b>	<b>6,367</b>	<b>-3,158</b>
Wing center section kits (OSIP 014-17) early to need		-3,158	
<b>43 C-130 SERIES</b>	<b>141,705</b>	<b>124,653</b>	<b>-17,052</b>
JAGM A kit procurement and installation (OSIP 022-07) early to need		-6,741	
GFE excess growth (OSIP 019-14)		-8,509	
Installation excess growth (OSIP 019-14)		-1,802	
<b>46 E-6 SERIES</b>	<b>197,206</b>	<b>196,028</b>	<b>-1,178</b>
FAB-T A kits installation (OSIP 014-14) previously funded		-1,178	
<b>47 EXECUTIVE HELICOPTERS SERIES</b>	<b>29,086</b>	<b>25,970</b>	<b>-3,116</b>
Software support (OSIP 006-21) early to need		-3,116	
<b>52 AVIATION LIFE SUPPORT MODS</b>	<b>40,401</b>	<b>1,819</b>	<b>-38,582</b>
Kits early to need due to contract delays		-38,582	
<b>53 COMMON ECM EQUIPMENT</b>	<b>138,480</b>	<b>134,366</b>	<b>-4,114</b>
MV-22 kit cost growth (OSIP 014-90)		-2,019	
H-1 kit cost growth (OSIP 014-90)		-2,095	
<b>54 COMMON AVIONICS CHANGES</b>	<b>143,322</b>	<b>123,416</b>	<b>-19,906</b>
Installation (OSIP 71-88) excess cost growth		-1,454	
Installation equipment (OSIP 21-01) excess cost growth		-10,852	
Installation equipment NRE (OSIP 06-20) excess growth		-7,600	
<b>57 P-8 SERIES</b>	<b>180,530</b>	<b>172,821</b>	<b>-7,709</b>
Increment 3 aircrew trainers (OSIP 006-18) previously funded		-7,709	
<b>58 MAGTF EW FOR AVIATION</b>	<b>27,794</b>	<b>26,822</b>	<b>-972</b>
Support equipment (OSIP 010-13) excess growth		-3,472	
Program increase - intrepid tiger II		2,500	



P-1	Budget Request	Committee Recommended	Change from Request
<b>60 V-22 (TILT/ROTOR ACFT) OSPREY</b>	<b>334,405</b>	<b>320,989</b>	<b>-13,416</b>
Enhanced crash survivable memory unit (OSIP 022-01) early to need		-1,440	
V-22 PRGB input quill/clutch redesign previously funded		-1,500	
Common configuration (OSIP 011-17) unit cost growth		-6,398	
Traffic collision avoidance system (OSIP 009-19) previously funded		-2,352	
Installation kits NRE (OSIP 009-19) previously funded		-1,726	
<b>61 NEXT GENERATION JAMMER (NGJ)</b>	<b>176,638</b>	<b>125,552</b>	<b>-51,086</b>
NGJ mid-band pod shipset (OSIP 002-19) program reduction		-38,183	
Other support (OSIP 002-19) unjustified request		-12,903	
<b>62 F-35 STOVL SERIES</b>	<b>153,588</b>	<b>162,550</b>	<b>8,962</b>
B kits (OSIP 004-19) unit cost growth		-1,038	
Program increase - reliability and maintainability improvement program		10,000	
<b>63 F-35 CV SERIES</b>	<b>105,452</b>	<b>115,452</b>	<b>10,000</b>
Program increase - reliability and maintainability improvement program		10,000	
<b>65 MQ-4 SERIES</b>	<b>12,998</b>	<b>9,969</b>	<b>-3,029</b>
Operating base installation (OSIP 009-18) early to need		-3,029	
<b>66 RQ-21 SERIES</b>	<b>18,550</b>	<b>14,725</b>	<b>-3,825</b>
SURFR payload suite (OSIP 004-20) unit cost growth		-3,825	
<b>70 SPARES AND REPAIR PARTS</b>	<b>2,198,460</b>	<b>2,092,929</b>	<b>-105,531</b>
CH-53K spares excess growth		-25,984	
E-2D AHE spares excess growth		-14,773	
VH-92 spares excess growth		-36,169	
Spares for repair of repairables excess growth		-15,300	
Spares for modifications excess growth		-47,555	
Program increase - F/A-18 E/F engine spares		34,250	
<b>71 COMMON GROUND EQUIPMENT</b>	<b>543,559</b>	<b>447,546</b>	<b>-96,013</b>
Hydraulics particle counter contract award delay		-2,815	
Carrier air wing DMT upgrades unjustified request		-76,398	
NAMSP VMTS upgrades unjustified growth		-16,800	
<b>PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS</b>		<b>100,000</b>	<b>100,000</b>

## F/A-18 E/F SUPER HORNET PRODUCTION

The Committee appreciates the focus that the Navy has recently placed on reducing the strike fighter shortfall and improving the readiness of its tactical aviation fleet. As such, the Committee continues to support the F/A-18 E/F Super Hornet program and funds the request for 24 aircraft in fiscal year 2021. However, the Committee notes that the future years defense program eliminates the further procurement of F/A-18 E/F aircraft, resulting in a reduction of three years of production and three squadrons of aircraft from the previously planned future years defense program. The Committee believes that the Navy's decision to eliminate future production of F/A-18 E/F aircraft is premature and requires further analysis. The Navy states that this elimination of new aircraft is offset by the startup of the F/A-18E/F Service Life Modification (SLM) program, which will extend the life of the Super Hornet fleet and maintain tactical aviation readiness. While this is somewhat true, the SLM program is in its nascent stage and will take time to contribute to fleet readiness levels. SLM also relies on a production line of new Super Hornets for on-time parts and production expertise. It is unclear if the Navy has assessed the impact of eliminating new Super Hornets on SLM cost, effectiveness, and the long-term cost of sustaining an increasingly aging fleet.

The Committee directs the Secretary of the Navy to submit a report to the congressional defense committees not later than 45 days after the enactment of this Act that provides an update on the Navy's strike fighter shortfall projected over the next 20 years, the impact of these previously mentioned outyear aircraft reductions on this shortfall, and an updated schedule of inductions and deliveries of aircraft in the SLM program. Further, the Committee directs the Director of the Office of Cost Assessment and Program Evaluation to provide a report to the congressional defense committees not later than 45 days after the enactment of this Act on the life-cycle cost assessment of aircraft inducted through SLM and new aircraft, including procurement, personnel, and cost-per-flight hour comparisons.

## V-22 NACELLE IMPROVEMENT PROGRAM

The nacelle improvement program modifies MV-22 and CV-22 aircraft to improve mission capable rates by ten percent per aircraft. The program is one of the Marine Corps' highest priorities for V-22 readiness. The Committee encourages the Secretary of the Navy to increase the program beyond the current common configuration readiness and modernization effort to accelerate readiness and maintainability of the Marine Corps V-22 fleet.

## WEAPONS PROCUREMENT, NAVY

Fiscal year 2020 appropriation .....	\$4,017,470,000
Fiscal year 2021 budget request .....	4,884,995,000
Committee recommendation .....	4,378,594,000
Change from budget request .....	-506,401,000

The Committee recommends an appropriation of \$4,378,594,000 for Weapons Procurement, Navy which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
WEAPONS PROCUREMENT, NAVY							
	BALLISTIC MISSILES						
	MODIFICATION OF MISSILES						
1	TRIDENT II MODS.....	---	1,173,837	---	1,132,223	---	-41,614
	SUPPORT EQUIPMENT AND FACILITIES						
2	MISSILE INDUSTRIAL FACILITIES.....	---	7,275	---	7,275	---	---
	TOTAL, BALLISTIC MISSILES.....	---	1,181,112	---	1,139,498		-41,614
	OTHER MISSILES						
	STRATEGIC MISSILES						
3	TOMAHAWK.....	155	277,694	155	247,874	---	-29,820
	TACTICAL MISSILES						
4	ANRAAM.....	325	326,952	325	242,019	---	-84,933
5	SIDEWINDER.....	270	126,485	270	110,140	---	-16,345
7	STANDARD MISSILE.....	125	456,206	125	365,266	---	-90,940
8	STANDARD MISSILE (AP-CY).....	---	66,716	---	66,716	---	---
9	SMALL DIAMETER BOMB II.....	357	78,867	357	62,355	---	-16,512
10	RAM.....	100	90,533	100	90,533	---	---
11	JOINT AIR GROUND MISSILE (JAGM).....	203	49,386	203	37,908	---	-11,478
14	AERIAL TARGETS.....	---	174,336	---	171,408	---	-2,928
15	DRONES AND DECOYS.....	68	41,256	68	18,402	---	-22,854
16	OTHER MISSILE SUPPORT.....	---	3,501	---	3,501	---	---
17	LRASM.....	48	168,845	48	134,065	---	-34,780
18	LCS 0TH MISSILE.....	15	32,910	15	32,910	---	---
	MODIFICATION OF MISSILES						
19	TOMAHAWK MODS.....	---	164,915	---	161,308	---	-3,607
20	ESSM.....	120	215,375	120	212,637	---	-2,738
22	HARM MODS.....	24	147,572	24	122,649	---	-24,923
23	STANDARD MISSILES MODS.....	---	83,654	---	47,927	---	-35,727
	SUPPORT EQUIPMENT AND FACILITIES						
24	WEAPONS INDUSTRIAL FACILITIES.....	---	1,996	---	1,996	---	---
25	FLEET SATELLITE COMM FOLLOW-ON.....	---	53,401	---	35,987	---	-17,414
	ORDNANCE SUPPORT EQUIPMENT						
27	ORDNANCE SUPPORT EQUIPMENT.....	---	215,659	---	150,688	---	-64,971
	TOTAL, OTHER MISSILES.....	---	2,776,259	---	2,316,289		-459,970

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
	TORPEDOES AND RELATED EQUIPMENT						
28	TORPEDOES AND RELATED EQUIP SSTD.....	---	5,811	---	5,811	---	---
29	MK-48 TORPEDO.....	110	284,901	110	273,344	---	-11,557
30	ASW TARGETS.....	---	13,833	---	13,833	---	---
	MOD OF TORPEDOES AND RELATED EQUIP						
31	MK-54 TORPEDO MODS.....	---	110,286	---	103,441	---	-6,845
32	MK-48 TORPEDO ADCAP MODS.....	---	57,214	---	55,699	---	-1,515
33	MARITIME MINES.....	---	5,832	---	5,832	---	---
	SUPPORT EQUIPMENT						
34	TORPEDO SUPPORT EQUIPMENT.....	---	97,581	---	94,103	---	-3,478
35	ASW RANGE SUPPORT.....	---	4,159	---	4,159	---	---
	DESTINATION TRANSPORTATION						
36	FIRST DESTINATION TRANSPORTATION.....	---	4,106	---	4,106	---	---
	TOTAL, TORPEDOES AND RELATED EQUIPMENT.....	---	583,723	---	560,328	---	-23,395
	OTHER WEAPONS						
	GUNS AND GUN MOUNTS						
37	SMALL ARMS AND WEAPONS.....	---	16,030	---	9,030	---	-7,000
	MODIFICATION OF GUNS AND GUN MOUNTS						
38	CIWS MODS.....	---	37,147	---	37,147	---	---
39	COAST GUARD WEAPONS.....	---	45,804	---	43,150	---	-2,654
40	GUN MOUNT MODS.....	---	74,427	---	102,068	---	+27,641
41	LCS MODULE WEAPONS.....	32	4,253	32	4,253	---	---
42	AIRBORNE MINE NEUTRALIZATION SYSTEMS.....	---	6,662	---	6,662	---	---
	TOTAL, OTHER WEAPONS.....	---	184,323	---	202,310	---	+17,987
45	SPARES AND REPAIR PARTS.....	---	159,578	---	135,169	---	-24,409
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	---	---	---	25,000	---	+25,000
	TOTAL, WEAPONS PROCUREMENT, NAVY.....	---	4,884,995	---	4,378,594	---	-506,401

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
<b>1 TRIDENT II MODS</b>	<b>1,173,837</b>	<b>1,132,223</b>	<b>-41,614</b>
Joint fuze sustainment production delays		-34,163	
Tooling, test/support equipment excess growth		-1,420	
Production support/missile hardware excess growth		-6,031	
<b>3 TOMAHAWK</b>	<b>277,694</b>	<b>247,874</b>	<b>-29,820</b>
Unit cost carryover		-3,780	
Contract award delay		-26,040	
<b>4 AMRAAM</b>	<b>326,952</b>	<b>242,019</b>	<b>-84,933</b>
Contract award delay		-83,232	
Training equipment previously funded		-1,701	
<b>5 SIDEWINDER</b>	<b>126,485</b>	<b>110,140</b>	<b>-16,345</b>
Unit cost growth		-12,834	
Government in-house support previously funded		-3,511	
<b>7 STANDARD MISSILE</b>	<b>456,206</b>	<b>365,266</b>	<b>-90,940</b>
AUR early to need		-65,940	
Production start-up early to need		-25,000	
<b>9 SMALL DIAMETER BOMB II</b>	<b>78,867</b>	<b>62,355</b>	<b>-16,512</b>
Contract award delay		-16,512	
<b>11 JOINT AIR GROUND MISSILE (JAGM)</b>	<b>49,386</b>	<b>37,908</b>	<b>-11,478</b>
Contract award delay		-11,478	
<b>14 AERIAL TARGETS</b>	<b>174,336</b>	<b>171,408</b>	<b>-2,928</b>
EM443 hardware procurements/modifications excess growth		-2,375	
EM702 ground equipment previously funded		-553	
<b>15 DRONES AND DECOYS</b>	<b>41,256</b>	<b>18,402</b>	<b>-22,854</b>
Excess to need		-22,854	
<b>17 LRASM</b>	<b>168,845</b>	<b>134,065</b>	<b>-34,780</b>
Excess to need/contract award delay		-34,780	
<b>19 TOMAHAWK MODS</b>	<b>164,915</b>	<b>161,308</b>	<b>-3,607</b>
MST kits excess cost growth		-3,607	
<b>20 ESSM</b>	<b>215,375</b>	<b>212,637</b>	<b>-2,738</b>
Test equipment early to need		-2,738	
<b>22 HARM MODS</b>	<b>147,572</b>	<b>122,649</b>	<b>-24,923</b>
AARGM AUR installation kits excess cost growth		-7,060	
AARGM ER installation kits excess cost		-16,657	
AARGM ER long lead components unjustified request		-1,206	

P-1	Budget Request	Committee Recommended	Change from Request
<b>23 STANDARD MISSILES MODS</b>	<b>83,654</b>	<b>47,927</b>	<b>-35,727</b>
SM-2 Block IIIC excess cost		-16,980	
SM-2 Block IIIA2 modifications excess cost growth		-10,464	
Diminishing manufacturing resources early to need		-8,283	
<b>25 FLEET SATELLITE COMM FOLLOW-ON</b>	<b>53,401</b>	<b>35,987</b>	<b>-17,414</b>
MUOS upgrade mod kits failure to comply with congressional direction		-17,414	
<b>27 ORDNANCE SUPPORT EQUIPMENT</b>	<b>215,659</b>	<b>150,688</b>	<b>-64,971</b>
Excess growth		-64,971	
<b>29 MK-48 TORPEDO</b>	<b>284,901</b>	<b>273,344</b>	<b>-11,557</b>
Guidance and control section excess unit cost growth		-5,389	
After body/tail cone excess unit cost growth		-2,668	
NRE excess to need		-3,500	
<b>31 MK-54 TORPEDO MODS</b>	<b>110,286</b>	<b>103,441</b>	<b>-6,845</b>
HAAWC kits early to need		-6,845	
<b>32 MK-48 TORPEDO ADCAP MODS</b>	<b>57,214</b>	<b>55,699</b>	<b>-1,515</b>
CBASS kits excess cost growth		-1,515	
<b>34 TORPEDO SUPPORT EQUIPMENT</b>	<b>97,581</b>	<b>94,103</b>	<b>-3,478</b>
WES expansion box delays		-3,478	
<b>37 SMALL ARMS AND WEAPONS</b>	<b>16,030</b>	<b>9,030</b>	<b>-7,000</b>
MK50MOD1/CROWS II unjustified request		-7,000	
<b>39 COAST GUARD WEAPONS</b>	<b>45,804</b>	<b>43,150</b>	<b>-2,654</b>
Machine gun system equipment OPC unjustified request		-2,654	
<b>40 GUN MOUNT MODS</b>	<b>74,427</b>	<b>102,068</b>	<b>27,641</b>
MK38 backfit kits unjustified growth		-5,459	
Operator ballistic protection for crew served weapons - rescind and reappropriate unobligated fiscal year 2020 funding		13,100	
Program increase - operator ballistic protection for crew served weapons		20,000	
<b>45 SPARES AND REPAIR PARTS</b>	<b>159,578</b>	<b>135,169</b>	<b>-24,409</b>
Gun mount mods spares early to need		-2,335	
Standard missile spares excess growth		-13,769	
RAM spares unjustified growth		-8,305	
<b>PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS</b>		<b>25,000</b>	<b>25,000</b>

PROCUREMENT OF AMMUNITION, NAVY AND MARINE  
CORPS

Fiscal year 2020 appropriation .....	\$843,401,000
Fiscal year 2021 budget request .....	883,602,000
Committee recommendation .....	795,134,000
Change from budget request .....	- 88,468,000

The Committee recommends an appropriation of \$795,134,000 for Procurement of Ammunition, Navy and Marine Corps which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
PROCUREMENT OF AMMO, NAVY & MARINE CORPS							
1	PROC AMMO, NAVY NAVY AMMUNITION GENERAL PURPOSE BOMBS.....	---	41,496	---	41,496	---	---
2	JDAM.....	2,865	64,631	2,865	64,631	---	---
3	AIRBORNE ROCKETS, ALL TYPES.....	---	60,719	---	36,805	---	-24,114
4	MACHINE GUN AMMUNITION.....	---	11,158	---	11,158	---	---
5	PRACTICE BOMBS.....	---	51,409	---	51,409	---	---
6	CARTRIDGES & CART ACTUATED DEVICES.....	---	64,694	---	63,263	---	-1,431
7	AIR EXPENDABLE COUNTERMEASURES.....	---	51,523	---	51,523	---	---
8	JATOS.....	---	6,761	---	6,761	---	---
9	5 INCH/54 GUN AMMUNITION.....	---	31,517	---	29,474	---	-2,043
10	INTERMEDIATE CALIBER GUN AMMUNITION.....	---	38,005	---	36,138	---	-1,867
11	OTHER SHIP GUN AMMUNITION.....	---	40,626	---	35,401	---	-5,225
12	SMALL ARMS & LANDING PARTY AMMO.....	---	48,202	---	48,202	---	---
13	PYROTECHNIC AND DEMOLITION.....	---	9,766	---	9,766	---	---
15	AMMUNITION LESS THAN \$5 MILLION.....	---	2,115	---	2,115	---	---
	TOTAL, PROC AMMO, NAVY.....	---	522,622	---	487,942	---	-34,680
PROC AMMO, MARINE CORPS							
16	MARINE CORPS AMMUNITION MORTARS.....	---	46,781	---	45,763	---	-1,018
17	DIRECT SUPPORT MUNITIONS.....	---	119,504	---	79,662	---	-39,842
18	INFANTRY WEAPONS AMMUNITION.....	---	83,220	---	59,264	---	-24,956
19	COMBAT SUPPORT MUNITIONS.....	---	32,650	---	25,003	---	-7,647
20	AMMO MODERNIZATION.....	---	15,144	---	15,144	---	---
21	ARTILLERY MUNITIONS.....	---	59,539	---	54,214	---	-5,325
22	ITEMS LESS THAN \$5 MILLION.....	---	4,142	---	4,142	---	---
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	---	---	---	25,000	---	+25,000
	TOTAL, PROC AMMO, MARINE CORPS.....	---	360,980	---	307,192	---	-53,788
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS.....	---	883,602	---	795,134	---	-88,468



EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
<b>3 AIRBORNE ROCKETS, ALL TYPES</b>	<b>60,719</b>	<b>36,605</b>	<b>-24,114</b>
MK-66 rocket motor contract delays		-24,114	
<b>6 CARTRIDGES &amp; CART ACTUATED DEVICES</b>	<b>64,694</b>	<b>63,263</b>	<b>-1,431</b>
Misc devices under \$500K previously funded		-1,431	
<b>9 5 INCH/54 GUN AMMUNITION</b>	<b>31,517</b>	<b>29,474</b>	<b>-2,043</b>
MK 187 mod 0 projectile unit cost growth		-2,043	
<b>10 INTERMEDIATE CALIBER GUN AMMUNITION</b>	<b>38,005</b>	<b>36,138</b>	<b>-1,867</b>
BA23 contract award delay		-1,867	
<b>11 OTHER SHIP GUN AMMUNITION</b>	<b>40,626</b>	<b>35,401</b>	<b>-5,225</b>
M72A8 LAW early to need		-5,225	
<b>16 MORTARS</b>	<b>46,781</b>	<b>45,763</b>	<b>-1,018</b>
CA66 fuze unit cost growth		-1,018	
<b>17 DIRECT SUPPORT MUNITIONS</b>	<b>119,504</b>	<b>79,662</b>	<b>-39,842</b>
Marine Corps identified excess to need		-39,842	
<b>18 INFANTRY WEAPONS AMMUNITION</b>	<b>83,220</b>	<b>58,264</b>	<b>-24,956</b>
BA54 excess growth		-7,242	
BA55 excess growth		-7,669	
A940 unit cost growth		-559	
A059 unit cost growth		-8,195	
AB57 unit cost growth		-1,045	
A023 contract award delay		-246	
<b>19 COMBAT SUPPORT MUNITIONS</b>	<b>32,650</b>	<b>25,003</b>	<b>-7,647</b>
Linear charges, all types prior year carryover		-3,649	
81mm non-lethal indirect fire munition unjustified request		-3,998	
<b>21 ARTILLERY MUNITIONS</b>	<b>59,539</b>	<b>54,214</b>	<b>-5,325</b>
DA54 explosive fill IMX 101 unit cost savings		-2,033	
DA54 M795 IM metal part unit cost savings		-1,614	
NA29 complete fuze unit cost savings		-1,678	
<b>PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS</b>		<b>25,000</b>	<b>25,000</b>

## SHIPBUILDING AND CONVERSION, NAVY

Fiscal year 2020 appropriation .....	\$23,975,378,000
Fiscal year 2021 budget request .....	19,902,757,000
Committee recommendation .....	22,257,938,000
Change from budget request .....	+2,355,181,000

The Committee recommends an appropriation of \$22,257,938,000 for Shipbuilding and Conversion, Navy which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST		COMMITTEE RECOMMENDED		CHANGE FROM REQUEST	
		QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
SHIPBUILDING & CONVERSION, NAVY							
1	FLEET BALLISTIC MISSILE SHIPS						
	COLUMBIA CLASS SUBMARINE.....	1	2,891,475	1	2,862,179	---	-29,296
2	COLUMBIA CLASS SUBMARINE (AP-CY).....	---	1,123,175	---	1,123,175	---	---
OTHER WARSHIPS							
3	CARRIER REPLACEMENT PROGRAM (CVN 80).....	---	997,544	---	904,800	---	-92,744
4	CARRIER REPLACEMENT PROGRAM (CVN 81).....	---	1,645,606	---	1,606,432	---	-39,174
5	VIRGINIA CLASS SUBMARINE.....	1	1,862,693	1	4,603,213	---	+2,740,520
6	VIRGINIA CLASS SUBMARINE (AP-CY).....	---	2,373,187	---	2,173,187	---	-200,000
7	CVN REFUELING OVERHAUL.....	---	1,878,453	---	1,878,453	---	---
8	CVN REFUELING OVERHAULS (AP-CY).....	---	17,384	---	17,384	---	---
9	DDG 1000.....	---	78,205	---	78,205	---	---
10	DDG-51.....	2	3,040,270	2	2,931,245	---	-109,025
11	DDG-51 (AP-CY).....	---	29,297	---	29,297	---	---
13	FFG-FRIGATE.....	1	1,053,123	1	1,053,123	---	---
	TOTAL, OTHER WARSHIPS.....	---	12,975,762	---	15,275,339	---	+2,299,577
AMPHIBIOUS SHIPS							
14	LPD FLIGHT II.....	1	1,155,801	1	1,155,801	---	---
	TOTAL, AMPHIBIOUS SHIPS.....	---	1,155,801	---	1,155,801	---	---
AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS							
20	TAO FLEET OILER.....	---	---	---	20,000	---	+20,000
22	TOWING, SALVAGE, AND RESCUE SHIP (ATS).....	2	168,209	2	157,790	---	-10,419
23	LCU 1700.....	5	87,395	5	87,395	---	---
24	OUTFITTING.....	---	825,586	---	806,539	---	-19,047
26	SERVICE CRAFT.....	---	249,781	---	244,147	---	-5,634
27	LCAC SLEP.....	3	56,461	3	56,461	---	---
28	COMPLETION OF PY SHIPBUILDING PROGRAMS.....	---	369,112	---	369,112	---	---
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	---	---	---	100,000	---	+100,000
	TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM.....	---	1,756,544	---	1,841,444	---	+84,900
	TOTAL, SHIPBUILDING & CONVERSION, NAVY.....	---	19,902,757	---	22,257,938	---	+2,355,181

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
<b>1 COLUMBIA CLASS SUBMARINE</b>	<b>2,891,475</b>	<b>2,862,179</b>	<b>-29,296</b>
CANES early to need		-4,484	
Electronic warfare early to need		-11,992	
Photonics early to need		-12,820	
<b>3 CARRIER REPLACEMENT PROGRAM (CVN 80)</b>	<b>997,544</b>	<b>904,800</b>	<b>-92,744</b>
Hardware procurements early to need		-92,744	
<b>4 CARRIER REPLACEMENT PROGRAM (CVN-81)</b>	<b>1,645,606</b>	<b>1,606,432</b>	<b>-39,174</b>
Hardware procurements early to need		-39,174	
<b>5 VIRGINIA CLASS SUBMARINE</b>	<b>1,862,693</b>	<b>4,603,213</b>	<b>2,740,520</b>
Universal modular mast excess funds		-4,449	
Propulsor excess funds		-12,809	
Hardware excess funds		-10,222	
Navy requested transfer from line 6 for justification material error		472,000	
Program increase - one additional submarine		2,296,000	
<b>6 VIRGINIA CLASS SUBMARINE (AP-CY)</b>	<b>2,373,187</b>	<b>2,173,187</b>	<b>-200,000</b>
Navy requested transfer to line 5 for justification material error		-472,000	
Program increase - one additional submarine		272,000	
<b>10 DDG-51</b>	<b>3,040,270</b>	<b>2,931,245</b>	<b>-109,025</b>
Excess funds		-109,025	
<b>20 TAO FLEET OILER</b>	<b>0</b>	<b>20,000</b>	<b>20,000</b>
Program increase - affordability initiatives		20,000	
<b>22 TOWING, SALVAGE, AND RESCUE SHIP (ATS)</b>	<b>168,209</b>	<b>157,790</b>	<b>-10,419</b>
Excess cost growth		-10,419	
<b>24 OUTFITTING</b>	<b>825,586</b>	<b>806,539</b>	<b>-19,047</b>
Virginia class outfitting excess growth		-4,718	
DDG-51 excess growth		-1,892	
LPD outfitting early to need		-2,000	
LCU outfitting early to need		-1,089	
DDG-1000 post-delivery early to need		-3,753	
LCS post-delivery excess to need		-5,595	
<b>26 SERVICE CRAFT</b>	<b>249,781</b>	<b>244,147</b>	<b>-5,634</b>
APL cost growth		-2,173	
YC contract award delays		-3,461	
<b>PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS</b>		<b>100,000</b>	<b>100,000</b>

## TAO FLEET OILER PROGRAM

The Committee recognizes that Navy TAO Fleet Oilers are essential for providing fuel to deployed ships, allowing them and their embarked aircraft to remain combat ready and extending the reach of naval forces worldwide. However, while the Committee remains supportive of the TAO Fleet Oiler program, it understands there are long term affordability concerns with the program due to aggregate capability and material choices made during the post-contract award phase. The Committee also believes that ship costs must be reduced in order to build the required fleet of ships. Therefore, the Committee recommendation includes \$20,000,000 for non-recurring engineering costs to execute cost reduction initiatives and requirements changes that should be inserted into the TAO design as soon as practical.

Additionally, the Committee directs the Secretary of the Navy to submit a report to the congressional defense committees not later than 45 days after the enactment of this Act that details how these changes will be implemented and the savings they will produce.

## SHIP TO SHORE CONNECTOR

The Committee remains supportive of the Ship to Shore Connector (SSC) acquisition program which aims to replace the rapidly aging Landing Craft Air Cushion vehicle fleet. While the Committee is concerned with program delays, it is encouraged by the first craft delivery and the award to build the next 15 SSCs. This award, which includes an additional SSC provided by Congress in the Department of Defense Appropriations Act, 2020, helps fulfill an important "Operational Maneuver from the Sea" requirement. This will allow the Navy and Marine Corps to fulfill future amphibious assault and humanitarian missions. The Committee encourages the Secretary of the Navy to ensure next-generation SSC craft continue to be an integral element of the fleet's responsibilities for ensuring personnel and equipment are supplied from amphibious ships to the shore.

## DDG-51 MULTI YEAR PROCUREMENT

The Committee continues to support the Navy's stated goal of a 355-ship fleet, which is an essential part of the National Defense Strategy and its emphasis on near-peer competitors. The Committee recognizes that DDG-51 Destroyers are the backbone of the surface fleet, providing multi-mission flexibility and increasing capability with the introduction of the Flight III variant. The Committee understands the Navy has plans to develop and procure a future Large Surface Combatant in the near future, and notes that the current multi-year procurement of DDG-51s will end in fiscal year 2022. The Committee believes that a follow-on DDG-51 multi-year procurement contract awarded for fiscal year 2023 will ensure that Flight III capability will be available to the fleet and the domestic industrial base will be sustained until the award of the Large Surface Combatant contract. The Committee encourages the Secretary of the Navy to review the potential benefits of awarding a multi-year contract for DDG-51 Flight IIIs in fiscal year 2023.

## OTHER PROCUREMENT, NAVY

Fiscal year 2020 appropriation .....	\$10,075,257,000
Fiscal year 2021 budget request .....	10,948,518,000
Committee recommendation .....	9,986,796,000
Change from budget request .....	− 961,722,000

The Committee recommends an appropriation of \$9,986,796,000 for Other Procurement, Navy which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
OTHER PROCUREMENT, NAVY							
	SHIPS SUPPORT EQUIPMENT						
	SHIP PROPULSION EQUIPMENT						
1	SURFACE POWER EQUIPMENT.....	---	11,738	---	10,661	---	-1,077
	GENERATORS						
2	SURFACE COMBATANT HM&E.....	---	58,497	---	54,628	---	-3,869
	NAVIGATION EQUIPMENT						
3	OTHER NAVIGATION EQUIPMENT.....	---	74,084	---	74,084	---	---
	PERISCOPES						
4	SUB PERISCOPES AND IMAGING SUPPORT EQUIPMENT PROGRAM.....	---	204,806	---	190,954	---	-13,852
	OTHER SHIPBOARD EQUIPMENT						
5	DDG MOD.....	---	547,569	---	512,155	---	-35,414
6	FIREFIGHTING EQUIPMENT.....	---	18,394	---	18,394	---	---
7	COMMAND AND CONTROL SWITCHBOARD.....	---	2,374	---	2,374	---	---
8	LHA/LHD MIDLIFE.....	---	78,265	---	68,512	---	-11,753
9	POLLUTION CONTROL EQUIPMENT.....	---	23,035	---	20,222	---	-2,813
10	SUBMARINE SUPPORT EQUIPMENT.....	---	64,632	---	64,632	---	---
11	VIRGINIA CLASS SUPPORT EQUIPMENT.....	---	22,868	---	22,868	---	---
12	LCS CLASS SUPPORT EQUIPMENT.....	---	3,976	---	7,976	---	+4,000
13	SUBMARINE BATTERIES.....	---	31,322	---	31,322	---	---
14	LPD CLASS SUPPORT EQUIPMENT.....	---	50,475	---	45,475	---	-5,000
15	DDG-1000 SUPPORT EQUIPMENT.....	---	42,279	---	31,659	---	-10,620
16	STRATEGIC PLATFORM SUPPORT EQUIP.....	---	15,429	---	15,429	---	---
17	DSSP EQUIPMENT.....	---	2,918	---	2,918	---	---
18	CRUISER MODERNIZATION.....	---	87,978	---	87,978	---	---
19	LCAC.....	---	9,366	---	6,758	---	-2,608
20	UNDERWATER EOD PROGRAMS.....	---	16,842	---	16,842	---	---
21	ITEMS LESS THAN \$5 MILLION.....	---	105,715	---	105,715	---	---
22	CHEMICAL WARFARE DETECTORS.....	---	3,044	---	3,044	---	---
23	SUBMARINE LIFE SUPPORT SYSTEM.....	---	5,885	---	5,885	---	---
24	SHIP MAINTENANCE, REPAIR AND MODERNIZATION.....	---	1,260,721	---	815,945	---	-444,776
	REACTOR PLANT EQUIPMENT						
25	REACTOR POWER UNITS.....	---	5,305	---	5,305	---	---
26	REACTOR COMPONENTS.....	---	415,404	---	401,219	---	-14,185
	OCEAN ENGINEERING						
27	DIVING AND SALVAGE EQUIPMENT.....	---	11,143	---	11,143	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
28	SMALL BOATS STANDARD BOATS.....	---	52,371	---	46,451	---	-5,920
29	PRODUCTION FACILITIES EQUIPMENT OPERATING FORCES IPE.....	---	233,667	---	218,112	---	-15,555
30	OTHER SHIP SUPPORT LCS COMMON MISSION MODULES EQUIPMENT.....	---	39,714	---	36,323	---	-3,391
31	LCS MCM MISSION MODULES.....	---	218,822	---	187,608	---	-31,214
32	LCS ASW MISSION MODULES.....	---	61,769	---	55,703	---	-6,056
33	LCS SUW MISSION MODULES.....	---	24,412	---	24,412	---	---
34	LCS IN-SERVICE MODERNIZATION.....	---	121,848	---	128,848	---	+7,000
35	LOGISTICS SUPPORT SMALL & MEDIUM UUV.....	---	67,709	---	38,135	---	-29,574
	TOTAL, SHIPS SUPPORT EQUIPMENT.....	---	3,894,366	---	3,367,689	---	-626,677
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
37	SHIP SONARS SPQ-9B RADAR.....	---	27,517	---	27,517	---	---
38	AN/SQQ-89 SURF ASW COMBAT SYSTEM.....	---	128,664	---	128,664	---	---
39	SSN ACOUSTICS EQUIPMENT.....	---	374,737	---	372,822	---	-1,915
40	UNDERSEA WARFARE SUPPORT EQUIPMENT.....	---	9,286	---	9,286	---	---
41	ASW ELECTRONIC EQUIPMENT SUBMARINE ACOUSTIC WARFARE SYSTEM.....	---	26,066	---	26,066	---	---
42	SSTD.....	---	13,241	---	13,241	---	---
43	FIXED SURVEILLANCE SYSTEM.....	---	193,446	---	193,446	---	---
44	SURTASS.....	---	63,838	---	63,838	---	---
45	ELECTRONIC WARFARE EQUIPMENT AN/SLQ-32.....	---	387,195	---	353,961	---	-33,234
46	RECONNAISSANCE EQUIPMENT SHIPBOARD IW EXPLOIT.....	---	235,744	---	227,337	---	-8,407
47	AUTOMATED IDENTIFICATION SYSTEM (AIS).....	---	3,862	---	3,862	---	---
48	OTHER SHIP ELECTRONIC EQUIPMENT COOPERATIVE ENGAGEMENT CAPABILITY.....	---	26,006	---	26,006	---	---
49	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS).....	---	15,385	---	15,385	---	---
50	ATDLS.....	---	103,835	---	98,022	---	-5,813
51	NAVY COMMAND AND CONTROL SYSTEM (NCCS).....	---	3,594	---	3,594	---	---
52	MINESWEEPING SYSTEM REPLACEMENT.....	---	15,744	---	15,744	---	---
53	SHALLOW WATER MCM.....	---	5,493	---	5,493	---	---
54	NAVSTAR GPS RECEIVERS (SPACE).....	---	38,043	---	38,043	---	---



(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
55	ARMED FORCES RADIO AND TV.....	---	2,592	---	2,592	---	---
56	STRATEGIC PLATFORM SUPPORT EQUIP.....	---	7,985	---	7,985	---	---
57	AVIATION ELECTRONIC EQUIPMENT ASHORE ATC EQUIPMENT.....	---	83,475	---	82,970	---	-505
58	AFLOAT ATC EQUIPMENT.....	---	65,113	---	54,652	---	-10,461
59	ID SYSTEMS.....	---	23,815	---	23,815	---	---
60	JOINT PRECISION APPROACH AND LANDING SYSTEM.....	---	100,751	---	94,929	---	-5,822
61	NAVAL MISSION PLANNING SYSTEMS.....	---	13,947	---	13,947	---	---
62	OTHER SHORE ELECTRONIC EQUIPMENT MARITIME INTEGRATED BROADCAST SYSTEM.....	---	1,375	---	1,375	---	---
63	TACTICAL/MOBILE C41 SYSTEMS.....	---	22,771	---	22,771	---	---
64	DCGS-N.....	---	18,872	---	18,872	---	---
65	CANES.....	---	389,585	---	389,585	---	---
66	RADIAC.....	---	10,335	---	10,335	---	---
67	CANES-INTELL.....	---	48,654	---	48,654	---	---
68	GPETE.....	---	8,133	---	8,133	---	---
69	NETWORK TACTICAL COMMON DATA LINK.....	---	4,150	---	3,556	---	-594
70	INTEG COMBAT SYSTEM TEST FACILITY.....	---	5,934	---	5,934	---	---
71	EMI CONTROL INSTRUMENTATION.....	---	4,334	---	4,334	---	---
72	ITEMS LESS THAN \$5 MILLION.....	---	159,815	---	154,572	---	-5,243
73	SHIPBOARD COMMUNICATIONS SHIPBOARD TACTICAL COMMUNICATIONS.....	---	56,106	---	48,561	---	-7,545
74	SHIP COMMUNICATIONS AUTOMATION.....	---	124,288	---	124,288	---	---
75	COMMUNICATIONS ITEMS UNDER \$5M.....	---	45,120	---	45,120	---	---
76	SUBMARINE COMMUNICATIONS SUBMARINE BROADCAST SUPPORT.....	---	31,133	---	21,133	---	-10,000
77	SUBMARINE COMMUNICATION EQUIPMENT.....	---	62,214	---	56,491	---	-5,723
78	SATELLITE COMMUNICATIONS SATELLITE COMMUNICATIONS SYSTEMS.....	---	47,421	---	47,421	---	---
79	NAVY MULTIBAND TERMINAL (NMT).....	---	64,652	---	55,342	---	-9,210
80	SHORE COMMUNICATIONS JCS COMMUNICATIONS EQUIPMENT.....	---	4,398	---	4,398	---	---
81	CRYPTOGRAPHIC EQUIPMENT INFO SYSTEMS SECURITY PROGRAM (ISSP).....	---	157,551	---	157,551	---	---
82	MIO INTEL EXPLOITATION TEAM.....	---	985	---	985	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
83	CRYPTOLOGIC EQUIPMENT CRYPTOLOGIC COMMUNICATIONS EQUIP.....	---	15,906	---	14,845	---	-1,061
90	OTHER ELECTRONIC SUPPORT COAST GUARD EQUIPMENT.....	---	70,689	---	59,089	---	-11,620
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.....	---	3,323,695	---	3,206,542		-117,153
	AVIATION SUPPORT EQUIPMENT SONOBUOYS SONOBUOYS - ALL TYPES.....	---	237,639	---	206,614	---	-31,025
92	AIRCRAFT SUPPORT EQUIPMENT MINOTAUR.....	---	5,077	---	5,077	---	---
93	WEAPONS RANGE SUPPORT EQUIPMENT.....	---	83,969	---	83,969	---	---
94	AIRCRAFT SUPPORT EQUIPMENT.....	---	187,758	---	186,438	---	-1,320
95	ADVANCED ARRESTING GEAR (AAG).....	---	16,059	---	16,059	---	---
96	METEOROLOGICAL EQUIPMENT.....	---	15,192	---	15,192	---	---
97	LEGACY AIRBORNE MINE COUNTERMEASURES.....	---	6,674	---	6,674	---	---
99	COMMON CONTROL SYSTEM.....	---	1,189	---	1,189	---	---
100	AVIATION SUPPORT EQUIPMENT.....	---	58,873	---	47,174	---	-11,699
101	UMCS-UNMAN CARRIER AVIATION (UCA) MISSION CONTROL.....	---	60,937	---	50,970	---	-9,967
102	TOTAL, AVIATION SUPPORT EQUIPMENT.....	---	673,367	---	619,356		-54,011
	ORDNANCE SUPPORT EQUIPMENT SHIP GUN SYSTEM EQUIPMENT SHIP GUN SYSTEMS EQUIPMENT.....	---	5,540	---	5,540	---	---
103	SHIP MISSILE SYSTEMS EQUIPMENT HARPOON SUPPORT EQUIPMENT.....	---	208	---	---	---	-208
104	SHIP MISSILE SUPPORT EQUIPMENT.....	---	262,077	---	250,356	---	-11,721
105	TOMAHAWK SUPPORT EQUIPMENT.....	---	84,087	---	77,370	---	-6,717
106	F8H SUPPORT EQUIPMENT STRATEGIC MISSILE SYSTEMS EQUIP.....	---	258,910	---	248,445	---	-10,465
107	ASW SUPPORT EQUIPMENT SSN COMBAT CONTROL SYSTEMS.....	---	173,770	---	162,167	---	-11,603
108	ASW SUPPORT EQUIPMENT.....	---	26,584	---	23,511	---	-3,073
109	OTHER ORDNANCE SUPPORT EQUIPMENT EXPLOSIVE ORDNANCE DISPOSAL EQUIP.....	---	7,470	---	7,470	---	---
110	ITEMS LESS THAN \$5 MILLION.....	---	6,356	---	6,356	---	---
111	OTHER EXPENDABLE ORDNANCE ANTI-SHIP MISSILE DECOY SYSTEM.....	---	86,356	---	53,685	---	-32,671
112	SUBMARINE TRAINING DEVICE MODS.....	---	69,240	---	69,240	---	---
113							

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
114 SURFACE TRAINING EQUIPMENT.....	---	192,245	---	168,730	---	-23,515
TOTAL, ORDNANCE SUPPORT EQUIPMENT.....	---	1,172,843	---	1,072,870	---	-99,973
CIVIL ENGINEERING SUPPORT EQUIPMENT						
115 PASSENGER CARRYING VEHICLES.....	---	6,123	---	6,123	---	---
116 GENERAL PURPOSE TRUCKS.....	---	2,693	---	---	---	-2,693
117 CONSTRUCTION & MAINTENANCE EQUIP.....	---	47,301	---	42,510	---	-4,791
118 FIRE FIGHTING EQUIPMENT.....	---	10,352	---	---	---	-10,352
119 TACTICAL VEHICLES.....	---	31,475	---	31,475	---	---
121 POLLUTION CONTROL EQUIPMENT.....	---	2,630	---	2,630	---	---
122 ITEMS UNDER \$5 MILLION.....	---	47,972	---	47,972	---	---
123 PHYSICAL SECURITY VEHICLES.....	---	1,171	---	1,171	---	---
TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT.....	---	149,717	---	131,881	---	-17,836
SUPPLY SUPPORT EQUIPMENT						
124 SUPPLY EQUIPMENT.....	---	19,693	---	19,693	---	---
125 FIRST DESTINATION TRANSPORTATION.....	---	4,956	---	4,956	---	---
126 SPECIAL PURPOSE SUPPLY SYSTEMS.....	---	668,639	---	668,639	---	---
TOTAL, SUPPLY SUPPORT EQUIPMENT.....	---	693,288	---	693,288	---	---
PERSONNEL AND COMMAND SUPPORT EQUIPMENT						
127 TRAINING DEVICES						
TRAINING SUPPORT EQUIPMENT.....	---	4,026	---	4,026	---	---
128 TRAINING AND EDUCATION EQUIPMENT.....	---	73,454	---	66,376	---	-7,078
COMMAND SUPPORT EQUIPMENT						
129 COMMAND SUPPORT EQUIPMENT.....	---	32,390	---	24,390	---	-8,000
130 MEDICAL SUPPORT EQUIPMENT.....	---	974	---	7,974	---	+7,000
132 NAVAL MIP SUPPORT EQUIPMENT.....	---	5,606	---	4,106	---	-1,500
133 OPERATING FORCES SUPPORT EQUIPMENT.....	---	16,024	---	16,024	---	---
134 C4ISR EQUIPMENT.....	---	6,697	---	6,697	---	---
135 ENVIRONMENTAL SUPPORT EQUIPMENT.....	---	27,503	---	27,503	---	---
136 PHYSICAL SECURITY EQUIPMENT.....	---	138,281	---	136,693	---	-1,588
137 ENTERPRISE INFORMATION TECHNOLOGY.....	---	42,680	---	26,680	---	-16,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT		COMMITTEE RECOMMENDED QTY AMOUNT		CHANGE FROM REQUEST QTY AMOUNT
140	NEXT GENERATION ENTERPRISE SERVICE.....	---	184,443	---	184,443	---
141	CYBERSPACE ACTIVITIES.....	---	16,523	---	13,919	---
	TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT..	---	548,601	---	518,831	---
142	SPARES AND REPAIR PARTS.....	---	374,195	---	357,893	---
	CLASSIFIED PROGRAMS.....	---	18,446	---	18,446	---
	TOTAL, OTHER PROCUREMENT, NAVY.....	---	10,948,518	---	9,986,796	---

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
<b>1 SURFACE POWER EQUIPMENT</b>	<b>11,738</b>	<b>10,661</b>	<b>-1,077</b>
Gas turbine digital fuel control kits unit cost growth		-1,077	
<b>2 SURFACE COMBATANT HM&amp;E</b>	<b>58,497</b>	<b>54,628</b>	<b>-3,869</b>
HM&E condition system unjustified growth		-3,687	
Twister rudder installation early to need		-182	
<b>4 SUB PERISCOPES AND IMAGING SUPPORT EQUIPMENT</b>	<b>204,806</b>	<b>190,954</b>	<b>-13,852</b>
Imaging ISIS technical insertion kits unit cost growth		-1,526	
AN/BLQ-10B technical insertion kits excess growth		-12,326	
<b>5 DDG MOD</b>	<b>547,569</b>	<b>512,155</b>	<b>-35,414</b>
GEDMS equipment installation excess growth		-1,334	
GEDMS equipment flight IIA installation excess growth		-3,181	
MCS/DCS equipment flight II/IIA installation excess growth		-10,126	
IBNS equipment installation excess growth		-3,061	
AWS equipment installation excess growth		-11,489	
Multi-mission SIGPRO equipment installation excess growth		-1,793	
MC/DIAS equipment installation excess growth		-2,340	
Moriah wind system equipment installation excess growth		-1,255	
IVCS equipment installation excess growth		-3,335	
Program increase - mobile seamanship and navigation trainer		2,500	
<b>8 LHA/LHD MIDLIFE</b>	<b>78,265</b>	<b>66,512</b>	<b>-11,753</b>
Propulsion and auxiliary control system kits early to need		-8,490	
SCS-GOV kits early to need		-3,263	
<b>9 POLLUTION CONTROL EQUIPMENT</b>	<b>23,035</b>	<b>20,222</b>	<b>-2,813</b>
OPA improvements unjustified growth		-2,813	
<b>12 LCS CLASS SUPPORT EQUIPMENT</b>	<b>3,976</b>	<b>7,976</b>	<b>4,000</b>
Program increase - water purification systems		4,000	
<b>14 LPD CLASS SUPPORT EQUIPMENT</b>	<b>50,475</b>	<b>45,475</b>	<b>-5,000</b>
LPD-19 delays		-5,000	
<b>15 DDG-1000 SUPPORT EQUIPMENT</b>	<b>42,279</b>	<b>31,659</b>	<b>-10,620</b>
Diminishing manufacturing sources and material shortages unjustified growth		-3,220	
DDG-1000 surface strike unjustified request		-7,400	
<b>19 LCAC</b>	<b>9,366</b>	<b>6,758</b>	<b>-2,608</b>
LCAC systems upgrade unit cost growth		-623	
Cold weather kits unit cost growth		-1,985	
<b>24 SHIP MAINTENANCE, REPAIR AND MODERNIZATION</b>	<b>1,260,721</b>	<b>815,945</b>	<b>-444,776</b>
Early to need		-444,776	

P-1	Budget Request	Committee Recommended	Change from Request
<b>26 REACTOR COMPONENTS</b>	<b>415,404</b>	<b>401,219</b>	<b>-14,185</b>
Unit cost growths of multiple components		-11,559	
Field change procurement unjustified request		-2,626	
<b>28 STANDARD BOATS</b>	<b>52,371</b>	<b>46,451</b>	<b>-5,920</b>
EDO RIBs unit cost growth		-1,248	
40PB prior year carryover		-4,672	
<b>29 OPERATING FORCES IPE</b>	<b>233,667</b>	<b>218,112</b>	<b>-15,555</b>
CNC shaft lathe contract delays		-15,555	
<b>30 LCS COMMON MISSION MODULES EQUIPMENT</b>	<b>39,714</b>	<b>36,323</b>	<b>-3,391</b>
MPCE hardware contract award delays		-1,732	
MPCE tech refresh contract award delays		-1,659	
<b>31 LCS MCM MISSION MODULES</b>	<b>218,822</b>	<b>187,608</b>	<b>-31,214</b>
Minesweeping payload delivery system early to need		-4,686	
Knifefish unit cost growth		-1,789	
Remote minehunting module excess to need		-24,739	
<b>32 LCS ASW MISSION MODULES</b>	<b>61,759</b>	<b>55,703</b>	<b>-6,056</b>
Multi-function towed array previously funded		-3,150	
ASW support equipment previously funded		-2,906	
<b>34 LCS IN-SERVICE MODERNIZATION</b>	<b>121,848</b>	<b>128,848</b>	<b>7,000</b>
Program increase - continuation of the condition-based maintenance modernization of combat and communication systems including integration of additional equipment		7,000	
<b>35 SMALL &amp; MEDIUM UUV</b>	<b>67,709</b>	<b>38,135</b>	<b>-29,574</b>
Knifefish early to need		-29,574	
<b>39 SSN ACOUSTICS EQUIPMENT</b>	<b>374,737</b>	<b>372,822</b>	<b>-1,915</b>
Low cost conformal array kits installation excess growth		-1,915	
<b>45 AN/SLQ-32</b>	<b>387,195</b>	<b>353,961</b>	<b>-33,234</b>
Block 2 electronic support system tech refresh excess growth		-2,677	
Block 3 kit early to need		-30,557	
<b>46 SHIPBOARD IW EXPLOIT</b>	<b>235,744</b>	<b>227,337</b>	<b>-8,407</b>
ICADS unit cost growth		-1,206	
SSEE increment F(V) 7/8 ECP blade kits early to need		-4,672	
SSEE installation excess growth		-2,529	
<b>50 ATDLS</b>	<b>103,835</b>	<b>98,022</b>	<b>-5,813</b>
ATDLS excess support costs		-5,813	
<b>57 ASHORE ATC EQUIPMENT</b>	<b>83,475</b>	<b>82,970</b>	<b>-505</b>
DASR tech refresh upgrade III early to need		-505	

P-1	Budget Request	Committee Recommended	Change from Request
<b>58 AFLOAT ATC EQUIPMENT</b>	<b>65,113</b>	<b>54,652</b>	<b>-10,461</b>
ACLS mod kits installation cost growth		-1,517	
AN/SPN-46 Block IV excess support costs		-2,976	
AN/SPN-46 Block IV excess installation costs		-1,345	
AN/SPN-35 Block I contract award delays		-4,623	
<b>60 JOINT PRECISION APPROACH AND LANDING SYSTEM</b>	<b>100,751</b>	<b>94,929</b>	<b>-5,822</b>
Support costs previously funded		-5,822	
<b>69 NETWORK TACTICAL COMMON DATA LINK</b>	<b>4,150</b>	<b>3,556</b>	<b>-594</b>
CDLS tech refresh procurement unit cost growth		-594	
<b>72 ITEMS LESS THAN \$5 MILLION</b>	<b>159,815</b>	<b>154,572</b>	<b>-5,243</b>
SPS-73 radar excess support costs		-1,523	
SPS-73 installation previously funded		-3,720	
<b>73 SHIPBOARD TACTICAL COMMUNICATIONS</b>	<b>56,106</b>	<b>48,561</b>	<b>-7,545</b>
DMR IW and MUOS systems prior year carryover		-5,182	
DMR IW and MUOS upgrade kits excess installation costs		-2,363	
<b>76 SUBMARINE BROADCAST SUPPORT</b>	<b>31,133</b>	<b>21,133</b>	<b>-10,000</b>
Previously funded item		-503	
C4I for MILCON P-205 unjustified request		-4,487	
Transmission equipment previously funded		-1,353	
Transmission equipment excess installation costs		-3,657	
<b>77 SUBMARINE COMMUNICATION EQUIPMENT</b>	<b>62,214</b>	<b>56,491</b>	<b>-5,723</b>
Submarine high data rate early to need		-5,723	
<b>79 NAVY MULTIBAND TERMINAL (NMT)</b>	<b>64,552</b>	<b>55,342</b>	<b>-9,210</b>
Afloat ship kit cost growth		-9,210	
<b>83 CRYPTOLOGIC COMMUNICATIONS EQUIP</b>	<b>15,906</b>	<b>14,845</b>	<b>-1,061</b>
Unit cost growth		-1,061	
<b>90 COAST GUARD EQUIPMENT</b>	<b>70,689</b>	<b>59,069</b>	<b>-11,620</b>
Combat system integration lifecycle engineering unjustified request		-2,197	
Athena CCD integration unjustified growth		-8,259	
C2P contract award delays		-1,164	
<b>92 SONOBUOYS - ALL TYPES</b>	<b>237,639</b>	<b>206,614</b>	<b>-31,025</b>
AN/SSQ-125 (multi-static coherent source) contract award delay		-31,025	
<b>95 AIRCRAFT SUPPORT EQUIPMENT</b>	<b>187,758</b>	<b>186,438</b>	<b>-1,320</b>
MHU-126/202 TRLR replacement contract award delays		-1,637	
Air launch and recovery equipment prior year carryover		-5,452	
ADMARS block upgrade NRE previously funded		-4,231	
Program increase - COTS-based advanced skills management for legacy systems upgrades		10,000	

P-1	Budget Request	Committee Recommended	Change from Request
<b>101 AVIATION SUPPORT EQUIPMENT</b>	<b>58,873</b>	<b>47,174</b>	<b>-11,699</b>
Survival communications devices unjustified request		-11,699	
<b>102 UMCS-UNMAN CARRIER AVIATION (UCA) MISSION CON'</b>	<b>60,937</b>	<b>50,970</b>	<b>-9,967</b>
ARC-210 radio communication system excess to need		-3,073	
MUOS capable communication system excess to need		-3,019	
MUOS capable communication system unit cost growth		-2,038	
Ship change document excess growth		-1,837	
<b>104 HARPOON SUPPORT EQUIPMENT</b>	<b>208</b>	<b>0</b>	<b>-208</b>
Unjustified request		-208	
<b>105 SHIP MISSILE SUPPORT EQUIPMENT</b>	<b>262,077</b>	<b>250,356</b>	<b>-11,721</b>
MK57 mod 12-15 modernization previously funded		-1,202	
SPY radar enhancements unjustified growth		-4,104	
SPY radar refurbishment unjustified growth		-6,138	
SSDS COTS conversion kits installation early to need		-277	
<b>106 TOMAHAWK SUPPORT EQUIPMENT</b>	<b>84,087</b>	<b>77,370</b>	<b>-6,717</b>
TTWCS product improvement previously funded		-3,112	
TPMC hardware excess growth		-3,605	
<b>107 STRATEGIC MISSILE SYSTEMS EQUIP</b>	<b>258,910</b>	<b>248,445</b>	<b>-10,465</b>
NIROP capital maintenance previously funded		-3,238	
SSI increment 16 refresh/redesign concurrency		-7,227	
<b>108 SSN COMBAT CONTROL SYSTEMS</b>	<b>173,770</b>	<b>162,167</b>	<b>-11,603</b>
Common weapon launcher upgrades excess to need		-11,603	
<b>109 ASW SUPPORT EQUIPMENT</b>	<b>26,584</b>	<b>23,511</b>	<b>-3,073</b>
High speed maneuverable surface target early to need		-3,073	
<b>112 ANTI-SHIP MISSILE DECOY SYSTEM</b>	<b>86,356</b>	<b>53,685</b>	<b>-32,671</b>
Advanced offboard/EW unjustified request		-32,671	
<b>114 SURFACE TRAINING EQUIPMENT</b>	<b>192,245</b>	<b>168,730</b>	<b>-23,515</b>
LCS integrated tactics trainer modernization early to need		-9,000	
SSC full mission trainers early to need		-14,515	
<b>116 GENERAL PURPOSE TRUCKS</b>	<b>2,693</b>	<b>0</b>	<b>-2,693</b>
Contract award delays		-2,693	
<b>117 CONSTRUCTION &amp; MAINTENANCE EQUIP</b>	<b>47,301</b>	<b>42,510</b>	<b>-4,791</b>
Contract award delays		-7,791	
Program increase - laser leveling systems for the Seabees		3,000	
<b>118 FIRE FIGHTING EQUIPMENT</b>	<b>10,352</b>	<b>0</b>	<b>-10,352</b>
Contract award delays		-10,352	



P-1	Budget Request	Committee Recommended	Change from Request
<b>128 TRAINING AND EDUCATION EQUIPMENT</b>	<b>73,454</b>	<b>66,376</b>	<b>-7,078</b>
West coast network consolidation unjustified request		-6,167	
Arena scoreboard unjustified request		-455	
Field house scoreboard unjustified request		-456	
<b>129 COMMAND SUPPORT EQUIPMENT</b>	<b>32,390</b>	<b>24,390</b>	<b>-8,000</b>
MUOS early to need		-8,000	
<b>130 MEDICAL SUPPORT EQUIPMENT</b>	<b>974</b>	<b>7,974</b>	<b>7,000</b>
Program increase - expeditionary medical facilities		7,000	
<b>132 NAVAL MIP SUPPORT EQUIPMENT</b>	<b>5,606</b>	<b>4,106</b>	<b>-1,500</b>
CR upgrade tools		-1,000	
NAVAL MIP support equipment insufficient budget justification		-500	
<b>136 PHYSICAL SECURITY EQUIPMENT</b>	<b>138,281</b>	<b>136,693</b>	<b>-1,588</b>
Navy non-lethal effects excess to need		-1,588	
<b>137 ENTERPRISE INFORMATION TECHNOLOGY</b>	<b>42,680</b>	<b>26,680</b>	<b>-16,000</b>
NGEN-R transition excess growth		-16,000	
<b>141 CYBERSPACE ACTIVITIES</b>	<b>16,523</b>	<b>13,919</b>	<b>-2,604</b>
Deployable mission support systems kits excess cost growth		-2,604	
<b>142 SPARES AND REPAIR PARTS</b>	<b>374,195</b>	<b>357,893</b>	<b>-16,302</b>
Excess growth		-16,302	

## PRIVATE CONTRACTED SHIP MAINTENANCE

The Committee is disappointed that the Department of the Navy did not analyze the results of its private contracted ship maintenance pilot program before requesting an additional \$1,260,721,000 for the continuation of the program. The Committee also notes that the quarterly updates do not include viable metrics to determine whether the program is successful and should be continued. Therefore, the Committee recommendation includes \$815,945,000 for the pilot program.

The funding provided in Other Procurement, Navy line 24 Ship Maintenance, Repair and Modernization shall only be for such activities executed in the United States and is hereby designated a congressional special interest item. The Committee directs the Secretary of the Navy to provide the congressional defense committees the following in relation to the pilot—

1. An execution plan for the funding in Other Procurement, Navy line 24, Ship Maintenance, Repair and Modernization. This shall be submitted to the congressional defense committees prior to the execution of funding and shall include the following data points for each ship included in the pilot program:

- a. Ship class, hull number and name of each ship;
- b. Type of availability;
- c. Location of the work;
- d. Execution plan start date;
- e. Execution plan end date; and
- f. Execution plan funded amount (in thousands).

2. Not later than 15 days after the end of each fiscal quarter, an updated plan to the first report showing:

- a. Ship class, hull number and name of each ship;
- b. Type of availability;
- c. Location of the work;
- d. Actual or current estimate of start date;
- e. Actual or current estimate of end date;
- f. Actual funded amount and estimate to complete (in thousands); and

the quarterly update shall also include an execution review of the funding in line 1B4B Ship Depot Maintenance in Operation and Maintenance, Navy.

Additionally, the Committee directs the Secretary of the Navy to establish performance metrics for the program, to measure against the metrics quarterly, and to submit a written analysis to the congressional defense committees not later than 45 days after each quarterly performance evaluation.

## EXPLOSIVE ORDNANCE DISPOSAL EQUIPMENT

The Committee is concerned with the potential lack of availability of standard, qualified explosive ordnance disposal (EOD) equipment for Navy divers.

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 on the standard equipment provided to EOD divers, the age of such equipment, the process through which EOD diving teams acquire new equipment, and

whether additional resources are required to provide more up-to-date and technologically advanced equipment.

#### PROCUREMENT, MARINE CORPS

Fiscal year 2020 appropriation .....	\$2,898,422,000
Fiscal year 2021 budget request .....	2,903,976,000
Committee recommendation .....	2,693,354,000
Change from budget request .....	− 210,622,000

The Committee recommends an appropriation of \$2,693,354,000 for Procurement, Marine Corps which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
-----							
	PROCUREMENT, MARINE CORPS						
	WEAPONS AND COMBAT VEHICLES						
	TRACKED COMBAT VEHICLES						
1	AAV7A1 PIP.....	---	87,476	---	87,476	---	---
2	AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES.....	72	478,874	72	456,328	---	-22,546
3	LAV PIP.....	---	41,988	---	37,403	---	-4,585
	ARTILLERY AND OTHER WEAPONS						
4	155MM LIGHTWEIGHT TOWED HOWITZER.....	---	59	---	59	---	---
5	ARTILLERY WEAPONS SYSTEM.....	---	174,687	---	112,187	---	-62,500
6	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION.....	---	24,867	---	38,306	---	+13,439
	OTHER SUPPORT						
7	MODIFICATION KITS.....	---	3,067	---	---	---	-3,067
	TOTAL, WEAPONS AND COMBAT VEHICLES.....	---	811,018	---	731,759		-79,259
	GUIDED MISSILES AND EQUIPMENT						
	GUIDED MISSILES						
8	GROUND BASED AIR DEFENSE.....	---	18,920	---	14,686	---	-4,234
9	ANTI-ARMOR MISSILE - JAVELIN.....	98	19,888	98	19,888	---	---
10	FAMILY OF ANTI-ARMOR WEAPON SYSTEMS.....	---	21,891	---	21,891	---	---
11	ANTI-ARMOR MISSILE - TOW.....	---	34,985	---	33,840	---	-1,345
12	GUIDED MLRS ROCKET (GMLRS).....	952	133,689	952	133,689	---	---
	TOTAL, GUIDED MISSILES AND EQUIPMENT.....	---	229,373	---	223,794		-5,579
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMMAND AND CONTROL SYSTEMS						
13	COMMON AVIATION COMMAND AND CONTROL SYSTEM.....	---	35,057	---	35,057	---	---
	REPAIR AND TEST EQUIPMENT						
14	REPAIR AND TEST EQUIPMENT.....	---	24,405	---	24,405	---	---
15	MODIFICATION KITS.....	---	1,006	---	1,006	---	---
	OTHER SUPPORT (TEL)						
16	COMMAND AND CONTROL						
	ITEMS UNDER \$5 MILLION (COMM & ELEC).....	---	69,725	---	69,725	---	---
17	AIR OPERATIONS C2 SYSTEMS.....	---	15,611	---	8,241	---	-7,370
	RADAR + EQUIPMENT (NON-TEL)						
19	GROUND/AIR TASK ORIENTED RADAR.....	8	284,283	8	282,073	---	-2,210
	INTELL/COMM EQUIPMENT (NON-TEL)						
20	GCSS-MC.....	---	1,587	---	1,587	---	---
21	FIRE SUPPORT SYSTEM.....	---	24,934	---	24,934	---	---
22	INTELLIGENCE SUPPORT EQUIPMENT.....	---	50,728	---	48,763	---	-1,965
24	UNMANNED AIR SYSTEMS.....	---	24,853	---	20,889	---	-3,964

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
25	DCGS-MC.....	---	38,260	---	37,510	---	-750
26	UAS PAYLOADS.....	---	5,489	---	5,489	---	---
	OTHER SUPPORT (NON-TEL)						
29	NEXT GENERATION ENTERPRISE SERVICE.....	---	78,922	---	71,724	---	-7,198
30	COMMON COMPUTER RESOURCES.....	---	35,349	---	35,349	---	---
31	COMMAND POST SYSTEMS.....	---	33,713	---	23,633	---	-10,080
32	RADIO SYSTEMS.....	---	343,250	---	277,545	---	-65,705
33	COMM SWITCHING & CONTROL SYSTEMS.....	---	40,627	---	30,892	---	-9,735
34	COMM & ELEC INFRASTRUCTURE SUPPORT.....	---	43,782	---	43,782	---	---
35	CYBERSPACE ACTIVITIES.....	---	53,896	---	43,985	---	-9,911
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT.....	---	1,205,477	---	1,086,589	---	-118,888
	SUPPORT VEHICLES						
	ADMINISTRATIVE VEHICLES						
37	COMMERCIAL CARGO VEHICLES.....	---	22,460	---	22,460	---	---
	TACTICAL VEHICLES						
38	MOTOR TRANSPORT MODIFICATIONS.....	---	10,739	---	10,739	---	---
39	JOINT LIGHT TACTICAL VEHICLE.....	752	381,675	752	350,369	---	-31,306
40	FAMILY OF TACTICAL TRAILERS.....	---	2,963	---	2,963	---	---
	TOTAL, SUPPORT VEHICLES.....	---	417,837	---	386,531	---	-31,306
	ENGINEER AND OTHER EQUIPMENT						
42	ENGINEER AND OTHER EQUIPMENT						
	ENVIRONMENTAL CONTROL EQUIP ASSORTED.....	---	385	---	385	---	---
43	TACTICAL FUEL SYSTEMS.....	---	501	---	501	---	---
44	POWER EQUIPMENT ASSORTED.....	---	23,430	---	23,430	---	---
45	AMPHIBIOUS SUPPORT EQUIPMENT.....	---	5,752	---	5,752	---	---
46	EOD SYSTEMS.....	---	20,939	---	17,349	---	-3,590
	MATERIALS HANDLING EQUIPMENT						
47	PHYSICAL SECURITY EQUIPMENT.....	---	23,063	---	23,063	---	---
	GENERAL PROPERTY						
48	FIELD MEDICAL EQUIPMENT.....	---	4,187	---	4,187	---	---
49	TRAINING DEVICES.....	---	101,765	---	101,765	---	---
50	FAMILY OF CONSTRUCTION EQUIPMENT.....	---	19,305	---	22,305	---	+3,000
51	ULTRA-LIGHT TACTICAL VEHICLE.....	---	678	---	678	---	---
	OTHER SUPPORT						
52	ITEMS LESS THAN \$5 MILLION.....	---	9,174	---	9,174	---	---
	TOTAL, ENGINEER AND OTHER EQUIPMENT.....	---	209,179	---	208,589	---	-590

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT		COMMITTEE RECOMMENDED QTY AMOUNT		CHANGE FROM REQUEST QTY AMOUNT
53	SPARES AND REPAIR PARTS.....	--- 27,295	---	27,295	---	---
	CLASSIFIED PROGRAMS.....	--- 3,797	---	3,797	---	---
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	--- ---	---	25,000	---	+25,000
		=====		=====	=====	=====
	TOTAL, PROCUREMENT, MARINE CORPS.....	--- 2,903,976	---	2,693,354	-----	-210,622
		=====		=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
<b>2 AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES</b>	<b>478,874</b>	<b>456,328</b>	<b>-22,546</b>
Surface vehicle cost prior year carryover		-7,347	
System engineering program management previously funded		-8,862	
Production support previously funded		-1,713	
Peculiar training equipment and simulators previously funded		-2,550	
ILS excess growth		-2,074	
<b>3 LAV PIP</b>	<b>41,988</b>	<b>37,403</b>	<b>-4,585</b>
Intercom unit cost growth		-4,585	
<b>5 ARTILLERY WEAPONS SYSTEM</b>	<b>174,687</b>	<b>112,187</b>	<b>-62,500</b>
Missiles excess to need		-62,500	
<b>6 WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION</b>	<b>24,867</b>	<b>38,306</b>	<b>13,439</b>
RHGPk production units previously funded and cost growth		-1,861	
Program increase - reconnaissance weapon system		5,300	
Program increase - rifle squad suppressor		10,000	
<b>7 MODIFICATION KITS</b>	<b>3,067</b>	<b>0</b>	<b>-3,067</b>
Marine Corps identified excess to need		-3,067	
<b>8 GROUND BASED AIR DEFENSE</b>	<b>18,920</b>	<b>14,686</b>	<b>-4,234</b>
Support costs previously funded		-4,234	
<b>11 ANTI-ARMOR MISSILE - TOW</b>	<b>34,985</b>	<b>33,640</b>	<b>-1,345</b>
Missile cost prior year carryover		-1,345	
<b>17 AIR OPERATIONS C2 SYSTEMS</b>	<b>15,611</b>	<b>8,241</b>	<b>-7,370</b>
CTN CAB-E antenna procurement previously funded		-4,580	
CTN CAB-E initial issue provisioning excess to need		-2,790	
<b>19 GROUND/AIR TASK ORIENTED RADAR</b>	<b>284,283</b>	<b>282,073</b>	<b>-2,210</b>
Radar decoys unjustified request		-2,210	
<b>22 INTELLIGENCE SUPPORT EQUIPMENT</b>	<b>50,728</b>	<b>48,763</b>	<b>-1,965</b>
SCI comms fielding and initial support early to need		-1,965	
<b>24 UNMANNED AIR SYSTEMS</b>	<b>24,853</b>	<b>20,889</b>	<b>-3,964</b>
Long range/long endurance unjustified request		-6,964	
Program increase - short range/short endurance VTOL		3,000	
<b>25 DCGS-MC</b>	<b>38,260</b>	<b>37,510</b>	<b>-750</b>
Software previously funded		-750	
<b>29 NEXT GENERATION ENTERPRISE SERVICE</b>	<b>78,922</b>	<b>71,724</b>	<b>-7,198</b>
Network equipment tech refresh previously funded		-7,198	

P-1	Budget Request	Committee Recommended	Change from Request
<b>31 COMMAND POST SYSTEMS</b>	<b>33,713</b>	<b>23,633</b>	<b>-10,080</b>
NOTM utility task vehicle unjustified request		-10,080	
<b>32 RADIO SYSTEMS</b>	<b>343,250</b>	<b>277,545</b>	<b>-65,705</b>
MCMP contract award delays		-20,488	
MCHH previously funded		-42,300	
Line of sight replacement radios failure to comply with congressional direction		-2,917	
<b>33 COMM SWITCHING &amp; CONTROL SYSTEMS</b>	<b>40,627</b>	<b>30,892</b>	<b>-9,735</b>
ECP network equipment excess growth		-9,735	
<b>35 CYBERSPACE ACTIVITIES</b>	<b>53,896</b>	<b>43,985</b>	<b>-9,911</b>
Robust infrastructure excess growth		-11,911	
Program increase - advanced cyber threat detection capabilities		2,000	
<b>39 JOINT LIGHT TACTICAL VEHICLE</b>	<b>381,675</b>	<b>350,369</b>	<b>-31,306</b>
Vehicles previously funded		-31,306	
<b>46 EOD SYSTEMS</b>	<b>20,939</b>	<b>17,349</b>	<b>-3,590</b>
PM acquisition support excess growth		-3,590	
<b>50 FAMILY OF CONSTRUCTION EQUIPMENT</b>	<b>19,305</b>	<b>22,305</b>	<b>3,000</b>
Program increase - laser leveling systems		3,000	
<b>PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS</b>		<b>25,000</b>	<b>25,000</b>



AUTOMATED PARTS SCREENING AND SELECTION TOOL FOR ADDITIVE  
MANUFACTURING

The automated parts screening and selection tool for additive manufacturing is an innovative advancement for the use of additive manufacturing throughout the Department of Defense. The tool will create an automated methodology for additive manufacturing parts selection in support of sustainment operations, particularly for ground combat and combat support vehicles, and will identify the best parts candidates for additive manufacturing that will have the greatest impact on readiness. As part of the development of the tool, a select group of identified parts will be additively manufactured, installed, and field tested. The Committee encourages the Secretary of the Navy to resource these innovations to improve readiness and enhance warfighter capabilities.

AIRCRAFT PROCUREMENT, AIR FORCE

Fiscal year 2020 appropriation .....	\$17,512,361,000
Fiscal year 2021 budget request .....	17,908,145,000
Committee recommendation .....	19,587,853,000
Change from budget request .....	+1,679,708,000

The Committee recommends an appropriation of \$19,587,853,000 for Aircraft Procurement, Air Force which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
AIRCRAFT PROCUREMENT, AIR FORCE							
	COMBAT AIRCRAFT						
	TACTICAL FORCES						
1	F-35.....	48	4,567,018	48	5,754,118	---	+1,187,100
2	F-35 (AP-CY).....	---	610,800	---	610,800	---	---
4	F-15EX.....	12	1,269,847	12	1,242,247	---	-27,600
5	F-15EX (AP-CY).....	---	133,500	---	133,500	---	---
	TOTAL, COMBAT AIRCRAFT.....	---	6,581,165	---	7,740,665	---	+1,159,500
	AIRLIFT AIRCRAFT/TACTICAL AIRLIFT						
7	KC-46A TANKER.....	15	2,850,151	15	2,707,380	---	-142,771
	OTHER AIRLIFT						
8	C-130J.....	---	37,131	---	227,131	---	+190,000
10	MC-130J.....	4	362,807	4	362,807	---	---
11	MC-130J (AP).....	---	39,987	---	30,000	---	-9,987
12	UH-1N REPLACEMENT.....	---	194,016	---	194,016	---	---
	TOTAL, AIRLIFT AIRCRAFT.....	---	3,484,092	---	3,521,334	---	+37,242
	OTHER AIRCRAFT						
	HELICOPTERS						
13	COMBAT RESCUE HELICOPTER.....	16	973,473	16	909,909	---	-63,564
13A	CV-22.....	---	---	---	206,220	---	+206,220
	MISSION SUPPORT AIRCRAFT						
15	CIVIL AIR PATROL A/C.....	---	2,811	---	11,200	---	+8,389
	OTHER AIRCRAFT						
16	TARGET DRONES.....	38	133,273	38	133,273	---	---
18	COMPASS CALL.....	---	161,117	---	161,117	---	---
20	MQ-9.....	---	29,409	---	---	---	-29,409
	TOTAL, OTHER AIRCRAFT.....	---	1,300,083	---	1,421,719	---	+121,636
	MODIFICATION OF INSERVICE AIRCRAFT						
	STRATEGIC AIRCRAFT						
22	B-1.....	---	3,853	---	3,853	---	---
23	B-2A.....	---	31,476	---	31,476	---	---
24	B-1B.....	---	21,808	---	21,808	---	---
25	B-52.....	---	53,949	---	28,078	---	-25,871
26	LARGE AIRCRAFT INFRARED COUNTERMEASURES.....	---	9,999	---	9,999	---	---
	TACTICAL AIRCRAFT						
27	A-10.....	---	135,793	---	135,793	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
28	E-11 BACN/HAG.....	---	33,645	---	29,645	---	-4,000
29	F-15.....	---	349,304	---	329,242	---	-20,062
30	F-16.....	---	615,760	---	637,892	---	+22,132
32	F-22A.....	---	387,905	---	387,905	---	---
33	F-35 MODIFICATIONS.....	---	322,185	---	342,185	---	+20,000
34	F-15 EPAW.....	6	31,995	6	31,995	---	---
35	INCREMENT 3.2b.....	---	5,889	---	5,889	---	---
36	KC-46A MODS.....	---	24,085	---	9,085	---	-15,000
	AIRLIFT AIRCRAFT						
37	C-5.....	---	62,108	---	62,108	---	---
38	C-17A.....	---	66,798	---	44,798	---	-22,000
40	C-32A.....	---	2,947	---	2,947	---	---
41	C-37A.....	---	12,985	---	5,985	---	-7,000
	TRAINER AIRCRAFT						
42	GLIDER MODS.....	---	977	---	977	---	---
43	T6.....	---	26,829	---	23,829	---	-2,900
44	T-1.....	---	4,465	---	4,465	---	---
45	T-38.....	---	36,806	---	36,806	---	---
	OTHER AIRCRAFT						
46	U-2 MODS.....	---	110,618	---	110,618	---	---
47	KC-10A (ATCA).....	---	117	---	117	---	---
49	VC-25A MOD.....	---	1,983	---	1,983	---	---
50	C-40.....	---	9,252	---	7,252	---	-2,000
51	C-130.....	---	5,871	---	318,580	---	+312,709
52	C130J MODS.....	---	140,032	---	140,032	---	---
53	C-135.....	---	88,250	---	88,250	---	---
55	COMPASS CALL MODS.....	---	193,389	---	168,389	---	-25,000
57	RC-135.....	---	191,332	---	191,332	---	---
58	E-3.....	---	172,141	---	135,740	---	-36,401
59	E-4.....	---	58,803	---	44,140	---	-14,663
60	E-8.....	---	11,037	---	11,037	---	---
60	AIRBORNE WARNING AND CONTROL SYSTEM.....	---	53,343	---	53,343	---	---
62	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS.....	---	1,573	---	1,573	---	---
63	H-1.....	---	4,410	---	4,410	---	---
64	H-60.....	---	44,538	---	44,538	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT	COMMITTEE RECOMMENDED QTY AMOUNT	CHANGE FROM REQUEST QTY AMOUNT
65	RQ-4 UAV MODS.....	--- 40,468	--- 2,000	--- -38,468
66	HC/MC-130 MODIFICATIONS.....	--- 20,780	--- 20,780	--- ---
67	OTHER AIRCRAFT.....	--- 100,774	--- 100,774	--- ---
68	MQ-9 MODS.....	--- 188,387	--- 155,011	--- -33,376
70	CV-22 MODS.....	--- 122,306	--- 122,306	--- ---
	TOTAL, MODIFICATION OF INSERVICE AIRCRAFT.....	--- 3,800,965	--- 3,909,055	--- +108,100
	AIRCRAFT SPARES AND REPAIR PARTS			
71	INITIAL SPARES/REPAIR PARTS.....	--- 926,683	--- 917,112	--- -9,571
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES			
73	COMMON SUPPORT EQUIPMENT			
	AIRCRAFT REPLACEMENT SUPPORT EQUIP.....	--- 132,719	--- 126,119	--- -6,600
	POST PRODUCTION SUPPORT			
74	B-2A.....	--- 1,683	--- 1,683	--- ---
75	B-28.....	--- 46,734	--- 46,734	--- ---
76	B-52.....	--- 1,034	--- 1,034	--- ---
79	E-11 BACN/HAG.....	--- 63,419	--- 63,419	--- ---
80	F-15.....	--- 2,632	--- 2,632	--- ---
81	F-16 POST PRODUCTION SUPPORT.....	--- 14,163	--- 14,163	--- ---
83	OTHER AIRCRAFT.....	--- 4,595	--- 4,595	--- ---
84	RQ-4 POST PRODUCTION CHARGES.....	--- 32,585	--- 32,585	--- ---
85	INDUSTRIAL PREPAREDNESS			
	INDUSTRIAL PREPAREDNESS.....	--- 18,215	--- 18,215	--- ---
86	WAR CONSUMABLES			
	WAR CONSUMABLES.....	--- 36,046	--- 36,046	--- ---
88	OTHER PRODUCTION CHARGES			
	OTHER PRODUCTION CHARGES.....	--- 1,439,640	--- 1,470,041	--- +36,401
89	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	--- ---	--- 233,000	--- +233,000
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	--- 1,793,465	--- 2,056,266	--- +262,801
	CLASSIFIED PROGRAMS.....	--- 21,692	--- 21,692	--- ---
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE.....	--- 17,908,145	--- 19,587,853	--- +1,679,708

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 F-35	4,567,018	5,754,118	1,187,100
Program increase - twelve aircraft		1,172,000	
Program increase - depot standup acceleration		209,000	
Miscellaneous support costs unjustified		-156,000	
Aggressor squadron support ahead of need		-37,900	
4 F-15EX	1,269,847	1,242,247	-27,600
Airframe excess to need		-27,600	
7 KC-46	2,850,151	2,707,380	-142,771
ECO excess to need		-142,771	
8 C-130J	37,131	227,131	190,000
Program increase - two aircraft for the Air Force Reserve		190,000	
11 MC-130J (AP)	39,987	30,000	-9,987
Excess to need		-9,987	
13 COMBAT RESCUE HELICOPTER	973,473	909,909	-63,564
Modernization/upgrades ahead of need		-63,564	
13A CV-22	0	206,220	206,220
Program increase - two aircraft		206,220	
15 CIVIL AIR PATROL	2,811	11,200	8,389
Program increase		8,389	
20 MQ-9	29,409	0	-29,409
Production line shutdown ahead of need		-29,409	
25 B-52	53,949	28,078	-25,871
Bomber TDL install funds ahead of need		-2,000	
GPS-IU funding ahead of need		-23,871	
28 E-11 BACN/HAG	33,645	29,645	-4,000
Survivability kits - one excess to need		-4,000	
29 F-15	349,304	329,242	-20,062
APG-82 common configuration excess to need		-12,012	
MUOS ahead of need		-8,050	
30 F-16	615,760	637,892	22,132
Comm suite upgrade excess to need		-43,000	
AIFF Mode 5 - Air Force requested transfer to RDTE, AF line 187		-9,868	
Program increase - AESA radars for Air National Guard aircraft		75,000	
33 F-35 MODIFICATIONS	322,185	342,185	20,000
Program increase - reliability and maintainability improvement program		20,000	

P-1	Budget Request	Committee Recommended	Change from Request
36 KC-46 MODS	24,085	9,085	-15,000
Excess to need		-15,000	
38 C-17	66,798	44,798	-22,000
BLOS ahead of need		-22,000	
41 C-37A	12,985	5,985	-7,000
Wideband SATCOM install funding ahead of need		-7,000	
43 T-6	26,829	23,929	-2,900
Other government costs unjustified		-2,900	
50 C-40	9,252	7,252	-2,000
Wideband SATCOM install funding ahead of need		-2,000	
51 C-130	5,871	318,580	312,709
Program increase - engine enhancement program		79,000	
Program increase - propeller upgrade		233,000	
Program increase - modular airborne firefighting system		4,600	
AMP 1 excess to need		-3,841	
AMP 2 ahead of need		-50	
55 COMPASS CALL MODS	193,389	168,389	-25,000
Mission crew simulator ahead of need		-25,000	
58 E-3	172,141	135,740	-36,401
NATO AWACS - transfer to line 88		-36,401	
59 E-4	58,803	44,140	-14,663
Survivable SHF ahead of need		-14,663	
65 RQ-4 MODS	40,468	2,000	-38,468
Mod funding unjustified		-29,468	
Communication/interoperability enhancements		-9,000	
68 MQ-9 MODS	188,387	155,011	-33,376
GCS block 30 A and B kits unjustified		-3,376	
MQ-9 upgrade other government costs growth		-30,000	
71 INITIAL SPARES/REPAIR PARTS	926,683	917,112	-9,571
F-15 EPAWSS spares excess to need		-6,036	
F-16 digital RWR carryover		-3,535	
73 AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	132,719	126,119	-6,600
BAT milestone C delay		-6,600	
88 OTHER PRODUCTION CHARGES	1,439,640	1,476,041	36,401
NATO AWACS - transfer from line 58		36,401	
PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS		233,000	233,000

## OPEN SKIES TREATY AND OC-135 RECAPITALIZATION

The Department of Defense Appropriations Act, 2019 included \$146,374,000 to begin the recapitalization of the two OC-135 aircraft that perform United States flights under the Open Skies Treaty. These funds were approved despite the Committee's concerns that the Air Force was unready to execute the program; congressional approval was based on the insistence by the Office of the Secretary of Defense that the funds were urgently required and that the Air Force would be able to execute the acquisition within the year of appropriation. The Committee's concerns about execution proved well-founded and as of May 2020 little of the funding had been spent; however, the Air Force finally appeared positioned to award a contract for the program within the calendar year. On May 21, the Administration announced its decision to withdraw from the Open Skies Treaty and submitted the notice of intent under the Treaty on the following day. This abrupt announcement violated section 1234 of the National Defense Authorization Act for Fiscal Year 2020, which requires the Secretaries of Defense and State to notify Congress 120 days prior to any such action. The Committee views this action as further confirmation of the Department of Defense's increasing disregard for the law and the Congress. The Committee opposes the Administration's decision to withdraw from the Open Skies Treaty and is concerned with the Administration's apparent contempt for arms control measures. The Committee further notes that the Department has signaled its intent to reprogram the funding appropriated for the OC-135 recapitalization effort for other purposes. The Committee will not approve any such reprogramming and the recommendation rescinds \$158,448,000 of fiscal year 2019 and 2020 funding for OC-135 recapitalization.

## BATTLEFIELD AIRBORNE COMMUNICATION NODE

The Department of Defense Appropriations Act, 2019 included \$100,000,000 to procure an additional RQ-4 aircraft modified for the Battlefield Airborne Communication Node (BACN) mission. To date that funding remains unexecuted, and the Air Force has proposed in its fiscal year 2021 budget submission to divest the RQ-4 Block 20 BACN aircraft and procure manned E-11 aircraft to replace them. The Committee supports the use of the fiscal year 2019 funding to execute the Air Force's new plan for BACN and to expedite the replacement of the January 2020 E-11 operational aircraft loss.

## LC-130H AIRCRAFT

The Air National Guard operates a unique fleet of ski-equipped LC-130H aircraft capable of operating in the arctic and Antarctic regions. In addition to supporting vital scientific research, the capabilities of these aircraft have increasing relevance due to growing national interests in the arctic region. As the Department of Defense's 2019 report on arctic strategy notes, the arctic region is gaining importance through the combined effects of climate change and geopolitical competition for territorial claims, waterways and underlying resources, with attendant implications for homeland se-

curity. The report identifies the LC-130H wing as the only unit of its kind capable of operating from ice locations in the arctic. While the Committee notes that these aircraft have benefited from recent propulsion upgrades, it is concerned that these aircraft are becoming degraded by age and operational use.

Therefore, the Committee directs the Secretary of the Air Force to submit a report to the congressional defense committees on the status of these LC-130H aircraft not later than 90 days after the enactment of this Act. The report shall include information on the age and estimated service life of the aircraft, trends in operating costs and mission capable rate, known sustainment and safety problems, and the benefits of both completed and planned aircraft modifications. Finally, the report shall include an estimate of the cost of replacing these aircraft with C-130Js, including the cost of modifications required to support the LC-130 wing's unique mission.

#### MQ-NEXT

The Air Force's fiscal year 2021 budget request proposes to terminate production of MQ-9 aircraft, citing an excess of aircraft compared to projected operational requirements. The Committee does not accept this proposal and recommends additional funding for 16 MQ-9 aircraft. The Committee is concerned that the Air Force has reached this decision without adequate planning for a follow-on system. The Committee is aware that the Air Force recently released a request for information (RFI) to industry for improved solutions for future unmanned aerial systems with both intelligence, surveillance, and reconnaissance and strike capabilities, including a potential follow-on to the MQ-9. However, this RFI assumes that initial operating capability would not be achieved until 2030, and the Air Force budget request includes only a small amount of funding for concept exploration.

The Committee therefore directs the Secretary of the Air Force to submit a report to the congressional defense committees not later than the submission of the fiscal year 2022 budget request on an MQ-9 follow-on program to be designated as MQ-Next. The goal of the MQ-Next program should be to accelerate the development and fielding of a next-generation medium altitude unmanned aerial system. The report shall detail the desired features of such a system, the cost and timeline required to achieve development and fielding, proposed measures to ensure full and open competition, and an explanation of how such a system would fulfill the goals of the National Defense Strategy.

#### F-15EX

The Committee continues to support the F-15EX program, which was recently affirmed by the Air Force to be the most expedient and cost-effective solution to addressing urgent availability problems with the F-15C/D fleet and improving fighter force capacity. The Committee notes that the Air Force acquisition strategy includes the provision of F-15EX engines as government furnished equipment. The Committee understands that the Air Force will procure engines for the initial stage of the program, which is being executed under middle tier acquisition authorities for rapid field-



ing, using a sole-source exception. The Committee is aware that the Air Force recently issued a sources sought notice to determine market capacity to deliver a fully integrated propulsion system for subsequent lots of F-15EX aircraft. The Committee encourages the Secretary of the Air Force to use full and open competition methods, including transparent selection criteria and due consideration of life-cycle costs, consistent with the goals of the F-15EX program.

#### MISSILE PROCUREMENT, AIR FORCE

Fiscal year 2020 appropriation .....	\$2,575,890,000
Fiscal year 2021 budget request .....	2,396,417,000
Committee recommendation .....	2,249,157,000
Change from budget request .....	– 147,260,000

The Committee recommends an appropriation of \$2,249,157,000 for Missile Procurement, Air Force which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT		COMMITTEE RECOMMENDED QTY AMOUNT		CHANGE FROM REQUEST QTY AMOUNT	
-----							
	MISSILE PROCUREMENT, AIR FORCE						
	BALLISTIC MISSILES						
1	MISSILE REPLACEMENT EQUIPMENT - BALLISTIC						
	MISSILE REPLACEMENT EQ-BALLISTIC.....	---	75,012	---	73,474	---	-1,538
	OTHER MISSILES						
	TACTICAL						
2	REPLAC EQUIP & WAR CONSUMABLES.....	---	4,495	---	4,495	---	---
4	JOINT AIR-SURFACE STANDOFF MISSILE (JASSM).....	376	475,949	376	470,009	---	-5,940
5	LONG RANGE ANTI-SHIP MISSILE (LRASHO).....	5	19,800	5	---	---	-19,800
6	SIDEWINDER (AIM-9X).....	331	164,769	331	151,269	---	-13,500
7	ANRAAM.....	414	453,223	414	384,223	---	-69,000
8	PREDATOR HELLFIRE MISSILE.....	548	40,129	548	40,129	---	---
9	SMALL DIAMETER BOMB.....	1,179	45,475	1,179	45,475	---	---
10	SMALL DIAMETER BOMB II.....	1,133	273,272	1,133	237,932	---	-35,340
11	INDUSTRIAL FACILITIES						
	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION.....	---	814	---	814	---	---
	-----						
	TOTAL, OTHER MISSILES.....	---	1,477,926	---	1,334,346	---	-143,580
	MODIFICATION OF INSERVICE MISSILES						
	CLASS IV						
13	ICBM FUZE MOD.....	20	3,458	20	---	---	-3,458
14	ICBM FUZE MOD.....	---	43,450	---	43,450	---	---
15	MM III MODIFICATIONS.....	---	85,310	---	57,453	---	-27,857
16	AGM-65D MAVERICK.....	---	298	---	298	---	---
17	AIR LAUNCH CRUISE MISSILE.....	---	52,924	---	52,924	---	---
	-----						
	TOTAL, MODIFICATION OF INSERVICE MISSILES.....	---	185,440	---	154,125	---	-31,315

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT	COMMITTEE RECOMMENDED QTY AMOUNT	CHANGE FROM REQUEST QTY AMOUNT
	SPARES AND REPAIR PARTS			
18	INITIAL SPARES/REPAIR PARTS.....	--- 9,402	--- 13,575	--- +4,173
19	REPLEN SPARES/REPAIR PARTS.....	--- 84,671	--- 84,671	--- ---
	TOTAL, SPARES AND REPAIR PARTS.....	--- 94,073	--- 98,246	--- +4,173
	SPECIAL PROGRAMS			
23	SPECIAL UPDATE PROGRAMS.....	--- 23,501	--- 23,501	--- ---
	UPROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	--- ---	--- 25,000	--- +25,000
	CLASSIFIED PROGRAMS.....	--- 540,465	--- 540,465	--- ---
	TOTAL, SPECIAL PROGRAMS.....	--- 563,966	--- 588,966	--- +25,000
	TOTAL, MISSILE PROCUREMENT, AIR FORCE.....	--- 2,396,417	--- 2,249,157	--- +147,260

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
1 MISSILE REPLACEMENT EQUIPMENT-BALLISTIC PIGA/G6B4 ahead of need	75,012	73,474 -1,538	-1,538
4 JASSM AGM-158D pricing adjustment	475,949	470,009 -5,940	-5,940
5 LRASM Defer Air Force LRASM production	19,800	0 -19,800	-19,800
6 SIDEWINDER (AIM-9X) Block II unit cost growth	164,769	151,269 -13,500	-13,500
7 AMRAAM Contract delays	453,223	384,223 -69,000	-69,000
10 SMALL DIAMETER BOMB II Deliveries behind schedule	273,272	237,932 -35,340	-35,340
13 ICBM FUZE MOD Recurring procurement excess to need	3,458	0 -3,458	-3,458
15 MINUTEMAN III MODIFICATIONS LCCBU group B ahead of need Initial spares - Air Force requested transfer to line 18	85,310	57,453 -23,684 -4,173	-27,857
18 MISSILE SPARES / REPAIR PARTS Initial spares - Air Force requested transfer from line 15	9,402	13,575 4,173	4,173
PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS		25,000	25,000

## PROCUREMENT OF AMMUNITION, AIR FORCE

Fiscal year 2020 appropriation .....	\$1,625,661,000
Fiscal year 2021 budget request .....	596,338,000
Committee recommendation .....	609,338,000
Change from budget request .....	+13,000,000

The Committee recommends an appropriation of \$609,338,000 for Procurement of Ammunition, Air Force which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT	COMMITTEE RECOMMENDED QTY AMOUNT	CHANGE FROM REQUEST QTY AMOUNT
-----				
PROCUREMENT OF AMMUNITION, AIR FORCE				
1	PROCUREMENT OF AMMO, AIR FORCE			
	ROCKETS.....	--- 14,962	--- 14,962	--- ---
2	CARTRIDGES.....	--- 123,365	--- 123,365	--- ---
	BOMBS			
3	PRACTICE BOMBS.....	--- 59,725	--- 59,725	--- ---
6	JOINT DIRECT ATTACK MUNITION.....	10,000 206,989	10,000 221,989	--- +15,000
7	B61.....	--- 35,634	--- 35,634	--- ---
	FLARE, IR MJU-7B			
9	CAD/PAD.....	--- 47,830	--- 47,830	--- ---
10	EXPLOSIVE ORDNANCE DISPOSAL (EOD).....	--- 6,232	--- 6,232	--- ---
11	SPARES AND REPAIR PARTS.....	--- 542	--- 542	--- ---
12	MODIFICATIONS.....	--- 1,310	--- 1,310	--- ---
13	ITEMS LESS THAN \$5,000,000.....	--- 4,753	--- 4,753	--- ---
	FLARES/FUZES			
15	FLARES.....	--- 40,088	--- 40,088	--- ---
16	FUZES.....	--- 40,983	--- 13,983	--- -27,000
	TOTAL, PROCUREMENT OF AMMO, AIR FORCE.....	--- 582,413	--- 570,413	--- -12,000
WEAPONS				
17	SMALL ARMS.....	--- 13,925	--- 13,925	--- ---
	PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS.....	--- ---	--- 25,000	--- +25,000
	TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE.....	--- 596,338	--- 609,338	--- +13,000
		=====	=====	=====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
6 JOINT DIRECT ATTACK MUNITION	206,989	221,989	15,000
Program increase - JDAM laser kits		15,000	
16 FUZES	40,983	13,983	-27,000
C-HOBS ahead of need		-27,000	
PROGRAM INCREASE - COVID RECOVERY FOR SECOND, THIRD, AND FOURTH TIER SUPPLIERS		25,000	25,000

## OTHER PROCUREMENT, AIR FORCE

Fiscal year 2020 appropriation .....	\$21,410,021,000
Fiscal year 2021 budget request .....	23,695,720,000
Committee recommendation .....	23,603,470,000
Change from budget request .....	- 92,250,000

The Committee recommends an appropriation of \$23,603,470,000 for Other Procurement, Air Force which will provide the following program in fiscal year 2021:



(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
OTHER PROCUREMENT, AIR FORCE							
VEHICULAR EQUIPMENT							
1	PASSENGER CARRYING VEHICLES	---	9,016	---	9,016	---	---
	PASSENGER CARRYING VEHICLE.....	---		---		---	
2	CARGO + UTILITY VEHICLES	---	15,058	---	15,058	---	---
	FAMILY MEDIUM TACTICAL VEHICLE.....	---		---		---	
3	CAP VEHICLES.....	---	1,059	---	1,800	---	+741
4	ITEMS LESS THAN \$5M (CARGO AND UTILITY VEHICLES)...	---	38,920	---	38,920	---	---
SPECIAL PURPOSE VEHICLES							
5	JOINT LIGHT TACTICAL VEHICLE.....	---	30,544	---	30,544	---	---
6	SECURITY AND TACTICAL VEHICLES.....	---	319	---	319	---	---
7	ITEMS LESS THAN \$5M (SPECIAL PURPOSE VEHICLES)....	---	43,157	---	43,157	---	---
FIRE FIGHTING EQUIPMENT							
8	FIRE FIGHTING/CRASH RESCUE VEHICLES.....	---	8,621	---	8,621	---	---
MATERIALS HANDLING EQUIPMENT							
9	ITEMS LESS THAN \$5M (MATERIALS HANDLING EQUIPMENT)	---	12,897	---	12,897	---	---
BASE MAINTENANCE SUPPORT							
10	RUNWAY SNOW REMOVAL & CLEANING EQUIP.....	---	3,577	---	3,577	---	---
11	ITEMS LESS THAN \$5M (BASE MAINTENANCE SUPPORT VEHICLES).....	---	43,095	---	43,095	---	---
	TOTAL, VEHICULAR EQUIPMENT.....	---	208,263	---	207,004	---	+741
ELECTRONICS AND TELECOMMUNICATIONS EQUIP							
13	COMM SECURITY EQUIPMENT(CONSEC) COMSEC EQUIPMENT.....	---	54,864	---	54,864	---	---
INTELLIGENCE PROGRAMS							
14	INTERNATIONAL INTEL TECH AND ARCHITECTURES.....	---	9,283	---	9,283	---	---
15	INTELLIGENCE TRAINING EQUIPMENT.....	---	6,849	---	6,849	---	---
16	INTELLIGENCE COMM EQUIP.....	---	33,471	---	25,471	---	-8,000
ELECTRONICS PROGRAMS							
17	TRAFFIC CONTROL/LANDING.....	---	29,409	---	25,842	---	-3,567
18	BATTLE CONTROL SYSTEM - FIXED.....	---	7,909	---	7,909	---	---
19	THEATER AIR CONTROL SYS IMPRO.....	---	32,632	---	32,632	---	---
20	WEATHER OBSERVATION FORECAST.....	---	33,021	---	33,021	---	---
21	STRATEGIC COMMAND AND CONTROL.....	---	31,353	---	28,407	---	-2,946
22	CHEYENNE MOUNTAIN COMPLEX.....	---	10,314	---	8,199	---	-2,115
23	MISSION PLANNING SYSTEMS.....	---	15,132	---	15,132	---	---
25	INTEGRATED STRAT PLAN AND ANALY NETWORK (ISPAN)...	---	9,806	---	9,806	---	---
SPECIAL COMM-ELECTRONICS PROJECTS							
26	GENERAL INFORMATION TECHNOLOGY.....	---	39,887	---	39,887	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT	COMMITTEE RECOMMENDED QTY AMOUNT	CHANGE FROM REQUEST QTY AMOUNT
27	AF GLOBAL COMMAND & CONTROL SYSTEM.....	--- 2,602	--- 2,602	--- ---
29	MOBILITY COMMAND AND CONTROL.....	--- 10,541	--- 10,541	--- ---
30	AIR FORCE PHYSICAL SECURITY SYSTEM.....	--- 96,277	--- 96,277	--- ---
31	COMBAT TRAINING RANGES.....	--- 195,185	--- 189,185	--- -6,000
32	MINIMUM ESSENTIAL EMERGENCY COMM N.....	--- 29,664	--- 19,939	--- -9,725
33	WIDE AREA SURVEILLANCE (WAS).....	--- 59,633	--- 59,633	--- ---
34	C3 COUNTERMEASURES.....	--- 105,584	--- 105,584	--- ---
36	DEFENSE ENTERPRISE ACCOUNTING AND MGMT.....	--- 899	--- 899	--- ---
38	THEATER BATTLE MGT C2 SYS.....	--- 3,392	--- 3,392	--- ---
39	AIR AND SPACE OPERATIONS CTR-WPN SYSTEM.....	--- 24,983	--- 24,983	--- ---
41	AIR FORCE COMMUNICATIONS INFORMATION TRANSPORT SYSTEMS.....	--- 19,147	--- 19,147	--- ---
42	AFNET.....	--- 84,515	--- 84,515	--- ---
43	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE).....	--- 6,185	--- 6,185	--- ---
44	USCENTCOM.....	--- 19,649	--- 19,649	--- ---
45	USSTRATCOM.....	--- 4,337	--- 4,337	--- ---
46	ORGANIZATION AND BASE TACTICAL C-E EQUIPMENT.....	--- 137,033	--- 137,033	--- ---
47	RADIO EQUIPMENT.....	--- 15,264	--- 15,264	--- ---
49	BASE COMM INFRASTRUCTURE.....	--- 132,281	--- 132,281	--- ---
50	MODIFICATIONS COMM ELECT MODS.....	--- 21,471	--- 21,471	--- ---
	TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP.....	--- 1,282,572	--- 1,250,219	--- -32,353
	OTHER BASE MAINTENANCE AND SUPPORT EQUIP PERSONAL SAFETY AND RESCUE EQUIP ITEMS LESS THAN \$5,000,000 (SAFETY).....	--- 49,578	--- 49,578	--- ---
51	DEPOT PLANT + MATERIALS HANDLING EQ POWER CONDITIONING EQUIPMENT.....	--- 11,454	--- 11,454	--- ---
52	MECHANIZED MATERIAL HANDLING.....	--- 12,110	--- 12,110	--- ---
53	BASE SUPPORT EQUIPMENT BASE PROCURED EQUIPMENT.....	--- 21,142	--- 27,342	--- +6,200
54	ENGINEERING AND EOD EQUIPMENT.....	--- 7,700	--- 7,700	--- ---
55	MOBILITY EQUIPMENT.....	--- 18,266	--- 18,266	--- ---
56	FUELS SUPPORT EQUIPMENT (FSE).....	--- 9,601	--- 9,601	--- ---
57	ITEMS LESS THAN \$5M (BASE SUPPORT).....	--- 42,078	--- 42,078	--- ---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT	COMMITTEE RECOMMENDED QTY AMOUNT	CHANGE FROM REQUEST QTY AMOUNT
-----				
	SPECIAL SUPPORT PROJECTS			
60	DARP RC135.....	--- 27,164	--- 27,164	--- ---
61	DISTRIBUTED GROUND SYSTEMS.....	--- 121,528	--- 99,190	--- -22,338
63	SPECIAL UPDATE PROGRAM.....	--- 782,641	--- 782,641	--- ---
	TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP.	--- 1,103,262	--- 1,087,124	--- -16,138
-----				
	SPARE AND REPAIR PARTS			
64	SPARES AND REPAIR PARTS (CYBER).....	--- 1,664	--- 1,664	--- ---
65	SPARES AND REPAIR PARTS.....	--- 15,847	--- 15,847	--- ---
	CLASSIFIED PROGRAMS.....	--- 21,086,112	--- 21,041,612	--- -44,500
		=====	=====	=====
	TOTAL, OTHER PROCUREMENT, AIR FORCE.....	23,695,720 =====	23,603,470 =====	-92,250 =====

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
3 CAP VEHICLES Program increase	1,059	1,800 741	741
16 INTELLIGENCE COMM EQUIPMENT CAIS unjustified growth	33,471	25,471 -8,000	-8,000
17 AIR TRAFFIC CONTROL & LANDING SYSTEMS DARC excess to need	29,409	25,842 -3,567	-3,567
21 STRATEGIC COMMAND AND CONTROL JADC2 procurement growth unjustified	31,353	28,407 -2,946	-2,946
22 CHEYENNE MOUNTAIN COMPLEX Transfer to P,SF line 17	10,314	8,199 -2,115	-2,115
31 COMBAT TRAINING RANGES ARTS V2 combined contract award	195,185	189,185 -6,000	-6,000
32 MEECN Production funding excess to need	29,664	19,939 -9,725	-9,725
54 BASE PROCURED EQUIPMENT Program increase - laboratory equipment	21,142	27,342 6,200	6,200
61 DCGS-AF Excess to need	121,528	99,190 -22,338	-22,338
999 CLASSIFIED PROGRAMS Classified adjustment	21,086,112	21,041,612 -44,500	-44,500

## PROCUREMENT, SPACE FORCE

Fiscal year 2020 appropriation .....	\$- - -
Fiscal year 2021 budget request .....	2,446,064,000
Committee recommendation .....	2,289,934,000
Change from budget request .....	- 156,130,000

The Committee recommends an appropriation of \$2,289,934,000 for Procurement, Space Force which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
PROCUREMENT, SPACE FORCE							
1	SPACE PROGRAMS						
	ADVANCED EHF.....	---	14,823	---	14,823	---	---
2	AF SATELLITE COMM SYSTEM.....	---	48,328	---	53,328	---	+5,000
3	COUNTERSPACE SYSTEMS.....	---	65,540	---	49,155	---	-16,385
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS.....	---	66,190	---	56,190	---	-10,000
5	GENERAL INFORMATION TECH - SPACE.....	---	3,299	---	3,299	---	---
6	GPSIII FOLLOW ON.....	2	627,796	2	622,796	---	-5,000
7	GPS III SPACE SEGMENT.....	---	20,122	---	20,122	---	---
8	GLOBAL POSITIONING (SPACE).....	---	2,256	---	2,256	---	---
9	SPACEBORNE EQUIP (CONSEC).....	---	35,495	---	35,495	---	---
10	NILSATCOM.....	---	15,795	---	15,795	---	---
11	SBIR HIGH (SPACE).....	---	160,891	---	160,891	---	---
12	SPECIAL SPACE ACTIVITIES.....	---	78,387	---	78,387	---	---
13	NATIONAL SECURITY SPACE LAUNCH.....	3	1,043,171	3	933,271	---	-109,900
14	NUDET DETECTION SYSTEM.....	---	6,638	---	6,638	---	---
15	ROCKET SYSTEMS LAUNCH PROGRAM.....	---	47,741	---	47,741	---	---
16	SPACE FENCE.....	---	11,279	---	11,279	---	---
17	SPACE MODS.....	---	98,551	---	86,706	---	-9,845
18	SPACELIFT RANGE SYSTEM SPACE.....	---	100,492	---	90,492	---	-10,000
19	SPARES AND REPAIR PARTS.....	---	1,272	---	1,272	---	---
TOTAL, PROCUREMENT, SPACE FORCE.....			2,446,064		2,289,934		-156,130

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

P-1		Budget Request	Committee Recommended	Change from Request
2	AF SATELLITE COMM SYSTEM Program increase - cyber defense	48,326	53,326 5,000	5,000
3	COUNTERSPACE SYSTEMS CCS procurement early to need	65,540	49,155 -16,385	-16,385
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS Insufficient justification	66,190	56,190 -10,000	-10,000
6	GPSIII FOLLOW ON Unjustified increase	627,796	622,796 -5,000	-5,000
13	NATIONAL SECURITY SPACE LAUNCH Launch services unjustified increase Enterprise systems engineering unjustified increase Launch services support unjustified increase	1,043,171	933,271 -91,000 -5,900 -13,000	-109,900
17	SPACE MODS Transfer from OP,AF line 22 Unjustified request	96,551	86,706 2,155 -12,000	-9,845
18	SPACELIFT RANGE SYSTEM SPACE Underexecution	100,492	90,492 -10,000	-10,000

## PROCUREMENT, DEFENSE WIDE

Fiscal year 2020 appropriation .....	\$5,332,147,000
Fiscal year 2021 budget request .....	5,324,487,000
Committee recommendation .....	5,418,220,000
Change from budget request .....	+93,733,000

The Committee recommends an appropriation of \$5,418,220,000 for Procurement, Defense-Wide which will provide the following program in fiscal year 2021:



(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
PROCUREMENT, DEFENSE-WIDE							
	MAJOR EQUIPMENT						
	MAJOR EQUIPMENT, DCAA						
2	MAJOR EQUIPMENT, DCHA	---	1,398	---	1,398	---	---
	MAJOR EQUIPMENT, DCSA						
3	MAJOR EQUIPMENT, DHRA	---	2,212	---	2,212	---	---
	PERSONNEL ADMINISTRATION						
5	MAJOR EQUIPMENT, DISA	---	4,213	---	4,213	---	---
	INFORMATION SYSTEMS SECURITY						
11	TELEPORT PROGRAM	---	17,211	---	17,211	---	---
12	JOINT FORCES HEADQUARTERS - DODIN	---	29,841	---	29,841	---	---
13	ITEMS LESS THAN \$5M	---	3,081	---	3,081	---	---
14	DEFENSE INFORMATION SYSTEMS NETWORK	---	41,569	---	41,569	---	---
16	WHITE HOUSE COMMUNICATION AGENCY	---	26,978	---	26,978	---	---
17	SENIOR LEADERSHIP ENTERPRISE	---	44,161	---	44,161	---	---
18	JOINT REGIONAL SECURITY STACKS (JRSS)	---	35,935	---	35,935	---	---
19	JOINT SERVICE PROVIDER	---	88,741	---	88,741	---	---
20	FOURTH ESTATE NETWORK OPTIMIZATION (4ENO)	---	157,538	---	152,538	---	-5,000
21	MAJOR EQUIPMENT, DLA	---	42,084	---	37,084	---	-5,000
23	MAJOR EQUIPMENT, DMACT	---	417,459	---	390,459	---	-27,000
	MAJOR EQUIPMENT, DODEA						
24	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	---	7,993	---	7,993	---	---
25	MAJOR EQUIPMENT, DPAA	10	500	10	500	---	---
26	MAJOR EQUIPMENT, DSS	---	1,598	---	1,598	---	---
27	REGIONAL CENTER PROCUREMENT	---		---		---	---
28	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY	---	215	---	215	---	---
29	VEHICLES	---	9,994	---	9,994	---	---
	OTHER MAJOR EQUIPMENT						
31	MAJOR EQUIPMENT, NDA	41	495,396	41	502,010	---	+6,614
34	THAAD SYSTEM	34	356,195	34	356,195	---	---
35	AEGIS BMD	---	44,901	---	44,901	---	---
	AEGIS BMD (AP)						
37	AEGIS BMD SM-3 BLOCK IIA	6	218,322	6	318,322	---	+100,000
38	ISRAELI PROGRAMS	1	77,000	1	77,000	---	---
39	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)	1	50,000	1	50,000	---	---

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY	AMOUNT	COMMITTEE RECOMMENDED QTY	AMOUNT	CHANGE FROM REQUEST QTY	AMOUNT
40	AEGIS ASHORE PHASE III.....	---	39,114	---	34,629	---	-4,485
41	IRON DOME SYSTEM.....	1	73,000	1	73,000	---	---
42	AEGIS BMD HARDWARE AND SOFTWARE.....	49	104,241	49	104,241	---	---
48	MAJOR EQUIPMENT, NSA INFORMATION SYSTEMS SECURITY PROGRAM (ISSP).....	---	101	---	101	---	---
49	MAJOR EQUIPMENT, OSD MAJOR EQUIPMENT, OSD.....	---	3,099	---	33,099	---	+30,000
50	MAJOR EQUIPMENT, TJS MAJOR EQUIPMENT, TJS.....	---	8,329	---	8,329	---	---
51	MAJOR EQUIPMENT - TJS CYBER.....	---	1,247	---	1,247	---	---
53	MAJOR EQUIPMENT, WHS MAJOR EQUIPMENT, WHS.....	---	515	---	515	---	---
	TOTAL, MAJOR EQUIPMENT.....	---	2,405,510	---	2,500,639	---	+95,129
	CLASSIFIED PROGRAMS.....	---	554,264	---	551,864	---	-2,400
	SPECIAL OPERATIONS COMMAND AVIATION PROGRAMS						
55	ARMED OVERWATCH/TARGETING.....	5	101,000	5	21,000	---	-80,000
59	SOF ROTARY WING UPGRADES AND SUSTAINMENT.....	---	211,041	---	211,041	---	---
60	UNMANNED ISR.....	---	25,488	---	24,488	---	-1,000
61	NON-STANDARD AVIATION.....	---	61,874	---	61,874	---	---
62	SOF U-28.....	---	3,825	---	3,825	---	---
63	MH-47 CHINOOK.....	---	135,482	---	135,482	---	---
64	CV-22 SOF MODIFICATION.....	---	14,829	---	54,109	---	+39,280
65	MQ-9 UNMANNED AERIAL VEHICLE.....	---	6,746	---	6,746	---	---
66	PRECISION STRIKE PACKAGE.....	---	243,111	---	233,111	---	-10,000
67	AC/MC-130J.....	---	163,914	---	153,914	---	-10,000
68	C-130 MODIFICATIONS.....	---	20,414	---	10,414	---	-10,000
69	SHIPBUILDING UNDERWATER SYSTEMS.....	---	20,556	---	20,556	---	---
70	AMMUNITION PROGRAMS SOF ORDNANCE ITEMS UNDER \$5,000,000.....	---	186,197	---	186,197	---	---
71	OTHER PROCUREMENT PROGRAMS SOF INTELLIGENCE SYSTEMS.....	---	94,982	---	94,982	---	---
72	DCGS-SOF.....	---	11,645	---	11,645	---	---
73	OTHER ITEMS UNDER \$5,000,000.....	---	96,333	---	84,107	---	-12,226

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST QTY AMOUNT	COMMITTEE RECOMMENDED QTY AMOUNT	CHANGE FROM REQUEST QTY AMOUNT
74	SOF COMBATANT CRAFT SYSTEMS.....	--- 17,278	--- 33,278	--- +16,000
75	SPECIAL PROGRAMS.....	--- 78,865	--- 102,365	--- +23,500
76	TACTICAL VEHICLES.....	--- 30,158	--- 30,158	--- ---
77	WARRIOR SYSTEMS UNDER \$5,000,000.....	--- 260,733	--- 303,733	--- +43,000
78	COMBAT MISSION REQUIREMENTS.....	--- 19,848	--- 19,848	--- ---
79	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES.....	--- 2,401	--- 2,401	--- ---
80	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE.....	--- 13,861	--- 13,861	--- ---
81	SOF OPERATIONAL ENHANCEMENTS.....	--- 247,038	--- 247,038	--- ---
	TOTAL, SPECIAL OPERATIONS COMMAND.....	--- 2,067,619	--- 2,066,173	--- -1,446
	CHEMICAL/BIOLOGICAL DEFENSE			
82	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS.....	--- 147,150	--- 149,600	--- +2,450
83	CB PROTECTION AND HAZARD MITIGATION.....	--- 149,944	--- 149,944	--- ---
	TOTAL, CHEMICAL/BIOLOGICAL DEFENSE.....	--- 297,094	--- 299,544	--- +2,450
		=====	=====	=====
	TOTAL, PROCUREMENT, DEFENSE-WIDE.....	--- 5,324,487	--- 5,418,220	--- +93,733
		=====	=====	=====

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

P-1	Budget Request	Committee Recommended	Change from Request
20 JOINT SERVICE PROVIDER	157,538	152,538	-5,000
Insufficient justification		-5,000	
21 FOURTH ESTATE NETWORK OPTIMIZATION (4ENO)	42,084	37,084	-5,000
Insufficient justification		-5,000	
23 MAJOR EQUIPMENT	417,459	390,459	-27,000
MGUE excess growth		-20,000	
MGUE - DLA requested transfer to RDTE, DW line 54		-7,000	
31 THAAD SYSTEM	495,396	502,010	6,614
Unit cost growth		-23,494	
Program increase - HEMTT trucks		30,108	
37 AEGIS BMD SM-3 Block IIA	218,322	318,322	100,000
Program increase - additional SM-3 Block IIA interceptors		100,000	
40 AEGIS ASHORE PHASE III	39,114	34,629	-4,485
Excess growth		-4,485	
49 MAJOR EQUIPMENT, OSD	3,099	33,099	30,000
Mentor Protégé funding restoration		30,000	
55 ARMED OVERWATCH/TARGETING	101,000	21,000	-80,000
Excess to need		-80,000	
60 UNMANNED ISR	25,488	24,488	-1,000
EOTACs insufficient budget justification		-1,000	
64 CV-22 SOF MODIFICATION	14,829	54,109	39,280
Program increase - two aircraft modifications		39,280	
66 PRECISION STRIKE PACKAGE	243,111	233,111	-10,000
Excess to need		-10,000	
67 AC/MC-130J	163,914	153,914	-10,000
RFCM excess to need		-10,000	
68 C-130 MODIFICATIONS	20,414	10,414	-10,000
Excess to need		-10,000	
73 SOF OTHER ITEMS UNDER \$5M	96,333	84,107	-12,226
MMP excess to need		-12,226	
74 SOF COMBATANT CRAFT SYSTEMS	17,278	33,278	16,000
Program increase - combatant craft assault		16,000	
75 SPECIAL PROGRAMS	78,865	102,365	23,500
Classified adjustment - excess to need		-15,000	
Program increase - classified adjustment		38,500	

P-1	Budget Request	Committee Recommended	Change from Request
<b>77 SOF WARRIOR SYSTEMS UNDER \$5M</b>	<b>260,733</b>	<b>303,733</b>	<b>43,000</b>
Program increase - STC		20,000	
RC-IED excess to need		-2,000	
Program increase - cUAS		25,000	
<b>82 CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS</b>	<b>147,150</b>	<b>149,600</b>	<b>2,450</b>
Program increase - joint chemical agent detector solid liquid adapter		2,450	
<b>999 CLASSIFIED PROGRAMS</b>	<b>554,264</b>	<b>551,864</b>	<b>-2,400</b>
Classified adjustment		-2,400	

## CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS

The Committee commends the Joint Program Executive Office for Chemical, Biological, Radiological and Nuclear Defense (JPEO–CBRND) for the fielding of dismounted reconnaissance sets, kits, and system enhancement packages critical for CBRND capabilities. These equipment sets provide situational awareness and accelerate innovative technologies that extend the longevity of these capabilities. The Committee encourages the Joint Program Executive Officer for JPEO–CBRND to ensure timely fielding of these capabilities.

## DEFENSE PRODUCTION ACT PURCHASES

Fiscal year 2020 appropriation .....	\$64,393,000
Fiscal year 2021 budget request .....	181,931,000
Committee recommendation .....	191,931,000
Change from budget request .....	+10,000,000

The Committee recommends an appropriation of \$191,931,000 for the Defense Production Act Purchases which will provide the following program in fiscal year 2021:

## EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
DEFENSE PRODUCTION ACT PURCHASES	181,931	191,931	10,000
Program increase—3D carbon hypersonic materials .....		10,000	
TOTAL, DEFENSE PRODUCTION ACT PURCHASES .....	181,931	191,931	10,000

## TITLE IV

### RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The fiscal year 2021 Department of Defense research, development, test and evaluation budget request totals \$106,224,793,000. The Committee recommendation provides \$104,348,089,000 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.....	12,587,343	13,126,499	+539,156
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY.....	21,427,048	20,165,874	-1,261,174
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE.	37,391,826	36,040,609	-1,351,217
-----			
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE.....	10,327,595	10,187,840	-139,755
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE.....	24,280,891	24,617,177	+336,286
OPERATIONAL TEST AND EVALUATION, DEFENSE.....	210,090	210,090	---
-----			
GRAND TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION.....	106,224,793	104,348,089	-1,876,704
	=====	=====	=====



REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS  
(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS  
FUNDING)

The Secretary of Defense is directed to continue to follow the reprogramming guidance as specified in the report accompanying the House version of the Department of Defense Appropriations bill for Fiscal Year 2008 (House Report 110-279). Specifically, the dollar threshold for reprogramming funds shall be \$10,000,000 for procurement and research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for Service and defense-wide accounts in titles III and IV of this Act. Reports for titles III and IV shall comply with 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.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION SPECIAL INTEREST  
ITEMS

Items for which additional funds have been recommended or items for which funding is specifically reduced as shown in the project level tables detailing recommended adjustments 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 elsewhere in this report.

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS

The Committee was disappointed that the annual report on the Department’s request for Federally Funded Research and Development Centers (FFRDC) was delivered more than three months late for the second consecutive year from the Office of the Under Secretary of Defense (Research and Engineering). This report is due to Congress with the submission of the annual budget request. De-

tails of FFRDC funding and staffing levels are incorporated into the budget request in various programs, projects, and activities; therefore, the Committee is confused why the annual summary report, which assists in determining any necessary adjustments to the FFRDC legislative provision, is consistently delivered late. The Committee is also disturbed by the lack of transparency the Under Secretary's office provides to the Committee on possible changes it seems to be contemplating for the use of FFRDCs. Therefore, 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, on the methodology and criteria being used to assess each of the FFRDCs, the definition of core competencies, and what, if any, transitions will take place in fiscal years 2021 and 2022. The Secretary is also directed to inform the congressional defense committees on possible changes to the policy document for the FFRDC program, Department of Defense Instruction 5000.77, prior to the implementation of any decisions that are made.

#### HUMAN PERFORMANCE OPTIMIZATION RESEARCH

The Committee believes that developmental programs aimed at human performance optimization in the physical, cognitive, organizational, and social domains could improve military readiness. The Committee encourages the Service Secretaries to prioritize human performance optimization research efforts and encourages utilizing public-private partnerships when possible.

#### RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Fiscal year 2020 appropriation .....	\$12,543,435,000
Fiscal year 2021 budget request .....	12,587,343,000
Committee recommendation .....	13,126,499,000
Change from budget request .....	+539,156,000

The Committee recommends an appropriation of \$13,126,499,000 for Research, Development, Test and Evaluation, Army which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY			
2 BASIC RESEARCH			
DEFENSE RESEARCH SCIENCES.....	303,257	346,457	+43,200
3 UNIVERSITY RESEARCH INITIATIVES.....	67,148	101,148	+34,000
4 UNIVERSITY AND INDUSTRY RESEARCH CENTERS.....	87,877	117,877	+30,000
5 CYBER COLLABORATIVE RESEARCH ALLIANCE.....	5,077	5,077	---
TOTAL, BASIC RESEARCH.....	463,359	570,559	+107,200
7 APPLIED RESEARCH			
BIOMEDICAL TECHNOLOGY.....	11,835	11,835	---
11 COUNTER IMPROVISED-THREAT ADVANCED STUDIES.....	2,000	2,000	---
12 LETHALITY TECHNOLOGY.....	42,425	96,425	+54,000
13 ARMY APPLIED RESEARCH.....	30,757	43,467	+12,710
14 SOLDIER LETHALITY TECHNOLOGY.....	125,435	155,435	+30,000
15 GROUND TECHNOLOGY.....	28,047	112,047	+84,000
16 NEXT GENERATION COMBAT VEHICLE TECHNOLOGY.....	217,565	251,565	+34,000
17 NETWORK C3I TECHNOLOGY.....	114,404	149,404	+35,000
18 LONG RANGE PRECISION FIRES TECHNOLOGY.....	60,553	80,553	+20,000
19 FUTURE VERTICLE LIFT TECHNOLOGY.....	96,484	116,484	+20,000
20 AIR AND MISSILE DEFENSE TECHNOLOGY.....	56,298	75,298	+19,000
22 C3I APPLIED CYBER.....	18,816	18,816	---
40 MANPOWER/PERSONNEL/TRAINING TECHNOLOGY.....	20,766	20,766	---
42 MEDICAL TECHNOLOGY.....	95,496	100,496	+5,000
TOTAL, APPLIED RESEARCH.....	920,881	1,234,591	+313,710
44 ADVANCED TECHNOLOGY DEVELOPMENT			
MEDICAL ADVANCED TECHNOLOGY.....	38,896	84,896	+46,000
49 MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY..	11,659	11,659	---
52 MEDICAL DEVELOPMENT.....	27,723	27,723	---
53 ARMY ADVANCED TECHNOLOGY DEVELOPMENT.....	62,663	62,663	---
54 SOLDIER LETHALITY ADVANCED TECHNOLOGY.....	109,608	137,608	+28,000
55 GROUND ADVANCED TECHNOLOGY.....	14,795	111,295	+96,500
59 COUNTER IMPROVISED-THREAT SIMULATION.....	25,000	25,000	---
63 C3I CYBER ADVANCED DEVELOPMENT.....	23,357	43,357	+20,000
64 HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM.....	188,024	188,024	---
65 NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY....	199,358	272,358	+73,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
66 NETWORK C3I ADVANCED TECHNOLOGY.....	158,608	172,608	+14,000
67 LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY.....	121,060	141,060	+20,000
68 FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY.....	156,194	193,444	+37,250
69 AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY.....	58,130	85,630	+27,500
77 HUMANITARIAN DEMINING.....	8,515	17,000	+8,485
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	1,203,590	1,574,325	+370,735
DEMONSTRATION & VALIDATION			
78 ARMY MISSILE DEFENSE SYSTEMS INTEGRATION.....	11,062	34,062	+23,000
79 ARMY SPACE SYSTEMS INTEGRATION.....	26,230	26,230	---
80 AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING.....	26,482	25,082	-1,400
81 LANDMINE WARFARE AND BARRIER - ADV DEV.....	64,092	61,858	-2,234
83 TANK AND MEDIUM CALIBER AMMUNITION.....	92,753	92,753	---
84 ARMORED SYSTEM MODERNIZATION - ADV DEV.....	151,478	151,478	---
85 SOLDIER SUPPORT AND SURVIVABILITY.....	5,841	5,841	---
86 TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - AD.....	194,775	170,025	-24,750
87 NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT.....	24,316	24,316	---
88 ENVIRONMENTAL QUALITY TECHNOLOGY.....	13,387	18,387	+5,000
89 NATO RESEARCH AND DEVELOPMENT.....	4,762	4,762	---
90 AVIATION - ADV DEV.....	647,937	672,937	+25,000
91 LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV.....	4,761	4,761	---
92 MEDICAL SYSTEMS - ADV DEV.....	28,520	28,520	---
93 SOLDIER SYSTEMS - ADVANCED DEVELOPMENT.....	26,138	26,138	---
94 ROBOTICS DEVELOPMENT.....	121,207	114,792	-6,415
96 ELECTRONIC WARFARE TECHNOLOGY MATURATION (MIP).....	22,840	22,840	---
97 LOW EARTH ORBIT (LEO) SATELLITE CAPABILITY.....	22,678	22,678	---
98 ANALYSIS OF ALTERNATIVES.....	10,082	10,082	---
99 SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.4).....	1,378	1,378	---
100 FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS).....	40,083	57,083	+17,000
101 LOWER TIER AIR MISSILE DEFENSE (LTAMID) SENSOR.....	376,373	376,373	---
102 TECHNOLOGY MATURATION INITIATIVES.....	156,834	156,834	---
103 MANEUVER - SHORT RANGE AIR DEFENSE (M-SHORAD).....	4,995	---	-4,995
105 ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING.....	170,490	165,490	-5,000
106 ASSURED POSITIONING, NAVIGATION AND TIMING (PNT).....	128,125	138,125	+10,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
107 SYNTHETIC TRAINING ENVIRONMENT REFINEMENT AND PROTOTYPING.....	129,547	129,547	---
108 COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.....	13,831	13,831	---
109 HYPERSONICS.....	801,417	811,417	+10,000
111 FUTURE INTERCEPTOR.....	7,992	---	-7,992
112 UNIFIED NETWORK TRANSPORT.....	40,677	40,677	---
115 CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT.....	50,525	50,525	---
TOTAL, DEMONSTRATION & VALIDATION.....	3,421,608	3,458,822	+37,214
ENGINEERING & MANUFACTURING DEVELOPMENT			
118 AIRCRAFT AVIONICS.....	2,764	7,264	+4,500
119 ELECTRONIC WARFARE DEVELOPMENT.....	62,426	59,026	-3,400
121 INFANTRY SUPPORT WEAPONS.....	91,574	74,934	-16,640
122 MEDIUM TACTICAL VEHICLES.....	8,523	8,523	---
123 JAVELIN.....	7,493	7,493	---
124 FAMILY OF HEAVY TACTICAL VEHICLES.....	24,792	24,792	---
125 AIR TRAFFIC CONTROL.....	3,511	3,511	---
126 LIGHT TACTICAL WHEELED VEHICLES.....	1,976	1,976	---
127 ARMORED SYSTEMS MODERNIZATION (ASM) - ENG DEV.....	135,488	135,488	---
128 NIGHT VISION SYSTEMS - SDD.....	61,445	50,611	-10,834
129 COMBAT FEEDING, CLOTHING, AND EQUIPMENT.....	2,814	2,814	---
130 NON-SYSTEM TRAINING DEVICES - SDD.....	28,036	28,036	---
131 AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE -SDD....	43,651	43,651	---
132 CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT.....	10,150	10,150	---
133 AUTOMATIC TEST EQUIPMENT DEVELOPMENT.....	5,578	5,578	---
134 DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - SDD.....	7,892	7,892	---
135 BRILLIANT ANTI-ARMOR SUBMUNITION (BAT).....	24,975	24,975	---
136 COMBINED ARMS TACTICAL TRAINER (CATT) CORE.....	3,568	3,568	---
137 BRIGADE ANALYSIS, INTEGRATION AND EVALUATION.....	19,268	19,268	---
138 WEAPONS AND MUNITIONS - SDD.....	265,811	298,811	+33,000
139 LOGISTICS AND ENGINEER EQUIPMENT - SDD.....	49,694	56,344	+6,650
140 COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - SDD.....	11,079	11,079	---
141 MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT.	49,870	49,870	---
142 LANDMINE WARFARE/BARRIER - SDD.....	9,589	9,589	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
143 ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE...	162,513	143,233	-19,280
144 RADAR DEVELOPMENT.....	109,259	109,259	---
145 GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBs).....	21,201	21,201	---
146 FIREFINDER.....	20,008	16,808	-3,200
147 SOLDIER SYSTEMS - WARRIOR DEM/VAL.....	6,534	6,534	---
148 SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS -EMD.....	82,459	93,380	+10,921
149 ARTILLERY SYSTEMS.....	11,611	36,611	+25,000
150 INFORMATION TECHNOLOGY DEVELOPMENT.....	142,678	124,612	-18,066
151 INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A).....	115,286	115,286	---
152 ARMORED MULTI-PURPOSE VEHICLE.....	96,594	59,666	-36,928
154 JOINT TACTICAL NETWORK CENTER (JTNC).....	16,264	16,264	---
155 JOINT TACTICAL NETWORK (JTN).....	31,696	31,696	---
157 GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM - EXPEDITIONARY (GBOSS-E).....	5,976	5,976	---
159 COMMON INFRARED COUNTERMEASURES (CIRCM).....	23,321	23,321	---
161 NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE....	4,846	4,846	---
162 DEFENSIVE CYBER TOOL DEVELOPMENT.....	28,544	28,544	---
163 TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER).....	28,178	22,157	-6,021
164 CONTRACT WRITING SYSTEM.....	22,860	22,860	---
166 AIRCRAFT SURVIVABILITY DEVELOPMENT.....	35,893	35,893	---
167 INDIRECT FIRE PROTECTION CAPABILITY INC 2 - BLOCK 1...	235,770	118,470	-117,300
168 GROUND ROBOTICS.....	13,710	13,710	---
169 EMERGING TECHNOLOGY INITIATIVES.....	294,739	304,739	+10,000
170 MEDICAL PRODUCTS AND SUPPORT SYSTEMS DEVELOPMENT.....	954	954	---
171 ARMY SYSTEM DEVELOPMENT & DEMONSTRATION.....	150,201	150,201	---
172 SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.5).....	5,999	5,999	---
174 JOINT AIR-TO-GROUND MISSILE (JAGM).....	8,891	8,891	---
175 ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD).....	193,929	198,929	+5,000
176 MANNED GROUND VEHICLE.....	327,732	229,500	-98,232
177 NATIONAL CAPABILITIES INTEGRATION.....	7,670	7,670	---
178 JOINT LIGHT TACTICAL VEHICLE ENG AND MANUFACTURING....	1,742	1,742	---
179 AVIATION GROUND SUPPORT EQUIPMENT.....	1,467	1,467	---
180 TROJAN - RH12.....	3,451	3,451	---
183 ELECTRONIC WARFARE DEVELOPMENT.....	55,855	20,250	-35,605

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	3,199,798	2,929,363	-270,435
RT&E MANAGEMENT SUPPORT			
185 THREAT SIMULATOR DEVELOPMENT.....	14,515	14,515	---
186 TARGET SYSTEMS DEVELOPMENT.....	10,668	10,668	---
187 MAJOR T&E INVESTMENT.....	106,270	123,110	+16,840
188 RAND ARROYO CENTER.....	13,481	13,481	---
189 ARMY KWAJALEIN ATOLL.....	231,824	231,824	---
190 CONCEPTS EXPERIMENTATION PROGRAM.....	54,898	51,079	-3,819
192 ARMY TEST RANGES AND FACILITIES.....	350,359	365,359	+15,000
193 ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS.....	48,475	53,475	+5,000
194 SURVIVABILITY/LETHALITY ANALYSIS.....	36,001	36,001	---
195 AIRCRAFT CERTIFICATION.....	2,736	2,736	---
196 METEOROLOGICAL SUPPORT TO RT&E ACTIVITIES.....	6,488	6,488	---
197 MATERIEL SYSTEMS ANALYSIS.....	21,859	21,859	---
198 EXPLOITATION OF FOREIGN ITEMS.....	7,936	7,936	---
199 SUPPORT OF OPERATIONAL TESTING.....	54,470	54,470	---
200 ARMY EVALUATION CENTER.....	63,141	56,827	-6,314
201 ARMY MODELING AND SIMULATION X-CMD COLLABORATION AND INTEG.....	2,572	2,572	---
202 PROGRAMWIDE ACTIVITIES.....	87,472	80,418	-7,054
203 TECHNICAL INFORMATION ACTIVITIES.....	26,244	26,244	---
204 MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY...	40,133	47,113	+6,980
205 ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT.....	1,780	1,780	---
206 MANAGEMENT HEADQUARTERS (RESEARCH AND DEVELOPMENT)....	55,045	55,045	---
208 RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE.....	71,306	71,306	---
209 COUNTERINTEL AND HUMAN INTEL MODERNIZATION.....	1,063	1,063	---
210 MEDICAL PROGRAM-WIDE ACTIVITIES.....	19,891	19,891	---
211 ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.....	4,496	4,496	---
TOTAL, RT&E MANAGEMENT SUPPORT.....	1,333,123	1,359,756	+26,633

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
OPERATIONAL SYSTEMS DEVELOPMENT			
214 MLRS PRODUCT IMPROVEMENT PROGRAM.....	10,157	10,157	---
216 ANTI-TAMPER TECHNOLOGY SUPPORT.....	8,682	8,682	---
217 WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS....	20,409	20,409	---
219 LONG RANGE PRECISION FIRES (LRPF).....	122,733	104,625	-18,108
221 BLACKHAWK RECAP/MODERNIZATION.....	11,236	11,236	---
222 CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM.....	46,091	51,091	+5,000
224 IMPROVED TURBINE ENGINE PROGRAM.....	249,257	224,257	-25,000
AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND			
225 DEVELOPMENT.....	17,155	17,155	---
226 UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS.....	7,743	19,743	+12,000
227 APACHE FUTURE DEVELOPMENT.....	77,177	77,177	---
228 INTEL CYBER DEVELOPMENT.....	14,652	14,652	---
229 ARMY OPERATIONAL SYSTEMS DEVELOPMENT.....	35,851	35,851	---
230 FAMILY OF BIOMETRICS.....	1,324	1,324	---
231 PATRIOT PRODUCT IMPROVEMENT.....	187,840	187,840	---
232 JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM....	44,691	44,691	---
233 COMBAT VEHICLE IMPROVEMENT PROGRAMS.....	268,919	249,502	-19,417
234 155MM SELF-PROPELLED HOWITZER IMPROVEMENTS.....	427,254	420,963	-6,291
235 AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS...	11,688	11,688	---
236 AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	80	80	---
237 DIGITIZATION.....	4,516	4,516	---
238 MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM.....	1,288	1,288	---
239 OTHER MISSILE PRODUCT IMPROVEMENT.....	79,424	76,174	-3,250
243 ENVIRONMENTAL QUALITY TECHNOLOGY - OPERATIONAL SYSTEM.	259	259	---
244 LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM.....	166	---	-166
245 GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS).....	75,575	75,575	---
246 JOINT TACTICAL GROUND SYSTEM.....	9,510	9,510	---
249 INFORMATION SYSTEMS SECURITY PROGRAM.....	29,270	29,270	---
250 GLOBAL COMBAT SUPPORT SYSTEM.....	86,908	86,908	---
251 SATCOM GROUND ENVIRONMENT (SPACE).....	18,684	18,684	---
256 INTEGRATED BROADCAST SERVICE (IBS).....	467	467	---
257 TACTICAL UNMANNED AERIAL VEHICLES.....	4,051	4,051	---
258 AIRBORNE RECONNAISSANCE SYSTEMS.....	13,283	13,283	---
259 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	47,204	47,204	---



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
264 END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES.....	61,012	106,012	+45,000
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,994,556	1,984,324	-10,232
9999 CLASSIFIED PROGRAMS.....	3,983	3,983	---
267 DEFENSIVE CYBER - SOFTWARE PROTOTYPE DEVELOPMENT.....	46,445	46,445	---
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-35,669	-35,669
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY.....	12,587,343	13,126,499	+539,156

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
 [In thousands of dollars]

<b>R-1</b>	<b>Budget Request</b>	<b>Committee Recommended</b>	<b>Change from Request</b>
<b>2 DEFENSE RESEARCH SCIENCES</b>	<b>303,257</b>	<b>346,457</b>	<b>43,200</b>
Program increase - unmanned aerial systems propulsion		15,000	
Program increase		10,000	
Program increase - flexible LED lighting for tents and shelters		5,200	
Program increase - counter UAS technology research		5,000	
Program increase - cell-free expression for biomanufacturing		5,000	
Program increase - explosives and opioids dual-use UV detection		3,000	
<b>3 UNIVERSITY RESEARCH INITIATIVES</b>	<b>67,148</b>	<b>101,148</b>	<b>34,000</b>
Program increase		20,000	
Program increase - additive manufacturing using ultra high-performance concrete		10,000	
Program increase - clean modular hydro technology		4,000	
<b>4 UNIVERSITY AND INDUSTRY RESEARCH CENTERS</b>	<b>87,877</b>	<b>117,877</b>	<b>30,000</b>
Program increase - Army artificial intelligence innovation		20,000	
Program increase - materials in extreme dynamic environments		10,000	
<b>12 LETHALITY TECHNOLOGY</b>	<b>42,425</b>	<b>96,425</b>	<b>54,000</b>
Program increase - novel and sustainable energetic materials		24,000	
Program increase - quantum technologies for armament systems		10,000	
Program increase - solid fuel propulsion technology		10,000	
Program increase - optimized additive manufacturing		5,000	
Program increase - next generation remote sensing		5,000	
<b>13 ARMY APPLIED RESEARCH</b>	<b>30,757</b>	<b>43,467</b>	<b>12,710</b>
Program increase - pathfinder airborne		8,000	
Program increase - UTDD catalyst		5,000	
Program increase - smart installation and community program		5,000	
Insufficient justification		-5,290	
<b>14 SOLDIER LETHALITY TECHNOLOGY</b>	<b>125,435</b>	<b>155,435</b>	<b>30,000</b>
Program increase - lightweight body armor		10,000	
Program increase - advanced textile-based products		6,000	
Program increase - HEROES program		5,000	
Program increase - soldier ballistic technologies		5,000	
Program increase - medical simulation and training		4,000	

R-1	Budget Request	Committee Recommended	Change from Request
<b>15 GROUND TECHNOLOGY</b>	<b>28,047</b>	<b>112,047</b>	<b>84,000</b>
Program increase - defense resiliency against extreme cold weather		10,000	
Program increase - rapid advanced deposition		10,000	
Program increase - additive manufacturing machine learning initiative		10,000	
Program increase - materials manufacturing processes		10,000	
Program increase - materials recovery technologies for defense supply resiliency		10,000	
Program increase - autonomous digital design and manufacturing		5,000	
Program increase - environmental quality enhanced coatings		5,000	
Program increase - integrity of transparent armor		5,000	
Program increase - high performance polymers		5,000	
Program increase - military waste stream conversion		5,000	
Program increase - robotic RTCH		5,000	
Program increase - advanced concrete		4,000	
<b>16 NEXT GENERATION COMBAT VEHICLE TECHNOLOGY</b>	<b>217,565</b>	<b>251,565</b>	<b>34,000</b>
Program increase - prototyping energy smart autonomous ground systems		12,000	
Program increase - additive metals manufacturing		10,000	
Program increase - self-sealing fuel tanks technology		6,000	
Program increase - silicon carbide electronics		6,000	
Program increase - highly electrified vehicles		5,000	
BF9 insufficient justification		-3,000	
BH5 insufficient justification		-2,000	
<b>17 NETWORK C3I TECHNOLOGY</b>	<b>114,404</b>	<b>149,404</b>	<b>35,000</b>
Program increase - artificial intelligence and machine learning electronic warfare sensor technology		10,000	
Program increase - integrating energy and computing networks		10,000	
Program increase - energy efficient devices		5,000	
Program increase - CHARM		5,000	
Program increase - APNT for autonomous vehicles		5,000	
<b>18 LONG RANGE PRECISION FIRES TECHNOLOGY</b>	<b>60,553</b>	<b>80,553</b>	<b>20,000</b>
Program increase - extended range hybrid and precision gun launched projectiles		15,000	
Program increase - composite cannon tubes		5,000	
<b>19 FUTURE VERTICAL LIFT TECHNOLOGY</b>	<b>96,484</b>	<b>116,484</b>	<b>20,000</b>
Program increase - individual blade and higher harmonic control		10,000	
Program increase - high strength functional composites		5,000	
Program increase - additive manufacturing of multi-functional composite aerospace components		5,000	
<b>20 AIR AND MISSILE DEFENSE TECHNOLOGY</b>	<b>56,298</b>	<b>75,298</b>	<b>19,000</b>
Program increase - beam control systems and industry grade optical fiber fabrication for energy laser		12,000	
Program increase - high energy laser enabling and support technology		7,000	

R-1		Budget Request	Committee Recommended	Change from Request
42	<b>MEDICAL TECHNOLOGY</b>	95,496	100,496	5,000
	Program increase - military force vector borne health protection		5,000	
44	<b>MEDICAL ADVANCED TECHNOLOGY</b>	38,896	84,896	46,000
	Program increase - peer-reviewed neurofibromatosis research		20,000	
	Program increase - peer-reviewed neurotoxin exposure treatment Parkinson's research		16,000	
	Program increase - peer-reviewed military burn research		10,000	
54	<b>SOLDIER LETHALITY ADVANCED TECHNOLOGY</b>	109,608	137,608	28,000
	Program increase		10,000	
	Program increase - advanced AI/AA analytics for modernization and readiness		10,000	
	Program increase - small arms fire control advanced technology		8,000	
55	<b>GROUND ADVANCED TECHNOLOGY</b>	14,795	111,295	96,500
	Program increase - flow battery demonstration		20,000	
	Program increase - corrosion protection and prevention		10,000	
	Program increase - rapid entry and sustainment for the arctic		8,000	
	Program increase - composite flywheel technology		7,000	
	Program increase - high-performance concrete technology		6,000	
	Program increase - secure management of energy generation and storage		5,000	
	Program increase - water quality and resiliency		5,000	
	Program increase - electrical system safety and reliability		5,000	
	Program increase - rare earth element extraction		5,000	
	Program increase - organic light emitting diode		5,000	
	Program increase - coatings technology		5,000	
	Program increase - heavy load simulator		4,200	
	Program increase - integrated microgrids		4,000	
	Program increase - infrastructure resilience and flood assessment		3,000	
	Program increase - single connection quick oil change system		3,000	
	Program increase - cross-laminated timber and recycled carbon fiber materials		1,300	
63	<b>C3I CYBER ADVANCED DEVELOPMENT</b>	23,357	43,357	20,000
	Program increase - high bandwidth cryptomodule enhancements and certification		10,000	
	Program increase - low SWAP software-defined MFEW		10,000	

R-1	Budget Request	Committee Recommended	Change from Request
<b>NEXT GENERATION COMBAT VEHICLE ADVANCED</b>			
<b>65 TECHNOLOGY</b>	<b>199,358</b>	<b>272,358</b>	<b>73,000</b>
Program increase - additive manufacturing for jointless hull		10,000	
Program increase - hydrogen fuel cells		10,000	
Program increase - carbon fiber and graphitic foam technology		10,000	
Program increase - combat vehicle weight reduction		10,000	
Program increase - ATE5.2 engine development		10,000	
Program increase - combat vehicle blast testing		6,000	
Program increase - additive manufacturing of critical components		5,000	
Program increase - advanced adhesives		5,000	
Program increase - combat vehicle lithium 6T battery development		5,000	
Program increase - vehicle technology readiness levels		2,000	
<b>66 NETWORK C3I ADVANCED TECHNOLOGY</b>	<b>158,608</b>	<b>172,608</b>	<b>14,000</b>
Program increase - mesh network-enabled small satellites		10,000	
Program increase - geospatial artificial intelligence analytic tools		4,000	
<b>LONG RANGE PRECISION FIRES ADVANCED</b>			
<b>67 TECHNOLOGY</b>	<b>121,060</b>	<b>141,060</b>	<b>20,000</b>
Program increase - hypervelocity projectile extended range		20,000	
<b>68 FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY</b>	<b>156,194</b>	<b>193,444</b>	<b>37,250</b>
Program increase - advanced helicopter seating system		15,000	
Program increase - joint tactical aerial resupply vehicle		8,000	
Program increase - surface tolerant adhesives		5,000	
Program increase - UH-60 main rotor blade modernization		5,000	
Program increase - soldier information interface for aviation			
fleet management tool		2,250	
Program increase - helicopter emergency oil systems		2,000	
<b>69 AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY</b>	<b>58,130</b>	<b>85,630</b>	<b>27,500</b>
Program increase		20,000	
Program increase - thermal management system for high energy laser		7,500	
<b>77 HUMANITARIAN DEMINING</b>	<b>8,515</b>	<b>17,000</b>	<b>8,485</b>
Program increase		8,485	
<b>78 ARMY MISSILE DEFENSE SYSTEMS INTEGRATION</b>	<b>11,062</b>	<b>34,062</b>	<b>23,000</b>
Program increase		15,000	
Program increase - gun launched interceptors		8,000	
<b>80 AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING</b>	<b>26,482</b>	<b>25,082</b>	<b>-1,400</b>
Program increase - machine learning for integrated fires		5,000	
Excess support costs		-6,400	
<b>81 LANDMINE WARFARE AND BARRIER - ADV DEV</b>	<b>64,092</b>	<b>61,858</b>	<b>-2,234</b>
Program increase - M58 mine clearing line charge		2,000	
Excess carryover		-4,234	

R-1		Budget Request	Committee Recommended	Change from Request
86	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - AD MDSS sensor development early to need	194,775	170,025 -24,750	-24,750
88	ENVIRONMENTAL QUALITY TECHNOLOGY Program increase - high pressure waterjet technology	13,387	18,387 5,000	5,000
90	AVIATION - ADV DEV Program increase - FLRAA Program increase - model-based systems engineering	647,937	672,937 20,000 5,000	25,000
94	ROBOTICS DEVELOPMENT Excess testing and evaluation growth	121,207	114,792 -6,415	-6,415
100	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM Program increase - next generation secure waveform Program increase - unmanned aerial vehicle fuel systems enhancements	40,083	57,083 15,000 2,000	17,000
103	MANEUVER - SHORT RANGE AIR DEFENSE (M-SHORAD) Testing accounted for in procurement	4,995	0 -4,995	-4,995
105	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING Program increase - maneuverable lightweight electric weight reducer Insufficient justification	170,490	165,490 5,000 -10,000	-5,000
106	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT) Program increase - inertial navigation systems	128,125	138,125 10,000	10,000
109	HYPERSONICS Program increase	801,417	811,417 10,000	10,000
111	FUTURE INTERCEPTOR Undefined requirement	7,992	0 -7,992	-7,992
118	AIRCRAFT AVIONICS Program increase - high frequency aircraft avionics	2,764	7,264 4,500	4,500
119	ELECTRONIC WARFARE DEVELOPMENT MFEW developmental test flight ahead of need	62,426	59,026 -3,400	-3,400
121	INFANTRY SUPPORT WEAPONS Program increase - turret gunner survivability and simulation environment Program increase - cannon life extension program FM4 NGSW ahead of need S64 CROWS insufficient justification	91,574	74,934 4,000 1,500 -20,641 -1,499	-16,640

R-1		Budget Request	Committee Recommended	Change from Request
128	NIGHT VISION SYSTEMS - SDD BQ6 excess test funding L70 excess to need	61,445	50,611 -2,800 -8,034	-10,834
138	WEAPONS AND MUNITIONS - SDD Program increase - low cost extended range artillery Program increase - 30mm guided proximity air burst ammunition	265,811	298,811 21,000 12,000	33,000
139	LOGISTICS AND ENGINEER EQUIPMENT - SDD Program increase - mobile camouflage net systems 194 excess support costs	49,694	56,344 8,000 -1,350	6,650
143	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE EJ5 excess software growth EJ6 TROPO IOT&E ahead of need ER9 excess design and development request	162,513	143,233 -3,091 -7,860 -8,329	-19,280
146	FIREFINDER Excess carryover	20,008	16,808 -3,200	-3,200
148	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS - EMD Program increase - BFV active protection system Excess carryover	82,459	93,380 16,000 -5,079	10,921
149	ARTILLERY SYSTEMS Program increase - soft recoil artillery systems	11,611	36,611 25,000	25,000
150	INFORMATION TECHNOLOGY DEVELOPMENT FL9 unjustified request FM7 HRC core IT schedule discrepancy FM8 ATIS release 2 ahead of need	142,678	124,612 -5,987 -8,915 -3,164	-18,066
152	ARMORED MULTI-PURPOSE VEHICLE Army identified excess Excess carryover	96,594	59,666 -20,000 -16,928	-36,928
163	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER) Testing unjustified request	28,178	22,157 -6,021	-6,021
167	INDIRECT FIRE PROTECTION CAPABILITY INC 2-BLOCK 1 Army identified excess OTA ahead of need	235,770	118,470 -47,700 -69,600	-117,300
169	EMERGING TECHNOLOGY INITIATIVES Program increase - counter UAS directed energy prototype	294,739	304,739 10,000	10,000

R-1		Budget Request	Committee Recommended	Change from Request
175	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD) Program increase - counter emerging threats	193,929	198,929 5,000	5,000
176	MANNED GROUND VEHICLE Army identified excess Overestimation of need	327,732	229,500 -83,232 -15,000	-98,232
183	ELECTRONIC WARFARE DEVELOPMENT TLS Phase 2 ahead of need	55,855	20,250 -35,605	-35,605
187	MAJOR T&E INVESTMENT Program increase - major operational test instrumentation Program increase - radio frequency threat systems emulator for rotary wing aircraft	106,270	123,110 11,840 5,000	16,840
190	CONCEPTS EXPERIMENTATION PROGRAM CDID excess growth	54,898	51,079 -3,819	-3,819
192	ARMY TEST RANGES AND FACILITIES Program increase - integrated directed energy testing	350,359	365,359 15,000	15,000
193	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS Program increase - cyber space threats	48,475	53,475 5,000	5,000
200	ARMY EVALUATION CENTER Insufficient justification	63,141	56,827 -6,314	-6,314
202	PROGRAMWIDE ACTIVITIES M47 GVSC excess to need M23 ERDC excess request	87,472	80,418 -3,704 -3,350	-7,054
204	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY Program increase - industrial base resiliency initiative Program increase - polymer case ammunition Excess carryover	40,133	47,113 8,000 5,000 -6,020	6,980
219	LONG RANGE PRECISION FIRES (LRPF) Army identified excess Excess engineering support	122,733	104,625 -14,798 -3,310	-18,108
222	CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM Program increase - carbon composite materials for helicopter wheels and brakes	46,091	51,091 5,000	5,000
224	IMPROVED TURBINE ENGINE PROGRAM Excess to requirement	249,257	224,257 -25,000	-25,000



R-1		Budget Request	Committee Recommended	Change from Request
226	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	7,743	19,743	12,000
	Program increase - scalable control interface		7,000	
	Program increase - micro identification friend or foe transmitters		5,000	
233	COMBAT VEHICLE IMPROVEMENT PROGRAMS	268,919	249,502	-19,417
	HERCULES excess to requirement		-10,750	
	CROWS-J program delay		-5,667	
	Bradley excess carryover		-3,000	
234	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	427,254	420,963	-6,291
	Prior year carryover		-6,291	
239	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAM	79,424	76,174	-3,250
	ATACMS excess support and test costs		-3,250	
244	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	166	0	-166
	Prior year carryover		-166	
264	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	61,012	106,012	45,000
	Program increase - functional fabrics and smart textiles		10,000	
	Program increase - nanoscale materials manufacturing		10,000	
	Program increase - compact efficient rotary engine		10,000	
	Program increase - lightweight high efficiency generators		10,000	
	Program increase - glass separators for lithium batteries		5,000	
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-35,669	-35,669

## SHOULDER LAUNCHED MUNITIONS

The Committee is concerned about the increased weight carried by soldiers while utilizing shoulder launched munitions. The Secretary of the Army is encouraged to consider employing mature shoulder fired weapons technology which can address threats in a defilade position. Additionally, the Committee directs the Secretary of the Army to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act detailing the Army's shoulder launched munitions procurement strategy.

## ADVANCED MANUFACTURING CENTER OF EXCELLENCE

The Committee commends the Army for establishing a Center of Excellence for Advanced Manufacturing. The National Defense Authorization Act for Fiscal Year 2019 required the Under Secretary of Defense (Acquisition and Sustainment) and the Under Secretary of Defense (Research and Engineering) to work with each of the Service Secretaries to establish activities that demonstrate advanced manufacturing techniques and capabilities at depot-level activities or military arsenal facilities. The Committee continues to be supportive of this effort and directs the Secretary of Defense to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act providing further detail on the activities that have been identified by each Service.

## DENGUE VACCINE DEVELOPMENT

Exposure to the dengue virus continues to be one of the largest infectious disease threats facing the military. The impact of dengue infection on troop health in multiple military operations, combined with the continually expanding global endemic range makes the lack of an effective tetravalent dengue vaccine an urgent issue. The Committee encourages the Commanding General, United States Army Medical Research and Development Command, to prioritize the research and development of such a vaccine in order to reduce the threat of dengue infection.

## ARMY ARTIFICIAL INTELLIGENCE INNOVATION INSTITUTE

The Committee supports the Army Research Laboratory's (ARL) Army Artificial Intelligence Innovation Institute (A2I2) and its support of ARL's various essential research programs. The A2I2 initiative seeks to accelerate innovation in areas such as artificial intelligence and machine and deep learning technologies that will be critical to the success of future Army missions. The Committee recommendation includes an additional \$20,000,000 to support these efforts and expects the additional funds to remain under the purview of ARL.

## FUTURE LONG-RANGE ASSAULT AIRCRAFT

The Committee continues to support the Future Long-Range Assault Aircraft (FLRAA) program and notes it remains a top Army modernization priority. The 2020 Army Aviation Strategic Plan and Modernization Roadmap notes that, as a result of the funding provided in the Department of Defense Appropriations Act, 2020, the

Army has been able to accelerate the FLRAA program by four years. To continue supporting this acceleration effort, the Committee recommendation includes an additional \$20,000,000 for robust risk-mitigation efforts. The Committee expects these additional resources to be used to advance the program and shorten the time required to achieve Milestone B of the acquisition process.

#### FUTURE VERTICAL LIFT SENSOR PAYLOADS

The Committee is concerned that the Army has not clearly defined the acquisition strategy for Future Vertical Lift (FVL) mission equipment payloads and sensors. Due to the accelerated FVL schedule and the desire for high technology readiness level sensor payloads, the Army risks fielding advanced aircraft platforms equipped with outdated payloads that will not meet desired operational capabilities. Therefore, the Committee directs the Secretary of the Army to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act, on FVL mission equipment payloads and sensors. The report shall include the acquisition strategy for FVL mission equipment payloads and sensors, including radar, electronic warfare, 360 distributed aperture system, missile warning system, and advanced electro-optical infrared system; planned risk reduction activities for the sensor payloads; and an estimate of the cost and schedule for the development and production of the required sensor payloads.

#### ARMY COMMAND POST

The Committee supports the development of advanced materials and technologies in support of the next generation command post and the expeditionary maneuver support mission for a more mobile and protected forward deployed unit.

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

Fiscal year 2020 appropriation .....	\$20,155,115,000
Fiscal year 2021 budget request .....	21,427,048,000
Committee recommendation .....	20,165,874,000
Change from budget request .....	-1,261,174,000

The Committee recommends an appropriation of \$20,165,874,000 for Research, Development, Test and Evaluation, Navy which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY			
BASIC RESEARCH			
1 UNIVERSITY RESEARCH INITIATIVES.....	116,816	136,816	+20,000
2 IN-HOUSE LABORATORY INDEPENDENT RESEARCH.....	19,113	19,113	---
3 DEFENSE RESEARCH SCIENCES.....	467,158	482,984	+15,826
TOTAL, BASIC RESEARCH.....	603,087	638,913	+35,826
APPLIED RESEARCH			
4 POWER PROJECTION APPLIED RESEARCH.....	17,792	22,792	+5,000
5 FORCE PROTECTION APPLIED RESEARCH.....	122,281	161,781	+39,500
6 MARINE CORPS LANDING FORCE TECHNOLOGY.....	50,623	55,623	+5,000
7 COMMON PICTURE APPLIED RESEARCH.....	48,001	44,724	-3,277
8 WARFIGHTER SUSTAINMENT APPLIED RESEARCH.....	67,765	84,255	+16,490
9 ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH.....	84,994	87,994	+3,000
10 OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH.....	63,392	78,392	+15,000
11 JOINT NON-LETHAL WEAPONS APPLIED RESEARCH.....	6,343	6,343	---
12 UNDERSEA WARFARE APPLIED RESEARCH.....	56,397	71,397	+15,000
13 FUTURE NAVAL CAPABILITIES APPLIED RESEARCH.....	167,590	170,724	+3,134
14 MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH.....	30,715	33,215	+2,500
15 INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH....	160,537	147,813	-12,724
16 SCIENCE AND TECHNOLOGY MANAGEMENT - ONR HEADQUARTERS..	76,745	76,745	---
TOTAL, APPLIED RESEARCH.....	953,175	1,041,798	+88,623
ADVANCED TECHNOLOGY DEVELOPMENT			
17 FORCE PROTECTION ADVANCED TECHNOLOGY.....	24,410	24,410	---
18 ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY.....	8,008	8,008	---
19 MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)..	219,045	207,692	-11,353
20 JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT.....	13,301	13,301	---
21 FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV.....	246,054	228,159	-17,895
22 MANUFACTURING TECHNOLOGY PROGRAM.....	60,122	60,122	---
23 WARFIGHTER PROTECTION ADVANCED TECHNOLOGY.....	4,851	29,151	+24,300
24 NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS.....	40,709	40,709	---
25 MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY....	1,948	1,948	---
26 INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY..	141,948	157,786	+15,838
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	760,396	771,286	+10,890

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
27 DEMONSTRATION & VALIDATION MEDIUM AND LARGE UNMANNED SURFACE VEHICLES (USVS).....	464,042	259,242	-204,800
28 AIR/OCEAN TACTICAL APPLICATIONS.....	35,386	35,386	---
29 AVIATION SURVIVABILITY.....	13,428	13,428	---
30 NAVAL CONSTRUCTION FORCES.....	2,350	2,350	---
31 AIRCRAFT SYSTEMS.....	418	418	---
32 ASW SYSTEMS DEVELOPMENT.....	15,719	18,719	+3,000
33 TACTICAL AIRBORNE RECONNAISSANCE.....	3,411	3,411	---
34 ADVANCED COMBAT SYSTEMS TECHNOLOGY.....	70,218	66,661	-3,557
35 SURFACE AND SHALLOW WATER MINE COUNTERMEASURES.....	52,358	47,808	-4,550
36 SURFACE SHIP TORPEDO DEFENSE.....	12,816	11,816	-1,000
37 CARRIER SYSTEMS DEVELOPMENT.....	7,559	7,559	---
38 PILOT FISH.....	358,757	277,702	-81,055
39 RETRACT LARCH.....	12,562	12,562	---
40 RETRACT JUNIPER.....	148,000	148,000	---
41 RADIOLOGICAL CONTROL.....	778	778	---
42 SURFACE ASW.....	1,161	1,161	---
43 ADVANCED SUBMARINE SYSTEM DEVELOPMENT.....	185,356	156,746	-28,610
44 SUBMARINE TACTICAL WARFARE SYSTEMS.....	10,528	10,528	---
45 SHIP CONCEPT ADVANCED DESIGN.....	126,396	113,260	-13,136
46 SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES.....	70,270	65,270	-5,000
47 ADVANCED NUCLEAR POWER SYSTEMS.....	149,188	149,188	---
48 ADVANCED SURFACE MACHINERY SYSTEMS.....	38,449	50,699	+12,250
49 CHALK EAGLE.....	71,181	71,181	---
50 LITTORAL COMBAT SHIP (LCS).....	32,178	42,178	+10,000
51 COMBAT SYSTEM INTEGRATION.....	17,843	17,843	---
52 SSBN NEW DESIGN.....	317,196	306,682	-10,514
53 LITTORAL COMBAT SHIP (LCS) MISSION MODULES.....	67,875	67,875	---
54 AUTOMATED TEST AND RE-TEST.....	4,797	34,797	+30,000
55 FRIGATE DEVELOPMENT.....	82,309	82,309	---
56 CONVENTIONAL MUNITIONS.....	9,922	9,922	---
57 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM.....	189,603	132,664	-56,939
58 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	43,084	43,084	---
59 OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT.....	6,346	6,346	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
60 ENVIRONMENTAL PROTECTION.....	20,601	20,601	---
61 NAVY ENERGY PROGRAM.....	23,422	38,422	+15,000
62 FACILITIES IMPROVEMENT.....	4,664	4,664	---
63 CHALK CORAL.....	545,763	426,577	-119,186
64 NAVY LOGISTIC PRODUCTIVITY.....	3,884	3,884	---
65 RETRACT MAPLE.....	353,226	297,685	-55,541
66 LINK PLUMERIA.....	544,388	470,448	-73,940
67 RETRACT ELM.....	86,730	86,730	---
68 LINK EVERGREEN.....	236,234	201,984	-34,250
70 NATO RESEARCH AND DEVELOPMENT.....	6,880	4,849	-2,031
71 LAND ATTACK TECHNOLOGY.....	10,578	10,578	---
72 JOINT NONLETHAL WEAPONS TESTING.....	28,435	28,435	---
73 JOINT PRECISION APPROACH AND LANDING SYSTEMS.....	33,612	33,612	---
74 DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS.....	128,845	126,895	-1,950
75 F/A-18 INFRARED SEARCH AND TRACK (IRST).....	84,190	84,190	---
76 DIGITAL WARFARE.....	54,699	35,975	-18,724
77 SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES.....	53,942	52,020	-1,922
78 UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES.....	40,060	40,060	---
79 RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION.....	12,100	12,100	---
80 LARGE UNMANNED UNDERSEA VEHICLES.....	78,122	45,557	-32,565
81 GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER.....	107,895	104,895	-3,000
82 AIRBORNE MINE COUNTERMEASURES.....	17,366	17,966	+600
83 SURFACE MINE COUNTERMEASURES.....	18,754	18,754	---
84 TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES.....	59,776	52,026	-7,750
85 EXPEDITIONARY LOGISTICS.....	---	2,000	+2,000
86 FUTURE VERTICAL LIFT (MARITIME STRIKE).....	5,097	5,097	---
87 RAPID TECHNOLOGY CAPABILITY PROTOTYPE.....	3,664	1,064	-2,600
88 LX (R).....	10,203	10,203	---
89 ADVANCED UNDERSEA PROTOTYPING.....	115,858	80,232	-35,626
90 COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS).....	14,259	9,628	-4,631
91 PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM.....	1,102,387	1,052,792	-49,595
92 SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINE..	7,657	6,208	-1,449
93 OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT.....	35,750	46,750	+11,000
94 ASW SYSTEMS DEVELOPMENT - MIP.....	9,151	9,151	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
95 ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM.....	22,589	34,013	+11,424
97 ELECTRONIC WARFARE DEVELOPMENT - MIP.....	809	809	---
TOTAL, DEMONSTRATION & VALIDATION.....	6,503,074	5,744,427	-758,647
ENGINEERING & MANUFACTURING DEVELOPMENT			
98 TRAINING SYSTEM AIRCRAFT.....	4,332	4,332	---
99 OTHER HELO DEVELOPMENT.....	18,133	14,063	-4,070
100 AV-8B AIRCRAFT - ENG DEV.....	20,054	16,749	-3,305
101 STANDARDS DEVELOPMENT.....	4,237	4,237	---
102 MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT.....	27,340	32,340	+5,000
104 P-3 MODERNIZATION PROGRAM.....	806	606	---
105 WARFARE SUPPORT SYSTEM.....	9,065	14,982	+5,917
106 TACTICAL COMMAND SYSTEM.....	97,968	89,186	-8,782
107 ADVANCED HAWKEYE.....	309,373	292,175	-17,198
108 H-1 UPGRADES.....	62,310	53,960	-8,350
109 ACOUSTIC SEARCH SENSORS.....	47,182	47,182	---
110 V-22A.....	132,624	132,624	---
111 AIR CREW SYSTEMS DEVELOPMENT.....	21,445	21,445	---
112 EA-18.....	106,134	106,134	---
113 ELECTRONIC WARFARE DEVELOPMENT.....	134,194	128,684	-5,510
114 EXECUTIVE HELO DEVELOPMENT.....	99,321	93,255	-6,066
115 NEXT GENERATION JAMMER (NGJ).....	477,680	447,152	-30,528
116 JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY).....	232,818	234,180	+1,362
117 NEXT GENERATION JAMMER (NGJ) INCREMENT II.....	170,039	154,496	-15,543
118 SURFACE COMBATANT COMBAT SYSTEM ENGINEERING.....	403,712	365,019	-38,693
119 LPD-17 CLASS SYSTEMS INTEGRATION.....	945	945	---
120 SMALL DIAMETER BOMB (SDB).....	62,488	44,630	-17,858
121 STANDARD MISSILE IMPROVEMENTS.....	386,225	343,200	-43,025
122 AIRBORNE MCM.....	10,909	10,909	---
123 NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR SYSTEMS ENG.	44,548	42,160	-2,388
124 ADVANCED SENSORS APPLICATION PROGRAM (ASAP).....	13,673	1,000	-12,673
125 ADVANCED ABOVE WATER SENSORS.....	87,809	71,449	-16,360
126 SSN-688 AND TRIDENT MODERNIZATION.....	93,097	90,897	-2,200
127 AIR CONTROL.....	38,863	38,863	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
128 SHIPBOARD AVIATION SYSTEMS.....	9,593	11,593	+2,000
129 COMBAT INFORMATION CENTER CONVERSION.....	12,718	11,718	-1,000
130 AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM.....	78,319	62,005	-16,314
131 ADVANCED ARRESTING GEAR (AAG).....	65,834	65,834	---
132 NEW DESIGN SSN.....	259,443	259,443	---
133 SUBMARINE TACTICAL WARFARE SYSTEM.....	63,878	63,878	---
134 SHIP CONTRACT DESIGN/LIVE FIRE T&E.....	51,853	56,263	+4,410
135 NAVY TACTICAL COMPUTER RESOURCES.....	3,853	3,853	---
136 MINE DEVELOPMENT.....	92,607	83,505	-9,102
137 LIGHTWEIGHT TORPEDO DEVELOPMENT.....	146,012	124,250	-21,762
138 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT.....	8,383	8,383	---
139 USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS - ENG DEV..	33,784	23,744	-10,040
140 PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS....	8,599	7,269	-1,330
141 JOINT STANDOFF WEAPON SYSTEMS.....	73,744	62,744	-11,000
142 SHIP SELF DEFENSE (DETECT & CONTROL).....	157,490	153,095	-4,395
143 SHIP SELF DEFENSE (ENGAGE: HARD KILL).....	121,761	94,961	-26,800
144 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW).....	89,373	81,902	-7,471
145 INTELLIGENCE ENGINEERING.....	15,716	11,422	-4,294
146 MEDICAL DEVELOPMENT.....	2,120	39,620	+37,500
147 NAVIGATION/ID SYSTEM.....	50,180	50,180	---
148 JOINT STRIKE FIGHTER (JSF) - EMD.....	561	561	---
149 JOINT STRIKE FIGHTER (JSF).....	250	250	---
150 SSN(X).....	1,000	1,000	---
151 MARINE CORPS IT DEV/MOD.....	974	974	---
152 INFORMATION TECHNOLOGY DEVELOPMENT.....	356,173	340,431	-15,742
153 ANTI-TAMPER TECHNOLOGY SUPPORT.....	7,810	6,978	-832
154 CH-53K.....	406,406	406,406	---
155 MISSION PLANNING.....	86,134	82,980	-3,154
156 COMMON AVIONICS.....	54,540	54,540	---
157 SHIP TO SHORE CONNECTOR (SSC).....	5,155	12,655	+7,500
158 T-AD 205 CLASS.....	5,148	5,148	---
159 UNMANNED CARRIER AVIATION.....	266,970	256,970	-10,000
160 JOINT AIR-TO-GROUND MISSILE (JAGM).....	12,713	12,713	---
161 MULTI-MISSION MARITIME AIRCRAFT (MMA).....	24,424	29,424	+5,000



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
162 MULTI-MISSION MARITIME AIRCRAFT (MMA) INCREMENT 3.....	182,870	182,870	---
163 MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT AND DEMO.....	41,775	31,235	-10,540
164 JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT AND DEMO.....	2,541	2,541	---
165 DDG-1000.....	208,448	199,073	-9,375
169 TACTICAL CRYPTOLOGIC SYSTEMS.....	111,434	108,645	-2,789
170 CYBER OPERATIONS TECHNOLOGY DEVELOPMENT.....	26,173	25,098	-1,075
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	6,263,883	5,933,008	-330,875
171 RDT&E MANAGEMENT SUPPORT THREAT SIMULATOR DEVELOPMENT.....	22,075	22,075	---
172 TARGET SYSTEMS DEVELOPMENT.....	10,224	10,224	---
173 MAJOR T&E INVESTMENT.....	85,195	105,195	+20,000
175 STUDIES AND ANALYSIS SUPPORT - NAVY.....	3,089	3,089	---
176 CENTER FOR NAVAL ANALYSES.....	43,517	43,517	---
179 TECHNICAL INFORMATION SERVICES.....	932	932	---
180 MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT.....	94,297	104,297	+10,000
181 STRATEGIC TECHNICAL SUPPORT.....	3,813	3,813	---
183 RDT&E SHIP AND AIRCRAFT SUPPORT.....	104,822	104,822	---
184 TEST AND EVALUATION SUPPORT.....	446,960	419,212	-27,748
185 OPERATIONAL TEST AND EVALUATION CAPABILITY.....	27,241	25,207	-2,034
186 NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT.....	15,787	15,787	---
187 SEW SURVEILLANCE/RECONNAISSANCE SUPPORT.....	8,559	8,559	---
188 MARINE CORPS PROGRAM WIDE SUPPORT.....	42,749	42,749	---
189 MANAGEMENT HEADQUARTERS - R&D.....	41,094	41,094	---
190 WARFARE INNOVATION MANAGEMENT.....	37,022	33,171	-3,851
193 INSIDER THREAT.....	2,310	2,310	---
194 MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES).....	1,536	1,536	---
TOTAL, RDT&E MANAGEMENT SUPPORT.....	991,222	987,589	-3,633
199 OPERATIONAL SYSTEMS DEVELOPMENT HARPOON MODIFICATIONS.....	697	697	---
200 F-35 C2D2.....	379,549	388,249	+8,700
201 F-35 C2D2.....	413,875	413,875	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
202 COOPERATIVE ENGAGEMENT CAPABILITY (CEC).....	143,667	130,617	-13,050
204 STRATEGIC SUB & WEAPONS SYSTEM SUPPORT.....	173,056	129,260	-43,796
205 SSBN SECURITY TECHNOLOGY PROGRAM.....	45,970	45,970	---
206 SUBMARINE ACOUSTIC WARFARE DEVELOPMENT.....	69,190	52,049	-17,141
207 NAVY STRATEGIC COMMUNICATIONS.....	42,277	39,777	-2,500
208 F/A-18 SQUADRONS.....	171,030	183,084	+12,054
210 SURFACE SUPPORT.....	33,482	33,482	---
211 TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC) ..	200,308	200,308	---
212 INTEGRATED SURVEILLANCE SYSTEM.....	102,975	97,442	-5,533
213 SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS.....	10,873	10,873	---
214 AMPHIBIOUS TACTICAL SUPPORT UNITS.....	1,713	1,713	---
215 GROUND/AIR TASK ORIENTED RADAR.....	22,205	22,205	---
216 CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT.....	83,956	75,756	-8,200
218 ELECTRONIC WARFARE (EW) READINESS SUPPORT.....	56,791	49,972	-6,819
219 HARM IMPROVEMENT.....	146,166	161,166	+15,000
221 SURFACE ASW COMBAT SYSTEM INTEGRATION.....	29,348	29,348	---
222 MK-48 ADCAP.....	110,349	108,209	-2,140
223 AVIATION IMPROVEMENTS.....	133,953	127,980	-5,973
224 OPERATIONAL NUCLEAR POWER SYSTEMS.....	110,313	110,313	---
225 MARINE CORPS COMMUNICATIONS SYSTEMS.....	207,662	189,112	-18,550
226 COMMON AVIATION COMMAND AND CONTROL SYSTEM .....	4,406	4,406	---
227 MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS....	61,381	54,871	-6,510
228 MARINE CORPS COMBAT SERVICES SUPPORT.....	10,421	10,421	---
229 USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)....	29,977	29,977	---
230 AMPHIBIOUS ASSAULT VEHICLE.....	6,469	6,469	---
231 TACTICAL AIM MISSILES.....	5,859	5,859	---
232 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).....	44,323	40,869	-3,454
236 SATELLITE COMMUNICATIONS (SPACE).....	41,978	46,478	+4,500
237 CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES.....	29,684	29,684	---
238 INFORMATION SYSTEMS SECURITY PROGRAM.....	39,094	39,094	---
239 JOINT MILITARY INTELLIGENCE PROGRAMS.....	6,154	6,154	---
240 TACTICAL UNMANNED AERIAL VEHICLES.....	7,108	7,108	---
241 UAS INTEGRATION AND INTEROPERABILITY.....	62,098	62,098	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
242 DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS.....	21,500	21,500	---
244 MQ-4C TRITON.....	11,120	11,120	---
245 MQ-8 UAV.....	28,968	28,968	---
246 RQ-11 UAV.....	537	537	---
247 SMALL (LEVEL 0) TACTICAL UAS (STUASLO).....	8,773	8,773	---
248 RQ-21A.....	10,853	10,853	---
249 MULTI-INTELLIGENCE SENSOR DEVELOPMENT.....	60,413	60,413	---
250 UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (HIP).....	5,000	5,000	---
251 CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT.....	34,967	34,967	---
252 RQ-4 MODERNIZATION.....	178,799	178,799	---
253 INTELLIGENCE MISSION DATA (IMD).....	2,120	---	-2,120
254 MODELING AND SIMULATION SUPPORT.....	8,683	8,683	---
255 DEPOT MAINTENANCE (NON-IF).....	45,168	50,168	+5,000
256 MARITIME TECHNOLOGY (MARITECH).....	6,697	6,697	---
257 SATELLITE COMMUNICATIONS (SPACE).....	70,056	67,665	-2,391
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	3,532,011	3,439,088	-92,923
9999 CLASSIFIED PROGRAMS.....	1,795,032	1,798,032	+3,000
258 RISK MANAGEMENT INFORMATION - SOFTWARE PILOT PROGRAM..	14,300	14,300	---
MARITIME TACTICAL COMMAND AND CONTROL (MTC2) -			
259 SOFTWARE PILOT PROGRAM.....	10,868	10,868	---
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-213,435	-213,435
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION,			
NAVY.....	21,427,048	20,165,874	-1,261,174

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

<b>R-1</b>	<b>Budget Request</b>	<b>Committee Recommended</b>	<b>Change from Request</b>
<b>1 UNIVERSITY RESEARCH INITIATIVES</b>	<b>116,816</b>	<b>136,816</b>	<b>20,000</b>
Program increase - university research initiatives		10,000	
Program increase - defense university research instrumentation program		10,000	
<b>3 DEFENSE RESEARCH SCIENCES</b>	<b>467,158</b>	<b>482,984</b>	<b>15,826</b>
Mathematics, computer, and information sciences unjustified growth		-4,174	
Program increase - defense research sciences		15,000	
Program increase - silicon-germanium-tin alloy research		5,000	
<b>4 POWER PROJECTION APPLIED RESEARCH</b>	<b>17,792</b>	<b>22,792</b>	<b>5,000</b>
Program increase - miniaturization of lasers		5,000	
<b>5 FORCE PROTECTION APPLIED RESEARCH</b>	<b>122,281</b>	<b>161,781</b>	<b>39,500</b>
Program increase - direct air capture and blue carbon removal technology		7,500	
Program increase - navy power and energy systems technology		6,000	
Program increase - power generation and storage research		5,000	
Program increase - data-model fusion		3,000	
Program increase - UAVs in austere environments		7,000	
Program increase - coastal environmental research		5,000	
Program increase - advanced energetics research		4,000	
Program increase - machine discovery and learning		2,000	
<b>6 MARINE CORPS LANDING FORCE TECHNOLOGY</b>	<b>50,623</b>	<b>55,623</b>	<b>5,000</b>
Program increase - unmanned logistics solutions		5,000	
<b>7 COMMON PICTURE APPLIED RESEARCH</b>	<b>48,001</b>	<b>44,724</b>	<b>-3,277</b>
Applied information sciences for decision making excess growth		-3,277	
<b>8 WARFIGHTER SUSTAINMENT APPLIED RESEARCH</b>	<b>67,765</b>	<b>84,255</b>	<b>16,490</b>
Surveillance technology excess growth		-1,010	
Program increase - health and safety research of underground fuel storage facilities		5,000	
Program increase - humanoid robotics in unstructured environments		5,000	
Program increase - human performance and injury rehabilitation assessment tool		2,500	
Program increase - force health protection and application		5,000	
<b>9 ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH</b>	<b>84,994</b>	<b>87,994</b>	<b>3,000</b>
Program increase - navigation technology		3,000	

R-1	Budget Request	Committee Recommended	Change from Request
OCEAN WARFIGHTING ENVIRONMENT APPLIED			
10 RESEARCH	63,392	78,392	15,000
Program increase - task force ocean		10,000	
Program increase - naval special warfare		5,000	
12 UNDERSEA WARFARE APPLIED RESEARCH	56,397	71,397	15,000
Program increase - undersea sensing and communications		5,000	
Program increase - cross domain autonomy for persistent maritime operations		10,000	
13 FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	167,590	170,724	3,134
Sea warfare and weapons excess growth		-2,461	
Warfighter performance excess growth		-2,405	
Program increase - cooperative engagement capability mission based networking for data distribution systems		3,000	
Program increase - improved detection of submarine threats		5,000	
MINE AND EXPEDITIONARY WARFARE APPLIED			
14 RESEARCH	30,715	33,215	2,500
Program increase - robotics for mine neutralization		2,500	
INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED			
15 RESEARCH	160,537	147,813	-12,724
CLAWS unjustified growth		-4,988	
Full spectrum undersea warfare unjustified request		-11,736	
Program increase - thermoplastic composites for lightweight naval applications		4,000	
MARINE CORPS ADVANCED TECHNOLOGY			
19 DEMONSTRATION (ATD)	219,045	207,692	-11,353
Command, control, communications, computers excess growth		-9,299	
Combat service support and force protection excess growth		-7,054	
Program increase - expeditionary process, exploitation, and dissemination		5,000	
FUTURE NAVAL CAPABILITIES ADVANCED			
21 TECHNOLOGY DEV	246,054	228,159	-17,895
Expeditionary maneuver warfare excess growth		-11,557	
Long endurance airborne platform decoy concurrency		-4,818	
DECAF unjustified request		-6,520	
Program increase - advanced energetics research		5,000	
23 WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	4,851	29,151	24,300
Program increase - bone marrow registry program		24,300	
INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED			
26 TECHNOLOGY	141,948	157,786	15,838
HIJENKS concurrency		-2,162	
Long range targeting concurrency		-2,000	
Program increase - electromagnetic railgun		20,000	

R-1	Budget Request	Committee Recommended	Change from Request
<b>27 MEDIUM AND LARGE UNMANNED SURFACE VEHICLES</b>	<b>464,042</b>	<b>259,242</b>	<b>-204,800</b>
LUSV additional prototypes		-159,300	
Unmanned surface vehicle enabling capabilities - payload program reduction		-45,500	
<b>32 ASW SYSTEMS DEVELOPMENT</b>	<b>15,719</b>	<b>18,719</b>	<b>3,000</b>
Program increase		3,000	
<b>34 ADVANCED COMBAT SYSTEMS TECHNOLOGY</b>	<b>70,218</b>	<b>66,661</b>	<b>-3,557</b>
LOCUST fixed wing tests funding early to need		-1,338	
Advanced long range targeting funding early to need		-2,219	
<b>SURFACE AND SHALLOW WATER MINE</b>			
<b>35 COUNTERMEASURES</b>	<b>52,358</b>	<b>47,808</b>	<b>-4,550</b>
Barracuda schedule delays		-4,550	
<b>36 SURFACE SHIP TORPEDO DEFENSE</b>	<b>12,816</b>	<b>11,816</b>	<b>-1,000</b>
Torpedo warning systems funding excess to need		-1,000	
<b>38 PILOT FISH</b>	<b>358,757</b>	<b>277,702</b>	<b>-81,055</b>
Excess growth		-81,055	
<b>43 ADVANCED SUBMARINE SYSTEM DEVELOPMENT</b>	<b>185,356</b>	<b>156,746</b>	<b>-28,610</b>
Project 2033 strategic capability R&D infrastructure previously funded		-4,219	
Project 9710 unjustified new start		-33,391	
Program increase - workforce partnership research		5,000	
Program increase - improved CAVES technology		4,000	
<b>45 SHIP CONCEPT ADVANCED DESIGN</b>	<b>126,396</b>	<b>113,260</b>	<b>-13,136</b>
Historical underexecution		-6,636	
Cybersecurity previously funded		-1,500	
Next generation medium amphibious ship excess to need		-10,000	
Next generation medium logistics ship excess to need		-10,000	
Program increase - additive manufacturing		5,000	
Program increase - polymorphic build farm for open source technologies		10,000	
<b>46 SHIP PRELIMINARY DESIGN &amp; FEASIBILITY STUDIES</b>	<b>70,270</b>	<b>65,270</b>	<b>-5,000</b>
Future surface combatant concept development concurrency		-5,000	
<b>48 ADVANCED SURFACE MACHINERY SYSTEMS</b>	<b>38,449</b>	<b>50,699</b>	<b>12,250</b>
Historical underexecution		-2,250	
Power and energy systems contract award delay		-500	
Program increase - silicon carbide power modules		7,500	
Program increase - advanced power electronics integration		2,500	
Program increase - small boat electric propulsion		5,000	
<b>50 LITTORAL COMBAT SHIP (LCS)</b>	<b>32,178</b>	<b>42,178</b>	<b>10,000</b>
Program increase - defensive capability improvements		10,000	

R-1	Budget Request	Committee Recommended	Change from Request
<b>52 SSBN NEW DESIGN</b>	<b>317,196</b>	<b>306,682</b>	<b>-10,514</b>
CMC design and prototype historically overbudgeted		-10,514	
<b>54 AUTOMATED TEST AND RE-TEST</b>	<b>4,797</b>	<b>34,797</b>	<b>30,000</b>
Program increase		30,000	
<b>57 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM</b>	<b>189,603</b>	<b>132,664</b>	<b>-56,939</b>
Armored reconnaissance vehicle concurrency		-2,600	
Long range unmanned surface vehicle concurrency		-4,339	
Long range fires unjustified new start		-50,000	
<b>61 NAVY ENERGY PROGRAM</b>	<b>23,422</b>	<b>38,422</b>	<b>15,000</b>
Program increase		15,000	
<b>63 CHALK CORAL</b>	<b>545,763</b>	<b>426,577</b>	<b>-119,186</b>
Excess growth		-119,186	
<b>65 RETRACT MAPLE</b>	<b>353,226</b>	<b>297,685</b>	<b>-55,541</b>
Excess growth		-55,541	
<b>66 LINK PLUMERIA</b>	<b>544,388</b>	<b>470,448</b>	<b>-73,940</b>
Excess growth		-73,940	
<b>68 LINK EVERGREEN</b>	<b>236,234</b>	<b>201,984</b>	<b>-34,250</b>
Excess growth		-34,250	
<b>70 NATO RESEARCH AND DEVELOPMENT</b>	<b>6,880</b>	<b>4,849</b>	<b>-2,031</b>
Historical underexecution		-2,031	
<b>DIRECTED ENERGY AND ELECTRIC WEAPON</b>			
<b>74 SYSTEMS</b>	<b>128,845</b>	<b>126,895</b>	<b>-1,950</b>
HELCAAP concurrency		-6,950	
Program increase - high energy laser weapon system for counter-UAS area defense		5,000	
<b>76 DIGITAL WARFARE</b>	<b>54,699</b>	<b>35,975</b>	<b>-18,724</b>
Historical underexecution		-2,023	
Project 3255 excess growth		-9,979	
Project 3425 excess growth		-6,722	
<b>SMALL AND MEDIUM UNMANNED UNDERSEA</b>			
<b>77 VEHICLES</b>	<b>53,942</b>	<b>52,020</b>	<b>-1,922</b>
Small unmanned underwater vehicles concurrency		-1,922	
<b>80 LARGE UNMANNED UNDERSEA VEHICLES</b>	<b>78,122</b>	<b>45,557</b>	<b>-32,565</b>
Contract award early to need		-32,565	
<b>GERALD R. FORD CLASS NUCLEAR AIRCRAFT</b>			
<b>81 CARRIER</b>	<b>107,895</b>	<b>104,895</b>	<b>-3,000</b>
Integrated digital shipbuilding excess growth		-7,000	
Program increase - electronic personnel qualification standards system		4,000	

R-1	Budget Request	Committee Recommended	Change from Request
82 AIRBORNE MINE COUNTERMEASURES	17,366	17,966	600
Historical underexecution		-2,400	
Program increase - coastal battlefield reconnaissance and analysis		3,000	
TACTICAL AIR DIRECTIONAL INFRARED			
84 COUNTERMEASURES	59,776	52,026	-7,750
DAIRCM hardware development contract award delay		-7,750	
85 EXPEDITIONARY LOGISTICS	0	2,000	2,000
Program increase - automated parts screening and selection tool for additive manufacturing		2,000	
87 RAPID TECHNOLOGY CAPABILITY PROTOTYPE	3,664	1,064	-2,600
Historical underexecution		-2,600	
89 ADVANCED UNDERSEA PROTOTYPING	115,858	80,232	-35,626
Test and evaluation delays		-35,626	
90 COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS)	14,259	9,628	-4,631
System development excess growth		-4,631	
PRECISION STRIKE WEAPONS DEVELOPMENT			
91 PROGRAM	1,102,387	1,052,792	-49,595
Conventional prompt global strike program management excess growth		-20,000	
Conventional prompt global strike initial integration efforts - transfer to line 165		-15,000	
Miniature air launched decoy historical underexecution		-8,600	
Advanced aerial refueling system lack of acquisition strategy		-5,995	
SPACE & ELECTRONIC WARFARE (SEW)			
92 ARCHITECTURE/ENGINE	7,657	6,208	-1,449
Historical underexecution		-1,449	
OFFENSIVE ANTI-SURFACE WARFARE WEAPON			
93 DEVELOPMENT	35,750	46,750	11,000
LRASM funds - Navy requested transfer from line 141		11,000	
95 ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	22,589	34,013	11,424
Historical underexecution		-2,576	
Program increase - KMAX experimentation and support		7,000	
Program increase - mobile unmanned/manned distributed lethality airborne network joint capability technology demonstration		7,000	
99 OTHER HELO DEVELOPMENT	18,133	14,063	-4,070
Historical underexecution		-2,250	
Attack and utility replacement aircraft hardware development early to need		-1,820	



R-1	Budget Request	Committee Recommended	Change from Request
<b>100 AV-8B AIRCRAFT - ENG DEV</b>	<b>20,054</b>	<b>16,749</b>	<b>-3,305</b>
Historical underexecution		-3,305	
<b>MULTI-MISSION HELICOPTER UPGRADE</b>			
<b>102 DEVELOPMENT</b>	<b>27,340</b>	<b>32,340</b>	<b>5,000</b>
Program increase - MH-60 obsolescence issues		5,000	
<b>105 WARFARE SUPPORT SYSTEM</b>	<b>9,065</b>	<b>14,982</b>	<b>5,917</b>
Historical underexecution		-1,083	
Program increase - COTS-based counter-UAV technology		5,000	
Program increase - diesel fuel outboard motor testing		2,000	
<b>106 TACTICAL COMMAND SYSTEM</b>	<b>97,968</b>	<b>89,186</b>	<b>-8,782</b>
NOBLE projects delay		-8,782	
<b>107 ADVANCED HAWKEYE</b>	<b>309,373</b>	<b>292,175</b>	<b>-17,198</b>
Sensors excess growth		-17,198	
<b>108 H-1 UPGRADES</b>	<b>62,310</b>	<b>53,960</b>	<b>-8,350</b>
Historical underexecution		-8,350	
<b>113 ELECTRONIC WARFARE DEVELOPMENT</b>	<b>134,194</b>	<b>128,684</b>	<b>-5,510</b>
Historical underexecution		-6,397	
Adaptive radar countermeasures delays		-3,230	
Dual band decoy risk reduction early to need		-6,883	
Program increase - intrepid tiger II		11,000	
<b>114 EXECUTIVE HELO DEVELOPMENT</b>	<b>99,321</b>	<b>93,255</b>	<b>-6,066</b>
VH-92A product improvement development unjustified growth		-3,097	
VH-92A improvements test and evaluation excess growth		-2,969	
<b>115 NEXT GENERATION JAMMER (NGJ)</b>	<b>477,680</b>	<b>447,152</b>	<b>-30,528</b>
Historical underexecution		-29,199	
Trainer early to need		-1,329	
<b>116 JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)</b>	<b>232,818</b>	<b>234,180</b>	<b>1,362</b>
ATDLS integration delays		-2,638	
Program increase - multifunctional information distribution system acceleration		4,000	
<b>117 NEXT GENERATION JAMMER (NGJ) INCREMENT II</b>	<b>170,039</b>	<b>154,496</b>	<b>-15,543</b>
Historical underexecution		-11,118	
Primary hardware development contract delay		-4,425	
<b>SURFACE COMBATANT COMBAT SYSTEM</b>			
<b>118 ENGINEERING</b>	<b>403,712</b>	<b>365,019</b>	<b>-38,693</b>
Aegis development support excess growth		-7,159	
Aegis capability build 2023-1 excess to need		-31,534	
<b>120 SMALL DIAMETER BOMB (SDB)</b>	<b>62,488</b>	<b>44,630</b>	<b>-17,858</b>
Historical underexecution		-17,858	

R-1	Budget Request	Committee Recommended	Change from Request
<b>121 STANDARD MISSILE IMPROVEMENTS</b>	<b>386,225</b>	<b>343,200</b>	<b>-43,025</b>
Historical underexecution		-4,550	
SM-6 Block 1B schedule delays and concurrency		-38,475	
<b>NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR</b>			
<b>123 SYSTEMS ENG</b>	<b>44,548</b>	<b>42,160</b>	<b>-2,388</b>
Historical underexecution		-2,388	
<b>124 ADVANCED SENSORS APPLICATION PROGRAM</b>	<b>13,673</b>	<b>1,000</b>	<b>-12,673</b>
Unjustified new start		-12,673	
<b>125 ADVANCED ABOVE WATER SENSORS</b>	<b>87,809</b>	<b>71,449</b>	<b>-16,360</b>
Shipboard passive electro-optical infrared development concurrency		-16,360	
<b>126 SSN-688 AND TRIDENT MODERNIZATION</b>	<b>93,097</b>	<b>90,897</b>	<b>-2,200</b>
Historical underexecution		-2,200	
<b>128 SHIPBOARD AVIATION SYSTEMS</b>	<b>9,593</b>	<b>11,593</b>	<b>2,000</b>
Program increase - fleet strike group aviation management		2,000	
<b>129 COMBAT INFORMATION CENTER CONVERSION</b>	<b>12,718</b>	<b>11,718</b>	<b>-1,000</b>
Historical underexecution		-1,000	
<b>130 AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM</b>	<b>78,319</b>	<b>62,005</b>	<b>-16,314</b>
Hardware production and sustainment early to need		-16,314	
<b>134 SHIP CONTRACT DESIGN/LIVE FIRE T&amp;E</b>	<b>51,853</b>	<b>56,263</b>	<b>4,410</b>
Historical underexecution		-2,590	
Program increase - DDG-51 advanced degaussing mine protection system		7,000	
<b>136 MINE DEVELOPMENT</b>	<b>92,607</b>	<b>83,505</b>	<b>-9,102</b>
Historical underexecution		-1,700	
Encapsulate effector program delays		-7,402	
<b>137 LIGHTWEIGHT TORPEDO DEVELOPMENT</b>	<b>146,012</b>	<b>124,250</b>	<b>-21,762</b>
Advanced anti-submarine lightweight torpedo program delays		-21,762	
<b>139 SYSTEMS - ENG DEV</b>	<b>33,784</b>	<b>23,744</b>	<b>-10,040</b>
Increment II program delays		-10,040	
<b>PERSONNEL, TRAINING, SIMULATION, AND HUMAN</b>			
<b>140 FACTORS</b>	<b>8,599</b>	<b>7,269</b>	<b>-1,330</b>
Historical underexecution		-1,330	
<b>141 JOINT STANDOFF WEAPON SYSTEMS</b>	<b>73,744</b>	<b>62,744</b>	<b>-11,000</b>
LRASM funds - Navy requested transfer to line 93		-11,000	
<b>142 SHIP SELF DEFENSE (DETECT &amp; CONTROL)</b>	<b>157,490</b>	<b>153,095</b>	<b>-4,395</b>
Historical underexecution		-4,395	

R-1	Budget Request	Committee Recommended	Change from Request
<b>143 SHIP SELF DEFENSE (ENGAGE: HARD KILL)</b>	<b>121,761</b>	<b>94,961</b>	<b>-26,800</b>
Project 0173 excess new starts		-26,800	
<b>144 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)</b>	<b>89,373</b>	<b>81,902</b>	<b>-7,471</b>
Project 3316 decoy development effort government engineering previously funded		-3,349	
SEWIP block 3 government engineering previously funded		-4,122	
<b>145 INTELLIGENCE ENGINEERING</b>	<b>15,716</b>	<b>11,422</b>	<b>-4,294</b>
Non-kinetic countermeasures support contract delays		-4,294	
<b>146 MEDICAL DEVELOPMENT</b>	<b>2,120</b>	<b>39,620</b>	<b>37,500</b>
Program increase - wound care research		10,000	
Program increase - military dental research		10,000	
Program increase - autonomous aerial technology for distributed logistics		7,500	
Program increase - ETEC enteric disease research		10,000	
<b>152 INFORMATION TECHNOLOGY DEVELOPMENT</b>	<b>356,173</b>	<b>340,431</b>	<b>-15,742</b>
Historical underexecution		-12,972	
NMMES-TR contract delays		-6,308	
NMMES-TR excess support growth		-6,462	
Program increase - cyber solutions for aviation systems and facilities		7,000	
Program increase - cyber innovations in classified environments		3,000	
<b>153 ANTI-TAMPER TECHNOLOGY SUPPORT</b>	<b>7,810</b>	<b>6,978</b>	<b>-832</b>
Historical underexecution		-832	
<b>155 MISSION PLANNING</b>	<b>86,134</b>	<b>82,980</b>	<b>-3,154</b>
STORM unjustified growth		-3,154	
<b>157 SHIP TO SHORE CONNECTOR (SSC)</b>	<b>5,155</b>	<b>12,655</b>	<b>7,500</b>
Program increase - naval hovercraft propulsion applications		7,500	
<b>159 UNMANNED CARRIER AVIATION</b>	<b>266,970</b>	<b>256,970</b>	<b>-10,000</b>
Air segment ESA excess to need		-10,000	
<b>161 MULTI-MISSION MARITIME AIRCRAFT (MMA)</b>	<b>24,424</b>	<b>29,424</b>	<b>5,000</b>
Program increase - small business technology insertion		5,000	
<b>MARINE CORPS ASSAULT VEHICLES SYSTEM</b>			
<b>163 DEVELOPMENT AND DEMO</b>	<b>41,775</b>	<b>31,235</b>	<b>-10,540</b>
Historical underexecution		-10,540	

R-1	Budget Request	Committee Recommended	Change from Request
<b>165 DDG-1000</b>	<b>208,448</b>	<b>199,073</b>	<b>-9,375</b>
Historical underexecution		-8,259	
Excess to need		-16,116	
Conventional prompt global strike initial integration efforts - transfer from line 91		15,000	
<b>169 TACTICAL CRYPTOLOGIC SYSTEMS</b>	<b>111,434</b>	<b>108,645</b>	<b>-2,789</b>
Historical underexecution		-2,789	
<b>170 CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</b>	<b>26,173</b>	<b>25,098</b>	<b>-1,075</b>
Historical underexecution		-1,075	
<b>173 MAJOR T&amp;E INVESTMENT</b>	<b>85,195</b>	<b>105,195</b>	<b>20,000</b>
Program increase - undersea range modernization		10,000	
Program increase - integrated sensor effectiveness test		10,000	
<b>MANAGEMENT, TECHNICAL &amp; INTERNATIONAL</b>			
<b>180 SUPPORT</b>	<b>94,297</b>	<b>104,297</b>	<b>10,000</b>
Program increase - printed circuit board executive agent		10,000	
<b>184 TEST AND EVALUATION SUPPORT</b>	<b>446,960</b>	<b>419,212</b>	<b>-27,748</b>
Navy requested transfer to OM,N line BSM1		-27,748	
<b>185 OPERATIONAL TEST AND EVALUATION CAPABILITY</b>	<b>27,241</b>	<b>25,207</b>	<b>-2,034</b>
OPTEVFOR support funding realignment not properly accounted		-2,034	
<b>190 WARFARE INNOVATION MANAGEMENT</b>	<b>37,022</b>	<b>33,171</b>	<b>-3,851</b>
Historical underexecution		-3,851	
<b>200 F-35 C2D2</b>	<b>379,549</b>	<b>388,249</b>	<b>8,700</b>
Program increase - advanced countermeasure dispenser system for F-35B		8,700	
<b>202 COOPERATIVE ENGAGEMENT CAPABILITY (CEC)</b>	<b>143,667</b>	<b>130,617</b>	<b>-13,050</b>
Historical underexecution		-8,673	
CEC cyber resiliency excess growth		-2,577	
FIRECAP unjustified new start		-1,800	
<b>204 STRATEGIC SUB &amp; WEAPONS SYSTEM SUPPORT</b>	<b>173,056</b>	<b>129,260</b>	<b>-43,796</b>
Historical underexecution		-10,932	
D5LE2 concurrency		-38,864	
Program increase - next generation strategic inertial measurement unit		6,000	
<b>206 SUBMARINE ACOUSTIC WARFARE DEVELOPMENT</b>	<b>69,190</b>	<b>52,049</b>	<b>-17,141</b>
Submarine torpedo defense system schedule slip		-4,764	
Compact rapid attack weapon concurrency		-12,377	
<b>207 NAVY STRATEGIC COMMUNICATIONS</b>	<b>42,277</b>	<b>39,777</b>	<b>-2,500</b>
Survivable airborne strategic communications excess growth		-2,500	

R-1	Budget Request	Committee Recommended	Change from Request
<b>208 F/A-18 SQUADRONS</b>	<b>171,030</b>	<b>183,084</b>	<b>12,054</b>
Multi-system integration/common tactical picture previously funded		-2,946	
Program increase - noise reduction research		2,000	
Program increase - beacon obsolescence issues		3,000	
Program increase - fifth generation sensor fusion study		10,000	
<b>212 INTEGRATED SURVEILLANCE SYSTEM</b>	<b>102,975</b>	<b>97,442</b>	<b>-5,533</b>
Historical underexecution		-2,615	
Deployable surveillance systems contract award delay		-2,918	
<b>216 CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT</b>	<b>83,956</b>	<b>75,756</b>	<b>-8,200</b>
Project 1427 unjustified new start		-8,200	
<b>218 ELECTRONIC WARFARE (EW) READINESS SUPPORT</b>	<b>56,791</b>	<b>49,972</b>	<b>-6,819</b>
Historical underexecution		-6,819	
<b>219 HARM IMPROVEMENT</b>	<b>146,166</b>	<b>161,166</b>	<b>15,000</b>
Program increase		15,000	
<b>222 MK-48 ADCAP</b>	<b>110,349</b>	<b>108,209</b>	<b>-2,140</b>
APB 7 development early to need		-2,140	
<b>223 AVIATION IMPROVEMENTS</b>	<b>133,953</b>	<b>127,980</b>	<b>-5,973</b>
Historical underexecution		-5,973	
<b>225 MARINE CORPS COMMUNICATIONS SYSTEMS</b>	<b>207,662</b>	<b>189,112</b>	<b>-18,550</b>
Project 2278 test and evaluation previously funded		-2,979	
Project 2278 increment 3 test and evaluation early to need		-21,871	
Program increase - L-MADIS systems		6,300	
<b>227 ARMS SYSTEMS</b>	<b>61,381</b>	<b>54,871</b>	<b>-6,510</b>
Historical underexecution		-6,510	
<b>ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE</b>			
<b>232 (AMRAAM)</b>	<b>44,323</b>	<b>40,869</b>	<b>-3,454</b>
Test and evaluation previously funded		-1,727	
System improvement program efforts failure to comply with congressional direction		-1,727	
<b>236 SATELLITE COMMUNICATIONS (SPACE)</b>	<b>41,978</b>	<b>46,478</b>	<b>4,500</b>
Program increase - Navy multiband terminal program interference mitigation technology test		4,500	
<b>253 INTELLIGENCE MISSION DATA (IMD)</b>	<b>2,120</b>	<b>0</b>	<b>-2,120</b>
Unjustified new start		-2,120	

R-1	Budget Request	Committee Recommended	Change from Request
<b>255 DEPOT MAINTENANCE (NON-IF)</b>	<b>45,168</b>	<b>50,168</b>	<b>5,000</b>
Program increase - defense industrial skills and technology training		5,000	
<b>257 SATELLITE COMMUNICATIONS (SPACE)</b>	<b>70,056</b>	<b>67,665</b>	<b>-2,391</b>
MUOS historical underexecution		-2,391	
<b>999 CLASSIFIED PROGRAMS</b>	<b>1,795,032</b>	<b>1,798,032</b>	<b>3,000</b>
Classified adjustment		3,000	
<b>UNDISTRIBUTED REDUCTION - EXCESS TO NEED</b>		<b>-213,435</b>	<b>-213,435</b>

## SMALL BUSINESS INNOVATION RESEARCH PROGRAM

The Small Business Innovation Research Program (SBIR) is designed to attract small technology companies to participate in federally sponsored research and development in order to enable advances in innovative technology disruption. Despite significant investment and acquisition preference for SBIR companies, there are few signs of creative disruptions. The failure of the Department of Defense to capitalize on SBIR investments and incorporate disruptive innovation is demonstrated by the repeated failure of the Navy to sufficiently resource the Automated Test and Retest (ATRT) program, which has produced transformative technology, including the ATRT/AEGIS Virtual Twin.

The Committee recommendation includes a total of \$34,797,000 for the ATRT program. Additionally, the Committee directs the Secretary of the Navy to adhere to SBIR law and use SBIR awardees to the greatest extent practicable, thus allowing and assisting SBIR awardees to commercialize technologies related to those developed under SBIR Phase I, II, and III awards.

## UNDERGROUND FUEL STORAGE TANK RESEARCH

The Committee is concerned with the safety of underground fuel storage tanks commonly used on military installations by the Department of Defense. The Committee encourages the Secretary of the Navy to conduct additional research on the safety of underground fuel storage tanks to mitigate any risks to drinking water supplies for military bases and surrounding communities. Research areas should focus on advanced techniques for measuring and controlling corrosion; improved testing, inspection, repair, and maintenance of tanks; cost-effective secondary containment technology; and groundwater monitoring and modeling.

## ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM

The Committee is encouraged by the development of technologies to provide secure and resilient battlefield networking capability referred to as the Mobile Unmanned/Manned Distributed Lethality Airborne Network Joint Capability Technology Demonstration project. The Committee encourages the Secretary of the Navy to continue development and deployment of this technology to provide an affordable capability with existing operational Department of Defense systems.

## INFRARED TELESCOPE TECHNOLOGY

The Committee recognizes the importance of infrared telescope technology for northern sky surveys in the short-wave infrared H and K bands, astrophysics observations, Earth orbital debris, and space traffic management research. The collection of critical stellar data supports future ground- and space-based defense systems. The Committee encourages the Secretary of the Navy to prioritize research for infrared telescope technology.

## ANTI-CORROSION NANOTECHNOLOGY

The Committee remains concerned about the high costs associated with fixing corrosion on Department of Defense platforms. The

military, and in particular the Navy, face complex threats in the Indo-Pacific region that require military equipment and infrastructure to be resilient and have maximum operational availability. The Committee urges the Chief of Naval Research to pursue lightweight, nanotechnology-based materials and coatings that provide high corrosion resistance in order to decrease the cost of corrosion and increase operational availability of military equipment and infrastructure.

#### OCEAN ACOUSTICS

The Committee recognizes that changes to ocean environments and coastlines will create new security concerns and that the Navy requires further research in ocean acoustics to be prepared to operate successfully and to monitor the changing environment. The Committee encourages the Secretary of the Navy to work with academia to develop the ocean monitoring capabilities necessary to understand the rapidly changing ocean.

#### FOREIGN OBJECT DAMAGE

The Committee recognizes the harmful and expensive effects of Foreign Object Damage (FOD) on tactical aircraft in the Department of Defense and commends the Naval Air Systems Command for attempting to reduce the number of these incidents. The Committee supports an integrated, modular approach to addressing this issue and supports continued research on the integration of a sensor and camera agnostic architecture within the Naval Air Systems Command to determine the best solution for FOD detection and mitigation. 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 on the number of incidents involving FOD in the last two years that have caused damage and the cost of fixing the damage; the process the Navy is taking to establish a FOD mitigation approach and architecture; and the cost avoidance associated with a comprehensive FOD mitigation architecture.

#### INTEGRATED POWER AND ENERGY SYSTEMS

The Committee recognizes that the Office of Naval Research is researching power and energy alternatives, including reviewing current ship design and de-risking of technologies for integrated power and energy systems to support future growth of electric pulse power demands of advanced electric mission loads. The Committee understands that as the Department of Defense moves towards a digital engineering paradigm, a research effort is required to make partner facilities compliant. It is vital to ensure facilities are upgraded to the classification standard they require. The Committee encourages the Secretary of the Navy to work with partner facilities to advance their integration into this new paradigm.

#### STERN TUBE SEALS

The Committee is aware of data indicating a higher than desired failure rate of stern tube seals on some classes of Navy ships. Many of these seals are failing prior to major maintenance inter-



vals when the ships are in dry dock for the scheduled replacement of such equipment. The premature failure of these seals while at sea can compromise the combat readiness of ships. The Committee encourages the Secretary of the Navy to partner with the appropriate shipyards and industry partners to design, prototype, and test new designs that are more durable, safe, and cost effective.

#### COASTAL ENVIRONMENTAL RESEARCH

The Committee understands the importance of the littoral region to Navy operations worldwide and believes that testing and 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.

#### NAVY ALTERNATIVE ENERGY RESEARCH

The Committee recognizes the need for additional research by the Navy in its efforts to create a more robust energy infrastructure, to reduce the cost of energy, and to increase energy security, reliability, and resiliency at Department of the Navy facilities and on naval platforms. A broader range of experimentation, prototyping, and development is necessary for future naval capabilities related to powering maritime systems, at-sea persistent surveillance and communications systems, and unmanned undersea vehicle charging.

The Committee encourages the Secretary of the Navy to partner with universities, affiliated research facilities, and other federal agencies to conduct research on electrical power intermittency, integrating renewable energy sources into the grid, energy storage, improved micro-grids, local generation of zero-carbon fuels, marine hydrokinetic energy converters for autonomous systems, tactical energy solutions, and the inspection and structural health monitoring of critical energy infrastructure.

#### INTERFERENCE MITIGATION TECHNOLOGY TEST AND VERIFICATION

The Committee encourages the Secretary of the Navy to establish an independent verification and validation center that uses modular, open source hardware that allows new technology to be developed, tested, and fielded in a very rapid manner.

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

Fiscal year 2020 appropriation .....	\$45,566,955,000
Fiscal year 2021 budget request .....	37,391,826,000
Committee recommendation .....	36,040,609,000
Change from budget request .....	– 1,351,217,000

The Committee recommends an appropriation of \$36,040,609,000 for Research, Development, Test and Evaluation, Air Force which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE			
1 BASIC RESEARCH			
DEFENSE RESEARCH SCIENCES.....	315,348	325,348	+10,000
2 UNIVERSITY RESEARCH INITIATIVES.....	161,861	186,861	+25,000
3 HIGH ENERGY LASER RESEARCH INITIATIVES.....	15,085	15,085	---
TOTAL, BASIC RESEARCH.....	492,294	527,294	+35,000
APPLIED RESEARCH			
4 FUTURE AF CAPABILITIES APPLIED RESEARCH.....	100,000	100,000	---
5 MATERIALS.....	140,781	180,281	+39,500
6 AEROSPACE VEHICLE TECHNOLOGIES.....	349,225	175,472	-173,753
7 HUMAN EFFECTIVENESS APPLIED RESEARCH.....	115,222	115,222	---
8 AEROSPACE PROPULSION.....	---	196,753	+196,753
9 AEROSPACE SENSORS.....	211,301	233,301	+22,000
11 SCIENCE AND TECHNOLOGY MANAGEMENT - MAJOR HEADQUARTERS	8,926	8,926	---
12 CONVENTIONAL MUNITIONS.....	132,425	132,425	---
13 DIRECTED ENERGY TECHNOLOGY.....	128,113	128,113	---
14 DOMINANT INFORMATION SCIENCES AND METHODS.....	178,668	208,668	+30,000
15 HIGH ENERGY LASER RESEARCH.....	45,088	50,088	+5,000
16 SPACE TECHNOLOGY.....	---	---	---
TOTAL, APPLIED RESEARCH.....	1,409,749	1,529,249	+119,500
ADVANCED TECHNOLOGY DEVELOPMENT			
17 AF FOUNDATIONAL DEVELOPMENT/DEMOS.....	103,280	---	-103,280
18 FUTURE AF INTEGRATED TECHNOLOGY DEMOS.....	157,619	20,000	-137,619
19 NEXT GEN PLATFORM DEV/DEMO.....	199,556	---	-199,556
20 PERSISTENT KNOWLEDGE, AWARENESS, & C2 TECH.....	102,276	---	-102,276
21 NEXT GEN EFFECTS DEV/DEMOS.....	215,817	---	-215,817
22 ADVANCED MATERIALS FOR WEAPON SYSTEMS.....	---	51,169	+51,169
23 SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T).....	---	16,933	+16,933
24 ADVANCED AEROSPACE SENSORS.....	---	35,338	+35,338
25 AEROSPACE TECHNOLOGY DEV/DEMO.....	---	103,130	+103,130
26 AEROSPACE PROPULSION AND POWER TECHNOLOGY.....	---	132,058	+132,058
27 ELECTRONIC COMBAT TECHNOLOGY.....	---	60,538	+60,538
28 ADVANCED SPACECRAFT TECHNOLOGY.....	---	57,268	+57,268
29 MAUI SPACE SURVEILLANCE SYSTEM (MSSS).....	---	12,090	+12,090

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
30 HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT...	---	31,725	+31,725
31 CONVENTIONAL WEAPONS TECHNOLOGY.....	---	206,232	+206,232
32 ADVANCED WEAPONS TECHNOLOGY.....	---	31,445	+31,445
33 MANUFACTURING TECHNOLOGY PROGRAM.....	---	110,401	+110,401
34 BATTLESPACE KNOWLEDGE DEVELOPMENT & DEMONSTRATION.....	---	58,221	+58,221
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	778,548	928,548	+148,000
38 ADVANCED COMPONENT DEVELOPMENT INTELLIGENCE ADVANCED DEVELOPMENT.....	4,320	4,320	---
39 COMBAT IDENTIFICATION TECHNOLOGY.....	26,396	26,396	---
40 NATO RESEARCH AND DEVELOPMENT.....	3,647	3,647	---
41 IBCM DLM/VAL.....	32,959	32,959	---
43 AIR FORCE WEATHER SERVICES RESEARCH.....	869	2,238	+1,369
44 ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS).....	302,323	252,323	-50,000
45 ADVANCED ENGINE DEVELOPMENT.....	636,495	666,495	+30,000
46 LONG RANGE STRIKE.....	2,848,410	2,848,410	---
47 DIRECTED ENERGY PROTOTYPING.....	20,964	20,964	---
48 HYPERSONICS PROTOTYPING.....	381,862	381,862	---
50 ADVANCED TECHNOLOGY AND SENSORS.....	24,747	24,747	---
51 NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP.....	76,417	76,417	---
52 TECHNOLOGY TRANSFER.....	3,011	3,011	---
53 HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM.....	52,921	52,921	---
54 CYBER RESILIENCY OF WEAPON SYSTEMS-ACS.....	69,783	69,783	---
55 DEPLOYMENT AND DISTRIBUTION ENTERPRISE R&D.....	25,835	25,835	---
56 TECH TRANSITION PROGRAM.....	219,252	222,952	+3,700
57 GROUND BASED STRATEGIC DETERRENT.....	1,524,759	1,464,759	-60,000
59 NEXT GENERATION AIR DOMINANCE.....	1,044,089	537,589	-506,500
60 THREE DIMENSIONAL LONG-RANGE RADAR.....	19,356	19,356	---
61 AIRBASE AIR DEFENSE SYSTEMS (ABADS).....	8,737	8,737	---
62 UNIFIED PLATFORM (UP).....	5,990	5,990	---
63 COMMON DATA LINK EXECUTIVE AGENT (CDL EA).....	39,293	39,293	---
65 MISSION PARTNER ENVIRONMENTS.....	11,430	11,430	---
66 CYBER OPERATIONS TECHNOLOGY DEVELOPMENT.....	259,823	259,823	---
67 ENABLED CYBER ACTIVITIES.....	10,560	10,560	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
68 C-32 EXECUTIVE TRANSPORT RECAPITALIZATION.....	9,908	7,808	-2,100
69 CONTRACTING INFORMATION TECHNOLOGY SYSTEM.....	8,662	5,672	-2,990
74 SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT).....	8,787	---	-8,787
77 SPACE SECURITY AND DEFENSE PROGRAM.....	56,311	---	-56,311
TOTAL, ADVANCED COMPONENT DEVELOPMENT.....	7,737,916	7,086,297	-651,619
ENGINEERING & MANUFACTURING DEVELOPMENT			
82 FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS.....	25,161	25,161	---
83 PNT RESILIENCY, MODS AND IMPROVEMENTS.....	38,564	38,564	---
84 NUCLEAR WEAPONS SUPPORT.....	35,033	35,033	---
85 ELECTRONIC WARFARE DEVELOPMENT.....	2,098	2,098	---
86 TACTICAL DATA NETWORKS ENTERPRISE.....	131,909	131,909	---
87 PHYSICAL SECURITY EQUIPMENT.....	6,752	6,752	---
88 SMALL DIAMETER BOMB (SDB).....	17,280	17,280	---
90 ARMAMENT/ORDNANCE DEVELOPMENT.....	23,076	23,076	---
91 SUBMUNITIONS.....	3,091	3,091	---
92 AGILE COMBAT SUPPORT.....	20,609	19,015	-1,594
93 JOINT DIRECT ATTACK MUNITION.....	7,926	7,926	---
94 LIFE SUPPORT SYSTEMS.....	23,660	23,660	---
95 COMBAT TRAINING RANGES.....	8,898	8,898	---
96 F-35 - EMD.....	5,423	5,423	---
97 LONG RANGE STANDOFF WEAPON.....	474,430	304,430	-170,000
98 ICBM FUZE MODERNIZATION.....	167,099	167,099	---
100 OPEN ARCHITECTURE MANAGEMENT.....	30,547	30,547	---
102 ADVANCED PILOT TRAINING.....	248,669	248,669	---
103 COMBAT RESCUE HELICOPTER.....	63,169	63,169	---
105 NUCLEAR WEAPONS MODERNIZATION.....	9,683	9,683	---
106 F-15 EPANSS.....	170,679	170,679	---
107 STAND IN ATTACK WEAPON.....	160,438	160,438	---
108 FULL COMBAT MISSION TRAINING.....	9,422	9,422	---
110 COMBAT SURVIVOR EVADER LOCATOR.....	973	973	---
111 KC-46A TANKER SQUADRONS.....	106,262	106,262	---
113 PRESIDENTIAL AIRCRAFT REPLACEMENT.....	800,889	800,889	---
114 AUTOMATED TEST SYSTEMS.....	10,673	10,673	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
115 TRAINING DEVELOPMENTS.....	4,479	4,479	---
116 AF A1 SYSTEMS.....	8,467	8,467	---
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	2,615,359	2,443,765	-171,594
RT&E MANAGEMENT SUPPORT			
131 THREAT SIMULATOR DEVELOPMENT.....	57,725	57,725	---
132 MAJOR T&E INVESTMENT.....	208,680	208,680	---
133 RAND PROJECT AIR FORCE.....	35,803	35,803	---
135 INITIAL OPERATIONAL TEST & EVALUATION.....	13,557	13,557	---
136 TEST AND EVALUATION SUPPORT.....	764,606	764,606	---
137 ACQ WORKFORCE- GLOBAL POWER.....	---	273,231	+273,231
138 ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS.....	---	262,119	+262,119
139 ACQ WORKFORCE- GLOBAL REACH.....	---	158,429	+158,429
140 ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS.....	---	247,468	+247,468
141 ACQ WORKFORCE- GLOBAL BATTLE MGMT.....	---	183,107	+183,107
142 ACQ WORKFORCE- CAPABILITY INTEGRATION.....	1,362,038	219,868	-1,142,170
143 ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY.....	40,768	58,584	+17,816
144 ACQ WORKFORCE- NUCLEAR SYSTEMS.....	179,646	179,646	---
145 MANAGEMENT HQ - R&D.....	5,734	5,734	---
146 FACILITIES RESTORATION & MODERNIZATION - TEST & EVAL..	70,985	70,985	---
147 FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT..	29,880	29,880	---
148 REQUIREMENTS ANALYSIS AND MATURATION.....	63,381	63,381	---
149 MANAGEMENT HQ - T&E.....	5,785	5,785	---
COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4) - 150 STRATCOM.....	24,564	21,564	-3,000
151 ENTERPRISE INFORMATION SERVICES (EIS).....	9,883	9,883	---
152 ACQUISITION AND MANAGEMENT SUPPORT.....	13,384	13,384	---
153 GENERAL SKILL TRAINING.....	1,262	1,262	---
155 INTERNATIONAL ACTIVITIES.....	3,599	3,599	---
TOTAL, RDT&E MANAGEMENT SUPPORT.....	2,891,280	2,888,280	-3,000
OPERATIONAL SYSTEMS DEVELOPMENT			
163 SPECIALIZED UNDERGRADUATE FLIGHT TRAINING.....	8,777	11,577	+2,800
164 DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D.....	499	499	---
165 F-35 C2D2.....	785,336	785,336	---
166 AIR FORCE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM..	27,035	27,035	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
167 ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY.....	50,508	47,193	-3,315
168 FOREIGN MATERIEL ACQUISITION AND EXPLOITATION.....	71,229	71,229	---
169 HC/MC-130 RECAP RDT&E.....	24,705	24,705	---
170 NC3 INTEGRATION.....	26,356	26,356	---
172 B-52 SQUADRONS.....	520,023	473,623	-46,400
173 AIR-LAUNCHED CRUISE MISSILE (ALCM).....	1,433	1,433	---
174 B-1B SQUADRONS.....	15,766	15,766	---
175 B-2 SQUADRONS.....	187,399	187,399	---
176 MINUTEMAN SQUADRONS.....	116,569	116,569	---
177 WORLDWIDE JOINT STRATEGIC COMMUNICATIONS.....	27,235	27,235	---
178 INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK.....	24,227	24,227	---
179 ICBM REENTRY VEHICLES.....	112,753	112,753	---
181 UH-1N REPLACEMENT PROGRAM.....	44,464	44,464	---
182 RSOC MODERNIZATION.....	5,929	5,929	---
183 NORTH WARNING SYSTEM (NWS).....	100	100	---
184 MQ-9 UAV.....	162,080	152,112	-9,968
186 A-10 SQUADRONS.....	24,535	24,535	---
187 F-16 SQUADRONS.....	223,437	233,305	+9,868
188 F-15E SQUADRONS.....	298,908	288,908	-10,000
189 MANNED DESTRUCTIVE SUPPRESSION.....	14,960	14,960	---
190 F-22 SQUADRONS.....	665,038	665,038	---
191 F-35 SQUADRONS.....	132,229	132,229	---
192 F-15EX.....	159,761	159,761	---
193 TACTICAL AIM MISSILES.....	19,417	19,417	---
194 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM).....	51,799	51,799	---
195 COMBAT RESCUE - PARARESCUE.....	669	669	---
196 AF TENCAP.....	21,644	21,644	---
197 PRECISION ATTACK SYSTEMS PROCUREMENT.....	9,261	9,261	---
198 COMPASS CALL.....	15,854	15,854	---
199 AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM.....	95,896	125,896	+30,000
200 JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM).....	70,792	70,792	---
201 AIR AND SPACE OPERATIONS CENTER (AOC).....	51,187	51,187	---
202 CONTROL AND REPORTING CENTER (CRC).....	16,041	16,041	---
203 AIRBORNE WARNING AND CONTROL SYSTEM (AWACS).....	138,303	121,151	-17,152

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
204 TACTICAL AIRBORNE CONTROL SYSTEMS.....	4,223	4,223	---
206 COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES.....	16,564	15,257	-1,307
207 THEATER BATTLE MANAGEMENT (TBM) C41.....	7,858	7,858	---
208 TACTICAL AIR CONTROL PARTY--MOD.....	12,906	12,906	---
210 DCAPEs.....	14,816	14,816	---
211 AIR FORCE CALIBRATION PROGRAMS.....	1,970	1,970	---
212 NATIONAL TECHNICAL NUCLEAR FORENSICS.....	396	396	---
213 SEEK EAGLE.....	29,680	29,680	---
214 USAF MODELING AND SIMULATION.....	17,666	17,666	---
215 WARGAMING AND SIMULATION CENTERS.....	6,353	6,353	---
216 BATTLEFIELD ABN COMM NODE (BACN).....	6,827	6,827	---
217 DISTRIBUTED TRAINING AND EXERCISES.....	3,390	---	-3,390
218 MISSION PLANNING SYSTEMS.....	91,768	91,768	---
219 TACTICAL DECEPTION.....	2,370	---	-2,370
220 OPERATIONAL HG - CYBER.....	5,527	5,527	---
221 DISTRIBUTED CYBER WARFARE OPERATIONS.....	68,279	68,279	---
222 AF DEFENSIVE CYBERSPACE OPERATIONS.....	15,165	15,165	---
223 JOINT CYBER COMMAND AND CONTROL (JCC2).....	38,480	38,480	---
224 UNIFIED PLATFORM (UP).....	84,645	84,645	---
230 GEOBASE.....	2,767	2,767	---
231 NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES).....	32,759	32,759	---
238 AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS.....	2,904	2,904	---
239 E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC).....	3,468	3,468	---
240 MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK....	61,887	31,426	-30,461
242 INFORMATION SYSTEMS SECURITY PROGRAM.....	10,351	3,608	-6,743
243 GLOBAL FORCE MANAGEMENT - DATA INITIATIVE.....	1,346	1,346	---
246 AIRBORNE SIGINT ENTERPRISE.....	128,110	128,110	---
247 COMMERCIAL ECONOMIC ANALYSIS.....	4,042	4,042	---
251 CCMD INTELLIGENCE INFORMATION TECHNOLOGY.....	1,649	1,649	---
252 ISR MODERNIZATION & AUTOMATION DVMT (IMAD).....	19,265	19,265	---
253 GLOBAL AIR TRAFFIC MANAGEMENT (GATM).....	4,645	4,645	---
254 CYBER SECURITY INITIATIVE.....	384	384	---
255 WEATHER SERVICE.....	23,640	36,640	+13,000



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
256 AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC).	6,553	6,553	---
257 AERIAL TARGETS.....	449	449	---
260 SECURITY AND INVESTIGATIVE ACTIVITIES.....	432	---	-432
262 DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES.....	4,890	4,890	---
264 INTEGRATED BROADCAST SERVICE.....	8,864	8,864	---
265 DRAGON U-2.....	18,660	36,660	+18,000
267 AIRBORNE RECONNAISSANCE SYSTEMS.....	121,512	113,512	-8,000
268 MANNED RECONNAISSANCE SYSTEMS.....	14,711	14,711	---
269 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	14,152	14,152	---
270 RQ-4 UAV.....	134,589	134,589	---
271 NETWORK-CENTRIC COLLABORATIVE TARGET (TIARA).....	15,049	15,049	---
272 NATO AGS.....	36,731	36,731	---
273 SUPPORT TO DCGS ENTERPRISE.....	33,547	33,547	---
274 INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES.....	13,635	13,635	---
275 RAPID CYBER ACQUISITION.....	4,262	4,262	---
276 PERSONNEL RECOVERY COMMAND & CTRL (PRC2).....	2,207	2,207	---
277 INTELLIGENCE MISSION DATA (IMD).....	6,277	6,277	---
278 C-130 AIRLIFT SQUADRON.....	41,973	41,973	---
279 C-5 AIRLIFT SQUADRONS.....	32,560	32,560	---
280 C-17 AIRCRAFT.....	9,991	9,991	---
281 C-130J PROGRAM.....	10,674	10,674	---
282 LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCIM).....	5,507	5,507	---
283 KC-135.....	4,591	4,591	---
286 CV-22.....	18,419	18,419	---
288 SPECIAL TACTICS / COMBAT CONTROL.....	7,673	7,673	---
290 MAINTENANCE, REPAIR & OVERHAUL SYSTEM.....	24,513	24,513	---
291 LOGISTICS INFORMATION TECHNOLOGY (LOGIT).....	35,225	33,247	-1,978
292 SUPPORT SYSTEMS DEVELOPMENT.....	11,838	11,838	---
293 OTHER FLIGHT TRAINING.....	1,332	1,332	---
295 JOINT PERSONNEL RECOVERY AGENCY.....	2,092	2,092	---
296 CIVILIAN COMPENSATION PROGRAM.....	3,869	3,869	---
297 PERSONNEL ADMINISTRATION.....	1,584	1,584	---
298 AIR FORCE STUDIES AND ANALYSIS AGENCY.....	1,197	1,197	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
299 FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT..	7,006	7,006	---
300 DEFENSE ENTERPRISE ACNTNG AND MGT SYS (DEAMS).....	45,638	45,638	---
301 GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN).....	1,889	---	-1,889
302 SERVICE SUPPORT TO STRATCOM - SPACE ACTIVITIES.....	993	993	---
303 SERVICE SUPPORT TO SPACECOM ACTIVITIES.....	8,999	8,999	---
314 SPACE SUPERIORITY INTELLIGENCE.....	16,810	---	-16,810
316 NATIONAL SPACE DEFENSE CENTER.....	2,687	---	-2,687
318 NCMC - TW/AA SYSTEM.....	6,990	---	-6,990
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	5,688,824	5,592,600	-96,224
9999 CLASSIFIED PROGRAMS.....	15,777,856	15,102,030	-675,826
323 UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-55,454	-55,454
=====			
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE.....	37,391,826	36,040,609	-1,351,217
=====			

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

R-1	Budget Request	Committee Recommended	Change from Request
<b>1 DEFENSE RESEARCH SCIENCES</b>	<b>315,348</b>	<b>325,348</b>	<b>10,000</b>
Program increase - defense research sciences		10,000	
<b>2 UNIVERSITY RESEARCH INITIATIVES</b>	<b>161,861</b>	<b>166,861</b>	<b>25,000</b>
Program increase - university research initiatives		15,000	
Program increase - solar block research		5,000	
Program increase - hypersonic supply chain research		5,000	
<b>5 MATERIALS</b>	<b>140,781</b>	<b>180,281</b>	<b>39,500</b>
Program increase - coating technologies		5,000	
Program increase - deployable passive cooling		5,000	
Program increase - additive manufacturing		10,000	
Program increase - human monitoring capabilities		9,500	
Program increase - ceramic matrix composites		10,000	
<b>6 AEROSPACE VEHICLE TECHNOLOGIES</b>	<b>349,225</b>	<b>175,472</b>	<b>-173,753</b>
Transfer to line 8		-196,753	
Program increase - secure UAV technologies		10,000	
Program increase - modeling and testing of high temperature aero vehicles		4,000	
Program increase - advanced battery technology for directed energy		5,000	
Program increase - hypersonic research and education		4,000	
<b>8 AEROSPACE PROPULSION</b>	<b>0</b>	<b>196,753</b>	<b>196,753</b>
Transfer from line 6		196,753	
<b>9 AEROSPACE SENSORS</b>	<b>211,301</b>	<b>233,301</b>	<b>22,000</b>
Program increase - exploitation detection for flexible combat avionics		5,000	
Program increase - low cost sensors for small unmanned vehicles		5,000	
Program increase - additive manufacturing for electronics		6,000	
Program increase - cyber assurance and assessment of electronic hardware systems		6,000	
<b>14 DOMINANT INFORMATION SCIENCES AND METHODS</b>	<b>178,668</b>	<b>208,668</b>	<b>30,000</b>
Program increase - trusted UAS traffic management and c-SUAS testbed		10,000	
Program increase - quantum network testbed		10,000	
Program increase - quantum innovation center		10,000	
<b>15 HIGH ENERGY LASER RESEARCH</b>	<b>45,088</b>	<b>50,088</b>	<b>5,000</b>
Program increase - fiber laser research		5,000	
<b>17 AIR FORCE FOUNDATIONAL DEVELOPMENT/DEMOS</b>	<b>103,280</b>	<b>0</b>	<b>-103,280</b>
Transfer to line 22		-35,169	
Transfer to line 23		-16,933	
Transfer to line 30		-10,777	
Transfer to line 33		-40,401	

R-1	Budget Request	Committee Recommended	Change from Request
<b>FUTURE AIR FORCE INTEGRATED TECHNOLOGY</b>			
<b>18 DEMOS</b>	<b>157,619</b>	<b>20,000</b>	<b>-137,619</b>
Transfer to line 25		-40,900	
Transfer to line 27		-24,632	
Transfer to line 31		-72,087	
<b>19 NEXT GEN PLATFORM DEV/DEMO</b>	<b>199,556</b>	<b>0</b>	<b>-199,556</b>
Transfer to line 25		-37,230	
Transfer to line 26		-105,058	
Transfer to line 28		-57,268	
<b>20 PERSISTENT KNOWLEDGE, AWARENESS AND C2 TECH</b>	<b>102,276</b>	<b>0</b>	<b>-102,276</b>
Transfer to line 24		-35,338	
Transfer to line 27		-4,699	
Transfer to line 29		-12,090	
Transfer to line 30		-20,948	
Transfer to line 34		-29,201	
<b>21 NEXT GEN EFFECTS DEV/DEMOS</b>	<b>215,817</b>	<b>0</b>	<b>-215,817</b>
Transfer to line 27		-31,207	
Transfer to line 31		-134,145	
Transfer to line 32		-31,445	
Transfer to line 34		-19,020	
<b>22 ADVANCED MATERIALS FOR WEAPON SYSTEMS</b>	<b>0</b>	<b>51,169</b>	<b>51,169</b>
Transfer from line 17		35,169	
Program increase - materials affordability research		10,000	
Program increase - composites technology		6,000	
<b>23 SUSTAINMENT S&amp;T</b>	<b>0</b>	<b>16,933</b>	<b>16,933</b>
Transfer from line 17		16,933	
<b>24 ADVANCED AEROSPACE SENSORS</b>	<b>0</b>	<b>35,338</b>	<b>35,338</b>
Transfer from line 20		35,338	
<b>25 AEROSPACE TECHNOLOGY DEV/DEMO</b>	<b>0</b>	<b>103,130</b>	<b>103,130</b>
Transfer from line 18		40,900	
Transfer from line 19		37,230	
Program increase - Agility Prime		25,000	
<b>26 AEROSPACE PROPULSION &amp; POWER TECHNOLOGY</b>	<b>0</b>	<b>132,058</b>	<b>132,058</b>
Transfer from line 19		105,058	
Program increase - multi-mode propulsion		5,000	
Program increase - low spool generator capabilities		5,000	
Program increase - small turbine engines for long range weapons		17,000	
<b>27 ELECTRONIC COMBAT TECHNOLOGY</b>	<b>0</b>	<b>60,538</b>	<b>60,538</b>
Transfer from line 18		24,632	
Transfer from line 20		4,699	
Transfer from line 21		31,207	
<b>28 ADVANCED SPACECRAFT TECHNOLOGY</b>	<b>0</b>	<b>57,268</b>	<b>57,268</b>
Transfer from line 19		57,268	

R-1	Budget Request	Committee Recommended	Change from Request
<b>29 MAUI SPACE SURVEILLANCE SYSTEM</b>	<b>0</b>	<b>12,090</b>	<b>12,090</b>
Transfer from line 20		12,090	
<b>30 HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY</b>	<b>0</b>	<b>31,725</b>	<b>31,725</b>
Transfer from line 17		10,777	
Transfer from line 20		20,948	
<b>31 CONVENTIONAL WEAPONS TECHNOLOGY</b>	<b>0</b>	<b>206,232</b>	<b>206,232</b>
Transfer from line 18		72,087	
Transfer from line 21		134,145	
<b>32 ADVANCED WEAPONS TECHNOLOGY</b>	<b>0</b>	<b>31,445</b>	<b>31,445</b>
Transfer from line 21		31,445	
<b>33 MANUFACTURING TECHNOLOGY PROGRAM</b>	<b>0</b>	<b>110,401</b>	<b>110,401</b>
Transfer from line 17		40,401	
Program increase - hybrid manufacturing for rapid tooling and repair		5,000	
Program increase - cost reduction for aerospace composite structures		10,000	
Program increase - technologies to repair fastener holes		5,000	
Program increase - flexible thermal protection systems for hypersonics		10,000	
Program increase - modeling technology for small turbine engines		7,000	
Program increase - alternative domestic rubber production		5,000	
Program increase - large scale additive manufacturing for hypersonics		6,000	
Program increase - manufacturing readiness for hypersonic propulsion systems		10,000	
Program increase - manufacturing technology for reverse engineering		5,000	
Program increase - thermoplastic material systems		7,000	
<b>34 BATTLESPACE KNOWLEDGE DEV/DEMO</b>	<b>0</b>	<b>58,221</b>	<b>58,221</b>
Transfer from line 20		29,201	
Transfer from line 21		19,020	
Program increase - assured communication and networks		10,000	
<b>43 AIR FORCE WEATHER SERVICES RESEARCH</b>	<b>869</b>	<b>2,238</b>	<b>1,369</b>
Drought warning system		1,369	
<b>44 ADVANCED BATTLE MANAGEMENT SYSTEM</b>	<b>302,323</b>	<b>252,323</b>	<b>-50,000</b>
Unjustified growth		-50,000	
<b>45 ADVANCED ENGINE DEVELOPMENT</b>	<b>636,495</b>	<b>666,495</b>	<b>30,000</b>
Program increase		30,000	

R-1	Budget Request	Committee Recommended	Change from Request
<b>56 TECH TRANSITION PROGRAM</b>	<b>219,252</b>	<b>222,952</b>	<b>3,700</b>
Experimentation		-20,000	
Prototyping - hold to fiscal year 2020 level		-27,300	
Program increase - massive area additive manufacturing		10,000	
Program increase - additive manufacturing for metals		10,000	
Program increase - cold spray and directed energy deposition		6,000	
Program increase - unfunded requirement for Skyborg / LCAAT		25,000	
<b>57 GROUND BASED STRATEGIC DETERRENT</b>	<b>1,524,759</b>	<b>1,464,759</b>	<b>-60,000</b>
Excess to need		-60,000	
<b>59 NEXT GENERATION AIR DOMINANCE</b>	<b>1,044,089</b>	<b>537,589</b>	<b>-506,500</b>
Program decrease to fund near term fighter recap shortfall		-506,500	
<b>68 C-32 EXECUTIVE TRANSPORT RECAPITALIZATION</b>	<b>9,908</b>	<b>7,808</b>	<b>-2,100</b>
AoA funding carryover		-2,100	
<b>69 CONTRACTING INFORMATION TECHNOLOGY SYSTEM</b>	<b>8,662</b>	<b>5,672</b>	<b>-2,990</b>
Unjustified increase		-2,990	
<b>74 SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)</b>	<b>8,787</b>	<b>0</b>	<b>-8,787</b>
Transfer to RD,SF line 6		-8,787	
<b>77 SPACE SECURITY AND DEFENSE PROGRAM</b>	<b>56,311</b>	<b>0</b>	<b>-56,311</b>
Transfer to RD,SF line 11A		-56,311	
<b>92 AGILE COMBAT SUPPORT</b>	<b>20,609</b>	<b>19,015</b>	<b>-1,594</b>
Technology transfer planning execution delays		-1,594	
<b>97 LONG RANGE STANDOFF WEAPON</b>	<b>474,430</b>	<b>304,430</b>	<b>-170,000</b>
TMRR funding excess to need		-170,000	
<b>137 ACQUISITION WORKFORCE - GLOBAL POWER</b>	<b>0</b>	<b>273,231</b>	<b>273,231</b>
Transfer from line 142		273,231	
<b>ACQUISITION WORKFORCE - GLOBAL VIGILANCE AND</b>			
<b>138 COMBAT SYSTEMS</b>	<b>0</b>	<b>262,119</b>	<b>262,119</b>
Transfer from line 142		262,119	
<b>139 ACQUISITION WORKFORCE - GLOBAL REACH</b>	<b>0</b>	<b>158,429</b>	<b>158,429</b>
Transfer from line 142		158,429	
<b>ACQUISITION WORKFORCE - CYBER, NETWORK, AND</b>			
<b>140 BUSINESS SYSTEMS</b>	<b>0</b>	<b>247,468</b>	<b>247,468</b>
Transfer from line 142		247,468	
<b>ACQUISITION WORKFORCE - GLOBAL BATTLE</b>			
<b>141 MANAGEMENT</b>	<b>0</b>	<b>183,107</b>	<b>183,107</b>
Transfer from line 142		183,107	

R-1	Budget Request	Committee Recommended	Change from Request
<b>ACQUISITION WORKFORCE - CAPABILITY</b>			
<b>142 INTEGRATION</b>	<b>1,362,038</b>	<b>219,868</b>	<b>-1,142,170</b>
Transfer to line 137 for Global Power		-273,231	
Transfer to line 138 for Global Vigilance		-262,119	
Transfer to line 139 for Global Reach		-168,429	
Transfer to line 140 for Cyber, Network, and Business Systems		-247,468	
Transfer to line 141 for Global Battle Management		-183,107	
Transfer to line 143 for Advanced Program Technology		-17,816	
<b>ACQUISITION WORKFORCE - ADVANCED PROGRAM</b>			
<b>143 TECHNOLOGY</b>	<b>40,768</b>	<b>58,584</b>	<b>17,816</b>
Transfer from line 142		17,816	
<b>150 C4 - STRATCOM</b>	<b>24,564</b>	<b>21,564</b>	<b>-3,000</b>
Modeling and simulation and enterprise data environment development - lack of justification		-3,000	
<b>163 SUFT</b>	<b>8,777</b>	<b>11,577</b>	<b>2,800</b>
Program increase - PRIME DTS		2,800	
<b>167 ANTI-TAMPER TECHNOLOGY EA</b>	<b>50,508</b>	<b>47,193</b>	<b>-3,315</b>
Lack of prior year execution data		-3,315	
<b>172 B-52 SQUADRONS</b>	<b>520,023</b>	<b>473,623</b>	<b>-46,400</b>
AFMC test assets		-3,000	
ATP display upgrade delay		-5,000	
RMP MSB slip		-10,900	
CERP excess to need		-25,500	
AEHF lack of acquisition strategy		-2,000	
<b>184 MQ-9</b>	<b>162,080</b>	<b>152,112</b>	<b>-9,968</b>
Tech insertion request unjustified		-9,968	
<b>187 F-16 SQUADRONS</b>	<b>223,437</b>	<b>233,305</b>	<b>9,868</b>
AIFF Mode 5 - Air Force requested transfer from AP,AF line 30		9,868	
<b>188 F-15 SQUADRONS</b>	<b>298,908</b>	<b>288,908</b>	<b>-10,000</b>
IRST carryover		-10,000	
<b>199 ENGINE CIP</b>	<b>95,896</b>	<b>125,896</b>	<b>30,000</b>
Program increase		30,000	
<b>203 AWACS</b>	<b>138,303</b>	<b>121,151</b>	<b>-17,152</b>
GPS upgrade unjustified request		-1,000	
ACIP carryover		-2,000	
CID inconsistent budget justification		-6,000	
EP Phase 1A excess to need		-8,152	
<b>206 COMBAT AIR INTELLIGENCE SYSTEM</b>	<b>16,564</b>	<b>15,257</b>	<b>-1,307</b>
Unjustified growth		-1,307	
<b>217 DISTRIBUTED TRAINING AND EXERCISES</b>	<b>3,390</b>	<b>0</b>	<b>-3,390</b>
Insufficient justification		-3,390	

R-1	Budget Request	Committee Recommended	Change from Request
219 TACTICAL DECEPTION	2,370	0	-2,370
Ahead of need		-2,370	
240 MEECN	61,887	31,426	-30,461
CVR increment 2		-12,617	
GASNT increment 2		-17,844	
242 ISSP	10,351	3,608	-6,743
Crypto modernization tech development ahead of need		-6,743	
255 WEATHER SERVICE	23,640	36,640	13,000
Program increase - commercial weather data pilot		10,000	
Program increase - enhanced weather prediction		3,000	
260 SECURITY AND INVESTIGATIVE ACTIVITIES	432	0	-432
Lack of prior year execution data		-432	
265 U-2	18,660	36,660	18,000
Air Force requested transfer from line 267		18,000	
267 AIRBORNE RECONNAISSANCE SYSTEMS	121,512	113,512	-8,000
Air Force requested transfer to line 265		-18,000	
Program increase - sensor open systems architecture		10,000	
291 LOGIT	35,225	33,247	-1,978
Unjustified growth		-1,978	
301 GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	1,889	0	-1,889
Transfer to RD,SF line 26		-1,889	
314 SPACE SUPERIORITY INTELLIGENCE	16,810	0	-16,810
Transfer to RD,SF line 41B		-16,810	
316 NATIONAL SPACE DEFENSE CENTER	2,687	0	-2,687
Transfer to RD,SF line 41A		-2,687	
318 NCMC - TW/AA SYSTEM	6,990	0	-6,990
Transfer to RD,SF line 41C		-6,990	
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-55,454	-55,454
999 CLASSIFIED PROGRAMS	15,777,856	15,102,030	-675,826
Classified adjustment		-90,000	
Classified adjustment		-585,826	



## PROGRAM ELEMENT CONSOLIDATION

The Air Force's fiscal year 2021 budget request for research, development, test and evaluation proposes to eliminate funding for 14 program elements within the budget activities for applied research and advanced technology development, and consolidate funding for multiple budget program activity codes totaling approximately \$955,000,000 into one existing and five new program elements.

The Committee understands that the intent of the Air Force proposal is to convert the existing geographically aligned budget structure into a more integrated format that better serves the Air Force's science and technology strategy. The Air Force believes this consolidation will increase the transparency of its research and development efforts and facilitate more coherent cross-domain solutions to problem sets. Additionally, the Air Force proposes to consolidate most funding for acquisition workforce civilian pay funded through this account into a single line by eliminating five program elements and partially reducing another. The Committee understands the intent of the Air Force and does not reject it outright, but the Committee finds that one effect of this consolidation would be the increased ability of the Department of Defense to realign funding among different activities without seeking prior congressional approval. The granting of additional budget flexibility to the Department is based on the presumption that a state of trust and comity exists between the legislative and executive branches regarding the proper use of appropriated funds. This presumption presently is false. Since the Department has repeatedly demonstrated its willingness to disregard congressionally mandated reprogramming procedures, the Committee cannot agree to provide the additional budget flexibility the Air Force requested. The recommendation therefore restores funding for these activities to the program elements and budget lines in which they were previously funded. The Committee is open to reconsidering this proposal once the Department's leadership recommits to honoring Congress's constitutional power of the purse.

## HYPERSONICS PROTOTYPING

The Committee recommendation fully funds the Air Force's request of \$381,862,000 for hypersonics prototyping; however, the Committee continues to have concerns with the Air Force's repeated failure to adequately budget for this program. The Air Force received full funding for the fiscal year 2020 request of \$576,000,000 to continue two efforts: the air-launched rapid response weapon (ARRW) and the hypersonic conventional strike weapon (HCSW). The Committee noted in House Report 116-84 that HCSW had no programmed funding in fiscal year 2021 and thereafter. The Committee was notified by the Air Force at the time of the fiscal year 2021 budget submission that the HCSW effort would be terminated upon the conclusion of the critical design review. The Committee views this decision as a direct consequence of the Air Force's failure to properly budget for the continuation of the HCSW effort.

At the same time, the remaining ARRW effort has seen dramatic growth in cost estimates. A March 2018 non-advocate cost assess-

ment produced an estimate of \$854,700,000; the most recent estimate from March 2020 is \$1,364,000,000, a growth of nearly 60 percent. Entailed in this cost growth is a further increase to the previously known budget shortfall for ARRW in fiscal year 2020, which the Air Force intends to remedy by realigning \$146,700,000 from the HCSW effort.

The Committee understands that the cost growth in ARRW is attributable to cost elements that were not previously captured in earlier estimates, yet these estimates have been used to establish baselines for congressional reporting. The May 2019 “804 Triannual Report” submitted to the congressional defense committees by the Assistant Secretary of the Air Force (Acquisition, Technology and Logistics) used the March 2018 cost estimate as the baseline for the ARRW effort, and a ten percent growth from this baseline was established as a “guardrail” triggering congressional notification. Even though the Air Force produced an updated cost estimate of \$1,213,000,000 in March 2019, an increase of nearly 42 percent over the previously reported figure, the October 2019 “Triannual Report” simply substituted the new baseline for the prior one. The latest estimate from March 2020 is more than 12 percent above even this revised baseline. These facts call into question the value of existing reporting mechanisms for middle-tier acquisition (MTA) programs. Even though the ARRW program now appears to be fully funded in the fiscal year 2021 budget request, it still projects relatively smaller shortfalls in fiscal years 2022 and 2023.

The Committee increasingly finds that the Department-wide mantra of increasing speed and accepting greater risk in acquisition programs has not been matched by the necessary discipline when it comes to programming, budgeting, and transparency. The Government Accountability Office has found that most major MTA programs are planning for transition to another MTA or a more traditional major defense acquisition program. The Committee believes that the Air Force, and the Department in general, need to plan for success by ensuring that the proper resources are programmed. Otherwise, future decision makers will be forced into sub-optimal decisions for lack of resources, such as terminating an effort prematurely, abruptly cancelling or reducing other programs to find the necessary funds, or simply accepting “residual capability” of questionable long-term value. This has been acutely illustrated by the recent experience with the hypersonics prototyping program.

While the Committee recommendation fully funds the ARRW program, the Committee does not intend to approve funding for further cost increases for the section 804 effort beyond the March 2020 estimate, whether through future budget submissions or reprogramming requests. The Committee also strongly urges the Secretary of the Air Force to program funding for the transition of the ARRW effort to production beginning with the submission of the fiscal year 2022 request.

#### ADVANCED BATTLE MANAGEMENT SYSTEM

The budget request includes \$302,323,000 for the Advanced Battle Management System (ABMS). The requested funding is more

than double the comparable level for fiscal year 2020, and the Committee notes that this program is projected to grow to \$1,087,601,000 by 2024 in the current future years defense plan (FYDP). While the Committee acknowledges the need for a robust and agile “sensor-to-shooter” network to meet the challenges of future operating environments, and supports broad principles of the ABMS approach such as open architecture and the avoidance of “vendor lock,” the Committee currently lacks enough confidence in the Air Force’s structuring and execution of ABMS to support the rate of budget growth beginning with the fiscal year 2021 request.

The Committee notes several weaknesses within the current ABMS program that should be addressed before the Committee agrees to the budget growth for ABMS envisioned in the current FYDP. The Government Accountability Office (GAO) has identified several of these weaknesses, such as the absence of firm requirements, acquisition strategy, or cost estimate, as well as the unclear definition of responsibilities of the Chief Architect of the Air Force and other offices involved in executing the ABMS program. While the Air Force emphasizes that ABMS is being executed as a “non-traditional” acquisition program, this reinforces rather than reduces the need for discipline in what GAO refers to as the control environment. In addition, the Committee believes that the Air Force needs to articulate a strategy for transitioning technologies that are successfully developed by the ABMS program to existing weapon systems and other programs of record. It is unclear how the costs of fully integrating elements of the ABMS family of systems will be accounted for through their lifecycles across multiple programs without simply being handed down as unfunded mandates to individual program managers. Finally, the Committee is not confident that existing Air Force programs of record have been adequately reviewed to ensure that they are consistent with the Air Force’s vision for ABMS and its requirements, to the extent they are actually known.

The budget justification documentation for the fiscal year 2021 request poorly describes how the requested funds will be executed, but from additional information provided by the Air Force the Committee understands that the request includes approximately \$75,000,000 for “on ramp” exercises that are intended to demonstrate potential technologies and capabilities. The Air Force intends to conduct three such exercises in the fiscal year and sustain this pace indefinitely. The Committee cannot ascertain any specific requirement or other programmatic justification for conducting this number of exercises, nor does the Committee have adequate confidence in the cost estimate of \$25,000,000 per exercise. It is unclear if the ABMS program intends to limit the scope of exercises to the allocated funds, if other Air Force funds would be used to augment such exercises as necessary, or if other efforts within the ABMS program would be reduced in order to support the exercises if their actual costs exceed the budgeted amounts. The Committee therefore recommends a reduction of \$50,000,000 to the ABMS program and directs the Secretary of the Air Force to limit the total cost of “on ramp” exercises to no more than \$25,000,000 in fiscal year 2021.

## MINORITY LEADERS PROGRAM

The Committee supports the Minority Leaders Program, which enables and enhances collaborative research partnerships between Historically Black Colleges and Universities, Hispanic Serving Institutions, and other Minority Serving Institutions and the Air Force Research Laboratory. A critical aspect of the program is to increase the core competencies of these institutions to make them more competitive with academia and industry within their fields. The Committee encourages the Secretary of the Air Force to execute the program in a manner that maximizes the funding and participation of these institutions and the students that they serve.

## SKYBORG AND LOW-COST ATTRITABLE AIRCRAFT TECHNOLOGY

The Committee supports the Air Force's Skyborg effort, which will develop and demonstrate an autonomy-focused suite of capabilities enabling the Air Force to produce and sustain effective combat mass using low-cost attritable aircraft technology (LCAAT) teamed with manned platforms. An additional \$100,000,000 for LCAAT was provided in the Department of Defense Appropriations Act, 2020 and accompanying language directed the Secretary of the Air Force to execute that funding according to the spend plan submitted in March 2020. The Committee recommendation includes an additional \$25,000,000 for the Skyborg program and associated LCAAT efforts. The Committee directs the Secretary of the Air Force to submit a spend plan to the congressional defense committees encompassing this additional funding, as well as funding for the Skyborg and LCAAT efforts included in the underlying fiscal year 2021 budget request, not later than 90 days after the enactment of this Act. The Committee encourages the Secretary of the Air Force to pursue further prototyping of LCAAT systems consistent with this spending plan and the Skyborg effort.

## AFFORDABLE MULTI-FUNCTIONAL AEROSPACE COMPOSITES

The Committee recognizes that the development of scalable and affordable multi-functional aerospace composites and nanocomposite manufacturing have great potential to contribute to improved warfighter capabilities. The Committee encourages the Secretary of the Air Force to engage in partnerships with public universities to rapidly advance scalable manufacturing of multi-functional aerospace nanocomposites.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION,  
SPACE FORCE

Fiscal year 2020 appropriation .....	---
Fiscal year 2021 budget request .....	\$10,327,595,000
Committee recommendation .....	10,187,840,000
Change from budget request .....	- 139,755,000

The Committee recommends an appropriation of \$10,187,840,000 for Research, Development, Test and Evaluation, Space Force which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
RESEARCH, DEVELOPMENT, TEST & EVALUATION, SPACE FORCE			
1 APPLIED RESEARCH			
SPACE TECHNOLOGY.....	130,874	160,874	+30,000
TOTAL, APPLIED RESEARCH.....	130,874	160,874	+30,000
COMPONENT DEVELOPMENT & PROTOTYPES			
2 NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT)			
(SPACE).....	390,704	380,704	-10,000
3 EO/IR WEATHER SYSTEMS.....	131,000	131,000	---
4 WEATHER SYSTEM FOLLOW-ON.....	83,384	83,384	---
5 SPACE SITUATION AWARENESS SYSTEM.....	33,359	33,359	---
6 SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT).....	142,808	151,595	+8,787
7 SPACE CONTROL TECHNOLOGY.....	35,575	40,575	+5,000
8 PROTECTED TACTICAL ENTERPRISE SERVICE (PTES).....	114,390	109,390	-5,000
9 PROTECTED TACTICAL SERVICE (PTS).....	205,178	200,178	-5,000
10 EVOLVED STRATEGIC SATCOM (ESS).....	71,395	71,395	---
11 SPACE RAPID CAPABILITIES OFFICE.....	103,518	103,518	---
11A SPACE SECURITY AND DEFENSE PROGRAMS (SSDP).....	---	56,311	+56,311
TOTAL, COMPONENT DEVELOPMENT & PROTOTYPES.....	1,311,311	1,361,409	+50,098
SYSTEM DEVELOPMENT & DEMONSTRATION			
12 GPS III FOLLOW-ON (GPS IIF).....	263,496	258,496	-5,000
13 SPACE SITUATION AWARENESS OPERATIONS.....	41,897	46,897	+5,000
14 COUNTERSPACE SYSTEMS.....	54,689	54,689	---
15 WEATHER SYSTEM FOLLOW-ON.....	2,526	2,526	---
16 SPACE SITUATION AWARENESS SYSTEMS.....	173,074	158,074	-15,000
17 ADVANCED EHF MILSATCOM (SPACE).....	138,257	128,257	-10,000
18 POLAR MILSATCOM (SPACE).....	190,235	190,235	---
19 NEXT GENERATION OPIR.....	2,318,864	2,318,864	---
20 NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE) - EMD..	560,978	560,978	---
TOTAL, SYSTEM DEVELOPMENT & DEMONSTRATION.....	3,744,016	3,719,016	-25,000
RDT&E MANAGEMENT SUPPORT			
21 SPACE TEST AND TRAINING RANGE DEVELOPMENT.....	20,281	20,281	---
22 ACQ WORKFORCE - SPACE & MISSILE SYSTEMS.....	183,930	183,930	---
23 SPACE & MISSILE SYSTEMS CENTER - MHA.....	9,765	9,765	---
24 ROCKET SYSTEMS LAUNCH PROGRAM (SPACE).....	17,993	17,993	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
24A TACTICALLY RESPONSIVE LAUNCH.....	---	5,000	+5,000
25 SPACE TEST PROGRAM (STP).....	26,541	26,541	---
25A ASAF(SPACE) SYSTEM INTEGRATION.....	---	15,000	+15,000
TOTAL, RDT&E MANAGEMENT SUPPORT.....	258,510	278,510	+20,000
OPERATIONAL SYSTEMS DEVELOPMENT			
26 GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN).....	3,708	5,597	+1,889
27 FAMILY OF ADVANCED BLOS TERMINALS (FAB-T).....	247,229	222,229	-25,000
28 SATELLITE CONTROL NETWORK (SPACE).....	75,480	60,480	-15,000
29 NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS).....	1,984	1,984	---
30 SPACE AND MISSILE TEST EVALUATION CENTER.....	4,397	4,397	---
31 SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT.....	44,746	39,746	-5,000
32 SPACELIFT RANGE SYSTEM (SPACE).....	11,020	16,020	+5,000
33 GPS III SPACE SEGMENT.....	10,777	10,777	---
34 BALLISTIC MISSILE DEFENSE RADARS.....	28,179	28,179	---
35 NUDET DETECTION SYSTEM (SPACE).....	29,157	24,157	-5,000
36 SPACE SITUATION AWARENESS OPERATIONS.....	44,809	40,809	-4,000
37 GLOBAL POSITIONING SYSTEM III - OPERATIONAL CONTROL SEGMENT.....	481,999	481,999	---
41 ENTERPRISE GROUND SERVICES.....	116,791	116,791	---
41A NATIONAL SPACE DEFENSE CENTER (NSDC).....	---	2,687	+2,687
41B SPACE SUPERIORITY INTELLIGENCE (SSI).....	---	16,810	+16,810
41C NCMC - TW/AA SYSTEM.....	---	6,990	+6,990
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,100,276	1,079,652	-20,624
999 CLASSIFIED PROGRAMS.....	3,632,866	3,445,537	-187,329
42 JPSOC MISSION SYSTEM.....	149,742	144,742	-5,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-1,900	-1,900
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, SPACE FORCE.....	10,327,595	10,187,840	-139,755

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

R-1	Budget Request	Committee Recommended	Change from Request
<b>1 SPACE TECHNOLOGY</b>	<b>130,874</b>	<b>160,874</b>	<b>30,000</b>
Program increase - thin-film photovoltaic energy		7,000	
Program increase - hybrid space architecture		10,000	
Program increase - resilient solar power		3,000	
Program increase - ultra-lightweight solar arrays		5,000	
Program increase - link-16 space experiment		5,000	
<b>2 NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)</b>	<b>390,704</b>	<b>380,704</b>	<b>-10,000</b>
Inadequate justification		-10,000	
<b>6 SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)</b>	<b>142,808</b>	<b>151,595</b>	<b>8,787</b>
Transfer from RDTE,AF line 74		8,787	
<b>7 SPACE CONTROL TECHNOLOGY</b>	<b>35,575</b>	<b>40,575</b>	<b>5,000</b>
Program increase - high-thrust gridded ion engine		5,000	
<b>8 PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)</b>	<b>114,390</b>	<b>109,390</b>	<b>-5,000</b>
Unjustified increase		-5,000	
<b>9 PROTECTED TACTICAL SERVICE (PTS)</b>	<b>205,178</b>	<b>200,178</b>	<b>-5,000</b>
Unjustified increase - management services		-5,000	
<b>11A SPACE SECURITY AND DEFENSE PROGRAMS (SSDP)</b>	<b>0</b>	<b>56,311</b>	<b>56,311</b>
Transfer from RDTE,AF line 77		56,311	
<b>12 GPS III FOLLOW-ON (GPS IIIF)</b>	<b>263,496</b>	<b>258,496</b>	<b>-5,000</b>
Inadequate justification		-5,000	
<b>13 SPACE SITUATION AWARENESS OPERATIONS</b>	<b>41,897</b>	<b>46,897</b>	<b>5,000</b>
Program increase - commercial space domain awareness		5,000	
<b>16 SPACE SITUATION AWARENESS SYSTEMS</b>	<b>173,074</b>	<b>158,074</b>	<b>-15,000</b>
Underexecution		-15,000	
<b>17 ADVANCED EHF MILSATCOM (SPACE)</b>	<b>138,257</b>	<b>128,257</b>	<b>-10,000</b>
Program delays		-10,000	
<b>24A TACTICALLY RESPONSIVE LAUNCH</b>	<b>0</b>	<b>5,000</b>	<b>5,000</b>
Program increase		5,000	
<b>25A ASAF(SPACE) SYSTEM INTEGRATION</b>	<b>0</b>	<b>15,000</b>	<b>15,000</b>
Program increase - system engineering and planning		15,000	
<b>26 GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)</b>	<b>3,708</b>	<b>5,597</b>	<b>1,889</b>
Transfer from RDTE,AF line 301		1,889	
<b>27 FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)</b>	<b>247,229</b>	<b>222,229</b>	<b>-25,000</b>
PNVC Integrator underexecution		-15,000	
FAB-T FET underexecution		-10,000	

R-1	Budget Request	Committee Recommended	Change from Request
28 SATELLITE CONTROL NETWORK (SPACE) Underexecution	75,480	60,480 -15,000	-15,000
31 SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT Underexecution	44,746	39,746 -5,000	-5,000
32 SPACELIFT RANGE SYSTEM (SPACE) Program increase - space launch services and capability	11,020	16,020 5,000	5,000
35 NUDET DETECTION SYSTEM (SPACE) Underexecution	29,157	24,157 -5,000	-5,000
36 SPACE SITUATION AWARENESS OPERATIONS Inadequate justification	44,809	40,809 -4,000	-4,000
41A NATIONAL SPACE DEFENSE CENTER (NSDC) Transfer from RDTE,AF line 316	0	2,687 2,687	2,687
41B SPACE SUPERIORITY INTELLIGENCE (SSI) Transfer from RDTE,AF line 314	0	16,810 16,810	16,810
41C NCMC - TW/AA SYSTEM Transfer from RDTE,AF line 318	0	6,990 6,990	6,990
42 JSPOC MISSION SYSTEM/SPACE C2 Unjustified increase	149,742	144,742 -5,000	-5,000
999 CLASSIFIED PROGRAMS Classified adjustment	3,632,866	3,445,537 -187,329	-187,329
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-1,900	-1,900



## SPACE FORCE ORGANIZATION AND MANAGEMENT

The Committee believes the primary mission of the United States Space Force is to provide capabilities from space in support of all combatant commands, and views protecting and defending the assets operating in the space domain as a necessary, but derived, mission to assure space capabilities are available to support all combatant commands during conflict. The Committee views the Space Force investment priorities through this lens and expects the Space Force will devote more time, attention, and funding to critical support capabilities, particularly with the weather satellite program and future strategic satellite communications program.

The Committee, however, is most concerned that the Department of the Air Force has no Senate-confirmed senior civilian leader solely focused on space with authority over acquisition, budget, and long-term planning. The Committee believes this is a fundamental problem which must be addressed for the Space Force to succeed. Unlike the other Services, the Space Force budget is dominated by unique technology-driven investments and system acquisitions with research and development and procurement accounting for more than 80 percent of the Space Force budget, with only 16 percent for operations. A key challenge for the Space Force is addressing the slow pace of acquisition, accelerating the delivery of next-generation capabilities, and improving its systems engineering and programmatic discipline, particularly with respect to cost and schedule. The unique nature of space program management and systems engineering require dedicated civilian oversight and control for space programs. However, the Space Force does not yet have a dedicated Service Acquisition Executive to focus exclusively on these unique acquisition challenges. Therefore, the Committee strongly urges the Secretary of the Air Force to accelerate the transition of the Service Acquisition Executive authority to the Assistant Secretary of the Air Force for Space Acquisition and Integration and to seek a space acquisition professional to serve in this position. Further, the Committee recommendation includes \$15,000,000 for use by the Assistant Secretary of the Air Force for Space Acquisition and Integration for systems engineering and planning to ensure the integration of Space Force capabilities across the national security space enterprise and user community.

Finally, the Committee is aware that the Department intends to eventually transfer space elements of the Army, Navy, and defense agencies into the Space Force. The Committee is concerned about potential disruption and unintended consequences of such transfers, and cautions that it will not be supportive of such transfers without convincing justifications that they will not adversely impact the Army, Navy, and affected defense agencies, and that the transfers are necessary to improve national security. The Committee recommendation includes a general provision directing the Secretary of Defense to provide a certification to the House and Senate Appropriations Committees not less than 60 days before making such transfers.

## NEXT GENERATION OVERHEAD PERSISTENT INFRARED

The Committee recommendation fully funds the budget request of \$2,318,864,000 for the Next-Generation Overhead Persistent Infrared (OPIR) program. The Committee appreciates that the fiscal year 2021 request provides sufficient funding to continue the planned program without relying on reprogramming requests as has been the case in recent years. However, the Committee continues to be concerned that the Space Force is not adequately planning and budgeting for the program over the next five years. The fiscal year 2021 budget request relies on significant realignments of funds to fix near-term budget shortfalls at the expense of increasing technical, schedule, and budget risk over the next five years, especially for the polar satellite and ground segments of the program. Further, the Committee is concerned that the decision to fund the ground segment to a level that will only deliver the minimum viable capability, with performance comparable to the legacy systems, raises questions about the return on the investments made in the Next-Generation OPIR Block 0 system and the soundness of the program plan. Therefore, the Committee directs the Director of Cost Assessment and Program Evaluation to provide the congressional defense committees, not later than 60 days after the enactment of this Act, with its most recent analyses and cost estimates for the program.

## OVERHEAD PERSISTENT INFRARED ENTERPRISE ARCHITECTURE

The Department of Defense Appropriations Act, 2020 directed the Secretary of Defense to develop an integrated enterprise architecture to clearly articulate a realistic and affordable plan to meet the requirements for strategic and tactical missile warning, missile defense, battlespace awareness, and technical intelligence mission areas. The Committee reiterates its expectation that this plan will be delivered to the congressional defense committees by the September 2020 deadline.

## NATIONAL SECURITY SPACE LAUNCH PROGRAM

The Committee supports the Space Force's National Security Space Launch (NSSL) program acquisition strategy and plan to award launch service procurement contracts to no more than two launch providers. This meets the statutory guidance for two launch providers for assured access to space, enables continued competition, and maximizes efficiency through economies of scale. The Committee is aware that transitioning from the legacy launch vehicles to new systems entails potential risks. Therefore, the Committee directs the Secretary of the Air Force to provide the congressional defense committees, not later than 60 days after the enactment of this Act, with a detailed transition plan on how the Space Force intends to manage program and mission risks over this transition period.

The Committee recommendation fully funds the budget request of \$560,978,000 for research, development, test, and evaluation, but notes that this assumes the maximum amount needed to continue funding the current launch service agreements and is subject to revision once the source selection is made.

The Committee recommendation provides \$933,271,000 for NSSL procurement, a reduction of \$109,900,000. The Committee is concerned with the cost of the NSSL procurements, which account for more than 40 percent of the Space Force procurement budget. The Committee is aware that the cost of launch services has dropped significantly in recent years as a result of increased competition from new entrants, yet the requested budget does not follow this downward trend, and remains stubbornly high, raising questions about the government's cost to manage and oversee the program. The Committee believes commercial practices must remain the cornerstone of the launch program and should only incorporate mission assurance practices that improve it.

Furthermore, the Committee believes the level of detail provided in the budget justification materials for the NSSL program is lacking and needs an overhaul to provide greater consistency, clarity, and finer granularity to justify the costs of the program. Therefore, the Committee directs the Secretary of the Air Force to provide the congressional defense committees, not later than 90 days after the enactment of this Act, a plan to revamp the budget structure and improve the quality of justification materials in future budget submissions.

#### DIRECTED ENERGY RESEARCH COLLABORATION

The Committee supports the Department's increased focus on the threats and challenges posed by directed energy systems, including directed energy microwaves and lasers. Given the large, skilled workforce needed in this critical area in the future, the Committee encourages the Secretary of Defense to increase collaboration with universities and defense laboratories focused on directed energy research, education, testing, and technology transfer.

#### RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Fiscal year 2020 appropriation .....	\$25,938,027,000
Fiscal year 2021 budget request .....	24,280,891,000
Committee recommendation .....	24,617,177,000
Change from budget request .....	+336,286,000

The Committee recommends an appropriation of \$24,617,177,000 for Research, Development, Test and Evaluation, Defense-Wide which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE			
1 BASIC RESEARCH			
DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH..	14,617	14,617	---
2 DEFENSE RESEARCH SCIENCES.....	479,958	479,958	---
3 BASIC RESEARCH INITIATIVES.....	35,565	67,565	+32,000
4 BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE.....	53,730	53,730	---
5 NATIONAL DEFENSE EDUCATION PROGRAM.....	100,241	137,241	+37,000
6 HISTORICALLY BLACK COLLEGES & UNIV (HBCU).....	30,975	81,300	+50,325
7 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	45,300	50,300	+5,000
TOTAL, BASIC RESEARCH.....	760,386	884,711	+124,325
8 APPLIED RESEARCH			
JOINT MUNITIONS TECHNOLOGY.....	19,409	19,409	---
9 BIOMEDICAL TECHNOLOGY.....	107,568	107,568	---
11 DEFENSE TECHNOLOGY INNOVATION.....	35,000	17,500	-17,500
12 LINCOLN LABORATORY RESEARCH PROGRAM.....	41,080	41,080	---
13 APPLIED RESEARCH FOR ADVANCEMENT S&T PRIORITIES.....	60,722	54,335	-6,387
14 INFORMATION AND COMMUNICATIONS TECHNOLOGY.....	435,920	423,920	-12,000
15 BIOLOGICAL WARFARE DEFENSE.....	26,950	26,950	---
16 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	201,807	201,807	---
17 CYBER SECURITY RESEARCH.....	15,255	25,255	+10,000
18 TACTICAL TECHNOLOGY.....	233,271	237,271	+4,000
19 MATERIALS AND BIOLOGICAL TECHNOLOGY.....	250,107	245,107	-5,000
20 ELECTRONICS TECHNOLOGY.....	322,693	322,693	---
21 WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES.....	174,571	174,571	---
22 SOFTWARE ENGINEERING INSTITUTE.....	9,573	9,573	---
23 SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT.....	42,464	47,464	+5,000
TOTAL, APPLIED RESEARCH.....	1,976,390	1,954,603	-21,887
24 ADVANCED TECHNOLOGY DEVELOPMENT			
JOINT MUNITIONS ADVANCED TECH INSENSITIVE MUNITIONS AD	22,920	22,920	---
25 SO/LIC ADVANCED DEVELOPMENT.....	4,914	4,914	---
26 COMBATING TERRORISM TECHNOLOGY SUPPORT.....	51,089	123,589	+72,500
27 FOREIGN COMPARATIVE TESTING.....	25,183	25,183	---
29 COUNTERPROLIFERATION INITIATIVES--PROLIF PREV & DEFEAT	366,659	371,659	+5,000
30 ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT.....	14,910	19,910	+5,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
32 ADVANCED RESEARCH.....	18,687	23,687	+5,000
33 JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT.....	18,873	18,873	---
34 ADVANCED AEROSPACE SYSTEMS.....	230,978	223,478	-7,500
35 SPACE PROGRAMS AND TECHNOLOGY.....	158,439	151,439	-7,000
36 ANALYTIC ASSESSMENTS.....	23,775	23,775	---
37 ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS.....	36,524	36,524	---
38 ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS - MHA.....	14,703	14,703	---
39 COMMON KILL VEHICLE TECHNOLOGY.....	11,058	11,058	---
40 DEFENSE MODERNIZATION AND PROTOTYPING.....	133,375	121,173	-12,202
42 DEFENSE INNOVATION UNIT .....	26,141	26,141	---
43 TECHNOLOGY INNOVATION.....	27,709	27,709	---
44 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEV	188,001	191,001	+3,000
45 RETRACT LARCH.....	130,283	130,283	---
46 JOINT ELECTRONIC ADVANCED TECHNOLOGY.....	15,164	14,164	-1,000
47 JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS.....	85,452	85,452	---
48 NETWORKED COMMUNICATIONS CAPABILITIES.....	5,882	4,661	-1,221
49 DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	93,817	217,317	+123,500
50 MANUFACTURING TECHNOLOGY PROGRAM.....	40,025	60,025	+20,000
52 GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS.....	10,235	15,235	+5,000
53 STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM.....	53,862	88,862	+35,000
54 MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT....	124,049	131,049	+7,000
55 JOINT WARFIGHTING PROGRAM.....	3,871	3,871	---
56 ADVANCED ELECTRONICS TECHNOLOGIES.....	95,864	95,864	---
57 COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS.....	221,724	221,724	---
58 NETWORK-CENTRIC WARFARE TECHNOLOGY.....	661,158	646,158	-15,000
59 SENSOR TECHNOLOGY.....	200,220	188,220	-12,000
60 DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT..	6,765	6,765	---
61 SOFTWARE ENGINEERING INSTITUTE.....	12,598	12,598	---
64 HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM.....	105,410	99,770	-5,640
65 TEST & EVALUATION SCIENCE & TECHNOLOGY.....	187,065	154,365	-32,700
66 NATIONAL SECURITY INNOVATION NETWORK.....	---	20,000	+20,000
67 OPERATIONAL ENERGY CAPABILITY IMPROVEMENT.....	---	10,000	+10,000
70 SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT....	89,072	89,072	---
71 SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT.	72,422	72,422	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT.....	3,588,876	3,805,613	+216,737
DEMONSTRATION & VALIDATION			
72 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT..	32,636	32,636	---
73 WALKOFF.....	106,529	101,529	-5,000
75 ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	61,345	77,345	+16,000
76 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT....	412,627	319,960	-92,667
77 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT...	1,004,305	926,305	-78,000
78 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	76,167	76,167	---
79 BALLISTIC MISSILE DEFENSE SENSORS.....	281,957	281,957	---
80 BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS.....	599,380	599,380	---
81 SPECIAL PROGRAMS - MDA.....	420,216	420,216	---
82 AEGIS BMD.....	814,936	771,336	-43,600
83 BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT.....	593,353	593,353	---
84 BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT....	49,560	49,560	---
85 BALLISTIC MISSILE DEFENSE INTERGRATION AND OPERATIONS CENTER (MDIOC).....	55,356	55,356	---
86 REGARDING TRENCH.....	11,863	11,863	---
87 SEA BASED X-BAND RADAR (SBX).....	118,318	118,318	---
88 ISRAELI COOPERATIVE PROGRAMS.....	300,000	300,000	---
89 BALLISTIC MISSILE DEFENSE TEST.....	378,302	378,302	---
90 BALLISTIC MISSILE DEFENSE TARGETS.....	536,133	536,133	---
92 COALITION WARFARE.....	10,129	10,129	---
93 NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (56).....	449,000	430,000	-19,000
94 DEPARTMENT OF DEFENSE CORROSION PROGRAM.....	3,325	5,325	+2,000
95 TECHNOLOGY MATURATION INITIATIVES.....	67,389	109,389	+42,000
98 HYPERSONIC DEFENSE.....	206,832	192,832	-14,000
99 ADVANCED INNOVATIVE TECHNOLOGIES.....	730,508	692,008	-38,500
100 TRUSTED AND ASSURED MICROELECTRONICS.....	489,076	504,076	+15,000
101 RAPID PROTOTYPING PROGRAM.....	102,023	80,000	-22,023
102 DEFENSE INNOVATION UNIT (DIU) PROTOTYPING.....	13,255	13,255	---
103 DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT.	2,787	2,787	---
105 HOMELAND DEFENSE RADAR-HAWAII.....	---	133,000	+133,000
107 WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)....	3,469	3,469	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
109 JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY.....	19,190	19,190	---
110 LONG RANGE DISCRIMINATION RADAR.....	137,256	137,256	---
111 IMPROVED HOMELAND DEFENSE INTERCEPTORS.....	664,138	504,638	-159,500
112 BMD TERMINAL DEFENSE SEGMENT TEST.....	7,768	7,768	---
113 AEGIS BMD TEST.....	170,880	139,343	-31,537
114 BALLISTIC MISSILE DEFENSE SENSOR TEST.....	76,456	76,456	---
115 LAND-BASED SM-3 (LBSM3).....	56,628	56,628	---
116 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT TEST.....	67,071	67,071	---
118 ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS.....	2,198	2,198	---
119 JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM.....	997	997	---
120 CYBER SECURITY INITIATIVE.....	1,148	1,148	---
121 SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING.....	215,994	95,994	-120,000
122 SPACE TRACKING AND SURVEILLANCE SYSTEM.....	34,144	34,144	---
123 BALLISTIC MISSILE DEFENSE SYSEM SPACE PROGRAMS.....	32,068	152,068	+120,000
TOTAL, DEMONSTRATION & VALIDATION.....	9,416,712	9,120,885	-295,827
ENGINEERING & MANUFACTURING DEVELOPMENT			
124 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT..	7,173	7,173	---
125A JOINT HYPERSONICS TRANSITION OFFICE.....	---	90,000	+90,000
126 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	319,976	346,972	+26,996
127 JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	54,985	44,318	-10,667
128 WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES.....	15,650	15,650	---
129 INFORMATION TECHNOLOGY DEVELOPMENT.....	1,441	1,441	---
130 HOMELAND PERSONNEL SECURITY INITIATIVE.....	7,287	7,287	---
131 DEFENSE EXPORTABILITY PROGRAM.....	12,928	12,928	---
132 OUSD(C) IT DEVELOPMENT INITIATIVES.....	10,259	10,259	---
133 DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION..	1,377	1,377	---
134 DCMO POLICY AND INTEGRATION.....	1,648	1,618	-30
135 DEFENSE AGENCY INITIATIVES FINANCIAL SYSTEM.....	20,537	20,537	---
136 DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS).....	1,638	1,638	---
137 MISSION ASSURANCE RISK MANAGEMENT SYSTEM (MARMS).....	5,500	5,500	---
138 DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES.....	8,279	8,279	---
139 TRUSTED & ASSURED MICROELECTRONICS.....	107,585	107,585	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
140 NUCLEAR COMMAND, CONTROL, & COMMUNICATIONS.....	3,685	3,685	---
143 DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)...	3,275	3,275	---
144 CWMDS SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION....	20,585	18,163	-2,422
TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	603,808	707,685	+103,877
RD&E MANAGEMENT SUPPORT			
145 JOINT CAPABILITY EXPERIMENTATION.....	11,239	11,239	---
146 DEFENSE READINESS REPORTING SYSTEM (DRRS).....	9,793	9,724	-69
147 JOINT SYSTEMS ARCHITECTURE DEVELOPMENT.....	8,497	8,497	---
148 CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT....	422,451	418,501	-3,950
149 ASSESSMENTS AND EVALUATIONS.....	18,379	18,379	---
150 MISSION SUPPORT.....	74,334	74,334	---
151 JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC).....	79,046	79,046	---
153 JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION.	50,255	50,255	---
154 USD (P) PROGRAMS.....	---	103,400	+103,400
155 SYSTEMS ENGINEERING.....	49,376	49,376	---
156 STUDIES AND ANALYSIS SUPPORT.....	5,777	5,777	---
157 NUCLEAR MATTERS - PHYSICAL SECURITY.....	16,552	13,991	-2,561
158 SUPPORT TO NETWORKS AND INFORMATION INTEGRATION.....	9,582	9,582	---
159 GENERAL SUPPORT TO USD (INTELLIGENCE).....	1,940	7,940	+6,000
160 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	122,951	127,951	+5,000
167 SMALL BUSINESS INNOVATION RESEARCH/TECHNOLOGY TRANSFER	3,582	3,582	---
168 MAINTAINING TECHNOLOGY ADVANTAGE.....	29,566	29,566	---
169 DEFENSE TECHNOLOGY ANALYSIS.....	29,059	20,359	-8,700
170 DEFENSE TECHNICAL INFORMATION CENTER (DTIC).....	59,369	57,716	-1,653
171 R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	29,420	29,420	---
172 DEVELOPMENT TEST AND EVALUATION.....	27,198	27,198	---
173 MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT).....	13,434	13,434	---
MANAGEMENT HEADQUARTERS DEFENSE TECHNICAL INFORMATION			
174 CENTER (DTIC).....	2,837	2,837	---
175 BUDGET AND PROGRAM ASSESSMENTS.....	13,173	10,099	-3,074
176 ODA TECHNOLOGY AND RESOURCE ANALYSIS.....	3,200	3,200	---
177 DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT.....	999	999	---
180 DEFENSE OPERATIONS SECURITY (OPSEC).....	3,099	15,599	+12,500
181 JOINT STAFF ANALYTICAL SUPPORT.....	3,058	3,058	---



(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
182 C4I INTEROPERABILITY.....	59,813	59,813	---
185 INFORMATION SYSTEMS SECURITY PROGRAM.....	1,112	1,112	---
186 SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES...	545	545	---
187 DEFENSE MILITARY DECEPTION PROGRAM OFFICE.....	1,036	1,036	---
188 COMBINED ADVANCED APPLICATIONS.....	30,824	30,824	---
190 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	3,048	3,048	---
194 COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION.	31,125	31,125	---
195 DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI)	100	100	---
196 MANAGEMENT HEADQUARTERS - MDA.....	26,902	26,902	---
197 JOINT SERVICE PROVIDER (JSP).....	3,138	3,138	---
9999 CLASSIFIED PROGRAMS.....	41,583	41,583	---
TOTAL, RDT&E MANAGEMENT SUPPORT.....	1,297,392	1,404,285	+106,893
OPERATIONAL SYSTEMS DEVELOPMENT			
199 ENTERPRISE SECURITY SYSTEM (ESS).....	14,378	14,378	---
200 JOINT ARTIFICIAL INTELLIGENCE.....	132,058	137,058	+5,000
201 REGIONAL INTERNATIONAL OUTREACH & PARTNERSHIP FOR PEAC	1,986	1,986	---
202 OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SY	316	316	---
203 INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT.....	9,151	119,651	+110,500
204 OPERATIONAL SYSTEMS DEVELOPMENT.....	19,082	16,966	-2,116
205 GLOBAL THEATER SECURITY COOPERATION MANAGEMENT.....	3,992	3,992	---
206 CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D	39,530	39,530	---
207 PLANNING AND DECISION AID SYSTEM.....	3,039	3,039	---
212 DEFENSE INFO INFRASTRUCTURE ENGINEERING & INTEGRATION.	16,324	16,324	---
213 LONG HAUL COMMUNICATIONS (DCS).....	11,884	11,884	---
214 MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK....	5,560	5,560	---
215 KEY MANAGEMENT INFRASTRUCTURE (KMI).....	73,356	73,356	---
216 INFORMATION SYSTEMS SECURITY PROGRAM.....	46,577	46,577	---
217 INFORMATION SYSTEMS SECURITY PROGRAM.....	356,713	374,713	+18,000
218 INFORMATION SYSTEMS SECURITY PROGRAM.....	8,922	13,422	+4,500
219 GLOBAL COMMAND AND CONTROL SYSTEM.....	3,695	3,695	---
220 JOINT SPECTRUM CENTER (DEFENSE SPECTRUM ORGANIZATION).	20,113	20,113	---
223 JOINT REGIONAL SECURITY STACKS (JRSS).....	9,728	9,728	---
231 SECURITY AND INVESTIGATIVE ACTIVITIES.....	5,700	5,700	---

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
235 POLICY R&D PROGRAMS.....	7,144	6,301	-843
236 NET CENTRICITY.....	21,793	21,793	---
238 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS.....	6,066	6,066	---
244 INSIDER THREAT.....	---	3,000	+3,000
245 HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM.....	2,190	2,190	---
252 LOGISTICS SUPPORT ACTIVITIES.....	1,654	1,654	---
253 PACIFIC DISASTER CENTERS.....	1,785	1,785	---
254 DEFENSE PROPERTY ACCOUNTABILITY SYSTEM.....	7,301	7,301	---
256 MQ-9 UAV.....	21,265	21,265	---
258 AVIATION SYSTEMS.....	230,812	250,812	+20,000
259 SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT...	19,558	26,558	+7,000
260 SOF OPERATIONAL ENHANCEMENTS.....	136,041	173,041	+37,000
261 WARRIOR SYSTEMS.....	59,511	58,333	-1,178
262 SPECIAL PROGRAMS.....	10,500	7,500	-3,000
263 UNMANNED ISR.....	19,154	15,154	-4,000
264 SOF TACTICAL VEHICLES.....	9,263	14,263	+5,000
265 SOF MARITIME SYSTEMS.....	59,882	64,582	+4,700
266 SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES.....	4,606	4,606	---
267 SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE.....	11,612	11,612	---
268 SOF TELEPORT PROGRAM.....	3,239	3,239	---
TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,415,480	1,619,043	+203,563
999 CLASSIFIED PROGRAMS.....	4,746,466	4,728,466	-18,000
269 NATIONAL BACKGROUND INVESTIGATION SERVICES - SOFTWARE PILOT PROGRAM.....	121,676	101,676	-20,000
270 ACQUISITION VISIBILITY - SOFTWARE PILOT PROGRAM.....	16,848	16,848	---
271 GLOBAL COMMAND AND CONTROL SYSTEM.....	86,750	86,750	---
272 ALGORITHMIC WARFARE CROSS FUNCTIONAL TEAMS - SOFTWARE PILOT PROGRAM.....	250,107	205,107	-45,000
UNDISTRIBUTED REDUCTION.....	---	-18,395	-18,395
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE.....	24,280,891	24,617,177	+336,286

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

R-1		Budget Request	Committee Recommended	Change from Request
2	<b>DEFENSE RESEARCH SCIENCES</b>	<b>479,958</b>	<b>479,958</b>	<b>0</b>
	Unjustified increase		-8,000	
	Program increase - foundational artificial intelligence		5,000	
	Program increase - alternative computing		3,000	
3	<b>BASIC RESEARCH INITIATIVES</b>	<b>35,565</b>	<b>67,565</b>	<b>32,000</b>
	Minerva research initiative funding restoration		17,000	
	Program increase - DEPSOR		15,000	
5	<b>NATIONAL DEFENSE EDUCATION PROGRAM</b>	<b>100,241</b>	<b>137,241</b>	<b>37,000</b>
	Program increase - basic research		35,000	
	Program increase - civics education		2,000	
6	<b>HISTORICALLY BLACK COLLEGES &amp; UNIVERSITIES (HBCU) AND MINORITY-SERVING INSTITUTIONS</b>	<b>30,975</b>	<b>81,300</b>	<b>50,325</b>
	Program increase		49,325	
	Program increase - minority STEM recruitment and research		1,000	
7	<b>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>45,300</b>	<b>50,300</b>	<b>5,000</b>
	Program increase - water jet technology		5,000	
11	<b>DEFENSE TECHNOLOGY INNOVATION</b>	<b>35,000</b>	<b>17,500</b>	<b>-17,500</b>
	Insufficient justification		-17,500	
13	<b>APPLIED RESEARCH FOR THE ADVANCEMENT OF S&amp;T PRIORITIES</b>	<b>60,722</b>	<b>54,335</b>	<b>-6,387</b>
	Excess growth		-6,387	
14	<b>INFORMATION AND COMMUNICATIONS TECHNOLOGY</b>	<b>435,920</b>	<b>423,920</b>	<b>-12,000</b>
	Unjustified increase		-12,000	
17	<b>CYBER SECURITY RESEARCH</b>	<b>15,255</b>	<b>25,255</b>	<b>10,000</b>
	Program increase - academic cyber institutes		10,000	
18	<b>TACTICAL TECHNOLOGY</b>	<b>233,271</b>	<b>237,271</b>	<b>4,000</b>
	Program increase - counter-directed energy laser eye protection research		4,000	
19	<b>MATERIALS AND BIOLOGICAL TECHNOLOGY</b>	<b>250,107</b>	<b>245,107</b>	<b>-5,000</b>
	Unjustified increase		-5,000	
23	<b>SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT</b>	<b>42,464</b>	<b>47,464</b>	<b>5,000</b>
	Program increase -sustained human performance and resilience		5,000	
26	<b>COMBATING TERRORISM TECHNOLOGY SUPPORT</b>	<b>51,089</b>	<b>123,589</b>	<b>72,500</b>
	Program increase - anti-tunneling		47,500	
	Program increase - cooperative C-UAS development		25,000	

R-1	Budget Request	Committee Recommended	Change from Request
<b>COUNTER WEAPONS OF MASS DESTRUCTION</b>			
29 ADVANCED TECHNOLOGY DEVELOPMENT	366,659	371,659	5,000
Program increase - strategic systems defeat		5,000	
<b>ADVANCED CONCEPTS AND PERFORMANCE</b>			
30 ASSESSMENT	14,910	19,910	5,000
Program increase - cybersecurity of MDA DV left and right of launch		5,000	
32 ADVANCED RESEARCH	18,687	23,687	5,000
Program increase - adaptive-optics		5,000	
34 ADVANCED AEROSPACE SYSTEMS	230,978	223,478	-7,500
Inadequate justification		-10,000	
Program increase - advanced full range engine		2,500	
35 SPACE PROGRAMS AND TECHNOLOGY	158,439	151,439	-7,000
Inadequate justification		-7,000	
40 DEFENSE MODERNIZATION AND PROTOTYPING	133,375	121,173	-12,202
Insufficient justification		-19,702	
Program increase - emerging capabilities technology support		7,500	
<b>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM -</b>			
44 ADVANCED DEVELOPMENT	188,001	191,001	3,000
Program increase - high air flow chem/bio filtration system enhancement		3,000	
46 JOINT ELECTRONIC ADVANCED TECHNOLOGY	15,164	14,164	-1,000
Excess growth		-1,000	
48 NETWORKED COMMUNICATIONS CAPABILITIES	5,882	4,661	-1,221
Excess growth		-1,221	
<b>DEFENSE-WIDE MANUFACTURING SCIENCE AND</b>			
49 TECHNOLOGY PROGRAM	93,817	217,317	123,500
Program increase		26,000	
Program increase - flexible hybrid electronics		10,000	
Program increase - high temperature carbon composites manufacturing		7,000	
Program increase - digital manufacturing		7,000	
Program increase - additive manufacturing training insertion		2,000	
Program increase - hypersonic enabling additive manufacturing		10,000	
Program increase - advanced manufacturing		14,000	
Program increase - hypersonics advanced manufacturing technology center		25,000	
Program increase - 5G manufacturing testbeds		5,000	
Program increase - advanced structural manufacturing		7,500	
Program increase - manufacturing USA institutes		5,000	
Program increase - HPC enabled advanced manufacturing		5,000	

R-1	Budget Request	Committee Recommended	Change from Request
50 MANUFACTURING TECHNOLOGY PROGRAM	40,025	60,025	20,000
Program increase - steel performance initiative		10,000	
Program increase - supply chain adoption of additive manufacturing, automation, and robotics		10,000	
GENERIC LOGISTICS R&D TECHNOLOGY			
52 DEMONSTRATIONS	10,235	15,235	5,000
Program increase - additive manufacturing castings modeling		5,000	
53 STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	53,862	88,862	35,000
Program increase - PFAS remediation and disposal technology		15,000	
Program increase - AFFF replacement, disposal, and cleanup technology		15,000	
Program increase - PFAS innovation award fund		5,000	
54 MICROELECTRONIC TECHNOLOGY DEVELOPMENT	124,049	131,049	7,000
MGUE - DLA requested transfer from P,DW line 23		7,000	
58 NETWORK-CENTRIC WARFARE TECHNOLOGY	661,158	646,158	-15,000
Classified project - unjustified increase		-10,000	
Unjustified increase		-5,000	
59 SENSOR TECHNOLOGY	200,220	188,220	-12,000
Unjustified increase		-12,000	
HIGH ENERGY LASER ADVANCED TECHNOLOGY			
64 PROGRAM	105,410	99,770	-5,640
Excess growth		-13,140	
Program increase - power and thermal systems		7,500	
65 TEST & EVALUATION SCIENCE & TECHNOLOGY	187,065	154,365	-32,700
Excess growth electronic warfare test		-32,700	
66 NATIONAL SECURITY INNOVATION NETWORK	0	20,000	20,000
Program increase		20,000	
67 OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	0	10,000	10,000
TRISO fuel production		10,000	
73 WALKOFF	106,529	101,529	-5,000
Excess growth		-5,000	
ENVIRONMENTAL SECURITY TECHNICAL			
75 CERTIFICATION PROGRAM	61,345	77,345	16,000
Program increase - PFAS remediation and disposal technology		15,000	
Program increase - AFFF alternatives for shore-based aircraft hangers		1,000	

R-1	Budget Request	Committee Recommended	Change from Request
<b>BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE</b>			
76 <b>SEGMENT</b>	412,627	319,960	-92,667
Unjustified growth		-92,667	
<b>BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE</b>			
77 <b>SEGMENT</b>	1,004,305	926,305	-78,000
Inadequate justification		-78,000	
<b>AEGIS BMD</b>	814,936	771,336	-43,600
Excess growth		-43,600	
<b>NEXT GENERATION INFORMATION COMMUNICATIONS</b>			
93 <b>TECHNOLOGY (5G)</b>	449,000	430,000	-19,000
Historical underexecution		-19,000	
<b>DEPARTMENT OF DEFENSE CORROSION PROGRAM</b>	3,325	5,325	2,000
Program increase - military painter training and applied research		2,000	
<b>TECHNOLOGY MATURATION INITIATIVES</b>	67,389	109,389	42,000
Program increase - DPAL		42,000	
<b>HYPERSONIC DEFENSE</b>	206,832	192,832	-14,000
Hypersonic regional glide phase weapon system OTA contract delay		-14,000	
<b>ADVANCED INNOVATIVE TECHNOLOGIES</b>	730,508	692,008	-38,500
Fable program adjustment		-15,000	
Delphi program adjustment		-12,500	
Poor funds management		-51,000	
Program increase - mobile nuclear microreactor		40,000	
<b>TRUSTED &amp; ASSURED MICROELECTRONICS</b>	489,076	504,076	15,000
Program increase - GaN and GaAs RFIC technology		10,000	
Program increase - trusted artificial intelligence		5,000	
<b>RAPID PROTOTYPING PROGRAM</b>	102,023	80,000	-22,023
Program decrease		-22,023	
<b>HOMELAND DEFENSE RADAR - HAWAII</b>	0	133,000	133,000
HDR-H funding restoration		133,000	
<b>IMPROVED HOMELAND DEFENSE INTERCEPTORS</b>	664,138	504,638	-159,500
Next generation interceptor contract award delay		-159,500	
<b>AEGIS BMD TEST</b>	170,880	139,343	-31,537
Excess growth		-31,537	
<b>SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING</b>	215,994	95,994	-120,000
Hypersonic and ballistic tracking space sensor - transfer to line 123		-120,000	

R-1	Budget Request	Committee Recommended	Change from Request
<b>BALLISTIC MISSILE DEFENSE SYSTEM SPACE</b>			
<b>123 PROGRAMS</b>	<b>32,068</b>	<b>152,068</b>	<b>120,000</b>
Hypersonic and ballistic tracking space sensor - transfer from line 121		120,000	
<b>125A JOINT HYPERSONICS TRANSITION OFFICE</b>	<b>0</b>	<b>90,000</b>	<b>90,000</b>
Program increase - Joint Hypersonics Transition Office		90,000	
<b>126 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>319,976</b>	<b>346,972</b>	<b>26,996</b>
Joint vaccine for botulinum and plague vaccines funding restoration		26,996	
<b>JOINT TACTICAL INFORMATION DISTRIBUTION</b>			
<b>127 SYSTEM (JTIDS)</b>	<b>54,985</b>	<b>44,318</b>	<b>-10,667</b>
Excess growth		-10,667	
<b>134 CMO POLICY AND INTEGRATION</b>	<b>1,648</b>	<b>1,618</b>	<b>-30</b>
Program decrease		-30	
<b>CWMD SYSTEMS: SYSTEM DEVELOPMENT AND</b>			
<b>144 DEMONSTRATION</b>	<b>20,585</b>	<b>18,163</b>	<b>-2,422</b>
Excess growth		-2,422	
<b>146 DEFENSE READINESS REPORTING SYSTEM (DRRS)</b>	<b>9,793</b>	<b>9,724</b>	<b>-69</b>
Program decrease		-69	
<b>148 CENTRAL TEST &amp; EVAL INVESTMENT DEVELOPMENT</b>	<b>422,451</b>	<b>418,501</b>	<b>-3,950</b>
Electronic warfare test excess growth		-34,150	
Program increase - hypersonic test facilities		20,000	
Program increase - telemetry extension SATCOM relay		5,000	
Program increase - threat force geospatial platform virtual training environment		5,200	
<b>154 CLASSIFIED PROGRAM USD(P)</b>	<b>0</b>	<b>103,400</b>	<b>103,400</b>
Classified adjustment		103,400	
<b>157 NUCLEAR MATTERS - PHYSICAL SECURITY</b>	<b>16,552</b>	<b>13,991</b>	<b>-2,561</b>
Excess growth		-2,561	
<b>159 GENERAL SUPPORT TO USD (INTELLIGENCE)</b>	<b>1,940</b>	<b>7,940</b>	<b>6,000</b>
Program increase - applied research laboratory for intelligence and security		6,000	
<b>160 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>	<b>122,951</b>	<b>127,951</b>	<b>5,000</b>
Program increase - biological weapons testing		5,000	
<b>169 DEFENSE TECHNOLOGY ANALYSIS</b>	<b>29,059</b>	<b>20,359</b>	<b>-8,700</b>
Excess growth		-8,700	
<b>170 DEFENSE TECHNICAL INFORMATION CENTER (DTIC)</b>	<b>59,369</b>	<b>57,716</b>	<b>-1,653</b>
Program decrease		-1,653	

R-1	Budget Request	Committee Recommended	Change from Request
<b>175 BUDGET AND PROGRAM ASSESSMENTS</b>	<b>13,173</b>	<b>10,099</b>	<b>-3,074</b>
Unjustified growth		-3,074	
<b>180 DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)</b>	<b>3,099</b>	<b>15,599</b>	<b>12,500</b>
Program increase - cyber kinetic combat environment		12,500	
<b>200 JOINT ARTIFICIAL INTELLIGENCE</b>	<b>132,058</b>	<b>137,058</b>	<b>5,000</b>
Program increase - commercial geospatial analytics		5,000	
<b>INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT</b>			
<b>203 SUPPORT</b>	<b>9,151</b>	<b>119,651</b>	<b>110,500</b>
Program increase		15,000	
Program increase - freeze dried plasma		10,000	
Program increase - submarine workforce development		4,000	
Program increase - frequency selective limiters		5,000	
Program increase - high performance weldable armor		5,000	
Program increase - lead-free electronics		10,000	
Program increase - automated textile manufacturing		7,500	
Program increase - precision optics manufacturing		4,000	
Program increase - machine tooling and advanced manufacturing		10,000	
Program increase - metal-organic frameworks		7,500	
Program increase - shape memory alloys		5,000	
Program increase - weldable ultra hard armor		4,000	
Program increase - industrial skills		3,500	
Program increase - pilot mask technology		10,000	
Program increase - active matrix organic light emitting diode		5,000	
Program increase - risk reduction for tungsten defense products		5,000	
<b>CWMD SYSTEMS: OPERATIONAL SYSTEMS</b>			
<b>204 DEVELOPMENT</b>	<b>19,082</b>	<b>16,966</b>	<b>-2,116</b>
Excess growth		-2,116	
<b>217 INFORMATION SYSTEMS SECURITY PROGRAM</b>	<b>356,713</b>	<b>374,713</b>	<b>18,000</b>
Program increase - cyber activities at senior military colleges		18,000	
<b>218 INFORMATION SYSTEMS SECURITY PROGRAM</b>	<b>8,922</b>	<b>13,422</b>	<b>4,500</b>
Sharkseer funding restoration		4,500	
<b>235 POLICY R&amp;D PROGRAMS</b>	<b>7,144</b>	<b>6,301</b>	<b>-843</b>
Program decrease		-843	
<b>244 INSIDER THREAT</b>	<b>0</b>	<b>3,000</b>	<b>3,000</b>
Program increase - advanced background screening and detection		3,000	
<b>SPECIAL OPERATIONS AVIATION SYSTEMS</b>			
<b>258 ADVANCED DEVELOPMENT</b>	<b>230,812</b>	<b>250,812</b>	<b>20,000</b>
Program increase - Armed Overwatch		20,000	



R-1	Budget Request	Committee Recommended	Change from Request
<b>SPECIAL OPERATIONS INTELLIGENCE SYSTEMS</b>			
<b>259 DEVELOPMENT</b>	<b>19,558</b>	<b>26,558</b>	<b>7,000</b>
Program increase - DOMEX		7,000	
<b>260 SOF OPERATIONAL ENHANCEMENTS</b>	<b>136,041</b>	<b>173,041</b>	<b>37,000</b>
Program increase - classified adjustment		12,000	
Program increase - AISUM		25,000	
<b>261 WARRIOR SYSTEMS</b>	<b>59,511</b>	<b>58,333</b>	<b>-1,178</b>
MMP excess to need		-1,178	
<b>262 SPECIAL PROGRAMS</b>	<b>10,500</b>	<b>7,500</b>	<b>-3,000</b>
Classified adjustment - excess to need		-3,000	
<b>263 UNMANNED ISR</b>	<b>19,154</b>	<b>15,154</b>	<b>-4,000</b>
Underexecution		-4,000	
<b>264 SOF TACTICAL VEHICLES</b>	<b>9,263</b>	<b>14,263</b>	<b>5,000</b>
Program increase - next generation combat vehicles		5,000	
<b>265 SOF MARITIME SYSTEMS</b>	<b>59,882</b>	<b>64,582</b>	<b>4,700</b>
Underexecution		-4,000	
Program increase - diver propulsion		4,200	
Program increase - C3SA		4,500	
<b>999 CLASSIFIED PROGRAMS</b>	<b>4,746,466</b>	<b>4,728,466</b>	<b>-18,000</b>
Classified adjustment		-18,000	
<b>NATIONAL BACKGROUND INVESTIGATION SERVICES -</b>			
<b>269 SOFTWARE PILOT PROGRAM</b>	<b>121,676</b>	<b>101,676</b>	<b>-20,000</b>
Insufficient justification		-20,000	
<b>ALGORITHMIC WARFARE CROSS FUNCTIONAL TEAMS</b>			
<b>272 - SOFTWARE PILOT PROGRAM</b>	<b>250,107</b>	<b>205,107</b>	<b>-45,000</b>
Excess growth		-45,000	
<b>UNDISTRIBUTED REDUCTION</b>		<b>-18,395</b>	<b>-18,395</b>

## HYPERSONIC AND BALLISTIC TRACKING SPACE SENSOR

Hypersonic weapons pose a serious threat to national security, which makes detecting and tracking them a top priority of the Department of Defense. The Department of Defense Appropriations Act, 2020 included \$108,000,000 for the Missile Defense Agency (MDA) to begin development of the Hypersonic and Ballistic Missile Tracking Space Sensor (HBTSS) to meet the Department's requirements. However, the Committee does not support the funding and management approach proposed in the fiscal year 2021 budget request. The request does not include any funding for MDA to continue the development of the HBTSS sensor and proposes a token amount of funding for a HBTSS-derived sensor as a secondary priority in the Space Development Agency's (SDA) planned space tracking layer. While the Committee supports cooperation between MDA and SDA, the Committee disagrees with this proposed plan which prioritizes funding for SDA's other programs over HBTSS. Therefore, the Committee recommends a transfer of \$120,000,000 from SDA to MDA to develop and demonstrate on-orbit the HBTSS by the end of fiscal year 2022.

The Committee recognizes this funding transfer will have a significant impact on SDA's plans for its multi-layer constellation. The Committee supports SDA's aggressive approach to rapidly develop and demonstrate space capabilities and encourages SDA to focus the \$168,416,000 recommended in the bill to developing and demonstrating its proposed transport layer.

## DISTRIBUTED LEDGER TECHNOLOGY RESEARCH AND DEVELOPMENT

The Committee is aware that distributed ledger technologies, such as blockchain, may have potentially useful applications for the Department of Defense, which include but are not limited to distributed computing, cybersecurity, logistics, and auditing. Therefore, the Committee encourages the Under Secretary of Defense (Research and Engineering) to consider research and development to explore the use of distributed ledger technologies for defense applications.

## ARTIFICIAL INTELLIGENCE PARTNERSHIPS

The Committee is aware of the United States-Singapore partnership focusing on applying artificial intelligence in support of humanitarian assistance and disaster relief operations, which will help first responders better serve those in disaster zones. The Committee encourages the Secretary of Defense to pursue similar partnerships with additional partners in different regions, including the Middle East.

## PFOS/PFOA REMEDIATION TECHNOLOGIES

The Committee remains concerned about the prevalence of PFOS/PFOA contamination on current and former domestic military installations and continues to support groundwater remediation activities undertaken by the Department. However, the Committee notes that current methods of PFOS/PFOA remediation are both costly and time consuming. As the Department continues PFOS/PFOA remediation activities, the Committee encourages the

Assistant Secretary of Defense (Energy, Installations, and Environment) to continue to explore innovative technological solutions for treating PFOS/PFOA contamination and to develop a competitive process for industry and academia to develop and utilize promising PFOS/PFOA remediation technologies to treat contaminated groundwater.

#### 5G TELECOMMUNICATIONS TECHNOLOGY

The Committee is concerned about reports that foreign manufacturers are significantly ahead of United States companies in the development and deployment of 5G telecommunications technologies, which poses a national security risk to the United States and its allies. Without a robust domestic 5G supply chain, the United States will be vulnerable to 5G systems that facilitate cyber intrusion from hostile actors. In order to secure a reliable 5G system and a domestic supply chain that meets the national security needs of the United States and its allies, the Committee encourages the Secretary of Defense to accelerate engagement with domestic industry partners that are developing 5G systems.

Additionally, the Committee is aware of the significant investments being made in 5G efforts but is concerned with the level of detail provided for congressional oversight. The Committee directs the Under Secretary of Defense (Research and Engineering) to conduct quarterly execution briefings with the House and Senate Appropriations Committees beginning not later than 90 days after the enactment of this Act.

#### FULL-SCALE SPACE TEST FACILITIES

The Committee is aware that space systems provide critical capabilities essential to national security and that these systems face increasing threats from potential adversaries. The Committee understands that aggressive ground testing of space systems is crucial to gain confidence that new technologies will perform as expected before they are launched in space. However, the Committee is concerned that the nation lacks adequate space test infrastructure to meet its needs, especially facilities capable of performing full-scale system level tests.

The Committee directs the Under Secretary of Defense (Research and Engineering) to submit a report to the House and Senate Appropriations Committees not later than 120 days after the enactment of this Act that assesses the current state of existing federal, full-scale testing facilities, including those with electromagnetic interference test capability, and to provide options for investments to enhance capabilities and infrastructure necessary to meet projected needs.

#### CERAMIC-MATRIX COMPOSITES FOR HYPERSONICS

The Committee is encouraged by the potential of high and ultra-high temperature ceramic-matrix composites in extreme environments experienced during hypersonic flight. The Committee encourages the Under Secretary of Defense (Research and Engineering) to explore the value of these materials for Department of Defense hypersonic efforts.

## GLOBAL FOOD SECURITY

The Committee encourages the Secretary of Defense, in cooperation with the Secretary of State and the Secretary of Agriculture, to conduct research to evaluate the risks and national security implications of foreign reliance and control of the United States and global food supply. The research should examine likely offensive threats and postures resulting in potential food supply disruptions, particularly in the context of great power competition, climate change, and pandemics. The research should establish methodologies and metrics to assess indications and warnings of food supply threats and recommend protocols to mitigate these threats.

## CYBER EDUCATION COLLABORATIVES

The Committee remains concerned by widespread shortages in cybersecurity talent across both the public and private sector. In accordance with the recommendations of the Cyberspace Solarium Commission, the Committee encourages the Under Secretary of Defense (Research and Engineering) to direct cyber-oriented units to collaborate with local colleges and universities on research, fellowships, internships, and cooperative work experiences to expand cyber-oriented education opportunities and grow the cybersecurity workforce. The Committee also appreciates that veterans and transitioning servicemembers could serve as a valuable recruiting pool to fill gaps in the cybersecurity workforce. Accordingly, the Committee encourages the Under Secretary to prioritize collaboration with colleges and universities near military installations as well as the veteran population.

## JOINT HYPERSONICS TRANSITION OFFICE

The Committee recommendation includes \$90,000,000 for the Joint Hypersonics Transition Office (JHTO) to fund applied and interdisciplinary research and workforce development to advance United States hypersonics capabilities. In fiscal year 2020, the Committee noted its concerns that the Department's expanding hypersonic research portfolio had the potential to develop proprietary systems that duplicate capabilities and increase costs. While the Committee is aware of efforts underway in the Department to develop the required integrated hypersonics science and technology roadmap and to establish a university consortium for hypersonics research and workforce development, the concerns with inefficient overlapping efforts expressed in the prior fiscal year remain. Therefore, the Committee strongly encourages the Under Secretary of Defense (Research and Engineering) to expeditiously implement the JHTO, and to seek involvement from all Department agencies and military Services with activities in hypersonics, consistent with the Inter-Service Memorandum of Agreement for Hypersonic Boost Glide Technology Development dated August 2019. The Committee believes this agreement represents the most mature approach for a common hypersonic glide body system. Additionally, the Committee has been disappointed in the timeliness and depth of the quarterly updates provided to the Committee, and expects that the Under Secretary of Defense (Research and Engineering) will ensure that future reports are timely and complete.

## MOBILE MICROREACTOR STRATEGY

The Committee supports efforts by the Department of Defense to explore new methods of power production for use in operational needs, future weapon systems, force protection, asset protection, and humanitarian and disaster response. The Committee recommendation provides \$40,000,000 to support the development of a prototype mobile microreactor and \$10,000,000 to support the production of fuel for the prototype.

The Committee is concerned, however, that the Department has not established an executive agent to direct the microreactor program and has not secured fuel stocks. The Committee directs the Under Secretary of Defense (Research and Engineering) to submit a report to the congressional defense committees not later than thirty days after the enactment of this Act, on the Department's plans for the mobile microreactor program. The report shall address whether the Department has identified an executive agent for mobile energy; plans to include mobile energy solutions, such as microreactors, in force modernization initiatives; the strategy for deploying microreactors, including site identification processes, fielding, personnel training, and deployment timelines; the procurement strategy to acquire feed material for microreactors; the plan to identify and use existing authorities to provide appropriate indemnities; and the status of pilot programs for microreactors, including suitable locations for pilot activities.

## HIGH ENERGY LASER ENDLESS MAGAZINES

The Committee notes the investments by the Department of Defense in directed energy systems capable of countering incoming threats, including the development of systems with endless or near endless magazines to ensure capability to counter salvos or swarms of any size.

However, the Committee is concerned that while the Department of Defense has included reference to near endless magazines in its budget justification for high energy laser systems, it has not adequately defined the term in order to facilitate predictable requirements development or guide internal investment. Therefore, the Committee directs the Secretary of the Defense to submit a report to the congressional defense committees not later than 180 days after the enactment of this Act, which details capabilities, cost, and logistical implications of endless or near endless magazines.

## RAPID, ACCURATE, AND AFFORDABLE BIODETECTION SYSTEM

The Committee is encouraged by the progress of the Defense Threat Reduction Agency in developing a prototype sensor that enables real-time detection of aerosolized biological threat agents. The Committee encourages the Secretary of Defense to field these critical capabilities to Department of Defense facilities and operational commands. The Committee directs the Director of the Joint Program Executive Office for Chemical, Biological, Radiological and Nuclear Defense to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act, which details efforts to fund, test, and field a reliable, cost-effec-

tive, near real-time detection/identification capability for aerosolized biological threats.

#### ACADEMIC HYPERSONIC RESEARCH, TEST AND EVALUATION FACILITIES

The Committee recognizes the importance of higher-education institutions in establishing high-quality test facilities and training the future workforce for the development and evaluation of hypersonic weapon platforms. The Committee encourages the Under Secretary of Defense (Research and Engineering) to partner with academia as key contributors in the research, testing and evaluation of hypersonic vehicle platforms.

#### ARTIFICIAL INTELLIGENCE COORDINATION

The Committee notes the widespread interest and large number of artificial intelligence projects and programs across all facets of the operations and activities of the Department of Defense. While the Committee understands that the Department believes artificial intelligence shows great promise to revolutionize and improve its operations, the Committee is concerned that there is a lack of coordination of the myriad ongoing artificial intelligence activities. Therefore, the Committee directs the Director of the Joint Artificial Intelligence Center to provide the congressional defense committees, not later than 60 days after the enactment of this Act, an inventory of all significant artificial intelligence activities in the Department, including, but not limited to, for each activity: the annual funding requested for the next five years; the source of funds identifying appropriation account, program, project, and line number; an identification of mission partners, including academia and industry; and the planned partner to whom the capability will be transitioned.

#### OPERATIONAL TEST AND EVALUATION, DEFENSE

Fiscal year 2020 appropriation .....	\$227,700,000
Fiscal year 2021 budget request .....	210,090,000
Committee recommendation .....	210,090,000
Change from budget request .....	— — —

The Committee recommends an appropriation of \$210,090,000 for Operational Test and Evaluation, Defense which will provide the following program in fiscal year 2021:

#### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
OPERATIONAL TEST AND EVALUATION .....	100,021	100,021	0
LIVE FIRE TESTING .....	70,933	70,933	0
OPERATIONAL TEST ACTIVITIES AND ANALYSIS .....	39,136	39,136	0
TOTAL, OPERATIONAL TEST & EVALUATION, DEFENSE .....	210,090	210,090	0

TITLE V  
REVOLVING AND MANAGEMENT FUNDS  
DEFENSE WORKING CAPITAL FUNDS

Fiscal year 2020 appropriation .....	\$1,564,211,000
Fiscal year 2021 budget request .....	1,348,910,000
Committee recommendation .....	1,348,910,000
Change from budget request .....	— — —

The Committee recommends an appropriation of \$1,348,910,000 for the Defense Working Capital Funds accounts which will provide the following program in fiscal year 2021:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
WORKING CAPITAL FUND, ARMY .....	56,717	56,717	0
Industrial Operations .....	32,551	32,551	
Arsenal Supply Chain Security Pilot Program .....		[3,500]	
Supply Management .....	24,166	24,166	
WORKING CAPITAL FUND, AIR FORCE .....	95,712	95,712	0
WORKING CAPITAL FUND, DEFENSE-WIDE .....	49,821	49,821	0
DEFENSE WORKING CAPITAL FUND, DECA .....	1,146,660	1,146,660	0
TOTAL, DEFENSE WORKING CAPITAL FUNDS .....	1,348,910	1,348,910	0

ARSENAL SECURITY

The Committee believes that maintaining security, including threats from cyber-attacks, data piracy, and other technological risks, of Department of Defense arsenals is essential. The Committee directs that of the funds included under Industrial Operations, \$3,500,000 is to implement efforts to combat these types of threats.

DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY WORKING  
CAPITAL FUND

The Committee recognizes the challenges facing the Defense Counterintelligence and Security Agency (DCSA) as it combines and assumes the roles and responsibilities of other Department of Defense and Office of Personnel Management offices and missions. While the creation of a dedicated DCSA Working Capital Fund (WCF) provides ample and necessary flexibility aimed at achieving efficiencies, the creation of such a function can also lead to mission creep—where activities not directly related to those originally intended for the WCF end up being funded with WCF receipts. The Committee believes that steps should be taken to avoid this unintended consequence and expects that obligations from the DCSA

WCF will only reimburse costs specifically associated with conducting background investigations.

The Committee directs the Under Secretary of Defense (Comptroller), in consultation with the Under Secretary of Defense (Intelligence and Security), to provide quarterly updates to the House and Senate Appropriations Committees, beginning not later than 30 days after the enactment of this Act, on the status of the DCSA WCF. These updates shall include appropriations (direct and reimbursable), obligations, and expenses by WCF line of business to and from the Fund. The first update shall also include the prior six months' historical monthly cash flow analysis by line item receipt and expense, and the first and subsequent updates shall include a prospective monthly cash flow analysis by line item receipt and expense updated on a quarterly basis.



TITLE VI  
OTHER DEPARTMENT OF DEFENSE PROGRAMS  
DEFENSE HEALTH PROGRAM

Fiscal year 2020 appropriation .....	\$34,074,119,000
Fiscal year 2021 budget request .....	32,690,372,000
Committee recommendation .....	33,297,902,000
Change from budget request .....	+607,530,000

The Committee recommends an appropriation of \$33,297,902,000 for the Defense Health Program which will provide the following program in fiscal year 2021:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
DEFENSE HEALTH PROGRAM			
OPERATION AND MAINTENANCE			
10 IN-HOUSE CARE.....	9,560,564	9,214,527	-346,037
20 PRIVATE SECTOR CARE.....	15,841,887	15,727,887	-114,000
30 CONSOLIDATED HEALTH SUPPORT.....	1,338,269	1,327,169	-11,100
40 INFORMATION MANAGEMENT.....	2,039,910	2,072,435	+32,525
50 MANAGEMENT ACTIVITIES.....	330,627	330,627	---
60 EDUCATION AND TRAINING.....	315,691	334,191	+18,500
70 BASE OPERATIONS/COMMUNICATIONS.....	1,922,605	2,155,210	+232,605
UNDISTRIBUTED REDUCTION.....	---	-214,265	-214,265
PROGRAM INCREASE - COVID RESPONSE.....	---	150,000	+150,000
SUBTOTAL, OPERATION AND MAINTENANCE.....	31,349,553	31,097,781	-251,772
PROCUREMENT			
150 INITIAL OUTFITTING.....	22,932	22,932	---
160 REPLACEMENT AND MODERNIZATION.....	215,618	215,618	---
170 JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM.....	---	2,620	+2,620
180 MILITARY HEALTH SYSTEM - DESKTOP TO DATACENTER.....	70,872	70,872	---
180 DOD HEALTH MANAGEMENT SYSTEM MODERNIZATION.....	308,504	245,854	-62,650
SUBTOTAL, PROCUREMENT.....	617,926	557,896	-60,030

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	COMMITTEE RECOMMENDED	CHANGE FROM REQUEST
80 RESEARCH DEVELOPMENT TEST AND EVALUATION			
RESEARCH.....	8,913	8,913	---
90 EXPLORATORY DEVELOPMENT.....	73,984	73,984	---
100 ADVANCED DEVELOPMENT.....	225,602	230,602	+5,000
110 DEMONSTRATION/VALIDATION.....	132,331	186,591	+54,260
120 ENGINEERING DEVELOPMENT.....	55,748	55,748	---
130 MANAGEMENT AND SUPPORT.....	48,672	48,672	---
140 CAPABILITIES ENHANCEMENT.....	17,215	17,215	---
150 UNDISTRIBUTED MEDICAL RESEARCH.....	---	1,020,500	+1,020,500
SUBTOTAL, RESEARCH DEVELOPMENT TEST AND EVALUATION	562,465	1,642,225	+1,079,760
190 SOFTWARE & DIGITAL TECHNOLOGY PILOT PROGRAMS.....	160,428	---	-160,428
TOTAL, DEFENSE HEALTH PROGRAM.....	32,690,372	33,297,902	+607,530

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**  
[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
<b>OPERATION AND MAINTENANCE</b>			
<b>IN-HOUSE CARE</b>	<b>9,560,564</b>	<b>9,214,527</b>	<b>-346,037</b>
Medical reform implementation - excess funding to replace military medical end strength		-334,613	
Misaligned program growth		-29,539	
Dental care requirements inconsistent justification		-6,980	
Historical underexecution		-7,100	
Decoupling of military treatment facilities funding restoration		36,280	
Inadequate justification		-9,065	
Program increase - telehealth for military children and families		5,000	
<b>PRIVATE SECTOR CARE</b>	<b>15,841,887</b>	<b>15,727,887</b>	<b>-114,000</b>
Medical reform implementation		-114,000	
<b>CONSOLIDATED HEALTH SUPPORT</b>	<b>1,338,269</b>	<b>1,327,169</b>	<b>-11,100</b>
Program increase - therapeutic service dog training program		11,000	
Program increase - digital hearing records		2,000	
Historical underexecution		-24,100	
<b>INFORMATION MANAGEMENT</b>	<b>2,039,910</b>	<b>2,072,435</b>	<b>32,525</b>
DHMSM delays		-11,475	
Transfer from JOMIS software pilot		108,548	
Excess growth IM/IT		-60,180	
JOMIS unjustified increase		-4,368	
<b>MANAGEMENT ACTIVITIES</b>	<b>330,627</b>	<b>330,627</b>	<b>0</b>
<b>EDUCATION AND TRAINING</b>	<b>315,691</b>	<b>334,191</b>	<b>18,500</b>
Program increase - Health Profession Scholarship		6,000	
Uniformed Services University of the Health Sciences funding restoration		10,000	
Program increase - specialized medical pilot program		2,500	
<b>BASE OPERATIONS AND COMMUNICATIONS</b>	<b>1,922,805</b>	<b>2,155,210</b>	<b>232,605</b>
FSRM funding restoration		29,505	
Program increase - FSRM		225,000	
Historical underexecution		-21,900	
<b>UNDISTRIBUTED REDUCTION</b>		<b>-214,265</b>	<b>-214,265</b>
<b>PROGRAM INCREASE - COVID RESPONSE</b>		<b>150,000</b>	<b>150,000</b>
<b>TOTAL, OPERATION AND MAINTENANCE</b>	<b>31,349,553</b>	<b>31,097,781</b>	<b>-251,772</b>

	Budget Request	Committee Recommended	Change from Request
<b>PROCUREMENT</b>			
Excess to need		-62,650	
Transfer from JOMIS Software Pilot		2,620	
<b>TOTAL, PROCUREMENT</b>	<b>617,926</b>	<b>557,896</b>	<b>-60,030</b>
<b>RESEARCH AND DEVELOPMENT</b>			
Transfer from JOMIS Software Pilot		49,260	
JOMIS excess growth		-10,000	
Program increase - NDMS medical surge pilot		15,000	
Program increase - advanced modeling and simulation		5,000	
Peer-reviewed alcohol and substance use disorders research		4,000	
Peer-reviewed ALS research		20,000	
Peer-reviewed alzheimer research		15,000	
Peer-reviewed autism research		15,000	
Peer-reviewed bone marrow failure disease research		3,000	
Peer-reviewed breast cancer research		150,000	
Peer-reviewed cancer research		110,000	
Peer-reviewed Duchenne muscular dystrophy research		10,000	
Peer-reviewed gulf war illness research		22,000	
Peer-reviewed hearing restoration research		10,000	
Peer-reviewed kidney cancer research		50,000	
Peer-reviewed lung cancer research		20,000	
Peer-reviewed lupus research		10,000	
Peer-reviewed melanoma research		20,000	
Peer-reviewed multiple sclerosis research		20,000	
Peer-reviewed orthopedic research		30,000	
Peer-reviewed ovarian cancer research		35,000	
Peer-reviewed pancreatic cancer research		10,000	
Peer-reviewed prostate cancer research		110,000	
Peer-reviewed rare cancers research		7,500	
Peer-reviewed reconstructive transplant research		12,000	
Peer-reviewed scleroderma research		5,000	
Peer-reviewed spinal cord research		40,000	
Peer-reviewed tickborne disease research		7,000	
Peer-reviewed traumatic brain injury and psychological health research		175,000	
Peer-reviewed tuberous sclerosis complex research		6,000	
Peer-reviewed vision research		20,000	
Global HIV/AIDS prevention		8,000	
HIV/AIDS program increase		16,000	
Joint warfighter medical research		40,000	
Trauma clinical research program		10,000	
Combat readiness medical research		10,000	
<b>TOTAL, RESEARCH AND DEVELOPMENT</b>	<b>562,465</b>	<b>1,642,225</b>	<b>1,079,760</b>
<b>JOMIS - SOFTWARE PILOT PROGRAM</b>	<b>160,428</b>	<b>0</b>	<b>-160,428</b>
JOMIS software pilot - transfer to appropriate lines		-160,428	

REPROGRAMMING GUIDANCE FOR THE DEFENSE HEALTH PROGRAM  
(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS  
FUNDING)

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 Defense Health Program budget activities and to adequately reflect changes to the budget activities requested by the Services in future budget submissions. These reports should also be provided to the Government Accountability Office.

CARRYOVER

For fiscal year 2021, 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 2020 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 \$150,000,000 for the peer-reviewed breast cancer research program, \$110,000,000 for the peer-reviewed prostate cancer research program, \$35,000,000 for the peer-reviewed ovarian cancer research program, \$50,000,000 for the peer-reviewed kidney cancer research program, \$20,000,000 for the peer-reviewed lung cancer research program, \$10,000,000 for the peer-reviewed pancreatic cancer research program, \$7,500,000 for the peer-reviewed rare cancer research program, and \$110,000,000 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: cancers associated with the use of beryllium, bladder cancer, blood cancers, brain cancer, colorectal cancer, endometrial cancer, esophageal cancer, germ cell cancers, head and neck cancer, liver cancer, lymphoma, melanoma and other skin cancers, mesothelioma, metastatic cancers, neuroblastoma, pediatric brain tumors, sarcoma, stomach cancer, thyroid cancer, the link between scleroderma and cancer, and cancer in children, adolescents, and young adults. The inclusion of the individual rare cancer research program shall not prohibit the peer-reviewed cancer research program from funding the previously mentioned cancers or cancer subtypes that may be rare by definition.

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 shall 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 Commanding General, United States Army Medical Research and Development Command, to continue to emphasize the importance of these collaborations between military and non-military researchers throughout the peer-review process.

#### JOINT WARFIGHTER MEDICAL RESEARCH PROGRAM

The Committee recommendation includes \$40,000,000 for the continuation of the joint warfighter medical research program. The funding shall be used to augment and accelerate high priority Department of Defense and Service medical requirements and to continue prior year initiatives that are close to achieving their objectives and yielding a benefit to military medicine. The funding shall not be used for new projects nor for basic research, and it shall be awarded at the discretion of the Secretary of Defense following a review of medical research and development gaps as well as unfunded medical requirements of the Services. Further, the Committee directs the Assistant Secretary of Defense (Health Affairs) to submit a report not later than 180 days after the enact-

ment of this Act to the congressional defense committees that lists the projects that receive funding. The report should include the funding amount awarded to each project, a thorough description of each project's research, and the benefit the research will provide to the Department of Defense.

#### COMBAT READINESS MEDICAL RESEARCH PROGRAM

The Committee recommendation includes \$10,000,000 for the Combat Readiness Medical Research program. The program should focus on medical needs of the warfighter on the battlefield. Research should address the "golden hour" for servicemembers with life threatening injuries, battlefield diagnostics, and medical threats and treatments for warfighters deployed around the world.

The Committee expects the Assistant Secretary of Defense (Health Affairs) to identify current gaps in medical planning and resources, consider medical capabilities that may mitigate fatalities, enhance battlefield diagnostics, and find solutions for life threatening complications after battlefield injury.

The funding in the Combat Readiness Medical Research program should be used for research and development of rapidly deployable, all-in-one acute and chronic wound care therapy engineered to address complex trauma and start tissue regeneration; repairing or restoring damaged or missing genitourinary organs and tissue; freeze dried plasma and platelets; portable neurological devices in support of mild traumatic brain injury assessment; ruggedized oxygen generation systems; medical simulation technology; sleep disorders; Myalgic Encephalomyelitis/Chronic Fatigue Syndrome; preventing and relieving service-related arthritis; telemedicine; and infectious diseases.

Additionally, the Committee is concerned with the lack of standardization in the delivery of the Joint Trauma System Tactical Combat Casualty Care (TCCC) curriculum. The Committee directs the Director of the Defense Health Agency, in coordination with the Service Surgeons General, not later than 120 days after the enactment of this Act, to provide a briefing to the congressional defense committees on the coordination between the Defense Health Agency and the Services to ensure the curriculum is taught by qualified personnel; the plan to validate that TCCC training is standard across the Services; the impact of expanding TCCC on the Services' readiness training; and the funding requirements for the Services to support the delivery of the TCCC curriculum.

#### 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. It is the Committee's ongoing expectation that the Departments' electronic health record systems must be completely and meaningfully interoperable with seamless compatibility.

The Committee acknowledges that the response to COVID-19 has superseded many planned efforts in the Military Health System, including the deployment of the Department of Defense's electronic health record system, MHS GENESIS. As sustainment continues at sites where MHS GENESIS is currently operating, delays



in future deployments are expected. Though the Department of Defense had been making strides in its deployment, with the shift in focus to COVID-19 response the Committee understands that there will be several factors that will contribute to the system being successfully implemented.

One factor is the need to improve informational technology and related infrastructure prior to deployment of the electronic health record system. 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 the status of the installation of all remaining information technology and related infrastructure required to complete the deployment of the electronic health record system, including the timeline to complete installation, and costs associated if the Department accelerated the deployment timeline.

Another critical factor in the success of deployments will be the quality of training for users of the system. The Committee directs the Director, Operational Test and Evaluation to conduct an evaluation of change management strategies and training programs related to the deployment of MHS GENESIS and provide a briefing to the House and Senate Appropriations Subcommittees not later than 90 days after the enactment of this Act on related findings and recommendations for improvement.

The Committee continues to direct the Comptroller General to perform quarterly performance reviews of the Department of Defense electronic health record deployment so that the Committee can further monitor implementation of the system and whether it is meeting predicted costs.

Additionally, the Committee 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 Office (PEO) for Defense Healthcare Management Systems (DHMS), in conjunction with the Director of the IPO and the Director of the Defense Health Agency, is directed to provide quarterly reports to the congressional defense committees on the cost of the program, including indirect costs being funded outside of the DHMS Modernization Electronic Health Record program; 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.

#### MILITARY HEALTH SYSTEM TRANSFORMATION

The Committee remains concerned with the implementation of medical restructuring mandated by the National Defense Authorization Act for Fiscal Year 2017. The restructuring represents the most significant changes to the military health system in decades, and the Committee believes it is critical to implement the restructuring in such a way that minimizes risk for servicemembers and beneficiaries.

Prior to implementation, both medical readiness and healthcare benefits were intertwined, managed by the Service Surgeons General. Under that model, there was no separation between benefits and readiness, and the Services had a holistic picture in treating servicemembers and their families. The Committee has followed implementation efforts of the restructuring closely, to include management of the military treatment facilities transitioning from the Services to the Defense Health Agency; descope military treatment facilities; and the Department's evaluation that fewer military medical providers in non-combat critical specialties may be required.

The impact of these changes on servicemembers and eligible beneficiaries is important. It is unclear whether readiness levels or healthcare benefits will be negatively affected. The future is uncertain due to COVID-19 and the Committee acknowledges the difficulty in predicting how beneficiaries' behaviors may change in the near or long term and also understands the challenges in assessing the impact on mental health and medical care professions in both the direct care and private sector care settings, as a result of the virus. Important questions remain about each aspect of the implementation, and the Committee is unsatisfied with the Department's inadequate responses to Committee inquiries.

Additionally, in order to start accounting for the funding and details related to medical readiness and healthcare benefits, Congress directed the Secretary of Defense, in coordination with the Service Secretaries and the Assistant Secretary of Defense (Health Affairs), to submit separate annual budget justification materials for readiness related care and healthcare benefits beginning with the fiscal year 2021 budget submission. In the fiscal year 2021 budget request, medical readiness was budgeted for in the Services' operation and maintenance accounts, while the operating budgets of the military treatment facilities and healthcare benefits were budgeted for in the Defense Health Program account. Separating medical readiness from the benefit was not seamless, and what was submitted was a Defense Health Program budget that transferred \$1,891,488,000 to Service medical readiness activities and the Services' operation and maintenance budgets that struggled to provide the level of detail that the Committee requires to evaluate these activities. Therefore, the Committee expects the fiscal year 2022 budget request submission to provide greater detail for medical readiness efforts, as detailed under the "Reporting on Medical Readiness" heading in this title of the report.

#### DESCOPING MILITARY TREATMENT FACILITIES

The Committee notes that the report required by section 703 of the National Defense Authorization Act for Fiscal Year 2017 was submitted to Congress on February 19, 2020. After a review of the military treatment facilities that met screening and evaluation criteria, 50 were identified for a change of scope, while an additional six await a final decision. In the majority of the 50 military treatment facilities, healthcare services would be reduced or eliminated, and, in many cases, non-servicemember beneficiaries would have to find new providers in the TRICARE network. The Committee questions several of the assumptions made about the quality and acces-

sibility of private sector care, the cost of changing the venue of care, and the relationship to other restructuring efforts, such as reducing the number of military medical billets. The Committee is also concerned with the Department's approach in responding to this provision, which was not a de-facto medical base realignment and closure process. Congress must be a partner in these decisions going forward.

The Committee directs the Assistant Secretary of Defense (Health Affairs), in coordination with the Director of the Defense Health Agency and the Service Surgeons General, to brief the congressional defense committees on the implementation plan prior to the obligation of funds in fiscal year 2021 to close or descope any military treatment facilities, including an update to the market analysis conducted, cost implications, timeline, impact on providers, and benefits or risks to the served population.

#### REDUCTION OF MILITARY BILLETS

The fiscal year 2020 budget request included a proposal to decrease medical billets for the Services to increase the number of operational billets needed for lethality. Reductions would have major ramifications throughout the military health system, yet leaders across the Department of Defense have been ill-prepared to articulate the consequences of these reductions.

In order to mitigate potential access to care issues caused by the reduction of military providers, the Department requested \$250,000,000 in the fiscal year 2020 budget that was not adequately justified, and therefore Congress did not appropriate the requested funds. Despite requests for additional information, the Committee still has not been provided with a detailed mitigation plan for beneficiary care or medical readiness. Serious questions remain about the quality and availability of care for beneficiaries, as well as the negative impact on readiness that may be caused by an unnecessary reduction of military medical providers. As a result, the Committee is disappointed that the fiscal year 2021 budget request includes an increase of \$334,613,000 with wholly insufficient detail to evaluate the request, and therefore denies the request.

Additionally, with lessons learned about the capacity and capability of both military and civilian medical care in the shadow of the novel coronavirus pandemic, the Committee expects the Secretary of Defense, the Service Secretaries, and the Service Surgeons General will reevaluate the military medical personnel required to respond to all operational requirements, including in support of the homeland defense mission. The Committee directs the Assistant Secretary of Defense (Health Affairs), in coordination with the Service Secretaries, the Chairman of the Joint Chiefs of Staff, and the Director of Cost Assessment and Program Evaluation to brief the congressional defense committees on the Department's reevaluation plan not later than 120 days after the enactment of this Act.

#### REPORTING ON MEDICAL READINESS

In the fiscal year 2021 budget request, military medical readiness funding and activities transferred from the Defense Health Program budget into the Services' operation and maintenance and

research, development, test and evaluation accounts. In the Department of Defense Appropriations Act, 2020, the Department was directed to provide separate budget justification for medical readiness and the healthcare benefit; it was not the intent of the Committee to lose the ability to locate and evaluate medical funding across the Department in a meaningful or detailed way.

The Committee notes its concern with the level of justification provided for the \$1,891,488,000 that transferred from the Defense Health Program to the Services' operation and maintenance accounts for medical readiness, and while the Committee is supportive of the military departments' ability to better manage and plan for readiness requirements holistically, the Services must provide adequate details for congressional oversight. Therefore, the Committee directs the Service Secretaries to account for medical readiness activities in financial management systems and to submit a quarterly report on the execution of medical readiness activities. The reports shall be consolidated and submitted with the Defense Health Program quarterly reports. Additionally, the Committee directs the Under Secretary of Defense (Comptroller), in coordination with the Service Secretaries, Assistant Secretary of Defense (Health Affairs), and the Director of the Defense Health Agency, to submit a comprehensive, consolidated, and detailed Unified Medical Budget exhibit with the Defense Health Program budget justification material for fiscal year 2022, and to provide a proposal for the exhibit to the House and Senate Appropriations Committees, not later than 90 days after the enactment of this Act.

#### METASTATIC CANCER RESEARCH

While recent research has revealed that there is a genetic basis for susceptibility to metastatic cancer or resistance to metastasis, more research is required to develop a comprehensive understanding of this complex process. Clinical trials are an important aspect of that progress, and diverse representation of patients in clinical trials is integral to the development of medications and therapies that effectively treat disease. Ethnicity, gender, age and genetics all play a role in the safety and efficacy of a treatment for an individual. Therefore, as recommended in April 2018 by the Task Force Report to Congress on Metastatic Cancer, the Committee encourages the Director, Congressionally Directed Medical Research Program to partner with outside experts and other federal agencies, as appropriate, to achieve representation of the demographics of the United States population in these trials.

#### PANCREATIC CANCER EARLY DETECTION

The Committee recommendation includes \$10,000,000 for pancreatic cancer research. Despite being the third leading cause of cancer-related death in the United States, early detection of pancreatic cancer requires additional research. The Committee encourages the Director, Congressionally Directed Medical Research Program, to expand early detection research for pancreatic cancer, to include the prevalence in pre-diabetic and diabetic individuals, as well as those in underserved ethnic and minority communities.

## ALCOHOL AND SUBSTANCE USE DISORDERS

The Committee recognizes the ongoing threat posed to warfighters and the general public by the opioid epidemic. Those who may develop an opioid dependency following an injury generally struggle with addiction, or those servicemembers who have family members that struggle with addiction are often not positioned to dedicate themselves entirely to the required military mission. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to prioritize congressionally directed medical research on substance use disorders aimed at reducing the overall number of opioid-related overdose deaths.

## MAINTAINING A HIGHLY-SKILLED WORKFORCE IN MEDICAL RESEARCH

As the Administration implements a government-wide response to COVID-19, the disease caused by the novel coronavirus, the Committee encourages the Assistant Secretary of Defense (Health Affairs), the Director of the Defense Health Agency, and the Commander of Army Futures Command to prioritize maintaining a strong workforce of highly-skilled scientists and researchers vital to conducting the medical research necessary to protect warfighters and contribute to the nation-wide response to this and future pandemics.

## SEXUAL ASSAULT AND POST-TRAUMATIC STRESS DISORDER

The Committee believes that providing servicemembers access to outpatient programs designed to treat individuals suffering from post-traumatic stress disorder (PTSD) resulting from sexual assault trauma could improve outcomes received for military sexual assault survivors experiencing PTSD. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to collaborate with research institutions currently investigating treatment strategies for PTSD resulting from sexual trauma.

## TRAUMATIC BRAIN INJURY

The Committee recognizes that traumatic brain injury (TBI), including mild-TBI and concussion, continues to be a significant health issue affecting servicemembers both in training and during combat operations. More than 402,000 brain injuries have occurred since the beginning of operations in Afghanistan and Iraq. Most recently, the attack at Ayn al Asad Air Base in Iraq impacted more than 109 servicemembers. While the Committee recommendation includes \$175,000,000 to continue research on traumatic brain injury and psychological health, the Committee believes additional efforts would help advance the understanding of TBI injuries sustained by servicemembers.

The Committee believes the Department should have better metrics and data on military personnel prior to the possibility of injury in training or combat. Therefore, the Committee directs the Assistant Secretary of Defense (Health Affairs), in coordination with the Director of the Defense Health Agency, and the Service Surgeons General, to develop a cost analysis plan for conducting uniform traumatic brain injury baseline testing for all new recruits across each military Service. The plan shall provide for a screening

program for any already-existing traumatic brain injuries which shall inform healthcare professionals should a servicemember be subject to any circumstances in the future that might result in a traumatic brain injury. The Committee directs the Assistant Secretary of Defense (Health Affairs) to submit a report on its plan to the congressional defense committees not later than 180 days after the enactment of this Act.

For injuries experienced during training or operations, the Committee is encouraged by research and development initiatives to advance expeditionary, non-invasive medical devices for analyzing the full spectrum of traumatic brain injuries that have received clearance by the Food and Drug Administration. Portable devices capable of rapidly providing a comprehensive and objective clinical picture should be fully utilized to effectively enable clinicians to identify the full spectrum of brain injuries immediately after injury. The Committee encourages the Assistant Secretary of Defense (Health Affairs) and the Service Surgeons General to deploy mild-TBI/concussion multi-modal diagnostic devices in support of both readiness and beneficiary care.

Additionally, the Committee recognizes 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 for servicemembers and cadets at the United States military academies. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to continue to leverage partnerships with academia and the private sector to support long-term studies of traumatic brain injuries to gain a deeper understanding of concussive injuries, including how they impact the brain, how and to what extent the brain recovers, and how prevention and treatment methods may be improved.

Lastly, the Committee is supportive of ongoing research examining the increased risk of certain conditions after an individual experiences TBI. The Committee is aware of research into the relationship between traumatic brain injury and neurodegenerative diseases, such as chronic traumatic encephalopathy and Parkinson's disease, and encourages the Assistant Secretary of Defense (Health Affairs) to continue to invest in research and development efforts aimed at halting the neurodegenerative processes that follow traumatic brain injury.

#### NATIONWIDE CANCER RESEARCH AT THE CANCER CENTER AT WALTER REED NATIONAL MILITARY MEDICAL CENTER

The Committee commends the Assistant Secretary of Defense (Health Affairs) for continuing to support the John P. Murtha Cancer Center Research Program of the Uniformed Services University of the Health Sciences and at the Walter Reed National Military Medical Center in its partnership with the Oncology Research Information Exchange Network (ORIEN). This partnership enables the Murtha Cancer Center Research Program to collaborate with eighteen major academic cancer centers to improve outcomes for servicemembers with cancer. The ORIEN protocol is now being implemented at Walter Reed, with the potential to expand to other facilities in the military health system. The Committee encourages

the Assistant Secretary of Defense (Health Affairs) to support this program.

#### SLEEP DISORDERS

The Committee notes the leadership of the National Institute of Neurological Disorders and Stroke (NINDS) in advancing research into under-represented sleep disorders, such as narcolepsy and restless leg syndrome. The Committee encourages the Director of the Defense Health Agency to work with NINDS to bolster these activities and advance initiatives that advance scientific understanding of sleep disorders impacting servicemembers.

#### TRICARE PRIME AVAILABILITY

The Committee directs the Assistant Secretary of Defense (Health Affairs) to review the feasibility of TRICARE Prime being made available to eligible Department of Defense beneficiaries across all states and territories and to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act.

#### MENTAL HEALTH PROFESSIONALS

The Committee remains concerned about the shortage of current and prospective mental health care professionals for servicemembers and their families, including social workers, clinical psychologists, and psychiatrists. The Committee directs the Assistant Secretary of Defense (Health Affairs), in coordination with the Service Surgeons General, to brief the House and Senate Appropriations Committees not later than 180 days after the enactment of this Act on an assessment of eligible beneficiaries' demand for behavioral health services, including services provided through telehealth, and funding required to adequately recruit and retain behavioral health professionals required to meet such demand. The assessment shall include a review of tools, such as pay grade increases, use of special and incentive pays, and the pipeline development of increasing the number of professionals in this field through scholarships or programs through the Uniformed Services University.

#### ARMED FORCES RETIREMENT HOMES AND THE DEFENSE HEALTH AGENCY

The Committee notes the important role that the military health system plays for the care of the military retiree population, especially those living in the two Armed Forces Retirement Homes. As the Defense Health Agency continues to make recommendations for the rescoping of certain military treatment facilities, the Committee encourages the Director of the Defense Health Agency to take necessary steps to ensure in-patient care is available at a military treatment facility within 20 miles of each Armed Forces Retirement Home.

#### OUTDOOR RECREATION FOR MILITARY FAMILIES

The Committee honors the service and sacrifice of military spouses and their children and recognizes the psychological and

emotional stress placed on families of servicemembers. Research shows children of military parents who have deployed are more likely than civilian peers to have a behavioral health diagnosis. It is a priority of the Committee to support the physical, emotional, and psychological health of military families. The Committee also recognizes the wellness and health benefits of organized outdoor recreation and education activities for the children of military parents.

#### PEER-REVIEWED TICKBORNE DISEASE RESEARCH

The Committee encourages the Director of the Congressionally Directed Medical Research Program to prioritize research on Lyme disease by including additional Lyme disease experts on its tickborne disease programmatic panel. Doctors and researchers with experience in chronic Lyme issues should be considered for inclusion on the panel and the scientific review panel to ensure the burden of Lyme disease is appropriately addressed.

#### BIOREPOSITORIES

The Committee is encouraged by efforts within the medical research community to better understand chronic diseases through biorepositories which store and catalogue medical tissue for scientific understanding. Collecting and cataloguing samples from a diverse population allows the medical community to perform research into health disparities in those populations. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to adequately resource efforts to increase the number of samples collected from a diverse population.

#### GLOBAL HEALTH SECURITY PREPAREDNESS

The Committee continues to support Department of Defense contributions to biosecurity and the global health security agenda. The Department possesses unique capabilities that contribute to inter-agency efforts to prevent, detect, and respond to outbreaks of infectious disease worldwide. Response to global public health threats such as pandemic influenza, Ebola, and COVID-19 requires a robust national approach across all federal agencies and private partners. The Committee directs the Secretary of Defense to brief the House and Senate Appropriations Committees, not later than 120 days after the enactment of this Act, on the Department's efforts to collaborate with federal agencies and private partners to ensure the United States is prepared to respond to the next infectious disease outbreak.

#### SERVICEMEMBERS AND VETERANS WITH AMYOTROPHIC LATERAL SCLEROSIS

The Committee directs the Assistant Secretary of Defense (Health Affairs), in coordination with the Secretary of the Department of Veterans Affairs, to submit a report to the House and Senate Appropriations Committees not later than 90 days after the enactment of this Act on the costs to each Department to treat servicemembers and veterans with Amyotrophic Lateral Sclerosis.



## TRAUMATIC INJURY

The Committee understands the uniqueness of traumatic injuries and neurological diseases sustained by servicemembers in combat. Extramural research focused on accelerating functional recovery and rehabilitation of sensorimotor function that is also personalized to the needs of the patient would have value to injured servicemembers and their caregivers. The Committee is aware of the promising technology of wirelessly activated implantable biomedical technologies capable of focal stimulation inside nerves and encourages the Assistant Secretary of Defense (Health Affairs) to explore research into such technologies to offset the effects of limb amputation, orthopedic injury and disease, and other neurodegenerative diseases.

## NATIONAL DISASTER MEDICAL SYSTEM PILOT

The Committee is concerned with the fracturing of the military health system and its primary focus of readiness and survivability of servicemembers in combat operations. While this fundamental cornerstone of defense health is undisputed, the Committee is concerned that not enough attention has been placed on medical capabilities and capacity required for the homeland defense mission.

Section 740 of the National Defense Authorization Act for Fiscal Year 2020 authorized a pilot program on civilian and military partnerships to enhance interoperability and medical surge capability and capacity of the National Disaster Medical System (NDMS). The Committee recommendation includes additional funds in fiscal year 2021 to accelerate this pilot program, and directs that the first location selected for inclusion in the pilot program is underway not later than 180 days after the enactment of this Act. The Committee directs the Secretary of Defense to work collaboratively with members of the NDMS and selected private partners to accelerate the planning and execution of the pilot programs. Funds provided shall support the work of the agencies in the NDMS and include an allocation to private partners to assure they can move quickly to achieve the determined goals of Section 740.

The Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 180 days after the enactment of this Act on a description of the pilot program, including partnerships established and evaluation metrics. The report shall also include a threat assessment of the most likely homeland defense scenarios requiring medical surge capability and capacity; an evaluation of departmental resources that are most likely to be required in response, and projected shortages of equipment, supplies, or personnel; how the NDMS could be better leveraged in future emergencies; current and projected medical surge plans; and a detailed cost estimate for the Department to plan, prepare for or respond to the most likely emergencies requiring medical surge capability and capacity. The Committee further expects the fiscal year 2022 budget submission to include sufficient funding for the pilot program.

### CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

Fiscal year 2020 appropriation .....	\$985,499,000
Fiscal year 2021 budget request .....	889,500,000
Committee recommendation .....	889,500,000
Change from budget request .....	—

The Committee recommends an appropriation of \$889,500,000 for Chemical Agents and Munitions Destruction, Defense which will provide the following program in fiscal year 2021:

#### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE .....	106,691	106,691	0
PROCUREMENT .....	616	616	0
RESEARCH, DEVELOPMENT, TEST AND EVALUATION .....	782,193	782,193	0
TOTAL, CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE ..	889,500	889,500	0

### DRUG-INTERDICTION AND COUNTER DRUG ACTIVITIES, DEFENSE

Fiscal year 2020 appropriation .....	\$893,059,000
Fiscal year 2021 budget request .....	769,629,000
Committee recommendation .....	746,223,000
Change from budget request .....	- 23,406,000

The Committee recommends an appropriation of \$746,223,000 for Drug Interdiction and Counter-Drug Activities, Defense which will provide the following program in fiscal year 2021:

#### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
COUNTER-NARCOTICS SUPPORT .....	546,203	421,029	- 125,174
Transfer to National Guard Counter-Drug Program .....		- 31,768	
Transfer to International Security Cooperation Programs .....		- 26,006	
Program decrease—no continuation of projects reduced in fiscal year 2020 for southwest border barrier construction .....		- 47,400	
Program decrease—southwest border barrier construction .....		- 20,000	
DRUG DEMAND REDUCTION PROGRAM .....	123,704	123,704	0
NATIONAL GUARD COUNTER-DRUG PROGRAM .....	94,211	195,979	101,768
Transfer from Counter-Narcotics Support .....		31,768	
Program increase .....		70,000	
NATIONAL GUARD COUNTER-DRUG SCHOOLS .....	5,511	5,511	0
TOTAL, DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE .....	769,629	746,223	- 23,406

#### DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES

The Committee recommendation includes \$421,029,000 for Counter-Narcotics Support, which supports the counter-narcotics activities of United States Northern Command and United States Southern Command, including the Joint Interagency Task Force South. The Committee also supports the provision of intelligence,

surveillance, and reconnaissance assets to these combatant commands to support their counter-drug operations.

The Committee recommendation transfers \$31,768,000 from Counter-Narcotics Support to the National Guard Counter-Drug Program. The Committee recommendation also transfers \$26,006,000 requested for international programs under Counter-Narcotics Support to International Security Cooperation Programs managed by the Defense Security Cooperation Agency to build the capacity of countries in the Northern Command and Southern Command areas of responsibility to counter illicit drug trafficking. The budget request for fiscal year 2022 should request funding for these programs in a manner similar to the Committee recommendation for this fiscal year.

The Committee is concerned with the misrepresentation by the Department of Defense regarding the purposes for which funds were requested under this heading in fiscal year 2020. The Department of Defense has reallocated \$47,400,000 from Counter-Narcotics Support for activities that were neither requested by the Department nor appropriated by Congress, namely to fund southwest border barrier construction. Such actions deny the Committee its constitutional and oversight responsibilities and the Committee recommendation for fiscal year 2021 does not continue funding programs that were reduced as a result of the Department's actions.

The Committee is also concerned with the proper management of funds appropriated under this heading. The Committee understands that the Department of Defense delayed transfers from this account to other appropriations for months while estimates for border construction were being developed. In lieu of the intended source, other appropriations were used to implement programs normally funded under this heading. The Committee expects the Secretary of Defense to ensure that funding provided under this heading is properly managed and executed in a timely manner.

The Committee recommendation does not include the \$20,000,000 requested in fiscal year 2021 for southwest border barrier construction, and section 8134 prohibits funds in this Act from being used for that purpose. Moreover, section 8135 of the Act returns any unobligated funds, which were transferred by the Department of Defense on February 13, 2020 for southwest border barrier construction, to their original accounts to be used for the original purposes for which they were appropriated by Congress.

The Committee recognizes the important role of the National Guard Counter-Drug program in assisting local and state agencies in addressing national drug-related challenges. The Committee encourages the administrators of the National Guard Counter-Drug program to continue their coordination with communities, regions, and other organizations to help alleviate the national drug problem. The Committee notes the recommendations contained in Government Accountability Office report 19-27 and encourages the Chief of the National Guard Bureau to issue guidance on the operation and administration of the National Guard Counterdrug Program in order to improve program performance.

## OFFICE OF THE INSPECTOR GENERAL

Fiscal year 2020 appropriation .....	\$363,499,000
Fiscal year 2021 budget request .....	371,439,000
Committee recommendation .....	387,696,000
Change from budget request .....	+16,257,000

The Committee recommends an appropriation of \$387,696,000 for the Office of the Inspector General which will provide the following program in fiscal year 2021:

## EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE .....	369,483	385,740	16,257
Program increase—oversight of PL 116–136 funding .....		16,257	
PROCUREMENT .....	858	858	0
RESEARCH, DEVELOPMENT, TEST AND EVALUATION .....	1,098	1,098	0
TOTAL, OFFICE OF THE INSPECTOR GENERAL .....	371,439	387,696	16,257

TITLE VII  
RELATED AGENCIES

NATIONAL AND MILITARY INTELLIGENCE PROGRAMS

The National Intelligence Program and the Military Intelligence Program budgets funded in this 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, and 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, 2021.

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND  
DISABILITY SYSTEM FUND

Fiscal year 2020 appropriation .....	\$514,000,000
Fiscal year 2021 budget request .....	514,000,000
Committee recommendation .....	514,000,000
Change from budget request .....	— — —

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

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.

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

Fiscal year 2020 appropriation .....	\$556,000,000
Fiscal year 2021 budget request .....	663,000,000
Committee recommendation .....	619,728,000
Change from budget request .....	– 43,272,000

The Committee recommends an appropriation of \$619,728,000 for the Intelligence Community Management Account.



## TITLE VIII

### GENERAL PROVISIONS

Title VIII of the accompanying bill includes 139 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 limits the obligation of certain funds provided in this Act during the last two months of the fiscal year.

Section 8005 has been amended and 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 provides limitations and conditions on the use of funds made available in this Act to initiate multiyear procurement contracts.

Section 8011 has been amended and 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-Protege Program.

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

Section 8017 provides that no funds made available in this Act shall be used for the support of any non-appropriated funds activity of the Department of Defense that procures malt beverages and wine except under certain conditions.

Section 8018 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 8019 provides a limitation on funds being used for the relocation of any Department of Defense entity into or within the National Capital Region.

Section 8020 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 8021 provides that no funding for the Defense Media Activity may be used for national or international political or psychological activities.

Section 8022 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 8023 is new and requires notification of the receipt of contributions from foreign governments.

Section 8024 has been amended and provides funding for the Civil Air Patrol Corporation.

Section 8025 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 increases funding provided for FFRDCs.

Section 8026 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 8027 defines the congressional defense committees as the Armed Services Committees of the House and Senate and the Subcommittees on Defense of the House and Senate Appropriations Committees.

Section 8028 provides for competitions between private firms and Department of Defense depot maintenance activities.

Section 8029 has been amended and provides for the revocation of blanket waivers of the Buy American Act.

Section 8030 provides for the availability of funds contained in the Department of Defense Overseas Military Facility Investment Recovery Account.

Section 8031 provides for the conveyance, without consideration, of relocatable housing units that are excess to the needs of the Air Force.



Section 8032 provides authority to use operation and maintenance appropriations to purchase items having an investment item unit cost of not more than \$250,000.

Section 8033 has been amended and provides authority to use operation and maintenance appropriations for the Asia Pacific Regional Initiative Program.

Section 8034 prohibits the sale of tobacco products in military resale outlets below the most competitive price in the local community.

Section 8035 has been amended and prohibits the use of Working Capital Funds to purchase specified investment items.

Section 8036 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 8037 provides for the availability of funds for the mitigation of environmental impacts on Indian lands resulting from Department of Defense activities.

Section 8038 requires the Department of Defense to comply with the Buy American Act, chapter 83 of title 41, United States Code.

Section 8039 places certain limitations on the use of funds made available in this Act to establish field operating agencies.

Section 8040 places restrictions on converting to contractor performance an activity or function of the Department of Defense unless it meets certain guidelines provided.

#### (RESCISSIONS)

Section 8041 has been amended and provides for the rescission of \$2,491,100,000 from the following programs:

#### 2019 Appropriations:

Procurement of Weapons and Tracked Combat Vehicles,	
Army:	
Bradley program mods .....	\$14,250,000
Other Procurement, Army:	
Family of weapon sights .....	12,953,000
Aircraft Procurement, Navy:	
MQ 4 Triton AP .....	7,983,000
Other Procurement, Navy:	
Aircraft support equipment .....	2,226,000
Aircraft Procurement, Air Force:	
B-52 1760 IWBUs .....	14,100,000
C-135B .....	125,000,000
Combat Rescue Helicopter .....	25,000,000
MC-130J recap .....	41,124,000
RQ-4 mods .....	12,200,000
RQ-4 post-production support .....	17,100,000
RQ-4 spares .....	2,100,000
Other Procurement, Air Force:	
Classified .....	12,400,000

#### 2020 Appropriations:

Operation and Maintenance, Defense-Wide:	
Defense Security Cooperation Account .....	20,000,000
Procurement of Weapons and Tracked Combat Vehicles,	
Army:	
Armored multipurpose vehicle .....	87,840,000
Bradley program mods .....	6,000,000
Other Procurement, Army:	
Spider family of networked munitions .....	10,878,000

Aircraft Procurement, Navy:	
Joint Strike Fighter STOVL AP .....	83,185,000
CH-53K field activities .....	13,315,000
CH-53K (Heavy Lift) AP .....	53,753,000
P-8A Poseidon .....	77,600,000
Advanced helicopter training system .....	56,071,000
KC-130J .....	14,878,000
MQ-4 Triton AP .....	10,070,000
F-18 series .....	42,137,000
Shipbuilding and Conversion, Navy:	
CVN Refueling Overhauls .....	13,100,000
TAO Fleet Oiler AP .....	73,000,000
Other Procurement, Navy:	
CG modernization .....	22,920,000
LSD midlife and modernization .....	28,000,000
Aviation support equipment .....	10,000,000
Procurement, Marine Corps:	
Modification kits .....	20,139,000
Ground air/task oriented radar .....	13,400,000
Aircraft Procurement, Air Force:	
C-130 AMP 1 .....	4,700,000
C-17 BLOS .....	4,800,000
C-5 CNS/ATM .....	7,900,000
Combat Rescue Helicopter .....	65,000,000
E-11 BACN Gateway UON .....	43,000,000
KC-46 .....	209,588,000
MC-130J recap .....	79,874,000
RQ-4 post-production support .....	23,896,000
RQ-4 spares .....	700,000
Missile Procurement, Air Force:	
ALCM .....	19,500,000
ICBM fuze mod .....	5,000,000
Other Procurement, Air Force:	
GCSS-AF FOS (LOGIT) .....	11,226,000
Research, Development, Test and Evaluation, Army:	
Indirect fire protection capability inc 2 block 1 .....	74,286,000
Mobile medium range missile .....	5,000,000
Improved turbine engine program .....	49,527,000
Manned ground vehicle .....	130,415,000
Long range precision fires .....	51,394,000
Research, Development, Test and Evaluation, Navy:	
New design SSN .....	70,000,000
Research, Development, Test and Evaluation, Air Force:	
ALCM .....	6,000,000
Arms control implementation .....	33,448,000
B-52 ATP display .....	3,000,000
B-52 CERP .....	10,000,000
B-52 RMP .....	5,800,000
Combat Rescue Helicopter .....	30,000,000
Hypersonics prototyping .....	115,000,000
KC-46 .....	16,093,000
Research, Development, Test and Evaluation, Defense-Wide:	
Ballistic missile defense enabling programs .....	2,031,000
BMD targets .....	300,000
Technology maturation initiatives .....	6,400,000
Hypersonic defense .....	12,500,000
Improved homeland defense interceptors .....	302,000,000
Defense Working Capital Fund:	
Defense Counter-Intelligence and Security Agency Work- ing Capital Fund .....	150,000,000

Section 8042 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 8043 has been amended and prohibits funding from being obligated or expended for assistance to the Democratic People's Republic of Korea unless specifically appropriated for that purpose.

Section 8044 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 8045 prohibits the transfer of Department of Defense and Central Intelligence Agencies drug interdiction and counter-drug activities funds to other agencies.

Section 8046 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 8047 has been amended and provides funding for Red Cross and United Services Organization grants.

Section 8048 prohibits funding from being used to purchase supercomputers which are not manufactured in the United States. Section 8049 provides funds for the Small Business Innovation Research program and the Small Business Technology Transfer program.

Section 8050 prohibits funding from being used for contractor bonuses being paid due to business restructuring.

Section 8051 provides transfer authority for the pay of military personnel in connection with support and services for eligible organizations and activities outside the Department of Defense.

Section 8052 has been amended and provides for the Department of Defense to dispose of negative unliquidated or unexpended balances for expired or closed accounts.

Section 8053 provides conditions for the use of equipment of the National Guard Distance Learning Project on a space-available, reimbursable basis.

Section 8054 has been amended and provides funding for Sexual Assault Prevention and Response Programs.

Section 8055 has been amended and 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 8056 provides for a waiver of "Buy American" provisions for certain cooperative programs.

Section 8057 prohibits funding in this Act from being used for repairs or maintenance to military family housing units.

Section 8058 provides obligation authority for new starts for advanced concept technology demonstration projects only after notification to the congressional defense committees.

Section 8059 has been amended and 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 8060 provides for the use of National Guard personnel to support ground-based elements of the National Ballistic Missile Defense System.

Section 8061 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 8062 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 8063 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 8064 has been amended and prohibits funding to separate, or to consolidate from within, the National Intelligence Program budget from the Department of Defense budget.

Section 8065 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 8066 provides for the transfer of funds made available in this Act under Operation and Maintenance, Navy to the John C. Stennis Center for Public Service Development Trust Fund.

Section 8067 has been amended and prohibits the modification of command and control relationships to give Fleet Forces Command operational and administrative control of United States Navy forces assigned to the Pacific fleet.

Section 8068 has been amended and requires notification for the rapid acquisition and deployment of supplies and associated support services.

Section 8069 has been amended and provides funding and transfer authority for the Israeli Cooperative Programs.

Section 8070 has been amended and provides for the funding of prior year shipbuilding cost increases.

Section 8071 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 8072 has been amended and prohibits funding from being used to initiate a new start program without prior written notification.

Section 8073 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 8074 prohibits funding from being used for the research, development, test, evaluation, procurement, or deployment of nuclear armed interceptors of a missile defense system.

Section 8075 has been amended and makes funds available for transfer for the purposes of rapid acquisition and deployment of supplies and associated support services.

Section 8076 prohibits funding from being used to reduce or disestablish the operation of the 53rd Weather Reconnaissance Squadron of the Air Force Reserve.

Section 8077 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 8078 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 8079 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 8080 provides limitations on the Shipbuilding and Conversion, Navy appropriation.

Section 8081 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 8082 provides that certain support to friendly foreign countries be made in accordance with section 8005 or 9002 of this Act.

Section 8083 has been amended and places limitations on the reprogramming of funds from the Department of Defense Acquisition Workforce Development Account.

Section 8084 prohibits funding from being used in violation the Child Soldiers Prevention Act of 2008.

Section 8085 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. 3024(d)).

Section 8086 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 8087 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 8088 has been amended and prohibits the use of funds for the purpose of making remittances to the Department of Defense Acquisition Workforce Development Account.

Section 8089 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 8090 prohibits the use of funds for federal contracts in excess of \$1,000,000 unless the contractor meets certain conditions.

Section 8091 has been amended and provides funds for transfer to the Joint Department of Defense—Department of Veterans Affairs Medical Facility Demonstration Fund.

Section 8092 prohibits the use of funds providing certain missile defense information to certain entities.

Section 8093 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 8094 has been amended and provides the Director of National Intelligence with general transfer authority with certain limitations.

Section 8095 prohibits funding from being used in contravention of the War Powers Resolution.

Section 8096 has been amended and 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 8097 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 8098 directs the Secretary of Defense to post grant awards on a public website in a searchable format.

Section 8099 places restrictions on transfer amounts available in the Rapid Prototyping Fund.

Section 8100 prohibits the use of funds by the National Security Agency targeting United States persons under authorities granted in the Foreign Intelligence Surveillance Act.

Section 8101 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 8102 has been amended and provides that operation and maintenance funds may be used for any purposes related to the National Defense Reserve Fleet.

Section 8103 prohibits the use of funds to provide counterterrorism support to foreign partners unless the congressional defense committees are notified accordingly.

Section 8104 prohibits the use of funds to award a new TAO Fleet Oiler or FFG Frigate program contract for the acquisition of certain components unless those components are manufactured in the United States.

Section 8105 has been amended and prohibits certain transfers from the Department of Defense Acquisition Workforce Development Account.

Section 8106 prohibits the use of funds for gaming or entertainment that involves nude entertainers.

Section 8107 prohibits the use of funding for information technology systems that do not have pornographic content filters.

Section 8108 has been amended and prohibits funds to deliver F-35 aircraft to the Republic of Turkey.

Section 8109 has been amended and places certain limitations on the transfer of funds for the Global Engagement Center.

Section 8110 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 8111 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 8112 has been amended and places restrictions on the use of funding for military parades.

Section 8113 has been amended and provides for the use of funds to modify two F-35 Joint Strike Fighters per variant to a test configuration.

Section 8114 provides for funding available in the Defense Health Program for death gratuity payments.

Section 8115 prohibits funds in the Act from being used to enter into a contract or provide a loan to any corporation that has any unpaid Federal tax liability.

Section 8116 has been amended and provides that any advance billing for background investigation services and related services purchased from activities financed using the Defense Working Capital Fund shall be excluded from the calculation of cumulative advance billings.

Section 8117 has been amended and prohibits funds from being used to transfer the National Reconnaissance Office to the Space Force.

Section 8118 is new and requires the Secretary of Defense to make a certification prior to the transfer of any element to the Space Force.

Section 8119 is new and provides funds appropriated under military personnel may be used for expenses for members of the Space Force.

Section 8120 is new and requires the Director of the Defense Security Cooperation Agency to submit a spend plan.

Section 8121 has been amended and reduces funding due to favorable foreign exchange rates.

Section 8122 is new and reduces funding due to favorable fuel costs.

Section 8123 is new and prohibits funds from being used to exclude or implement the exclusion of the Department of Defense from cover under the Federal Service Labor Management Relations Statute.

Section 8124 is new and requires the Secretary of Defense to provide information and documents regarding the December 1981 massacre in El Mozote.

Section 8125 is new and provides funds for agile development, test and evaluation, procurement, production and modification, and the operation and maintenance for certain software pilot programs.

Section 8126 is new and requires the Secretary of Defense to report on deployed personnel by each geographic combatant command.

Section 8127 is new and requires the Secretary of Defense to provide notification before the deployment of security force assistance brigades.

Section 8128 is new and provides funds for the purposes of public healthcare professionals and public health laboratory staff, laboratory and medical equipment, and medical supplies.

Section 8129 is new and prohibits funds for the development and design of certain future naval ships unless any contract specifies

that all hull, mechanical, and electrical components are manufactured in the United States.

Section 8130 is new and prohibits funds for the decommissioning of any Littoral Combat Ships.

Section 8131 is new and requires the Secretary of Defense provide notification of deployments of armed forces to locations outside the United States.

Section 8132 is new and prohibits funding from being obligated or expended in a manner that does not comply with the requirements in section 365 of H.R. 7120 limiting the transfer of Department of Defense personal property to state or local law enforcement agencies.

Section 8133 is new and prohibits the use of funds to conduct, or prepare to conduct, any explosive nuclear weapons test that produces any yield. This section does not limit science-based stockpile stewardship activities consistent with the zero-yield standard or requirements under other provisions of law, such as sections 2523 and 2525 of title 50, United States Code.

Section 8134 is new and prohibits funds to construct a wall, fence, border barriers, or border security infrastructure along the southern land border of the United States.

Section 8135 is new and requires funds provided for the Department of Defense for fiscal year 2020 that were transferred by the Department and remain unobligated be returned to the original accounts.

Section 8136 is new and limits the use of active armed forces on the southern border unless the costs are reimbursed by the requesting agency.

Section 8137 is new and provides \$50,000,000 for a new program that will assist communities that surround military installations with excessive decibel noise caused by military aircraft.

Section 8138 is new and prohibits the use of funds to provide guidance on, review, prepare, approve, or recommend budget request funding levels or initiatives for the Department of Energy.

Section 8139 is new and provides funding for renaming Army installations, facilities, roads, and streets named after confederate leaders and officers.



TITLE IX  
OVERSEAS CONTINGENCY OPERATIONS/GLOBAL WAR ON  
TERRORISM

COMMITTEE RECOMMENDATION

In title IX, the Committee recommends additional appropriations totaling \$68,435,000,000 for overseas contingency operations/global war on terrorism pursuant to section 251(b)(2)(A)(ii) of the Balanced Budget and Emergency Deficit Control Act of 1985. 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 overseas contingency operations and building capacity efforts. The Committee directs the Secretary of Defense to continue to report to the House and Senate Appropriations Committees the 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 and the Counter-Islamic State of Iraq and Syria Train and Equip Fund.

The Committee directs the Secretary of Defense to submit an updated report to the congressional defense committees not later than 60 days after the enactment of this Act on military actions being conducted pursuant to Public Law 107-40 and Public Law 107-243.

The Committee directs the Secretary of Defense to update the report required by House Report 115-769 under the heading "Report on U.S. Defense Assistance to Saudi Arabia and United Arab Emirates Coalition in Yemen" not later than 60 days after the enactment of this Act. Such report shall include an assessment of the current conflict and a detailed description of any United States assistance provided to or involvement with the operations of the coalition; a description of United States military, Department of Defense civilian employees, and defense contractor employees involved in such matters; and the specific legal authority under which such personnel are involved.

The Committee recognizes the strategic partnership between the United States and Iraq and supports efforts to normalize the security relationship after more than 17 years. Accordingly, the Committee directs the Secretary of Defense, in coordination with the Secretary of State, to undertake a comprehensive review and assessment of United States security assistance programs with Iraq, including the current management, personnel, funding, and goals associated with such assistance. The review shall examine the de-

livery and management of such assistance, including through Office of Security Cooperation-Iraq. The results of the review and assessment along with recommendations shall be submitted in a report to the congressional defense committees not later than 60 days after the enactment of this Act.

The Committee expects the Secretary of Defense to comply with section 1090 of Public Law 114-328 regarding the cost of wars in Afghanistan, Iraq, and Syria, and to post this information on the Department's public website in a timely manner.

#### OVERSEAS CONTINGENCY OPERATIONS JUSTIFICATION DOCUMENTS

The Committee is concerned with the lack of detailed information provided in the budget justification documents associated with programs and activities supported by overseas contingency operations (OCO) funding. Such documents do not accurately depict how funds will be obligated and expended. Moreover, different operations within combatant commands are often combined and described as named operations, when they should be requested separately. The Committee rejects the notion that if the overall level for the sub-activity group remains level from one year into the next, that funding changes between named operations do not require further justification or budget documentation. All changes within sub-activity groups should be justified.

The Committee directs the Secretary of Defense and the Service Secretaries to include in the fiscal year budget 2022 request for OCO funding a breakout for each named operation, including a comparison of funds for such operations for the previous two fiscal years; the number of personnel associated with such funds; and a description of the direct war, enduring, or base funding being requested. Such information should be included in unclassified form but may be accompanied by a classified annex to the budget submission. The Secretary of Defense is also directed to consult with the House and Senate Appropriations Committees not later than 30 days after the enactment of this Act and prior to the submission of the budget request.

#### MILITARY PERSONNEL

The Committee recommends an additional appropriation of \$4,602,593,000 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
<b>MILITARY PERSONNEL, ARMY</b>			
BA-1: PAY AND ALLOWANCES OF OFFICERS			
BASIC PAY	450,089	450,089	0
RETIRED PAY ACCRUAL	121,524	121,524	0
BASIC ALLOWANCE FOR HOUSING	121,394	121,394	0
BASIC ALLOWANCE FOR SUBSISTENCE	16,302	16,302	0
INCENTIVE PAYS	2,379	2,379	0
SPECIAL PAYS	25,555	25,555	0
ALLOWANCES	16,194	16,194	0
SEPARATION PAY	2,543	2,543	0
SOCIAL SECURITY TAX	34,432	34,432	0
TOTAL, BA-1	790,412	790,412	0
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
BASIC PAY	777,103	777,103	0
RETIRED PAY ACCRUAL	209,818	209,818	0
BASIC ALLOWANCE FOR HOUSING	369,533	369,533	0
INCENTIVE PAYS	1,270	1,270	0
SPECIAL PAYS	66,121	66,121	0
ALLOWANCES	45,638	45,638	0
SEPARATION PAY	4,105	4,105	0
SOCIAL SECURITY TAX	59,449	59,449	0
TOTAL, BA-2	1,533,037	1,533,037	0
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL			
BASIC ALLOWANCE FOR SUBSISTENCE	88,317	88,317	0
SUBSISTENCE-IN-KIND	297,516	297,516	0
TOTAL, BA-4	385,833	385,833	0
BA-5: PERMANENT CHANGE OF STATION TRAVEL			
OPERATIONAL TRAVEL	4,456	4,456	0
ROTATIONAL TRAVEL	1,055	1,055	0
TOTAL, BA-5	5,511	5,511	0
BA-6: OTHER MILITARY PERSONNEL COSTS			
INTEREST ON UNIFORMED SERVICES SAVINGS	4,035	4,035	0
DEATH GRATUITIES	3,100	3,100	0
UNEMPLOYMENT BENEFITS	19,375	19,375	0
SGLI EXTRA HAZARD PAYMENTS	6,730	6,730	0
TOTAL, BA-6	33,240	33,240	0
<b>TOTAL, MILITARY PERSONNEL, ARMY</b>	<b>2,748,033</b>	<b>2,748,033</b>	<b>0</b>

M-1	Budget Request	Committee Recommended	Change from Request
<b>MILITARY PERSONNEL, NAVY</b>			
BA-1: PAY AND ALLOWANCES OF OFFICERS			
BASIC PAY	76,596	76,596	0
RETIRED PAY ACCRUAL	20,681	20,681	0
BASIC ALLOWANCE FOR HOUSING	25,367	25,367	0
BASIC ALLOWANCE FOR SUBSISTENCE	2,444	2,444	0
INCENTIVE PAYS	432	432	0
SPECIAL PAYS	3,647	3,647	0
ALLOWANCES	7,199	7,199	0
SOCIAL SECURITY TAX	5,860	5,860	0
TOTAL, BA-1	142,226	142,226	0
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
BASIC PAY	87,750	87,750	0
RETIRED PAY ACCRUAL	23,692	23,692	0
BASIC ALLOWANCE FOR HOUSING	46,929	46,929	0
INCENTIVE PAYS	105	105	0
SPECIAL PAYS	7,849	7,849	0
ALLOWANCES	14,581	14,581	0
SOCIAL SECURITY TAX	6,713	6,713	0
TOTAL, BA-2	187,619	187,619	0
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL			
BASIC ALLOWANCE FOR SUBSISTENCE	9,176	9,176	0
SUBSISTENCE-IN-KIND	21,664	21,664	0
TOTAL, BA-4	30,840	30,840	0
BA-5: PERMANENT CHANGE OF STATION TRAVEL			
ACCESSION TRAVEL	6,202	6,202	0
OPERATIONAL TRAVEL	60	60	0
ROTATIONAL TRAVEL	128	128	0
SEPARATION TRAVEL	5,804	5,804	0
TOTAL, BA-5	12,194	12,194	0
BA-6: OTHER MILITARY PERSONNEL COSTS			
UNEMPLOYMENT BENEFITS	7,673	7,673	0
SGLI EXTRA HAZARD PAYMENTS	1,734	1,734	0
TOTAL, BA-6	9,407	9,407	0
<b>TOTAL, MILITARY PERSONNEL, NAVY</b>	<b>382,286</b>	<b>382,286</b>	<b>0</b>
<b>MILITARY PERSONNEL, MARINE CORPS</b>			
BA-1: PAY AND ALLOWANCES OF OFFICERS			
BASIC PAY	25,398	25,398	0
RETIRED PAY ACCRUAL	6,858	6,858	0
BASIC ALLOWANCE FOR HOUSING	8,861	8,861	0
BASIC ALLOWANCE FOR SUBSISTENCE	820	820	0
INCENTIVE PAYS	255	255	0
SPECIAL PAYS	1,059	1,059	0
ALLOWANCES	1,338	1,338	0

M-1	Budget Request	Committee Recommended	Change from Request
SEPARATION PAY	433	433	0
SOCIAL SECURITY TAX	1,942	1,942	0
TOTAL, BA-1	46,964	46,964	0
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
BASIC PAY	33,876	33,876	0
RETIRED PAY ACCRUAL	9,148	9,148	0
BASIC ALLOWANCE FOR HOUSING	21,206	21,206	0
INCENTIVE PAYS	18	18	0
SPECIAL PAYS	5,630	5,630	0
ALLOWANCES	3,932	3,932	0
SEPARATION PAY	705	705	0
SOCIAL SECURITY TAX	2,591	2,591	0
TOTAL, BA-2	77,106	77,106	0
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL			
BASIC ALLOWANCE FOR SUBSISTENCE	3,880	3,881	0
TOTAL, BA-4	3,880	3,881	0
BA-6: OTHER MILITARY PERSONNEL COSTS			
INTEREST ON UNIFORMED SERVICES SAVINGS	250	250	0
SGLI EXTRA HAZARD PAYMENTS	1,742	1,742	0
TOTAL, BA-6	1,992	1,992	0
TOTAL, MILITARY PERSONNEL, MARINE CORPS	129,942	129,943	0
MILITARY PERSONNEL, AIR FORCE			
BA-1: PAY AND ALLOWANCES OF OFFICERS			
BASIC PAY	131,426	131,426	0
RETIRED PAY ACCRUAL	35,485	35,485	0
BASIC ALLOWANCE FOR HOUSING	41,038	41,038	0
BASIC ALLOWANCE FOR SUBSISTENCE	4,221	4,221	0
SPECIAL PAYS	5,211	5,211	0
ALLOWANCES	5,547	5,547	0
SOCIAL SECURITY TAX	10,054	10,054	0
TOTAL, BA-1	232,982	232,982	0
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
BASIC PAY	347,182	347,182	0
RETIRED PAY ACCRUAL	93,739	93,739	0
BASIC ALLOWANCE FOR HOUSING	147,758	147,758	0
SPECIAL PAYS	23,799	23,799	0
ALLOWANCES	26,472	26,472	0
SOCIAL SECURITY TAX	26,559	26,559	0
TOTAL, BA-2	665,509	665,509	0

M-1	Budget Request	Committee Recommended	Change from Request
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL			
BASIC ALLOWANCE FOR SUBSISTENCE	34,678	34,678	0
SUBSISTENCE-IN-KIND	130,371	130,371	0
TOTAL, BA-4	165,049	165,049	0
BA-6: OTHER MILITARY PERSONNEL COSTS			
DEATH GRATUITIES	200	200	0
UNEMPLOYMENT BENEFITS	8,447	8,447	0
SGLI EXTRA HAZARD PAYMENTS	4,981	4,981	0
TOTAL, BA-6	13,628	13,628	0
TOTAL, MILITARY PERSONNEL, AIR FORCE	1,077,168	1,077,168	0
RESERVE PERSONNEL, ARMY			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	33,414	33,414	0
TOTAL, BA-1	33,414	33,414	0
TOTAL, RESERVE PERSONNEL, ARMY	33,414	33,414	0
RESERVE PERSONNEL, NAVY			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	11,771	11,771	0
TOTAL, BA-1	11,771	11,771	0
TOTAL, RESERVE PERSONNEL, NAVY	11,771	11,771	0
RESERVE PERSONNEL, MARINE CORPS			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	2,001	2,001	0
ADMINISTRATION AND SUPPORT	47	47	0
TOTAL, BA-1	2,048	2,048	0
TOTAL, RESERVE PERSONNEL, MARINE CORPS	2,048	2,048	0
RESERVE PERSONNEL, AIR FORCE			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	16,816	16,816	0
TOTAL, BA-1	16,816	16,816	0
TOTAL, RESERVE PERSONNEL, AIR FORCE	16,816	16,816	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)	62,718	62,718	0
SCHOOL TRAINING	3,752	3,752	0
SPECIAL TRAINING	107,242	107,242	0
ADMINISTRATION AND SUPPORT	21,602	21,602	0
TOTAL, BA-1	195,314	195,314	0
TOTAL, NATIONAL GUARD PERSONNEL, ARMY	195,314	195,314	0
NATIONAL GUARD PERSONNEL, AIR FORCE			
BA-1: UNIT AND INDIVIDUAL TRAINING			
SPECIAL TRAINING	5,800	5,800	0
TOTAL, BA-1	5,800	5,800	0
TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE	5,800	5,800	0
TOTAL, MILITARY PERSONNEL	4,602,592	4,602,593	0

OPERATION AND MAINTENANCE

The Committee recommends an additional appropriation of \$57,824,499,000 for Operation and Maintenance. The Committee recommendation for each operation and maintenance account is as follows:



EXPLANATION OF PROJECT TABLES  
[In thousands of dollars]

O-1	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE, ARMY			
111 MANEUVER UNITS	4,114,001	3,764,001	-350,000
Insufficient justification		-350,000	
113 ECHELONS ABOVE BRIGADE	32,811	32,811	0
114 THEATER LEVEL ASSETS	2,542,760	2,532,760	-10,000
Unjustified growth		-10,000	
115 LAND FORCES OPERATIONS SUPPORT	162,557	147,557	-15,000
Unjustified growth		-15,000	
116 AVIATION ASSETS	204,396	204,396	0
121 FORCE READINESS OPERATIONS SUPPORT	5,716,734	5,616,734	-100,000
Unjustified growth		-100,000	
122 LAND FORCES SYSTEMS READINESS	180,048	150,048	-30,000
Unjustified growth		-30,000	
123 LAND FORCES DEPOT MAINTENANCE	81,125	81,125	0
131 BASE OPERATIONS SUPPORT	219,029	194,029	-25,000
Insufficient justification		-25,000	
FACILITIES SUSTAINMENT, RESTORATION AND			
132 MODERNIZATION	301,017	226,017	-75,000
Insufficient justification		-75,000	
135 ADDITIONAL ACTIVITIES	966,649	966,649	0
136 COMMANDERS' EMERGENCY RESPONSE PROGRAM	2,500	500	-2,000
Excess to need		-2,000	
137 RESET	403,796	403,796	0
141 US AFRICA COMMAND	100,422	100,422	0
142 US EUROPEAN COMMAND	120,043	120,043	0
CYBERSPACE ACTIVITIES - CYBERSPACE			
151 OPERATIONS	98,461	98,461	0
153 CYBERSPACE ACTIVITIES - CYBERSECURITY	21,256	21,256	0
212 ARMY PREPOSITIONED STOCK	103,052	103,052	0

O-1	Budget Request	Committee Recommended	Change from Request
321 SPECIALIZED SKILL TRAINING	89,943	89,943	0
324 TRAINING SUPPORT	2,550	2,550	0
421 SERVICEWIDE TRANSPORTATION	521,090	521,090	0
422 CENTRAL SUPPLY ACTIVITIES	43,897	43,897	0
423 LOGISTICS SUPPORT ACTIVITIES	68,423	68,423	0
424 AMMUNITION MANAGEMENT	29,162	29,162	0
432 SERVICEWIDE COMMUNICATIONS	11,447	11,447	0
434 OTHER PERSONNEL SUPPORT	5,839	5,839	0
437 REAL ESTATE MANAGEMENT	48,782	48,782	0
441 INTERNATIONAL MILITARY HEADQUARTERS	50,000	50,000	0
411 OTHER PROGRAMS	895,964	895,964	0
<b>TOTAL, OPERATION AND MAINTENANCE, ARMY</b>	<b>17,137,754</b>	<b>16,530,754</b>	<b>-607,000</b>
<b>OPERATION AND MAINTENANCE, NAVY</b>			
1A1A MISSION AND OTHER FLIGHT OPERATIONS	382,062	375,062	-7,000
Insufficient justification		-7,000	
1A3A AVIATION TECHNICAL DATA & ENGINEERING SVCS	832	832	0
1A4A AIR OPERATIONS AND SAFETY SUPPORT	17,840	17,840	0
1A4N AIR SYSTEMS SUPPORT	210,692	210,692	0
1A5A AIRCRAFT DEPOT MAINTENANCE	170,580	170,580	0
1A6A AIRCRAFT DEPOT OPERATIONS SUPPORT	5,854	5,854	0
1A9A AVIATION LOGISTICS	33,707	26,707	-7,000
Insufficient justification		-7,000	
1B1B MISSION AND OTHER SHIP OPERATIONS	5,817,696	5,622,696	-195,000
Insufficient justification		-195,000	
1B2B SHIP OPERATIONS SUPPORT & TRAINING	20,741	20,741	0
1B5B SHIP DEPOT MAINTENANCE	2,072,470	2,523,131	450,661
Insufficient justification		-50,000	
Transfer from title II		500,661	

O-1	Budget Request	Committee Recommended	Change from Request
1C1C COMBAT COMMUNICATIONS	59,254	59,254	0
1C3C SPACE SYSTEMS AND SURVEILLANCE	18,000	18,000	0
1C4C WARFARE TACTICS	17,324	17,324	0
1C5C OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	22,581	22,581	0
1C6C COMBAT SUPPORT FORCES Insufficient justification	772,441	762,441 -10,000	-10,000
EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS 1C7C SUPPORT	5,788	5,788	0
COMBATANT COMMANDERS DIRECT MISSION 1CCW SUPPORT	24,800	24,800	0
1CCY CYBERSPACE ACTIVITIES	369	369	0
1D4D WEAPONS MAINTENANCE Transfer from title II	567,247	578,022 10,775	10,775
1D7D OTHER WEAPON SYSTEMS SUPPORT	12,571	12,571	0
BSM1FSRM	70,041	70,041	0
BSS1 BASE OPERATING SUPPORT	218,792	218,792	0
2C1H EXPEDITIONARY HEALTH SERVICES SYSTEMS	22,589	22,589	0
3B1K SPECIALIZED SKILL TRAINING	53,204	53,204	0
4A1M ADMINISTRATION	9,983	9,983	0
MILITARY MANPOWER AND PERSONNEL 4A4M MANAGEMENT	7,805	7,805	0
4B1N SERVICEWIDE TRANSPORTATION	72,097	72,097	0
4B3N ACQUISITION AND PROGRAM MANAGEMENT	11,354	11,354	0
4C1P INVESTIGATIVE AND SECURITY SERVICES	1,591	1,591	0
TOTAL, OPERATION AND MAINTENANCE, NAVY	10,700,305	10,942,741	242,436

O-1	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE, MARINE CORPS			
1A1A OPERATIONAL FORCES	727,989	770,989	43,000
Insufficient justification		-20,000	
Transfer from title II		63,000	
1A2A FIELD LOGISTICS	195,001	195,001	0
1A3A DEPOT MAINTENANCE	55,183	55,183	0
1CCY CYBERSPACE ACTIVITIES	10,000	10,000	0
BSS1 BASE OPERATING SUPPORT	24,569	24,569	0
3B4D TRAINING SUPPORT	28,458	28,458	0
4A3G SERVICEWIDE TRANSPORTATION	61,400	61,400	0
TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS	1,102,600	1,145,600	43,000
OPERATION AND MAINTENANCE, AIR FORCE			
11A PRIMARY COMBAT FORCES	125,551	121,551	-4,000
Insufficient justification		-4,000	
11C COMBAT ENHANCEMENT FORCES	916,538	881,538	-35,000
Insufficient justification		-35,000	
11D AIR OPERATIONS TRAINING	93,970	93,970	0
11M DEPOT MAINTENANCE	3,528,059	3,403,059	-125,000
Insufficient justification		-125,000	
11R REAL PROPERTY MAINTENANCE	147,264	147,264	0
11V CYBERSPACE SUSTAINMENT	10,842	10,842	0
CONTRACTOR LOGISTICS SUPPORT AND SYSTEM			
11W SUPPORT	7,187,100	8,368,942	1,181,842
Transfer from Title II		1,508,342	
Insufficient justification		-326,500	
11Y FLYING HOUR PROGRAM	2,031,548	2,015,548	-16,000
Insufficient justification		-16,000	
11Z BASE OPERATING SUPPORT	1,540,444	1,515,444	-25,000
Insufficient justification		-25,000	
12A GLOBAL C3I AND EARLY WARNING	13,709	13,709	0

O-1	Budget Request	Committee Recommended	Change from Request
12C OTHER COMBAT OPS SPT PROGRAMS	345,800	343,800	-2,000
Insufficient justification		-30,000	
Department requested transfer from line 44A		28,000	
12D CYBERSPACE ACTIVITIES	17,936	17,936	0
12F TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	36,820	36,820	0
13A LAUNCH FACILITIES	70	70	0
13C SPACE CONTROL SYSTEMS	1,450	1,450	0
15C US NORTHCOM/NORAD	725	725	0
15D US STRATCOM	856	856	0
15E US CYBERCOM	35,189	35,189	0
15F US CENTCOM	126,934	171,134	44,200
Department requested transfer from line 42G		44,200	
21A AIRLIFT OPERATIONS	1,271,439	1,256,439	-15,000
Insufficient justification		-15,000	
21D MOBILIZATION PREPAREDNESS	120,866	120,866	0
31A OFFICER ACQUISITION	200	200	0
31B RECRUIT TRAINING	352	352	0
32A SPECIALIZED SKILL TRAINING	27,010	27,010	0
32B FLIGHT TRAINING	844	844	0
32C PROFESSIONAL DEVELOPMENT EDUCATION	1,199	1,199	0
32D TRAINING SUPPORT	1,320	1,320	0
41A LOGISTICS OPERATIONS	164,701	164,701	0
41B TECHNICAL SUPPORT ACTIVITIES	11,782	11,782	0
42A ADMINISTRATION	3,886	3,886	0
42B SERVICEWIDE COMMUNICATIONS	355	355	0
42G OTHER SERVICEWIDE ACTIVITIES	100,831	56,631	-44,200
Department requested transfer to line 15F		-44,200	
44A INTERNATIONAL SUPPORT	29,928	1,928	-28,000
Department requested transfer to line 12C		-28,000	

O-1	Budget Request	Committee Recommended	Change from Request
43A OTHER PROGRAMS	34,502	34,502	0
TOTAL, OPERATION AND MAINTENANCE, AIR FORCE	17,930,020	18,861,862	931,842
OPERATION AND MAINTENANCE, SPACE FORCE			
GLOBAL C3I & EARLY WARNING	227	227	0
SPACE LAUNCH OPERATIONS	321	321	0
SPACE OPERATIONS	15,135	15,135	0
DEPOT MAINTENANCE	18,268	18,268	0
CONTRACTOR LOGISTICS & SYSTEMS SUPPORT	43,164	43,164	0
TOTAL, OPERATION AND MAINTENANCE, SPACE FORCE	77,115	77,115	0
OPERATION AND MAINTENANCE, DEFENSE-WIDE			
1PL1 JOINT CHIEFS OF STAFF	3,799	3,799	0
8PL1 JOINT CHIEFS OF STAFF CE2T2	6,634	6,634	0
1PL6 SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	898,024	900,984	2,960
Program increase - combat loss replacement		2,960	
1PLU SPECIAL OPERATIONS COMMAND INTELLIGENCE	1,244,553	1,254,553	10,000
Program increase		10,000	
1PL7 SPECIAL OPERATIONS COMMAND MAINTENANCE	354,951	354,951	0
1PLV SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	104,535	104,535	0
1PLR SPECIAL OPERATIONS COMMAND THEATER FORCES	757,744	749,744	-8,000
Section 1202 excess to need		-8,000	
4GT6 DEFENSE CONTRACT AUDIT AGENCY	1,247	1,247	0
4GT0 DEFENSE CONTRACT MANAGEMENT AGENCY	21,723	21,723	0
4GTJ DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	0	13,247	13,247
Program increase - defense-wide review reductions funding restoration		13,247	
4GT9 DEFENSE INFORMATION SYSTEMS AGENCY	56,256	81,133	24,877
Program increase		24,877	

O-1	Budget Request	Committee Recommended	Change from Request
4GU9 DEFENSE INFORMATION SYSTEMS AGENCY - CYBER	3,524	3,524	0
4GTA DEFENSE LEGAL SERVICES AGENCY	156,373	156,373	0
ES18 DEFENSE MEDIA ACTIVITY	3,555	14,377	10,822
Program increase - defense-wide review reductions funding restoration		10,822	
4GTD DEFENSE SECURITY COOPERATION AGENCY	1,557,763	1,651,296	93,533
Transfer from National Defense Strategy Implementation Account to Ministry of Defense Advisors Program		-15,000	
Transfer to Ministry of Defense Advisors Program from National Defense Strategy Implementation Account		15,000	
Transfer from National Defense Strategy Implementation Account to International Security Cooperation Programs		-612,763	
Transfer to International Security Cooperation Programs from National Defense Strategy Implementation Account		612,763	
Program increase - International Security Cooperation Programs with countries in AFRICOM		51,429	
Program increase - International Security Cooperation Programs with countries in CENTCOM		10,929	
Program increase - International Security Cooperation Programs for Baltic Security Initiative		6,175	
Program increase - Ukraine Security Assistance Initiative		25,000	
4GTI DEFENSE THREAT REDUCTION AGENCY	297,486	297,486	0
4GTN OFFICE OF THE SECRETARY OF DEFENSE	16,984	16,984	0
4GTQ WASHINGTON HEADQUARTERS SERVICES	1,997	1,997	0
999 OTHER PROGRAMS	535,106	535,106	0
TOTAL, OPERATION AND MAINTENANCE, DEFENSE- WIDE	6,022,254	6,169,693	147,439
OPERATION AND MAINTENANCE, ARMY RESERVE			
113 ECHELONS ABOVE BRIGADE	17,193	17,193	0
121 FORCES READINESS OPERATIONS SUPPORT	440	440	0
131 BASE OPERATIONS SUPPORT	15,766	15,766	0
TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	33,399	33,399	0

O-1	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE, NAVY RESERVE			
1A3A INTERMEDIATE MAINTENANCE	522	522	0
1A5A AIRCRAFT DEPOT MAINTENANCE	11,861	11,861	0
1C6C COMBAT SUPPORT FORCES	9,109	9,109	0
TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	21,492	21,492	0
OPERATION AND MAINTENANCE, MARINE CORPS RESERVE			
1A1A OPERATING FORCES	7,627	7,627	0
BSS1 BASE OPERATING SUPPORT	1,080	1,080	0
TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	8,707	8,707	0
OPERATION AND MAINTENANCE, AIR FORCE RESERVE			
11M DEPOT MAINTENANCE	24,408	24,408	0
11Z BASE OPERATING SUPPORT	5,682	5,682	0
TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE	30,090	30,090	0
OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
111 MANEUVER UNITS	25,746	25,746	0
112 MODULAR SUPPORT BRIGADES	40	40	0
113 ECHELONS ABOVE BRIGADE	983	983	0
114 THEATER LEVEL ASSETS	22	22	0
116 AVIATION ASSETS	20,624	20,624	0
121 FORCE READINESS OPERATIONS SUPPORT	7,914	7,914	0
131 BASE OPERATIONS SUPPORT	24,417	24,417	0
432 SERVICEWIDE COMMUNICATIONS	46	46	0
TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	79,792	79,792	0



O-1	Budget Request	Committee Recommended	Change from Request
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
11G MISSION SUPPORT OPERATIONS	3,739	3,739	0
11M DEPOT MAINTENANCE	61,862	61,862	0
11W SUPPORT	97,108	97,108	0
11Z BASE SUPPORT	12,933	12,933	0
TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD	175,642	175,642	0
AFGHANISTAN SECURITY FORCES FUND			
Afghan National Army	1,235,067	1,235,067	0
Sustainment	1,065,932	1,065,932	
Infrastructure	64,501	64,501	
Equipment and Transportation	47,854	47,854	
Training and Operations	56,780	56,780	
Afghan National Police	602,172	602,172	0
Sustainment	434,500	434,500	
Infrastructure	446	448	
Equipment and Transportation	108,231	108,231	
Training and Operations	58,993	58,993	
Afghan Air Force	835,924	835,924	0
Sustainment	534,102	534,102	
Infrastructure	9,532	9,532	
Equipment and Transportation	58,487	58,487	
Training and Operations	233,803	233,803	
Afghan Special Security Forces	1,342,449	1,342,449	0
Sustainment	680,024	680,024	
Infrastructure	2,532	2,532	
Equipment and Transportation	486,808	486,808	
Training and Operations	173,085	173,085	
Undistributed Adjustment		-968,000	-968,000
TOTAL, AFGHANISTAN SECURITY FORCES FUND	4,015,612	3,047,612	-968,000
COUNTER-ISIS TRAIN AND EQUIP FUND			
Iraq Train and Equip	645,000	500,000	-145,000
Syria Train and Equip	200,000	200,000	0
TOTAL, COUNTER-ISIS TRAIN AND EQUIP FUND	845,000	700,000	-145,000
TOTAL, OPERATION AND MAINTENANCE	58,179,782	57,824,499	-355,283

## GUANTANAMO BAY DETENTION FACILITY

The Committee is concerned with the extraordinary costs associated with the Guantanamo Bay detention facility, which amounts to millions of dollars annually per detainee, and encourages a focus on reducing such costs in a responsible manner. The Committee directs the Secretary of Defense to submit a report to the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act on the current number of detainees; their legal status; a description of all Department Defense costs associated with the facility during the last two fiscal years and planned for fiscal year 2021, by program, account, and activity; and recommendations to reduce such costs over the next three fiscal years. The Committee directs that the fiscal year 2022 budget request include a similar description of such costs and any associated cost savings measures planned for that fiscal year.

## COMMANDERS' EMERGENCY RESPONSE PROGRAM

The Committee recommendation provides that not more than \$2,000,000 under Operation and Maintenance, Army may be used for the Commanders' Emergency Response Program. The Committee believes that after nearly two decades the time has come to wind down this program. The Committee directs the Secretary of Defense to transition program activities to the Afghanistan Security Forces and other agencies of the United States government, as appropriate, and to phase out this program during fiscal year 2021.

## EFFORTS TO MINIMIZE CIVILIAN CASUALTIES

The Committee supports efforts by the Department of Defense to minimize civilian casualties and fully funds the request for resources to improve tracking of civilian casualties.

## EX GRATIA PAYMENTS

The Committee recommendation includes sufficient funding for the Office of the Secretary of Defense under Operation and Maintenance, Defense-Wide, for payments made to redress injury and loss pursuant to section 1213 of the National Defense Authorization Act for Fiscal Year 2020.

## AFGHANISTAN SECURITY FORCES FUND

The Committee recommendation includes \$3,047,612,000 for the Afghanistan Security Forces Fund and notes the significant unobligated balances from prior year appropriations.

The Committee recognizes the sacrifices made by the members of the Afghanistan Security Forces and the recommendation provides the support necessary for such forces to continue to defend their country. The Committee notes the gains made in Afghanistan and the significant investments made by the United States and coalition partners in the Afghanistan Security Forces over nearly two decades.

The Committee supports efforts to bring peace to Afghanistan but notes the considerable uncertainty associated with the conflict, including the current level of violence and with respect to intra-Afghan negotiations. Irrespective of the outcome of these efforts, the

Committee believes that certain conditions must be in place for United States assistance under this heading to continue. Accordingly, the Committee recommendation provides that funds appropriated under this heading for the Afghanistan Security Forces may only be obligated if the Secretary of Defense, in consultation with the Secretary of State, certifies in writing to the congressional defense committees that such forces are controlled by a civilian, representative government that is protecting human rights and women's rights and preventing terrorists and terrorist groups from using the territory of Afghanistan to threaten the security of the United States and United States allies.

The Committee recommendation does not include funding for major capital projects, major upgrades, or the procurement of new systems, including the procurement of ten CH-47 helicopters. The recommendation also includes modified language prohibiting funds for the transfer of additional C-130 cargo aircraft to the Afghanistan National Security Forces or the Afghanistan Air Force.

The Committee recommendation includes funding for Afghanistan security personnel at their current levels, rather than authorized levels. The recommendation fully funds the request for the Afghanistan Personnel and Pay System and provides funding only for personnel who are enrolled in the system. The Committee also supports the use of identification cards, biometrics, and other measures to prevent fraud. The Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act on efforts to reduce corruption in the Afghanistan Security Forces, including through programs and technologies supported under this heading.

The Committee recommendation provides not less than \$20,000,000 for the recruitment and retention of women in the Afghanistan National Security Forces, and the recruitment and training of female security personnel, which is twice the amount specified in the Department of Defense Appropriations Act, 2020. The Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 45 days after the enactment of this Act describing the proposed use of such funds, including programmatic details, personnel targets, and other goals and objectives to be achieved with this funding.

The Committee recommendation includes funding for items to reduce Afghanistan Security Forces casualties, including equipment for explosive ordnance disposal and to counter improvised explosive devices.

The Committee supports the efforts of the Combined Security Transition Command-Afghanistan to transition costs of items such as fuel from the United States to the Government of Afghanistan. The Committee recommendation assumes the transition of additional items, including funding requested for civilian pay for the Ministry of Defense not funded during fiscal year 2020; funding for sustainment/general operations not funded during fiscal year 2020; and a portion of funding for facilities sustainment, restoration, and modernization.

The Committee remains interested in the details of the conditions-based withdrawal of United States and coalition forces from Afghanistan. Not later than 30 days after the enactment of this Act

and quarterly thereafter, the Committee directs the Secretary of Defense, in coordination with the Director of National Intelligence, to submit a report to the congressional defense committees on United States coalition personnel in Afghanistan and the current conditions of the conflict, including metrics related to the peace agreement and an assessment of whether the Taliban is adhering to its commitments under the agreement.

The Committee recommendation continues language prohibiting funds for any member of the Taliban except to support a reconciliation activity that includes the participation of members of the Government of Afghanistan, does not restrict the participation of women, and is authorized by section 1218 of the National Defense Authorization Act for Fiscal Year 2020.

The Committee is concerned about reports that Russian military intelligence units secretly offered bounties to Taliban-linked militants for killing United States and coalition forces in Afghanistan. The Committee directs the Secretary of Defense, in coordination with the Director of National Intelligence, to submit an assessment and report to the congressional defense committees not later than 30 days after the enactment of this Act, on Russia's malign activities in Afghanistan, including activities specifically directed against United States and coalition forces in Afghanistan; any damage done by such activities; and measures taken or planned by the Administration in response.

The Committee notes the recent statements made by the Administration to reduce funding previously appropriated by Congress for Afghanistan due to the political situation in that country. The Committee is not aware of any specific statutory authority that would allow the withholding of funding provided under this heading for such purposes. The Committee notes the January 2020 decision by the Government Accountability Office regarding the withholding of funds in violation of the Impoundment Control Act.

#### COUNTER-ISIS TRAIN AND EQUIP FUND

The Committee recommendation includes \$700,000,000 for the Counter-ISIS Train and Equip Fund. The Committee notes the significant unobligated balances from prior appropriations and the disruption of programs due to the COVID-19 pandemic.

The Committee recognizes the gains made by the Global Coalition to Defeat the Islamic State of Iraq and Syria (ISIS) to liberate the territory once controlled by that terrorist organization. Nevertheless, the Committee is concerned by the continued threat of ISIS and the potential for ISIS to regenerate. The Committee recommendation continues support under this heading for the Iraqi Security Forces, Kurdish Peshmerga, and the Syrian Democratic Forces to participate in activities to counter ISIS. The Committee recommendation also continues the requirement that the Secretary of Defense ensure that elements are appropriately vetted and have made commitments to promote respect for human rights and the rule of law.

The Committee recommendation continues enhanced notification and reporting requirements for funds provided under this heading, including the requirement for the Secretary of Defense to notify the congressional defense committees not fewer than 15 days prior to

obligating funds. The Committee directs that such notifications include a description of the amount, type, and purpose of assistance to be funded and the recipient of the assistance; the budget and implementation timeline, with milestones and anticipated delivery schedule for such assistance; and a description of any material misuse of such assistance since the last notification was submitted, along with a description of any remedies taken by the Department of Defense. The first notification submitted for funds provided under this heading shall also include an explanation of how such funds will build security force capabilities, professionalize partner security forces, provide wide-area security, and promote long-term stability in the region.

The Committee recommendation includes \$500,000,000 to counter ISIS in Iraq, including support for units of the Iraqi Security Forces directly engaged in such efforts. The Committee recommendation also supports the Kurdish Peshmerga. In conjunction with the central government of Iraq, the Department of Defense should continue to provide the Peshmerga with the security capabilities necessary to help secure territory liberated from ISIS and to counter ISIS threats. Such support should include training, equipment, and operational support tailored to conditions on the ground. The Committee also notes that continued insecurity in northern Iraq has hindered the return of religious minorities and encourages a focus on programs that will increase security in these areas.

The Committee recommendation includes \$200,000,000 to counter ISIS in Syria, including support for units of the Syrian Democratic Forces directly engaged in such efforts.

The Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act on measures taken to minimize civilian casualties and mitigate any negative impacts on the civilian population from the defeat ISIS campaign, including through training programs supported under this heading.

The Committee notes that the mission of the Combined Joint Task Force Operation Inherent Resolve is to work by, with, and through regional partners to militarily defeat ISIS, not to guard oil fields. The Committee recommendation includes modified language in section 9007 prohibiting funds to exercise United States control over any oil resource of Iraq or Syria.

The Committee recommendation continues the authority for the Secretary of Defense to provide infrastructure repair and renovation, and construction for facility fortification and humane treatment. The recommendation also allows the Secretary to accept and retain contributions from foreign governments and requires the Secretary to prioritize such contributions when providing any assistance for construction for facility fortification. The Committee directs that any congressional notification submitted for facility fortification include detailed information on the scope of proposed projects and information on contributions from partner nations, which should reflect no less than \$3 for every \$1 from the United States. The Committee directs the Secretary of Defense to consult with the House and Senate Appropriations Committees prior to submitting a notification for such projects.

PROCUREMENT

The Committee recommends an additional appropriation of \$6,473,543,000 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
<b>AIRCRAFT PROCUREMENT, ARMY</b>			
2 MQ-1 UAV Program increase - additional aircraft	0	110,000 110,000	110,000
9 AH-64 APACHE BLOCK IIIB NEW BUILD	69,154	69,154	0
14 CH-47	50,472	50,472	0
17 MQ-1 PAYLOAD Justification does not match need	5,968	0 -5,968	-5,968
20 MULTI SENSOR ABN RECON	122,520	122,520	0
26 EMARSS SEMA MODS	26,460	26,460	0
30 DEGRADED VISUAL ENVIRONMENT	1,916	1,916	0
33 RQ-7 UAV MODS Program increase	0	30,000 30,000	30,000
37 CMWS	149,162	149,162	0
38 COMMON INFRARED COUNTERMEASURES (CIRCM)	32,400	32,400	0
41 AIRCREW INTEGRATED SYSTEMS	3,028	3,028	0
<b>TOTAL, AIRCRAFT PROCUREMENT, ARMY</b>	<b>461,080</b>	<b>595,112</b>	<b>134,032</b>
<b>MISSILE PROCUREMENT, ARMY</b>			
2 M-SHORAD	158,300	158,300	0
3 MSE MISSILE	176,585	176,585	0
6 HELLFIRE SYSTEM SUMMARY	236,265	236,265	0
11 GUIDED MLRS ROCKET (GMLRS)	127,015	127,015	0
15 LETHAL MINIATURE AERIAL MISSILE SYSTEM Contract delays	84,993	69,393 -15,600	-15,600
17 ATACMS MODS	78,434	78,434	0
22 MLRS MODS	20,000	20,000	0
<b>TOTAL, MISSILE PROCUREMENT, ARMY</b>	<b>881,592</b>	<b>865,992</b>	<b>-15,600</b>

P-1	Budget Request	Committee Recommended	Change from Request
PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY			
16 MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON	4,765	4,765	0
19 MORTAR SYSTEMS	10,460	10,460	0
TOTAL, PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY	15,225	15,225	0
PROCUREMENT OF AMMUNITION, ARMY			
1 CTG, 5.56MM, ALL TYPES	567	567	0
2 CTG, 7.62MM, ALL TYPES	40	40	0
4 CTG, HANDGUN, ALL TYPES	17	17	0
5 CTG, .50 CAL, ALL TYPES	189	189	0
7 CTG, 30MM, ALL TYPES	24,900	24,900	0
16 PROJ 155MM EXTENDED RANGE M982	29,213	29,213	0
17 ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL	21,675	21,675	0
20 SHOULDER LAUNCHED MUNITIONS, ALL TYPES	176	176	0
21 ROCKET, HYDRA 70, ALL TYPES	33,880	33,880	0
29 ITEMS LESS THAN \$5M (AMMO)	11	11	0
TOTAL, PROCUREMENT OF AMMUNITION, ARMY	110,668	110,668	0
OTHER PROCUREMENT, ARMY			
13 FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	6,500	6,500	0
14 PLS ESP	15,163	15,163	0
17 TACTICAL WHEELED VEHICLE PROTECTION KITS	27,066	27,066	0
TRANSPORTABLE TACTICAL COMMAND 30 COMMUNICATIONS	2,700	2,700	0
32 ASSURED POSITIONING, NAVIGATION AND TIMING	12,566	12,566	0
33 SMART-T (SPACE)	289	289	0
34 GLOBAL BROADCAST SERVICE (GBS)	319	319	0
FAMILY OF MED COMM FOR COMBAT CASUALTY 45 CARE	1,257	1,257	0
48 CI AUTOMATION ARCHITECTURE	1,230	1,230	0



P-1	Budget Request	Committee Recommended	Change from Request
52 COMMUNICATIONS SECURITY (COMSEC)	128	128	0
58 INFORMATION SYSTEMS	15,277	15,277	0
62 INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	74,004	74,004	0
68 DCGS-A	47,709	47,709	0
70 TROJAN	1,766	1,766	0
71 MOD OF IN-SVC EQUIPMENT (INTEL SUPPORT)	61,450	61,450	0
73 BIOMETRIC TACTICAL COLLECTION DEVICES	12,337	12,337	0
80 FAMILY OF PERSISTENT SURVEILLANCE CAP	44,293	44,293	0
81 COUNTERINTELLIGENCE/SECURITY	49,100	49,100	0
83 SENTINEL MODS	33,496	33,496	0
84 NIGHT VISION DEVICES	643	643	0
87 RADIATION MONITORING SYSTEMS Excess to need	11	0 -11	-11
88 INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	37,000	37,000	0
94 COMPUTER BALLISTICS: LHMBC XM32	280	280	0
95 MORTAR FIRE CONTROL SYSTEM	13,672	13,672	0
100 AIR AND MSL DEFENSE PLANNING & CONTROL SYS	15,143	15,143	0
109 ARMY TRAINING MODERNIZATION	4,688	4,688	0
110 AUTOMATED DATA PROCESSING EQUIPMENT	16,552	16,552	0
121 FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	25,480	25,480	0
122 BASE DEFENSE SYSTEMS (BDS) NIIS insufficient justification	98,960	86,060 -12,900	-12,900
123 CBRN DEFENSE	18,887	18,887	0
125 TACTICAL BRIDGING	50,400	50,400	0
137 RENDER SAFE SETS KITS OUTFITS Unit cost discrepancies	84,000	48,500 -35,500	-35,500
140 HEATERS AND ECUS	370	370	0
142 PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	3,721	3,721	0
145 FORCE PROVIDER	56,400	56,400	0

P-1	Budget Request	Committee Recommended	Change from Request
146 FIELD FEEDING EQUIPMENT	2,279	2,279	0
147 CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	2,040	2,040	0
150 DISTRIBUTION SYSTEMS, PETROLEUM & WATER	4,374	4,374	0
151 COMBAT SUPPORT MEDICAL	6,390	6,390	0
152 MOBILE MAINTENANCE EQUIPMENT SYSTEMS	7,769	7,769	0
153 ITEMS LESS THAN \$5M (MAINT EQ)	184	184	0
156 LOADERS	3,190	3,190	0
157 HYDRAULIC EXCAVATOR	7,600	7,600	0
158 TRACTOR, FULL TRACKED	7,450	7,450	0
160 HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	3,703	3,703	0
162 CONST EQUIP ESP	657	657	0
167 GENERATORS AND ASSOCIATED EQUIP	106	106	0
169 FAMILY OF FORKLIFTS	1,885	1,885	0
180 RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	8,500	8,500	0
181 PHYSICAL SECURITY SYSTEMS (OPA3)	3,248	3,248	0
185 BUILDING, PRE-FAB, RELOCATABLE	31,845	31,845	0
TOTAL, OTHER PROCUREMENT, ARMY	924,077	875,666	-48,411
AIRCRAFT PROCUREMENT, NAVY			
24 STUASLO UAV	7,921	7,921	0
53 COMMON ECM EQUIPMENT	3,474	3,474	0
55 COMMON DEFENSIVE WEAPON SYSTEM	3,339	3,339	0
64 QRC	18,507	18,507	0
TOTAL, AIRCRAFT PROCUREMENT, NAVY	33,241	33,241	0
WEAPONS PROCUREMENT, NAVY			
12 HELLFIRE	5,572	5,572	0
TOTAL, WEAPONS PROCUREMENT, NAVY	5,572	5,572	0

P-1	Budget Request	Committee Recommended	Change from Request
PROCUREMENT OF AMMO, NAVY & MARINE CORPS			
1 GENERAL PURPOSE BOMBS	8,068	5,005	-3,063
Q2191 BLU-111 previously funded		-2,910	
Q2160 BLU-117 prior year carryover		-153	
2 JDAM	15,529	15,529	0
3 AIRBORNE ROCKETS, ALL TYPES	23,000	10,149	-12,851
MK-86 rocket motor contract delays		-12,851	
4 MACHINE GUN AMMUNITION	22,600	22,600	0
6 CARTRIDGES & CART ACTUATED DEVICES	3,927	3,927	0
7 AIR EXPENDABLE COUNTERMEASURES	15,978	15,978	0
8 JATOS	2,100	2,100	0
11 OTHER SHIP GUN AMMUNITION	2,611	7	-2,604
M72A8 LAW early to need		-2,604	
12 SMALL ARMS & LANDING PARTY AMMO	1,624	1,624	0
13 PYROTECHNIC AND DEMOLITION	505	505	0
TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS	95,942	77,424	-18,518
OTHER PROCUREMENT, NAVY			
28 STANDARD BOATS	19,104	19,104	0
35 SMALL & MEDIUM UUV	2,946	2,946	0
43 FIXED SURVEILLANCE SYSTEM	213,000	213,000	0
92 SONOBUOYS - ALL TYPES	26,196	26,196	0
95 AIRCRAFT SUPPORT EQUIPMENT	60,217	60,217	0
110 EXPLOSIVE ORDNANCE DISPOSAL EQUIPMENT	2,124	2,124	0
115 PASSENGER CARRYING VEHICLES	177	0	-177
Unjustified request		-177	
116 GENERAL PURPOSE TRUCKS	416	0	-416
Unjustified request		-416	
118 FIRE FIGHTING EQUIPMENT	801	0	-801
Unjustified request		-801	
125 FIRST DESTINATION TRANSPORTATION	520	0	-520
Unjustified request		-520	

P-1	Budget Request	Committee Recommended	Change from Request
128 TRAINING AND EDUCATION EQUIPMENT	11,500	11,500	0
130 MEDICAL SUPPORT EQUIPMENT	3,525	3,525	0
136 PHYSICAL SECURITY EQUIPMENT	3,000	3,000	0
TOTAL, OTHER PROCUREMENT, NAVY	343,526	341,612	-1,914
PROCUREMENT, MARINE CORPS			
12 GUIDED MLRS ROCKET (GMLRS)	17,456	17,456	0
15 MODIFICATION KITS	4,200	4,200	0
21 INTELLIGENCE SUPPORT EQUIPMENT	10,124	10,124	0
38 MOTOR TRANSPORT MODIFICATIONS	16,183	16,183	0
TOTAL, PROCUREMENT, MARINE CORPS	47,963	47,963	0
AIRCRAFT PROCUREMENT, AIR FORCE			
13 COMBAT RESCUE HELICOPTER	174,000	174,000	0
20 MQ-9	142,490	343,600	201,110
Program increase - 16 aircraft		285,700	
Production line shutdown ahead of need		-75,990	
ECP excess to need		-8,600	
21 RQ-20 PUMA	13,770	13,770	0
26 LAIRCM	57,521	57,521	0
46 U-2 MODS	9,600	9,600	0
55 COMPASS CALL	12,800	12,800	0
66 HC/MC-130 MODIFICATIONS	58,020	58,020	0
69 MQ-9 UAS PAYLOADS	46,100	63,500	17,400
Program increase - Gorgon Stare operational loss		17,400	
70 CV-22 MODS	6,290	6,290	0
71 INITIAL SPARES/REPAIR PARTS	10,700	10,700	0
72 MQ-9	12,250	12,250	0
73 AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	25,614	25,614	0
TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE	569,155	787,665	218,510

P-1	Budget Request	Committee Recommended	Change from Request
MISSILE PROCUREMENT, AIR FORCE			
4 JASSM	30,000	30,000	0
8 HELLFIRE	143,420	143,420	0
9 SMALL DIAMETER BOMB	50,352	50,352	0
TOTAL, MISSILE PROCUREMENT, AIR FORCE	223,772	223,772	0
PROCUREMENT OF AMMUNITION, AIR FORCE			
1 ROCKETS	19,489	19,489	0
2 CARTRIDGES	40,434	40,434	0
4 GENERAL PURPOSE BOMBS	369,566	369,566	0
6 JOINT DIRECT ATTACK MUNITION	237,723	237,723	0
15 FLARES	21,171	21,171	0
16 FUZES	107,855	107,855	0
17 SMALL ARMS	6,217	6,217	0
TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE	802,455	802,455	0
OTHER PROCUREMENT, AIR FORCE			
1 PASSENGER CARRYING VEHICLES	1,302	1,302	0
2 MEDIUM TACTICAL VEHICLE	3,400	3,400	0
4 CARGO AND UTILITY VEHICLES	12,475	12,475	0
5 JOINT LIGHT TACTICAL VEHICLE	26,150	26,150	0
7 SPECIAL PURPOSE VEHICLES	51,254	51,254	0
8 FIRE FIGHTING/CRASH RESCUE VEHICLES	24,903	24,903	0
9 MATERIALS HANDLING VEHICLES	14,167	14,167	0
10 RUNWAY SNOW REMOVAL AND CLEANING	5,759	5,759	0
11 BASE MAINTENANCE SUPPORT VEHICLES	20,653	20,653	0
26 GENERAL INFORMATION TECHNOLOGY	5,100	5,100	0
31 AIR FORCE PHYSICAL SECURITY SYSTEM	56,496	56,496	0
49 BASE COMM INFRASTRUCTURE	30,717	30,717	0

P-1	Budget Request	Committee Recommended	Change from Request
55 ENGINEERING AND EOD EQUIPMENT	13,172	13,172	0
56 MOBILITY EQUIPMENT	33,694	33,694	0
57 FUEL SUPPORT EQUIPMENT (FSE)	1,777	1,777	0
58 BASE MAINTENANCE AND SUPPORT EQUIPMENT	31,620	31,620	0
61 DCGS-AF	18,700	18,700	0
65 SPARES AND REPAIR PARTS	4,000	4,000	0
TOTAL, OTHER PROCUREMENT, AIR FORCE	355,339	355,339	0
PROCUREMENT, DEFENSE-WIDE			
16 DEFENSE INFORMATION SYSTEM NETWORK	6,120	6,120	0
27 COUNTER IMPROVISED THREAT TECHNOLOGIES	2,540	2,540	0
999 CLASSIFIED PROGRAMS	3,500	3,500	0
56 MANNED ISR Program increase - combat loss replacement	5,000	45,120 40,120	40,120
57 MC-12	5,000	5,000	0
60 UNMANNED ISR	8,207	8,207	0
62 U-28 Program increase - combat loss replacement	0	24,711 24,711	24,711
70 ORDNANCE ITEMS LESS THAN \$5M	105,355	105,355	0
71 INTELLIGENCE SYSTEMS	16,234	16,234	0
73 OTHER ITEMS LESS THAN \$5M	984	984	0
76 TACTICAL VEHICLES	2,990	2,990	0
77 WARRIOR SYSTEMS LESS THAN \$5M	32,573	32,573	0
78 COMBAT MISSION REQUIREMENTS	10,000	10,000	0
80 OPERATIONAL ENHANCEMENTS INTELLIGENCE	6,724	6,724	0
81 OPERATIONAL ENHANCEMENTS Program increase - combat loss replacement	53,264	65,779 12,515	12,515
TOTAL, PROCUREMENT, DEFENSE-WIDE	258,491	335,837	77,346
NATIONAL GUARD AND RESERVE EQUIPMENT	0	1,000,000	1,000,000
TOTAL, PROCUREMENT	5,128,098	6,473,543	1,345,445

## NATIONAL GUARD AND RESERVE EQUIPMENT ACCOUNT

The Committee recommends \$1,000,000,000 for the National Guard and Reserve Equipment Account. Of that amount, \$300,000,000 is for the Army National Guard; \$300,000,000 is for the Air National Guard; \$160,000,000 is for the Army Reserve; \$65,000,000 is for the Navy Reserve; \$15,000,000 is for the Marine Corps Reserve; and \$160,000,000 is for the Air Force Reserve to meet urgent equipment needs in the coming fiscal year.

This funding will allow the National Guard and reserve components to procure high priority equipment used by these components for both their military missions and missions in support of State governors. The funding within this account is not to be used to procure equipment 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 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 able to 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; airborne and ground detect and avoid systems; containerized ice making systems; crash-worthy, ballistically tolerant auxiliary fuel systems; counter-UAS systems; gamma radiation protection; helmet-mounted display system; hypervisor-based cross domain access solution; modular small arms ranges and small arms training simulators and tools; radiological screening portals; training systems and simulators; and virtual language training systems.

## RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The Committee recommends an additional appropriation of \$321,508,000 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			
16 NEXT GENERATION COMBAT VEHICLE TECHNOLOGY	2,000	2,000	0
80 AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	500	500	0
114 INTEGRATED BASE DEFENSE	2,020	2,020	0
AIR DEFENSE COMMAND, CONTROL AND			
131 INTELLIGENCE - DEV	27,000	20,000	-7,000
FG5 excess to need		-7,000	
159 COMMON INFRARED COUNTERMEASURES	2,300	2,300	0
166 AIRCRAFT SURVIVABILITY DEVELOPMENT	64,625	64,625	0
183 ELECTRONIC WARFARE DEVELOPMENT	3,900	3,900	0
198 EXPLOITATION OF FOREIGN ITEMS	1,000	1,000	0
209 COUNTERINTEL AND HUMAN INTEL MODERNIZATION	4,137	4,137	0
OTHER MISSILE PRODUCT IMPROVEMENT			
239 PROGRAMS	2,300	2,300	0
248 SECURITY AND INTELLIGENCE ACTIVITIES	23,367	23,367	0
257 TACTICAL UNMANNED AERIAL VEHICLES	34,100	34,100	0
258 AIRBORNE RECONNAISSANCE SYSTEMS	15,575	15,575	0
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY	182,824	175,824	-7,000
RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY			
39 RETRACT LARCH	36,500	36,500	0
JOINT SERVICE EXPLOSIVE ORDNANCE			
58 DEVELOPMENT	14,461	14,461	0
63 CHALK CORAL	3,000	3,000	0
71 LAND ATTACK TECHNOLOGY	1,457	1,457	0
142 SHIP SELF DEFENSE (DETECT & CONTROL)	1,144	1,144	0



R-1	Budget Request	Committee Recommended	Change from Request
229 USMC INTEL/ELECTRONIC WARFARE SYSTEMS	3,000	3,000	0
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY	59,562	59,562	0
RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE			
185 JOINT COUNTER RCIED ELECTRONIC WARFARE	4,080	4,080	0
228 INTEL DATA APPLICATIONS	1,224	1,224	0
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE	5,304	5,304	0
RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE WIDE			
10 COUNTER IMPROVISED-THREAT ADVANCED STUDIES	3,699	3,699	0
26 COMBATING TERRORISM TECHNOLOGY SUPPORT	19,288	19,288	0
28 COUNTER IMPROVISED-THREAT SIMULATION	3,861	3,861	0
COUNTER IMPROVISED-THREAT DEMONSTRATION, 97 PROTOTYPE DEVELOPMENT, AND TESTING	19,931	19,931	0
260 OPERATIONAL ENHANCEMENTS	1,186	1,186	0
261 WARRIOR SYSTEMS	5,796	5,796	0
263 UNMANNED ISR	5,000	3,000	-2,000
Excess to need - underexecution		-2,000	
999 CLASSIFIED PROGRAMS	24,057	24,057	0
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE WIDE	82,818	80,818	-2,000
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION	330,508	321,508	-9,000

## REVOLVING AND MANAGEMENT FUNDS

### DEFENSE WORKING CAPITAL FUNDS

The Committee recommends an additional appropriation of \$20,090,000 for Defense Working Capital Funds.

### OTHER DEPARTMENT OF DEFENSE PROGRAMS

#### DEFENSE HEALTH PROGRAM

The Committee recommends an additional appropriation of \$365,098,000 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 .....	65,072	65,072	0
PRIVATE SECTOR CARE .....	296,828	296,828	0
CONSOLIDATED HEALTH SUPPORT .....	3,198	3,198	0
TOTAL, OPERATION AND MAINTENANCE .....	365,098	365,098	0

### OFFICE OF THE INSPECTOR GENERAL

The Committee recommends an additional appropriation of \$24,069,000 for the Office of the Inspector General.

### GENERAL PROVISIONS

Title IX of the accompanying bill includes 27 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 fiscal year 2021.

Section 9002 has been amended and provides for general transfer authority within title IX.

Section 9003 provides that supervision and administration costs associated with a construction project funded with appropriations available for operation and maintenance 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 has been amended and prohibits the establishment of permanent bases in Iraq or Afghanistan or United States control over Iraq or Syria 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 has been amended and prohibits the use of funding under certain headings to procure or transfer man-portable air defense systems.

Section 9013 has been amended and provides assistance 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 prohibits the use of funds to provide arms, training, or other assistance to the Azov Battalion.

Section 9016 has been amended and provides for the transfer of excess equipment to foreign forces receiving equipment through the Counter-ISIS Train and Equip Fund.

Section 9017 has been amended and restricts funds provided for reimbursement to the Government of Pakistan for border security operations until certain conditions are met.

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

Section 9019 prohibits the use of funds with respect to Syria in contravention of the War Powers Resolution.

Section 9020 has been amended and prohibits the transfer of additional C-130 cargo aircraft to the Afghanistan National Security Forces or Afghanistan Air Force.

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

Section 9022 has been amended and restricts funds provided in this Act for any member of the Taliban.

Section 9023 provides that nothing in this Act may be construed as authorizing the use of force against Iran.

Section 9024 is new and required the Secretary to provide a notification when a foreign base is open or closed.

Section 9025 has been amended and provides funds to the Department of Defense to improve near-term intelligence, surveillance, and reconnaissance capabilities.

#### (RESCISSIONS)

Section 9026 has been amended and provides for the rescission of \$1,446,400,000 from the following programs:

## 2019 Appropriations:

## Aircraft Procurement, Air Force:

B-52 infrared threat defense UON .....	\$16,400,000
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## 2020 Appropriations:

## Operation and Maintenance, Defense-Wide:

Defense Security Cooperation Account .....	80,000,000
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## Afghanistan Security Forces Fund:

Afghanistan Security Forces Fund .....	1,100,000,000
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## Counter-ISIS Train and Equip Fund:

Counter-ISIS Train and Equip Fund .....	250,000,000
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Section 9027 requires the President to designate overseas contingency operations/global war on terrorism funds.

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
TITLE I					
MILITARY PERSONNEL					
Military Personnel, Army.....	42,746,972	45,087,813	44,936,603	+2,189,631	-151,210
Military Personnel, Navy.....	31,710,431	33,892,369	33,757,999	+2,047,568	-134,370
Military Personnel, Marine Corps.....	14,098,666	14,840,871	14,534,551	+435,885	-306,320
Military Personnel, Air Force.....	31,239,149	32,901,670	32,675,965	+1,436,816	-225,705
Reserve Personnel, Army.....	4,922,087	5,106,956	5,025,216	+103,129	-81,740
Reserve Personnel, Navy.....	2,115,997	2,240,710	2,223,690	+107,693	-17,020
Reserve Personnel, Marine Corps.....	833,604	868,694	857,394	+23,790	-11,300
Reserve Personnel, Air Force.....	2,014,190	2,207,823	2,179,763	+165,573	-28,060
National Guard Personnel, Army.....	8,704,320	8,830,111	8,639,005	-65,315	-191,106
National Guard Personnel, Air Force.....	4,080,651	4,547,087	4,525,466	+464,815	-21,621
Total, title I, Military Personnel.....	142,446,067	150,524,104	149,355,652	+6,909,585	-1,168,452
Total, Tricare Accrual payments (permanent, indefinite authority).....	7,816,815	8,371,000	8,371,000	+554,185	---
Total, including Tricare.....	150,262,882	158,895,104	157,726,652	+7,463,770	-1,168,452

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
TITLE II					
OPERATION AND MAINTENANCE					
Operation and Maintenance, Army.....	39,597,083	40,312,968	40,424,428	+827,345	+111,460
Operation and Maintenance, Navy.....	47,622,510	49,692,742	49,248,117	+1,625,607	-444,625
Operation and Maintenance, Marine Corps.....	7,868,468	7,328,607	7,512,336	-356,132	+183,729
Operation and Maintenance, Air Force.....	42,736,365	34,750,597	33,595,328	-9,141,037	-1,155,269
Operation and Maintenance, Space Force.....	40,000	2,531,294	2,498,544	+2,458,544	-32,750
Operation and Maintenance, Defense-Wide .....	37,491,073	38,649,079	38,967,817	+1,476,744	+318,738
Operation and Maintenance, Army Reserve.....	2,984,494	2,934,717	3,004,717	+20,223	+70,000
Operation and Maintenance, Navy Reserve.....	1,102,616	1,127,046	1,155,746	+53,130	+28,700
Operation and Maintenance, Marine Corps Reserve.....	289,076	284,656	322,706	+33,630	+38,050
Operation and Maintenance, Air Force Reserve.....	3,227,318	3,350,284	3,300,284	+72,966	-50,000
Operation and Maintenance, Army National Guard.....	7,461,947	7,420,014	7,611,147	+149,200	+191,133
Operation and Maintenance, Air National Guard.....	6,655,292	6,753,642	6,853,942	+198,650	+100,300
United States Court of Appeals for the Armed Forces...	14,771	15,211	15,211	+440	---
Environmental Restoration, Army.....	251,700	207,518	264,285	+12,585	+56,767
Environmental Restoration, Navy.....	385,000	335,932	404,250	+19,250	+68,318
Environmental Restoration, Air Force.....	485,000	303,926	509,250	+24,250	+205,324
Environmental Restoration, Defense-Wide.....	19,002	9,105	19,952	+950	+10,847
Environmental Restoration, Formerly Used Defense Sites	275,000	216,587	288,750	+13,750	+72,163
Overseas Humanitarian, Disaster, and Civic Aid.....	135,000	109,900	147,500	+12,500	+37,600

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
Cooperative Threat Reduction Account.....	373,700	238,490	360,190	-13,510	+121,700
Department of Defense Acquisition Workforce Development Account.....	400,000	58,181	198,501	-201,499	+140,320
	=====	=====	=====	=====	=====
Total, title II, Operation and Maintenance.....	199,415,415	196,630,496	196,703,001	-2,712,414	+72,505
	=====	=====	=====	=====	=====
TITLE III					
PROCUREMENT					
Aircraft Procurement, Army.....	3,771,329	3,074,594	3,503,013	-268,316	+428,419
Missile Procurement, Army.....	2,995,673	3,491,507	3,419,333	+423,660	-72,174
Procurement of Weapons and Tracked Combat Vehicles, Army.....	4,663,597	3,696,740	3,696,263	-967,334	-477
Procurement of Ammunition, Army.....	2,578,575	2,777,716	2,789,898	+211,323	+12,182
Other Procurement, Army.....	7,581,524	8,625,206	8,453,422	+871,898	-171,784
Aircraft Procurement, Navy .....	19,605,513	17,127,378	17,710,109	-1,895,404	+582,731
Weapons Procurement, Navy.....	4,017,470	4,884,995	4,378,594	+361,124	-506,401
Procurement of Ammunition, Navy and Marine Corps.....	843,401	883,602	795,134	-48,267	-88,468
Shipbuilding and Conversion, Navy.....	23,975,378	19,902,757	22,257,938	-1,717,440	+2,355,181
Other Procurement, Navy .....	10,075,257	10,948,518	9,986,796	-88,461	-961,722
Procurement, Marine Corps.....	2,898,422	2,903,976	2,693,354	-205,068	-210,622
Aircraft Procurement, Air Force.....	17,512,361	17,908,145	19,587,853	+2,075,492	+1,679,708
Missile Procurement, Air Force.....	2,575,890	2,396,417	2,249,157	-326,733	-147,260
Space Procurement, Air Force.....	2,353,383	---	---	-2,353,383	---
Procurement of Ammunition, Air Force.....	1,625,661	596,338	609,338	-1,016,323	+13,000

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
-----					
Other Procurement, Air Force.....	21,410,021	23,695,720	23,603,470	+2,193,449	-92,250
Procurement, Space Force.....	---	2,446,064	2,289,934	+2,289,934	-156,130
Procurement, Defense-Wide.....	5,332,147	5,324,487	5,418,220	+86,073	+93,733
National Guard and Reserve Equipment.....	---	---	---	---	---
Defense Production Act Purchases.....	64,393	181,931	191,931	+127,538	+10,000
Joint Urgent Operational Needs Fund.....	---	---	---	---	---
=====					
Total, title III, Procurement.....	133,879,995	130,866,091	133,633,757	-246,238	+2,767,666
=====					

TITLE IV

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

Research, Development, Test and Evaluation, Army.....	12,543,435	12,587,343	13,126,499	+583,064	+539,156
Research, Development, Test and Evaluation, Navy.....	20,155,115	21,427,048	20,165,874	+10,759	-1,261,174
Research, Development, Test and Evaluation, Air Force.....	45,566,955	37,391,826	36,040,609	-9,526,346	-1,351,217
Research, Development, Test and Evaluation, Space Force.....	---	10,327,595	10,187,840	+10,187,840	-139,755
Research, Development, Test and Evaluation, Defense-Wide.....	25,938,027	24,280,891	24,617,177	-1,320,850	+336,286
Operational Test and Evaluation, Defense.....	227,700	210,090	210,090	-17,610	---
=====					
Total, title IV, Research, Development, Test and Evaluation.....	104,431,232	106,224,793	104,348,089	-83,143	-1,876,704
=====					



COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
-----					
TITLE V					
REVOLVING AND MANAGEMENT FUNDS					
Defense Working Capital Funds.....	1,564,211	1,348,910	1,348,910	-215,301	---
Defense Counterintelligence and Security Agency					
Working Capital Fund.....	---	---	---	---	---
	=====	=====	=====	=====	=====
Total, title V, Revolving and Management Funds..	1,564,211	1,348,910	1,348,910	-215,301	---
	=====	=====	=====	=====	=====
TITLE VI					
OTHER DEPARTMENT OF DEFENSE PROGRAMS					
Defense Health Program					
Operation and maintenance.....	31,321,665	31,349,553	31,097,781	-223,884	-251,772
Procurement.....	446,359	617,926	557,896	+111,537	-60,030
Research, development, test and evaluation.....	2,306,095	722,893	1,642,225	-663,870	+919,332
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Total, Defense Health Program 1/.....	34,074,119	32,690,372	33,297,902	-776,217	+607,530

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
Chemical Agents and Munitions Destruction, Defense:					
Operation and maintenance.....	107,351	106,691	106,691	-660	---
Procurement.....	2,218	616	616	-1,602	---
Research, development, test and evaluation.....	875,930	782,193	782,193	-93,737	---
Total, Chemical Agents 2/.....	985,499	889,500	889,500	-95,999	---
Drug Interdiction and Counter-Drug Activities, Defense1/.....	893,059	769,629	746,223	-146,836	-23,406
Office of the Inspector General 1/.....	363,499	371,439	387,696	+24,197	+16,257
Total, title VI, Other Department of Defense Programs.....	36,316,176	34,720,940	35,321,321	-994,855	+600,381
TITLE VII					
RELATED AGENCIES					
Central Intelligence Agency Retirement and Disability System Fund.....	514,000	514,000	514,000	---	---
Intelligence Community Management Account (ICMA).....	536,000	663,000	619,728	+63,728	-43,272
Total, title VII, Related agencies.....	1,070,000	1,177,000	1,133,728	+63,728	-43,272

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

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TITLE VII					
RELATED AGENCIES					
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COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
TITLE IX					
OVERSEAS CONTINGENCY OPERATIONS/GLOBAL WAR ON TERRORISM (GWOT)					
Military Personnel					
Military Personnel, Army (GWOT) .....	2,743,132	2,748,033	2,748,033	+4,901	---
Military Personnel, Navy (GWOT) .....	356,392	382,286	382,286	+25,894	---
Military Personnel, Marine Corps (GWOT) .....	104,213	129,943	129,943	+25,730	---
Military Personnel, Air Force (GWOT) .....	1,007,594	1,077,168	1,077,168	+69,574	---
Reserve Personnel, Army (GWOT) .....	34,812	33,414	33,414	-1,398	---
Reserve Personnel, Navy (GWOT) .....	11,370	11,771	11,771	+401	---
Reserve Personnel, Marine Corps (GWOT) .....	3,599	2,048	2,048	-1,551	---
Reserve Personnel, Air Force (GWOT) .....	16,428	16,816	16,816	+388	---
National Guard Personnel, Army (GWOT) .....	202,644	195,314	195,314	-7,330	---
National Guard Personnel, Air Force (GWOT) .....	5,824	5,800	5,800	+176	---
Total, Military Personnel .....	4,485,808	4,602,593	4,602,593	+116,785	---
Operation and Maintenance					
Operation & Maintenance, Army (GWOT) .....	20,092,038	17,137,754	16,530,754	-3,561,284	-607,000
Operation & Maintenance, Navy (GWOT) .....	8,772,379	10,700,305	10,942,741	+2,170,362	+242,436
(Coast Guard) (by transfer) (GWOT) .....	---	---	---	---	---
Operation & Maintenance, Marine Corps (GWOT) .....	1,109,791	1,102,600	1,145,600	+35,809	+43,000
Operation & Maintenance, Air Force (GWOT) .....	10,359,379	17,930,020	18,861,862	+8,502,483	+931,842
Operation & Maintenance, Space Force (GWOT) .....	---	77,115	77,115	+77,115	---
Operation & Maintenance, Defense-Wide (GWOT) .....	7,803,193	6,022,254	6,169,693	-1,633,500	+147,439

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
(Coalition support funds) (GWOT).....	(225,000)	---	---	(-225,000)	---
Operation & Maintenance, Army Reserve (GWOT).....	37,392	33,399	33,399	-4,193	---
Operation & Maintenance, Navy Reserve (GWOT).....	23,036	21,492	21,492	-1,544	---
Operation & Maintenance, Marine Corps Reserve (GWOT)...	8,707	8,707	8,707	---	---
Operation & Maintenance, Air Force Reserve (GWOT).....	29,758	30,090	30,090	+332	---
Operation & Maintenance, Army National Guard (GWOT)....	83,291	79,792	79,792	-3,499	---
Operation & Maintenance, Air National Guard (GWOT)....	176,909	175,642	175,642	-1,267	---
Subtotal.....	48,496,073	53,319,170	54,076,887	+5,580,814	+757,717
Afghanistan Security Forces Fund (GWOT).....	4,199,978	4,015,612	3,047,612	-1,152,366	-968,000
Counter-ISIS Train and Equip Fund (GWOT).....	1,195,000	845,000	700,000	-495,000	-145,000
Total, Operation and Maintenance.....	53,891,051	58,179,782	57,824,499	+3,933,448	-355,283
Procurement					
Aircraft Procurement, Army (GWOT).....	531,541	461,080	595,112	+63,571	+134,032
Missile Procurement, Army (GWOT).....	1,423,589	881,592	865,992	-557,597	-15,600
Procurement of Weapons and Tracked Combat Vehicles, Army (GWOT).....	346,306	15,225	15,225	-331,081	---
Procurement of Ammunition, Army (GWOT).....	148,682	110,668	110,668	-38,014	---
Other Procurement, Army (GWOT).....	1,080,504	924,077	875,666	-204,838	-48,411
Aircraft Procurement, Navy (GWOT).....	95,153	33,241	33,241	-61,912	---
Weapons Procurement, Navy (GWOT).....	116,429	5,572	5,572	-110,857	---
Procurement of Ammunition, Navy and Marine Corps (GWOT).....	204,814	95,942	77,424	-127,390	-18,518
Other Procurement, Navy (GWOT).....	351,250	343,526	341,612	-9,638	-1,914
Procurement, Marine Corps (GWOT).....	20,589	47,963	47,963	+27,374	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
Aircraft Procurement, Air Force (GWOT).....	851,310	569,155	787,665	-63,645	+218,510
Missile Procurement, Air Force (GWOT).....	201,671	223,772	223,772	+22,101	---
Procurement of Ammunition, Air Force (GWOT).....	934,758	802,455	802,455	-132,303	---
Other Procurement, Air Force (GWOT).....	3,748,801	355,339	355,339	-3,393,462	---
Procurement, Defense-Wide (GWOT).....	438,064	258,491	335,837	-102,227	+77,346
National Guard and Reserve Equipment (GWOT) .....	1,300,000	---	1,000,000	-300,000	+1,000,000
Total, Procurement.....	11,793,461	5,128,098	6,473,543	-5,319,918	+1,345,445
Research, Development, Test and Evaluation					
Research, Development, Test & Evaluation, Army (GWOT).....	147,304	182,824	175,824	+28,520	-7,000
Research, Development, Test & Evaluation, Navy (GWOT).....	164,410	59,562	59,562	-104,848	---
Research, Development, Test & Evaluation, Air Force (GWOT).....	128,248	5,304	5,304	-122,944	---
Research, Development, Test and Evaluation, Defense-Wide (GWOT).....	394,260	82,818	80,818	-313,442	-2,000
Total, Research, Development, Test and Evaluation.....	834,222	330,508	321,508	-512,714	-9,000
Revolving and Management Funds					
Defense Working Capital Funds (GWOT).....	20,100	20,090	20,090	-10	---
Other Department of Defense Programs					
Defense Health Program:					
Operation & Maintenance (GWOT).....	347,746	365,098	365,098	+17,352	---
Drug Interdiction and Counter-Drug Activities, Defense (GWOT).....	153,100	---	---	-153,100	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
Office of the Inspector General (GWOT).....	24,254	24,069	24,069	-185	---
Total, Other Department of Defense Programs.....	525,100	389,167	389,167	-135,933	---
TITLE IX					
GENERAL PROVISIONS					
Additional transfer authority (GWOT) (Sec.9002).....	(2,000,000)	(4,500,000)	(900,000)	(-1,100,000)	(-3,600,000)
Ukraine Security Assistance Initiative (GWOT) .....	---	---	---	---	---
Intelligence, Surveillance, and Reconnaissance (GWOT) .....	250,000	---	250,000	---	+250,000
(Sec.9025).....	---	---	---	---	---
Readiness (GWOT) .....	---	---	---	---	---
Rescissions (GWOT) (Sec.9023).....	-1,134,742	---	-1,446,400	-311,658	-1,446,400
Total, General Provisions.....	-884,742	---	-1,196,400	-311,658	-1,196,400
Total, title IX (OCO/GWOT).....	70,665,000	68,650,238	68,435,000	-2,230,000	-215,238
TITLE X					
NATURAL DISASTER RELIEF					
Operation and Maintenance					
Operation and Maintenance, Navy (emergency).....	427,000	---	---	-427,000	---
Operation and Maintenance, Marine Corps (emergency)...	394,000	---	---	-394,000	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
Operation and Maintenance, Air Force (emergency).....	110,000	---	---	-110,000	---
Operation and Maintenance, Army National Guard (emergency).....	45,700	---	---	-45,700	---
Total, Operation and Maintenance.....	976,700	---	---	-976,700	---
Procurement					
Other Procurement, Navy (emergency).....	75,015	---	---	-75,015	---
Procurement, Marine Corps (emergency).....	73,323	---	---	-73,323	---
Aircraft Procurement, Air Force (emergency).....	204,448	---	---	-204,448	---
Other Procurement, Air Force (emergency).....	77,974	---	---	-77,974	---
Total, Procurement.....	430,760	---	---	-430,760	---
Research, Development, Test and Evaluation					
Research, Development, Test and Evaluation, Navy (emergency).....	130,444	---	---	-130,444	---
Revolving and Management Funds					
Defense Working Capital Funds (emergency).....	233,500	---	---	-233,500	---
Total, title X.....	1,771,404	---	---	-1,771,404	---



COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
OTHER APPROPRIATIONS					
SECOND CORONAVIRUS PREPAREDNESS AND RESPONSE					
SUPPLEMENTAL APPROPRIATIONS ACT,					
2020 (P.L. 116-127 DIV A)					
DEPARTMENT OF DEFENSE					
Defense Health Program (emergency).....	82,000	---	---	-82,000	---
EMERGENCY APPROPRIATIONS FOR CORONAVIRUS HEALTH					
RESPONSE AND AGENCY OPERATIONS (P.L. 116-136 DIV B)					
DEPARTMENT OF DEFENSE					
Military Personnel					
National Guard Personnel, Army (emergency).....	746,591	---	---	-746,591	---
National Guard Personnel, Air Force (emergency).....	482,125	---	---	-482,125	---
Total, Military Personnel.....	1,228,716	---	---	-1,228,716	---
Operation and Maintenance					
Operation and Maintenance, Army (emergency).....	160,300	---	---	-160,300	---
Operation and Maintenance, Navy (emergency).....	360,308	---	---	-360,308	---
Operation and Maintenance, Marine Corps (emergency)...	90,000	---	---	-90,000	---
Operation and Maintenance, Air Force (emergency).....	155,000	---	---	-155,000	---
Operation and Maintenance, Defense-Wide (emergency)...	827,800	---	---	-827,800	---
Operation and Maintenance, Army Reserve (emergency)...	48,000	---	---	-48,000	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
Operation and Maintenance, Army National Guard (emergency).....	186,696	---	---	-186,696	---
Operation and Maintenance, Air National Guard (emergency).....	75,754	---	---	-75,754	---
Total, Operation and Maintenance.....	1,903,858	---	---	-1,903,858	---
Procurement					
Defense Production Act Purchases (emergency).....	1,000,000	---	---	-1,000,000	---
Revolving and Management Funds					
Defense Working Capital Funds (emergency).....	1,450,000	---	---	-1,450,000	---
Other Department of Defense Programs					
Defense Health Program:					
Operation and Maintenance (emergency).....	3,390,600	---	---	-3,390,600	---
Research, Development, Test, and Evaluation.....	415,000	---	---	-415,000	---
Total, Defense Health Program.....	3,805,600	---	---	-3,805,600	---
Office of the Inspector General (emergency).....	20,000	---	---	-20,000	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
<b>General Provisions</b>					
Defense Health Program (Sec. 13002) (emergency).....	1,095,500	---	---	-1,095,500	---
Total, Emergency Appropriations for Coronavirus Health ResponseESPONSE AND AGENCY OPERATIONS..	10,503,674	---	---	-10,503,674	---
Total, Other Appropriations.....	10,585,674	---	---	-10,585,674	---
Grand total.....	698,341,963	690,418,572	686,722,692	-11,619,271	-3,695,880
Appropriations.....	(619,410,537)	(621,768,334)	(620,778,792)	(+1,368,255)	(-989,542)
Emergency appropriations.....	(12,357,078)	---	---	(-12,357,078)	---
Global War on Terrorism (GWOT).....	(71,799,742)	(68,650,238)	(69,881,400)	(-1,918,342)	(+1,231,162)
Rescissions.....	(-4,090,652)	---	(-2,491,100)	(+1,599,552)	(-2,491,100)
Rescissions (GWOT).....	(-1,134,742)	---	(-1,446,400)	(-311,658)	(-1,446,400)
(Transfer Authority).....	(4,169,000)	(5,178,000)	(1,178,000)	(-2,991,000)	(-4,000,000)
(Transfer Authority) (GWOT).....	(2,000,000)	(4,500,000)	(900,000)	(-1,100,000)	(-3,600,000)

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2020  
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2021  
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	FY 2020 Enacted	FY 2021 Request	Bill	Bill vs. Enacted	Bill vs. Request
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RECAPITULATION					
Title I - Military Personnel.....	142,446,067	150,524,104	149,355,652	+6,909,585	-1,168,452
Title II - Operation and Maintenance.....	199,415,415	196,630,496	196,703,001	-2,712,414	+72,505
Title III - Procurement.....	133,879,995	130,866,091	133,633,757	-246,238	+2,767,666
Title IV - Research, Development, Test and Evaluation.	104,431,232	106,224,793	104,348,089	-83,143	-1,876,704
Title V - Revolving and Management Funds.....	1,564,211	1,348,910	1,348,910	-215,301	---
Title VI - Other Department of Defense Programs.....	36,316,176	34,720,940	35,321,321	-994,855	+600,381
Title VII - Related Agencies.....	1,070,000	1,177,000	1,133,728	+63,728	-43,272
Title VIII - General Provisions (net).....	-3,803,211	276,000	-3,556,766	+246,445	-3,832,766
Title IX - Global War on Terrorism (GWOT).....	70,665,000	68,650,238	68,435,000	-2,230,000	-215,238
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Total, Department of Defense.....	698,341,963	690,418,572	686,722,692	-11,619,271	-3,695,880
Scorekeeping adjustments.....	7,858,815	8,416,000	8,416,000	+557,185	---
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Total, mandatory and discretionary.....	706,200,778	698,834,572	695,138,692	-11,062,086	-3,695,880
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