

EXPLANATORY STATEMENT FOR THE DEPARTMENT OF
DEFENSE APPROPRIATIONS BILL, 2023

BACKGROUND

PURPOSE OF THE BILL

This bill makes appropriations for the military functions of the Department of Defense for the period October 1, 2022, through September 30, 2023. Functional areas include the pay, allowances, and support of military personnel, operation and maintenance of the forces, procurement of equipment and systems, and research, development, test and evaluation. Appropriations for foreign military assistance, military construction, family housing, nuclear weapons programs, and civil defense are provided in other bills.

HEARINGS

The Appropriations Subcommittee on Defense began hearings on March 29, 2022 and concluded them on June 14, 2022, after eight separate sessions. The subcommittee heard testimony from representatives of the Department of Defense and the Intelligence Community.

SUMMARY OF THE BILL

The Committee recommendation of \$792,569,000,000 includes funding to develop, maintain, and equip the military forces of the United States and for other purposes, including \$514,000,000 in mandatory spending. This recommendation allocates all resources within the base budget.

The fiscal year 2023 budget request for activities funded in the Department of Defense appropriations bill totals \$762,202,500,000 in new budget authority, including \$514,000,000 in mandatory spending.

In fiscal year 2022, the Congress appropriated \$763,026,882,000 for activities funded in this bill. This amount included \$728,987,999,000 in base appropriations. Additionally, the Congress appropriated \$34,038,883,000 in emergency appropriations for fiscal year 2022 in Public Law 117-43, Public Law 117-70, Public Law 117-103, and Public Law 117-128.

The Committee recommendation in this bill is \$63,581,001,000 above the amount provided in fiscal year 2022, excluding all emergency funding, and \$30,366,500,000 above the amount requested for fiscal year 2023.

COMMITTEE RECOMMENDATIONS

The following table displays the recommendations for each title:

[In thousands of dollars]

Account	Fiscal year 2022 enacted	Fiscal year 2023 estimate	Committee Recommendation
Title I—Military Personnel	166,873,267	173,882,628	172,772,969
Title II—Operation and Maintenance	256,288,740	271,289,500	275,670,443
Title III—Procurement	144,942,486	145,036,829	156,736,924
Title IV—Research, Development, Test and Evaluation	119,211,192	129,858,692	134,625,494
Title V—Revolving and Management Funds	2,017,000	1,583,395	1,445,095
Title VI—Other Department of Defense Programs	39,808,546	39,337,456	40,164,886
Title VII—Related Agencies	1,101,100	1,149,000	1,095,210
Title VIII—General Provisions	–1,299,332	25,000	10,017,979
Extending Government Funding and Delivering Emergency Assistance Act, 2021 (Public Law 117–43)	3,095,000	.....	.....
Further Extending Government Funding Act (Public Law—117–70)	4,312,000	.....	.....
Ukraine Supplemental Appropriations Act, 2022 (Public Law 117–103)	6,528,090	.....	.....
Additional Ukraine Supplemental Appropriations Act, 2022 (Public Law 117–128)	20,103,793	.....	.....
Net grand total	762,981,882	762,162,500	792,529,000
Total mandatory and discretionary (incl. scorekeeping adjustments)	763,026,882	762,202,500	792,569,000

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

These adjustments reflect the following Committee actions: elimination of funds requested for programs which are lower priority, duplicative, or not supported by firm requirements with out-year development or procurement appropriations; deletion of excess funds based on program delays or slow execution; addition of funds to reflect congressional priorities and to rectify shortfalls in the budget estimate; and implementation of recommendations in S.4543, the National Defense Authorization Act for Fiscal Year 2023, as reported by the Senate Armed Services Committee.

CLASSIFIED PROGRAM ADJUSTMENTS

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

DEFINITION OF PROGRAM, PROJECT AND ACTIVITY

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, 2023, the related classified annexes and Committee explanatory statement, and P–1 and R–1 budget justification documents as subsequently modified by congressional action.

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

At the time the President submits the budget request for fiscal year 2024, 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 2024.

REPROGRAMMING GUIDANCE

The Secretary of Defense is directed to continue to follow the reprogramming guidance for acquisition accounts as specified in the report accompanying the House version of the Department of Defense appropriations bill for fiscal year 2008 (House Report 110–279). The dollar threshold for reprogramming funds shall be \$10,000,000 for military personnel; operation and maintenance; procurement; and research, development, test and evaluation.

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

FUNDING INCREASES

The funding increases outlined in the tables accompanying each appropriation account shall be provided only for the specific purposes indicated in the tables of Committee Recommended Adjustments. The Committee directs that funding increases shall be competitively awarded, or provided to programs that have received competitive awards in the past.

CONGRESSIONAL SPECIAL INTEREST ITEMS

Items for which additional funds have been recommended or items for which funding is specifically reduced as shown in the tables detailing Committee Recommended Adjustments or in paragraphs using the phrase “only for” or “only to” 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 explanatory statement. In addition, section 8006 of this act provides direction on the treatment of increases which ap-

pear in the tables of the Committee Recommended Adjustments, including certain limitations on the use of reprogramming authority in relation to these items.

REVISED ECONOMIC ASSUMPTIONS

The Committee recommends additional funding to offset cost factors that have increased since the formulation of the fiscal year 2023 President's budget request. This includes \$1,449,000,000 in title I for higher than planned housing, subsistence and other expenses for military personnel; \$2,100,000,000 in title II for higher costs for utilities, supplies and materials; \$1,500,000,000 for acquisition programs funded in titles III and IV; as well as \$5,000,000,000 for higher fuel costs. The Committee directs that the additional funding shall be used for incremental costs due to increased inflation or other pricing indexes and shall not be used to fix program baseline shortfalls or to fund other unforeseen requirements. The Under Secretary of Defense (Comptroller) is directed to work with the congressional defense committees to refine pricing shortfall estimates caused by revised economic assumptions through the first quarter of fiscal year 2023. Further, the Committee directs that none of these additional funds may be obligated or expended until 30 days after the Under Secretary of Defense (Comptroller) provides an execution plan to the congressional defense committees.

COMMITTEE INITIATIVES

The Committee reaffirms the importance of modernizing the U.S. defense strategy, capabilities, and the defense industrial base to meet the increased challenge of strategic competition with China, as outlined in the 2022 National Defense Strategy and its predecessor, the 2018 National Defense Strategy. The Committee is encouraged to see continued investments in modern capabilities appropriately tailored for the changing nature of warfare. Moreover, many investments designed to bolster the United States' ability to compete with China support broader strategic objectives, including reassuring allies and partners and enhancing deterrence vis-à-vis Russia.

In its review of the budget request, the Committee identified and recommends targeted increases for key areas of investment, both at combatant commands, as well as in support of the Department's enabling capabilities that are integral to equipping and managing a more capable force. As detailed elsewhere in this statement, these congressional special interest items include, but are not limited to:

- \$2,201,500,000 to accelerate space-based capabilities;
- \$1,805,000,000 to upgrade lab and test range infrastructure for modern capabilities;
- \$1,233,748,000 to accelerate U.S. Marine Corps 2030 Force Design;
- \$1,132,600,000 to expand industrial capacity and the supply chain for munitions production;

- \$500,000,000 to improve cooperation with allies and partners in the U.S. AFRICOM and U.S. SOUTHCOM areas of operation;
- \$240,000,000 to improve defense acquisition oversight, contracting and execution;
- \$200,000,000 to expand combatant command tactical artificial intelligence capabilities;
- \$100,000,000 to improve access to commercial innovation; and
- \$2,915,000,000 for service infrastructure upgrades.

PLANNING, PROGRAMMING, AND BUDGETING FOR NEAR-PEER COMPETITION

The Committee notes that citing China’s rapid military modernization, the Department has of late proposed several initiatives that run counter to the Committee’s responsibility to set and oversee annual funding levels, including expanding the use of appropriation accounts beyond their intended purposes, and establishing several inadequately justified and open-ended “Funds” that would be managed over several years by the executive branch. The Committee has seen no evidence to support the contention that these proposals are necessary for the Department to timely field relevant capabilities to address evolving near-peer threats. Therefore, the Committee recommendation does not support such proposals, and instead recommends funding for concrete and well-justified initiatives that will yield tangible, near-term results, such as investments in the defense industrial base, the defense acquisition workforce, and other priority areas as delineated under the “Committee Initiatives” heading of this statement. These initiatives were developed from and informed by the Committee’s continuous engagement with the Department, and will ensure that the industrial base and the Department are able to nimbly respond to rapidly evolving threats. The Committee is committed to continue working with the Department to ensure it has the necessary resources to stay ahead of near-peer competitors, and notes that more transparent and timely communication, to include the provision of comprehensive information in response to specific inquiries, is key to ensuring support for additional resources.

COMMISSION ON PLANNING, PROGRAMMING, BUDGETING, AND EXECUTION REFORM

The Committee notes that the Department’s planning, programming, budgeting and execution [PPBE] process is under review by a legislative Commission established in the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81), as amended by the Department of Defense Appropriations Act, 2022 (Public Law 117–103). The Committee recommends funding for the Commission to faithfully carry out its mission as defined in the legislation establishing it and notes that it is critical that the Commission’s work remain focused accordingly.

DEFENSE INDUSTRIAL BASE STRATEGIC INVESTMENT AND
MANAGEMENT

The Committee is concerned that the fiscal year 2023 President's budget request does not include sufficient, predictable investments to empower a resilient and responsive defense industrial base [DIB] in support of near-peer competition requirements, particularly with respect to munitions and large-caliber ammunition. The global pandemic and Russia's unprovoked continued aggression in Ukraine have heightened the Department's awareness to the weak points in the DIB and its supply chain, and to the limitations of managing acquisition programs for just-in-time delivery that fail to meet urgent needs. These challenges include workforce recruitment, training, and retention; steady and predictable investment demand signals from the Department of Defense; inadequate or incomplete sensitivity analysis that identifies impacts of acquisition decision on common second- and third-tier suppliers across acquisition programs; management of critical equipment, facilities, and tooling across multiple acquisition programs; and the impact of increased inflation on firm-fixed-price supplier contracts.

The Committee is aware that a number of potential tools exist to address these challenges, including the use of multi-year contracts, use of advance procurement funding, and procuring critical long-lead items to shorten production and delivery timelines. However, the Committee notes that none of these authorities and associated funds were included in the fiscal year 2023 President's budget request, and that most acquisition program managers did not recommend their use. Instead, the Department's proposed solution relies on seeking unprecedented acquisition and funding flexibilities without providing specific details. In the Committee's view, such proposals are an inadequate substitute for strategic assessment and investment across portfolios and programs over the Future Years Defense Program [FYDP]. For example, a proposed Critical Munitions Acquisition Fund is narrowly focused on procurement of small amounts of certain munitions to be decided in the year of execution. By design, this approach does not address the broader challenges of strategic investment and management of the DIB and the supply chain.

Therefore, the Committee recommends significant investments in the DIB workforce, as well as targeted investments in priority procurement programs, as follows: To enable the Department's ability to manage oversight of the industrial base and increase innovative approaches to workforce stewardship, the Committee recommends \$240,000,000 in additional appropriations in support of the defense workforce, as well as Defense Acquisition University, Defense Technical Security Administration, Defense Civilian Training Corps, Defense Contract Audit Agency, and the Defense Contract Management Agency. Additionally, to address capacity concerns in the munitions industrial base, the Committee recommends \$450,000,000 to expand industrial capacity across the services' missile procurement programs, as well as \$250,000,000 to invest in ammunition facilities. Further, the Committee recommends \$45,000,000 to support the diversification of the munitions supply chain, and \$50,000,000 to enable the Department to conduct munitions and

fuel vertical data integration pilots. Finally, to ensure that the Department maximizes the procurement of munitions, the Committee's recommendation includes targeted investments in particular munitions lines, to include hypersonic weapons, Tomahawks, and the Small Diameter Bomb II.

The Committee directs that none of these additional funds may be obligated or expended until 30 days after the Under Secretary of Defense (Comptroller), in coordination with the Under Secretary of Defense (Acquisition and Sustainment), the Assistant Secretary of the Army (Acquisition, Logistics and Technology), the Assistant Secretary of the Navy (Research, Defense and Acquisition), the Assistant Secretary of the Air Force (Acquisition, Technology and Logistics) provides a proposed execution plan that details proposed activities, projected obligation dates, and transition plans for any capabilities funded with this funding that will be sustained in future years.

While the Committee addresses its immediate concerns with the Department's fiscal year 2023 President's budget request, it notes that progress on these complex issues is far from assured, and seeks additional input from the Department on the way forward. In the last several years, Congress has appropriated significant additional funds to manage the submarine industrial base in anticipation of additional workload, and is encouraged by preliminary outcomes from this initiative. As a result, the Committee directs the Under Secretary of Defense (Acquisition and Sustainment), in coordination with the Director, Cost Assessment and Program Evaluation, to brief the congressional defense committees not later than 90 days after the enactment of this act on recommendations for a similar initiative for the munitions industrial base, to include investments to be made across the FYDP. The Committee expects the Department in the fiscal year 2024 President's budget request to seek greater use of multi-year procurement contracts, advanced procurement, government-furnished equipment, and long-lead procurement, as well as a more strategic approach to investment and management of the individual missile and ammunition acquisition programs and associated workforce. The Committee directs the Secretary of Defense to brief the congressional defense committees not later than 30 days after the submission of the fiscal year 2024 President's budget request on initiatives included in the request and the associated FYDP that address DIB and supply chain.

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE

The Committee remains committed to ensuring that the Department of Defense acquisition workforce has the capacity, in both personnel and skills, needed to properly perform its mission and recommends funding, as requested, in the services' operation and maintenance and research, development, test and evaluation accounts; as well as in the Department of Defense Acquisition Workforce Account and Defense Working Capital Funds. Therefore, with the submission of the fiscal year 2024 President's budget request, the Committee directs the Service Acquisition Executives of the Army, Navy, Air Force, and Space Force to provide a report to the congressional defense committees identifying its acquisition workforce requirements in support of the acquisition programs included

in the Fiscal Year 2024 Future Years Defense Program. Further, the Service Financial Managers and Comptrollers of the Army, Navy, and Air Force are directed to certify, with submission of the fiscal year 2024 President's budget request, to the congressional defense committees, that these acquisition workforce requirements are fully funded in the fiscal year 2024 President's budget request. Finally, in order to maintain visibility into and oversight of funding for the defense acquisition workforce, these funds are designated as congressional special interest items for the purpose of the Base for Reprogramming, DD Form 1414.

The Committee includes an additional \$240,000,000 for Department of Defense acquisition management initiatives to enable the workforce to improve oversight capabilities and achieve more effective and efficient outcomes for the warfighter and taxpayer.

APPROPRIATIONS FOR DEPARTMENT OF DEFENSE-IDENTIFIED UNFUNDED REQUIREMENTS

In accordance with 10 U.S.C. 222(a), the military services and combatant commands submitted to the congressional defense committees unfunded mission requirements in excess of \$19,000,000,000 with submission of the fiscal year 2023 President's budget request. As in previous years, the Committee has reviewed these requests, their underlying requirements, costs, and schedules, and recommends additional appropriations in fiscal year 2023 to address these shortfalls, as identified in the tables of Committee Recommended Adjustments in this statement.

As previously stated, the Committee is concerned about instances where appropriations for unfunded requirements remained unobligated until proposed for realignment. While the Committee understands that requirements evolve and associated funding requirements change during execution of the budget, such unexecuted appropriations suggest that additional details regarding the execution of appropriations provided specifically for unfunded requirements identified by the Department of Defense is warranted.

Therefore, the Committee reiterates direction included in the Joint Explanatory Statement accompanying the Department of Defense Appropriations Act, 2022, and directs that any submission of unfunded requirements by the military services, defense agencies, and combatant commands with the fiscal year 2024 President's budget request be accompanied by updated requirements and programmatic and execution plans for unfunded requirements that received appropriations in fiscal year 2023. Further, the Committee directs the Assistant Secretaries (Financial Management and Comptroller) for the Air Force, Navy, and Army to incorporate in the congressional budget brief templates distinct programmatic and execution data for appropriations provided in the previous 3 fiscal years for unfunded requirements pertaining to the program/effort.

IMPROVING COOPERATION WITH ALLIES AND PARTNERS

The rapidly changing global security environment, to include China's military aspirations, Russia's invasion of Ukraine, and Iran's continued state-sponsored terrorism has resulted in the Department of Defense reallocating significant force structure to the

Indo-Pacific, European, and Middle-Eastern theaters. However, in parallel, the longer term threat of peer competition for global political and military superiority, which must remain foundational to our National security strategy and the allocation of our resources, continues to grow.

The Committee notes that the today's security situation has resulted in the systematic de-prioritization of USAFRICOM and USSOUTHCOM with respect to force allocation and resources by the Department. As a result, the Committee believes that the Department of Defense is underserved in these regions. Each of these geographic combatant commands conducts important security missions, including countering terrorist organizations in Africa and countering transnational criminal and drug organizations in Central and South America. These missions are vital and strongly supported by the Committee. Therefore, the Committee's recommendation includes \$977,408,000 in the Drug Interdiction and Counter-Drug Activities appropriation, \$121,680,000 over the Department's request.

Further, the Committee believes there is a misconception that USAFRICOM and USSOUTHCOM mission sets revolve solely around counter-terror and counter-drug activities. In reality, both combatant commands are immersed in peer-competition with China that has direct implications for our Nation's overall security posture. China's first overseas base in Djibouti allows for power projection in the Horn of Africa and Indian Ocean. In South America, China has built a space ground station in Argentina. In Nicaragua, this year, Russian troops, ships, and aircraft have been invited to deploy there for peacekeeping missions. While the Department's force management process excels at meeting immediate and pressing needs, the Committee remains concerned that underinvestment in these key geographic areas fails to meet the Nation's long-term security needs.

This is particularly troubling in South America, where it is vital to maintain and grow relationships close to home. The Committee believes that while expanding any partnership is a complex and multifaceted process, there are unrealized opportunities to increase our military cooperation and improve the capabilities of our partners in these regions. Therefore, the Committee recommends an additional \$500,000,000 only for USSOUTHCOM and USAFRICOM to expand cooperation or improve the capabilities of its allies and partners in their respective regions. This includes, training partner forces, joint exercises, building partnership capacity, intelligence activities, and other security cooperation activities as determined by the Commander, USSOUTHCOM and Commander, USAFRICOM. The Committee directs that none of these funds may be obligated or expended until the Under Secretary of Defense (Comptroller), in coordination with Commander, USSOUTHCOM and Commander, USAFRICOM presents an execution plan to the congressional defense committees.

SPACE ARCHITECTURE

The fiscal year 2023 President's budget request includes approximately \$24,544,600,000 across the Future Years Defense Program for missile warning and missile tracking space vehicle programs.

This includes \$4,172,000,000 for the Next Generation Overhead Persistent Infrared Radar [NGEN OPIR] missile warning program in geosynchronous orbit [GEO] and \$3,708,000,000 for the NGEN OPIR Polar program in a highly-elliptical orbit in fiscal year 2023. The Committee notes that these capabilities have been in development since fiscal year 2018 and are focused on the no-fail mission of ballistic missile defense.

The Committee also notes that analysis by the Space Warfighting Analysis Center illustrates a need for a distributed space architecture in multiple orbital regimes and planes due to adversarial capabilities that can now potentially hold a smaller number of exquisite, high-value assets in the furthest orbits at risk. The Committee commends the Space Force for recognizing the need to pursue capabilities in low-earth [LEO] and medium-earth orbits [MEO] for missions that have traditionally existed in the GEO belt. The fiscal year 2023 President's budget request also supports this shift by including \$1,132,600,000 for the missile warning and missile tracking layer in MEO and \$5,463,000,000 for the LEO Tranche 0 transport and Tranche 1 tracking space vehicle programs across the Future Years Defense Program. In addition, the request includes \$10,069,000,000, predominantly in fiscal years 2025 through 2027, to continue expanding capabilities of the MEO/LEO architecture.

The Committee understands that the NGEN OPIR program is schedule-driven with the constraining factor being the remaining life expectancy of the current Space Based Infrared Radar System. Given that ballistic missile defense is a no-fail mission, a capability gap cannot be tolerated. However, analysis of the MEO/LEO constellation programs during the fiscal year 2023 program and budget review indicate that they are scheduled to field prior to NGEN OPIR, deliver additional capability to track emerging threats, and provide a distributed transport layer, all within a more resilient architecture with a modernized acquisition approach for future capability upgrades. The Committee realizes that a change in architecture is required to compete in space, particularly in the transition from a benign environment to a warfighting domain. As such, within the Research, Development, Test and Evaluation, Space Force account, the Committee recommends an additional \$400,000,000 for expansion of the LEO missile tracking program and \$300,000,000 for the MEO Epoch 1 constellation to add additional planes. Further, the Committee recommends \$432,000,000 to procure four additional launches for the LEO tranche 1 program in the Procurement, Space Force account.

In addition, the Committee directs the Secretary of the Air Force, in consultation with the Chief of Space Operations, to provide a report to the congressional defense committees, not later than 60 days following enactment of this act, that provides an assessment of each of the missile warning and missile tracking programs to include a comparison of the cost, schedule, capabilities, and associated risk of each. The report shall include an integrated master schedule for all missile warning and missile tracking weapon systems currently in operation or development. This report shall be provided in an unclassified format; however, a supplementary classified version may be provided to capture all relevant programs.

Finally, the Committee recognizes that a diversified architecture is not applicable for all programs and therefore recommends an additional \$250,000,000 for on-board resiliency efforts to increase space vehicle survivability against current and future threats. The Committee encourages the Secretary of the Air Force to either include on-board resiliency as a key performance parameter in space vehicle requirements development, where applicable and not cost prohibitive, or develop an acquisition strategy for providing a suite of on-board capabilities using an iterative capability release cycle that will provide program managers with options for integration into their platforms.

DEPARTMENT OF DEFENSE TEST INFRASTRUCTURE INVESTMENTS

In the Department of Defense Appropriations Act, 2022 (Public Law 117–103), the Congress provided an additional \$798,128,000 in support of lab and test range modernization activities focused on space, the electromagnetic spectrum, hypersonics, directed energy, and targets. While the Committee is encouraged to see that the fiscal year 2023 President’s budget request continues to make significant investments in test infrastructure, it notes that the requested funding does not adequately meet the needs of the test community.

Therefore, the Committee recommends additional appropriations of \$1,805,000,000, as detailed in the tables of Committee Recommended Adjustments under the headings for Research, Development, Test and Evaluation, Navy; Research, Development, Test and Evaluation, Defense-Wide; and Operational Test and Evaluation, Defense, only for lab and test range upgrades for the following: electromagnetic spectrum, hypersonics, directed energy, space, targets, data management, artificial intelligence/autonomous systems, and the test & evaluation innovation hub.

Further, the Committee directs that none of these funds may be obligated or expended until 30 days after the Director, Operational Test and Evaluation, in coordination with the Director, Test Resource Management Center provides a detailed spend plan to the congressional defense committees detailing planned obligations by project, to include any changes from prior year spend plans provided to the Committee. Further, the Committee designates the additional appropriations for test range infrastructure as congressional special interest items for the purpose of the Base for Re-programming (DD Form 1414).

DEFENSE OF GUAM

The Committee notes that the fiscal year 2023 President’s budget request includes \$841,986,000 to accelerate procurement of key enablers for the defense of Guam and notes further that the protection of U.S. military operations on Guam is a critical national security priority in the Indo-Pacific Command and is vital to our security posture in the Pacific.

However, the Committee is concerned that the Department of Defense has not completed its reviews to propose an architecture for the defense of Guam. In fiscal year 2022, Congress provided additional funding to address Guam-related needs and requested a detailed architecture plan that outlined the requirements to ad-

dress the challenging nature of future threats to the island. The Committee notes that the requested information has not been delivered. Therefore, the Committee recommends a reduction of \$80,000,000 for defense of Guam and directs that the Deputy Secretary of Defense provide a detailed architecture for the defense of Guam that includes funding through the Future Years Defense Program and a detailed list of enablers required to protect the island from sea based air and missile threats that include conventional and hypersonic delivered effects, along with detailed schedules for the delivery of these defensive capabilities for Guam. The Committee further directs that this plan be coordinated with the Director, Missile Defense Agency, Director, Cost Assessment and Program Evaluation, the Secretary of the Army and the Secretary of the Navy.

HOMELAND DEFENSE RADAR—HAWAII

The fiscal year 2023 President’s budget request includes no funds to continue acquisition of a Homeland Defense Radar on Hawaii [HDR–H]. The Committee notes that a discrimination radar on Hawaii is an important part of the architecture for U.S. homeland defense and that the Missile Defense Agency [MDA] awarded a fixed-price incentive contract for the production of this radar in December 2018.

The Committee directs the Director, MDA, in consultation with the Commander, United States Indo-Pacific Command, to continue providing quarterly updates to the congressional defense committees on the current and evolving threats in the region, as well as the status of the HDR–H production and location siting. This briefing shall be provided at the unclassified and classified level.

MARINE CORPS FORCE DESIGN 2030

The Marine Corps’ Force Design 2030 initiative prioritizes investments in updated technologies, formations, and capabilities that will enable the Marine Corps to modernize and act as a stand-in force in future contingencies, while continuing to fulfill its historic mission of serving as an expeditionary crisis response force. In particular, the Committee commends the Marine Corps’ budget-neutral approach to Force Design 2030, which serves as an example of disciplined financial management, as well as the Marine Corps’ commitment to a continued campaign of learning. Therefore, the Committee reiterates its strong support of Force Design 2030 and recommends \$1,233,748,000 in additional appropriations in support of Force Design 2030 initiatives identified by the Marine Corps.

READINESS

The Committee recommends an additional \$3,000,000,000 in title VIII of this act to be transferred to the operation and maintenance accounts and be divided proportionately among the services and the National Guard and reserve components. The funding provided is a congressional special interest item. The Secretary of Defense and the Service Secretaries are directed to submit a detailed spending plan by sub-activity group to the House and Senate Appropria-

tions Committees not less than 30 days prior to the obligation of these funds. These transfers may be implemented 30 days after congressional notification unless an objection is received from either the House or Senate Appropriations Committees.

TACTICAL ARTIFICIAL INTELLIGENCE

The Committee notes that the Department of Defense Appropriations Act, 2022 (Public Law 117–103) included \$200,000,000 for the purpose of providing tactical artificial intelligence capabilities in support of the combatant commands. The Committee further notes that these funds have resulted in notable improvements in the combatant commands' and Department's ability to utilize data to make informed decisions at greater speed and scale. However, additional focus and resources are required to ensure that the artificial intelligence continues to be implemented at the tactical level. In particular, the Committee is supportive in additional investments in digital talent, which is integral to future progress in the institutionalization of modern data practices across the Department. Therefore, the Committee recommends an additional \$200,000,000 in fiscal year 2023 for the purpose of further improving tactical artificial intelligence at the combatant commands. The Committee directs that none of these additional funds may be obligated and expended until 30 days after the Under Secretary of Defense (Comptroller) provides the congressional defense committees a proposed execution plan for these funds that includes proposed activities, projected obligation dates, a description of how fiscal year 2023 efforts build upon work conducted with prior year enacted funds, and transition plans for any capabilities funded through this provision that will be sustained in future years. Further, noting the Department's high priority of these initiatives, it is the Committee's expectation that funds for these efforts will be included in future budget submissions.

COMMERCIAL INNOVATION

The Committee's recommendation includes a general provision, Sec. 8045, to provide \$100,000,000 to the Department of Defense for the purpose of enhancing the Department's access to commercial innovation. The Committee notes that the Department has existing outreach efforts designed to improve connectivity with the private sector and academia; however, the Committee continues to receive feedback from non-traditional and small businesses that barriers to entry remain high, and that the process for transitioning promising innovative commercial technologies to a program of record within the Department remains arduous and cumbersome.

The Committee remains supportive of the Department's efforts to engage with a broad cross-section of the private sector and innovation ecosystem, and directs the Department to use these funds to engage non-traditional and regionally-diverse partners. To the extent possible, these investments should be distinct from existing efforts and used in conjunction with entities that show potential as future industry partners of the Department. Further, the Committee encourages the Undersecretary of Defense (Research and

Engineering), the Undersecretary of Defense (Acquisition and Sustainment) and the Service acquisition executives to coordinate funds with the Defense Innovation Unit to ensure that Department-wide innovation efforts remain synchronized. The Committee directs that none of these additional funds may be obligated and expended until 30 days after the Under Secretary of Defense (Comptroller) provides the congressional defense committees a proposed execution plan for these funds that includes proposed activities and projected obligation dates.

NAVY AND MARINE CORP AVIATION MISHAPS

The Committee is concerned by several Navy and Marine Corps aviation mishaps that have occurred in the current calendar year, some of which have resulted in the tragic loss of life of sailors and Marines. The Committee notes that as with any aviation incident, the services conduct accident review boards that provide insight into the causes of each individual mishap. The Committee encourages the Navy and Marine Corps to conduct a more comprehensive analysis to provide greater insight into potentially larger challenges within the aviation community such as the need for increased training, policies and procedures, or a focus on specific maintenance issues to be addressed.

Over the years, when such deficiencies were highlighted, the Committee has responded to services requests for increased funding for overall force readiness and increases in flight hour operations. When appropriate, the Committee has provided new aircraft and additional funding for spare and repair parts to increase mission readiness rates within the aviation fleets and to replace lost equipment. To that end, the Committee includes an additional \$400,000,000 for aviation spares for the Navy and Marine Corps to address continuing spares challenges across the fleets. In light of these investments, the Committee remains concerned with the overall health of our forces and with our aviation community in particular. The Committee directs that the Chief of Naval Operations and the Commandant of the Marine Corps brief their findings of the accident review boards on the various mishaps to the Committees on Appropriations of the House of Representatives and the Senate not later than 180 days after the enactment of this act. The Committee encourages service leadership to focus on finding common causes that apply to both the Navy and Marine Corps aviation units and their missions.

JOINT STRIKE FIGHTER

The fiscal year 2023 President's budget request includes \$9,195,588,000 across multiple procurement appropriations for the acquisition of 61 aircraft, including 33 Air Force variants, 13 Navy and Marine Corps carrier variants, and 15 Marine Corps short take-off and landing variants. In addition, \$2,103,134,000 is requested within the Navy and Air Force research and development accounts with a significant portion of those funds allocated to the Block 4 capability upgrade and the Tech Refresh-3 [TR-3] hardware improvements that will enable Block 4.

Following a production contract re-baseline in fiscal year 2022 that adjusted the vendor's contractual delivery orders downward over a period of 5 years to account for program delays, the Committee understands that contractual negotiations for aircraft to be procured in lots 15 through 17 are finally close to agreement, 2 years later than the initial fiscal year of funding for lot 15. The Committee further understands that the unit recurring flyaway costs for these aircraft are significantly higher than budgeted for in the prior fiscal years, which creates total resourcing shortfalls of approximately \$1,400,000,000 across fiscal years 2021, 2022, and 2023.

The Committee believes that resources exist in prior years that are available for reallocation to partially address this aircraft pricing issue, to include non-recurring engineering efforts and ancillary mission equipment. Therefore, the Committee directs the Program Executive Officer, F-35 Joint Program Office, within 30 days of the contract award of lots 15 through 17, to submit to the congressional defense committees a detailed accounting of all fiscal year 2021 and fiscal year 2022 unobligated balances, by activity that can be re-allocated to address the pricing shortfall. In addition, the Committee recommends an additional \$725,200,200 for three carrier variant and three short take-off and landing variant aircraft for the United States Marine Corps to mitigate operational impacts.

From a developmental perspective, the Committee notes that development and test activities on the critical path for the Block 4 and TR-3 capability upgrades continue to experience repeated delays and are jeopardizing the current timeline for planned integration into lot 15 aircraft. Therefore, the Committee directs the Program Executive Officer, F-35 Joint Program Office to provide the congressional defense committees an updated assessment of the Block 4 and TR-3 development programs, to include an assessment of the critical paths, not later than 30 days following enactment of this act and written notification following each subsequent breach in timeline for those activities identified along the critical path.

INTEGRATED VISUAL AUGMENTATION SYSTEM

The fiscal year 2023 President's budget request includes \$46,637,000 in research, development, test and evaluation funding and \$400,024,000 in procurement funding for the Integrated Visual Augmentation System [IVAS]. The Committee remains supportive of the development and operational testing of IVAS. The Committee notes that the IVAS program has the potential to improve soldier battlefield capabilities and represents an important step in the Department of Defense's efforts to engage with non-traditional defense contractors capable of delivering innovative capabilities that meet warfighter requirements.

The Committee remains concerned that IVAS continues to face software, hardware, and user-acceptance challenges that the Army has not sufficiently addressed. While the Committee was encouraged by the Department of the Army's 2021 decision to extend testing and evaluation for an additional 10 months, it notes that significant development challenges with IVAS 1.1 remain. Recent reports from the Director, Operational Test and Evaluation, and the Department of Defense Inspector General identified concerns with

users' physical impairments while using the system, as well as overall user acceptance rates. The Army has noted that IVAS 1.2 is expected to provide significant capability increases over previous versions.

Therefore, the Committee recommends a reduction of \$350,024,000 to the IVAS procurement request without prejudice. Further, the Committee recommends an increase of \$50,000,000 to IVAS research, development, test and evaluation funding to further mature v1.2.

REFORMS, RE-PRIORITIZATIONS, AND RETIREMENTS EXHIBIT

The Committee recognizes the creation of the "Reforms, Re-prioritizations, and Retirements" exhibit included in the Defense Operation and Maintenance Overview Book submitted with the fiscal year 2023 President's budget request. While the information contained in the new exhibit on re-prioritizations (formerly "divestments") is helpful, it was incomplete and submitted late in the Committee's budget review process. This required the Committee to submit additional requests for information to gather budget level details, including budget line items. Responses to these additional requests were also not provided in a timely manner. The Committee finds these details necessary to connect the planning and programming phases of the military services' budget formulation process to the budget justification materials submitted with each President's budget request. The current justification materials lack adequate details necessary to review all of the funding adjustments associated with re-prioritizations. This detailed information should demonstrate the savings associated with divestment proposals by budget line item and would also enable the analysis of the cost implications of any changes to re-prioritizations as proposed. Absent this detailed budget information, the Committee has no basis on which to recommend adjustments for divestment proposals that are modified or rejected.

The Committee directs the Under Secretary of Defense (Comptroller) to (1) continue to refine the "Reforms, Re-prioritizations, and Retirements" budget exhibit to include budget line item details and (2) submit the Defense Operation and Maintenance Overview Book at the same time as the detailed justification books.

CONTROLLED UNCLASSIFIED INFORMATION

In March 2020, the Undersecretary of Defense for Intelligence and Security issued Instruction 5200.48, which outlines the Department's policies on content that it deems "controlled unclassified information" [CUI]. The Committee understands that these policies are intended to safeguard national security and ensure that sensitive but unclassified Department of Defense information is not revealed to adversaries. However, while the Committee supports common sense security practices, it is concerned that the extensive use of CUI will result in less transparency, accountability, and congressional oversight. Therefore, the Committee directs the Deputy Secretary of Defense to review the current usage of CUI to ensure its appropriate application, and to brief the congressional defense committees no later than 30 days after enactment of its act on the

findings of this review. As appropriate, the briefing may be provided in an unclassified format with a classified annex.

BUDGET OR APPROPRIATIONS LIAISON SUPPORT TO THE SENATE
DEFENSE APPROPRIATIONS SUBCOMMITTEE

The Committee retains a provision in title II of this act from previous years that prohibits the use of funds in this act to plan or implement the consolidation of a budget or appropriations liaison office of the Office of the Secretary of Defense, the office of the Secretary of a military department, or the Service headquarters of one of the Armed Forces into a legislative affairs or legislative liaison office. The Senate Defense Appropriations Subcommittee relies heavily on these offices to conduct its oversight responsibilities and make funding recommendations for the Department of Defense. The Committee notes that while the separate offices of legislative affairs within the Office of the Secretary of Defense and the military departments offer assistance to the authorizing committees of the Congress, such assistance is provided on a parallel and separate track from the assistance provided to the Committee and its members by the budget or appropriations liaison office of the Office of the Secretary of Defense, the office of the Secretary of a military department, or the Service headquarters of one of the Armed Forces. As the offices of legislative affairs do not possess the expertise and direct relationship to the Financial Management and Comptroller organizations, which are essential to the effective communication between the Department and the Committees on Appropriations, it is critical that the budget or appropriations liaison offices remain independent from the legislative liaison offices, and retain the authority to respond directly and promptly with the information required by the Committee and its members.

TITLE I
MILITARY PERSONNEL

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

The President's fiscal year 2023 budget requests a total of \$173,882,628,000 for military personnel appropriations. This request funds an Active component end strength of 1,328,300 and a Reserve component end strength of 794,600.

SUMMARY OF COMMITTEE ACTION

The Committee recommends military personnel appropriations totaling \$172,772,969,000 for fiscal year 2023. This is \$1,109,659,000 below the budget estimate.

The Committee recommendation reflects the challenging recruiting and retention environment the military services are currently facing caused by various factors including, but not limited to, the COVID-19 pandemic, a shrinking pool of eligible candidates, and a competitive job market. As a result, many of the military service components are well below their projected strength plans. While the Committee recommendation includes reductions to reflect these shortfalls, it also includes additional funds for special and incentive pays to assist each of the service components with recruitment and retention. Further, the Committee recommendation includes \$505,000,000 in title II of this act to support increased advertising and recruitment efforts of the services.

The Committee recommendation also includes additional funds for basic allowance for subsistence and basic allowance for housing to reflect increased cost-of-living for our troops. The Under Secretary of Defense (Comptroller) is directed to work with the congressional defense committees to refine inflation rate adjustments caused by revised economic assumptions through the first quarter of fiscal year 2023.

Committee recommended military personnel appropriations for fiscal year 2023 are summarized below:

SUMMARY OF MILITARY PERSONNEL APPROPRIATIONS

[In thousands of dollars]

Account	2023 budget estimate	Committee recommendation	Change from budget estimate
Military Personnel:			
Military Personnel, Army	50,305,255	50,090,995	- 214,260
Military Personnel, Navy	36,629,226	36,484,883	- 144,343

SUMMARY OF MILITARY PERSONNEL APPROPRIATIONS—Continued

[In thousands of dollars]

Account	2023 budget estimate	Committee recommendation	Change from budget estimate
Military Personnel, Marine Corps	15,330,068	15,226,541	– 103,527
Military Personnel, Air Force	35,140,287	34,740,869	– 399,418
Military Personnel, Space Force	1,117,361	1,119,926	+ 2,565
Reserve Personnel:			
Reserve Personnel, Army	5,384,686	5,221,698	– 162,988
Reserve Personnel, Navy	2,410,777	2,382,618	– 28,159
Reserve Personnel, Marine Corps	849,942	860,240	+ 10,298
Reserve Personnel, Air Force	2,519,878	2,506,922	– 12,956
National Guard Personnel:			
National Guard Personnel, Army	9,324,813	9,375,029	+ 50,216
National Guard Personnel, Air Force	5,127,335	5,020,248	– 107,087
Tricare Accrual (permanent, indefinite authority)	9,743,000	9,743,000	.....
Total	173,882,628	172,772,969	– 1,109,659

Committee recommended end strengths for fiscal year 2023 are summarized below:

RECOMMENDED END STRENGTH

	2022 authorization	2023 budget estimate	Committee recommendation	Change from budget estimate
Active:				
Army	485,000	473,000	473,000	.....
Navy	346,920	346,300	346,300	.....
Marine Corps	178,500	177,000	177,000	.....
Air Force	329,220	323,400	323,400	.....
Space Force	8,400	8,600	8,600	.....
Subtotal	1,348,040	1,328,300	1,328,300	.....
Selected Reserve:				
Army Reserve	189,500	189,500	189,500	.....
Navy Reserve	58,600	57,700	57,700	.....
Marine Corps Reserve	36,800	33,000	33,000	.....
Air Force Reserve	70,300	70,000	70,000	.....
Army National Guard	336,000	336,000	336,000	.....
Air National Guard	108,300	108,400	108,400	.....
Subtotal	799,500	794,600	794,600	.....
TOTAL	2,147,540	2,122,900	2,122,900	.....

REPROGRAMMING GUIDANCE FOR MILITARY PERSONNEL ACCOUNTS

The Committee directs the Secretary of Defense to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2023 appropriation accounts not later than 60 days after the enactment of this act. The Secretary of Defense is prohibited from executing any reprogramming or transfer of funds for any purpose other than originally appropriated until the aforementioned report is submitted to the congressional defense committees. The Committee directs the Secretary of Defense to use the normal prior approval reprogramming procedures to transfer funds in the services' military personnel accounts between budget activities in excess of \$10,000,000.

MILITARY PERSONNEL SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or have been specifically reduced as shown in the project level tables or in paragraphs using the phrase “only for” or “only to” in this explanatory statement are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). This includes the program increases for basic allowance for subsistence, basic allowance for housing, and special and incentive pays. Each of these items must be carried on the DD Form 1414 at the stated amount as specifically addressed in the Committee explanatory statement. Below threshold reprogrammings may not be used to either restore or reduce funding from congressional special interest items as identified on the DD Form 1414.

MILITARY PERSONNEL OVERVIEW

Strength Reporting.—The Committee directs the Service Secretaries to provide monthly strength reports for all components to the congressional defense committees beginning not later than 30 days after enactment of this act. The first report shall provide actual baseline end strength for officer, enlisted, and cadet personnel, and the total component. The second report shall provide the end of year projection for average strength for officer, enlisted, and cadet personnel using the formula in the Department of Defense Financial Management Regulation Volume 2A, Chapter Two. For the active components, this report shall break out average strength data by base and direct war and enduring costs, and differentiate between the active and reserve components. It should also include the actuals and projections compared to the fiscal year 2023 budget request.

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

Advanced Trauma and Public Health Direct Training Services for the National Guard.—The Committee recognizes the valuable support universities and hospitals 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, National Guard Civil Support Teams, and other National Guard medical conversion/readiness requirements. The Committee directs the National Guard to continue pursuing state-of-the-art trauma training, critical care, behavioral health, public health training and other ancillary, direct training with civilian and international partners. Doing so will maintain unit readiness postures at optimum levels as National Guard personnel maintain their skills to provide effective mitigation, intervention and prevention responses, and successful medical outcomes to trauma incidents on the homeland and abroad.

The Committee also directs the development of enhanced medical and critical care preparedness programs in order to minimize civilian-military and international coalition medical operational gaps in the event of a catastrophic incident. These preparedness programs shall be delivered through direct training services, to include public health curriculums focusing on the epidemiology of public health diseases, mass casualty triage, advanced disaster and hazardous material life support, emergency dental, and psychological health.

Military Personnel and Extremist Ideologies.—The Secretary of Defense shall, not later than 120 days after the enactment of this act, provide the congressional defense committees with an update to the report on military personnel and extremist or criminal groups. The report shall describe new policy and personnel actions taken since the preceding report and provide additional information on the types of extremist or criminal groups involved in such personnel actions. Details may be provided by a classified appendix, if required.

Air National Guard Units With Space Missions.—The Committee notes that there are Air National Guard Units conducting space missions and that there is disagreement within the Department of the Air Force on how best to allocate those forces following establishment of the Space Force. The Committee believes that any decision on transferring or reducing those missions should be made only after a full analysis of the costs, benefits, and unit impacts. Therefore, the Committee directs the Secretary of the Air Force to provide a report to the congressional defense committees detailing any plans to transfer space missions, personnel, or equipment of the Air National Guard to the Space Force. The report shall be submitted not later than 30 days after the transfer decision is made. Further, this report shall include fiscal year 2024 cost estimates through the Future Years Defense Program, the rationale for the decision, an explanation of organizational benefits, and any follow-on missions identified for the Air National Guard units that are losing space elements following the transfer. Further, the Secretary of the Air Force is directed to certify in writing that such transfer is consistent with the mission of the Space Force and will not have an adverse impact on the Air National Guard.

MILITARY PERSONNEL, ARMY

Budget estimate, 2023	\$50,305,255,000
Committee recommendation	50,090,995,000

The Committee recommends an appropriation of \$50,090,995,000. This is \$214,260,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
MILITARY PERSONNEL, ARMY				
ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS				
5	BASIC PAY	8,689,619	8,689,619	.....
10	RETIRED PAY ACCRUAL	3,125,891	3,125,891	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	88,023	88,023	.....
25	BASIC ALLOWANCE FOR HOUSING	2,530,707	2,530,707	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	342,438	342,438	.....
35	INCENTIVE PAYS	103,111	103,111	.....
40	SPECIAL PAYS	368,226	368,226	.....
45	ALLOWANCES	187,440	187,440	.....
50	SEPARATION PAY	73,246	73,246	.....
55	SOCIAL SECURITY TAX	663,067	663,067	.....
	TOTAL, BUDGET ACTIVITY 1	16,171,768	16,171,768	.....
ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL				
60	BASIC PAY	15,835,980	15,835,980	.....
65	RETIRED PAY ACCRUAL	5,719,856	5,719,856	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	258,147	258,147	.....
80	BASIC ALLOWANCE FOR HOUSING	5,367,592	5,367,592	.....
85	INCENTIVE PAYS	88,064	88,064	.....
90	SPECIAL PAYS	720,050	720,050	.....
95	ALLOWANCES	704,619	704,619	.....
100	SEPARATION PAY	291,756	291,756	.....
105	SOCIAL SECURITY TAX	1,211,452	1,211,452	.....
	TOTAL, BUDGET ACTIVITY 2	30,197,516	30,197,516	.....
ACTIVITY 3: PAY AND ALLOWANCES OF CADETS				
110	ACADEMY CADETS	101,808	101,808	.....
ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL				
115	BASIC ALLOWANCE FOR SUBSISTENCE	1,408,398	1,408,398	.....
120	SUBSISTENCE-IN-KIND	756,055	756,055	.....
	TOTAL, BUDGET ACTIVITY 4	2,164,453	2,164,453	.....
ACTIVITY 5: PERMANENT CHANGE OF STATION				
125	ACCESSION TRAVEL	138,210	138,210	.....
130	TRAINING TRAVEL	172,155	172,155	.....
135	OPERATIONAL TRAVEL	476,368	476,368	.....
140	ROTATIONAL TRAVEL	678,677	678,677	.....
145	SEPARATION TRAVEL	225,192	225,192	.....
150	TRAVEL OF ORGANIZED UNITS	2,369	2,369	.....
155	NON-TEMPORARY STORAGE	8,744	8,744	.....
160	TEMPORARY LODGING EXPENSE	30,800	30,800	.....
	TOTAL, BUDGET ACTIVITY 5	1,732,515	1,732,515	.....
ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS				
170	APPREHENSION OF MILITARY DESERTERS	130	130	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	2,358	2,358	.....
180	DEATH GRATUITIES	49,200	49,200	.....
185	UNEMPLOYMENT BENEFITS	85,484	85,484	.....
195	EDUCATION BENEFITS	11	11	.....
200	ADOPTION EXPENSES	526	526	.....
210	TRANSPORTATION SUBSIDY	10,728	10,728	.....
215	PARTIAL DISLOCATION ALLOWANCE	98	98	.....
216	SGLI EXTRA HAZARD PAYMENTS	3,521	3,521	.....
217	RESERVE OFFICERS TRAINING CORPS [ROTC]	102,255	102,255	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
218	JUNIOR ROTC	24,660	24,660	.....
219	TRAUMATIC INJURY PROTECTION COVERAGE [T-SGLI]	500	500	.....
	TOTAL, BUDGET ACTIVITY 6	279,471	279,471	.....
	LESS REIMBURSABLES	- 342,276	- 342,276	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 214,260	- 214,260
	TOTAL, TITLE I, MILITARY PERSONNEL, ARMY	50,305,255	50,090,995	- 214,260
	HEALTH CARE CONTRIBUTION—OFFICERS	535,933	535,833	- 100
	HEALTH CARE CONTRIBUTION—ENLISTED	2,158,238	2,158,238	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	2,694,171	2,694,071	- 100
	TOTAL, MILITARY PERSONNEL, ARMY	52,999,426	52,785,066	- 214,360

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Underexecution of average strength .....	.....	- 537,172	- 537,172
UNDIST	Revised budget estimate .....	.....	- 22,600	- 22,600
UNDIST	Program increase: Basic allowance for subsistence .....	.....	58,630	+ 58,630
UNDIST	Program increase: Basic allowance for housing .....	.....	231,882	+ 231,882
UNDIST	Program increase: Special and incentive pays .....	.....	55,000	+ 55,000

MILITARY PERSONNEL, NAVY

Budget estimate, 2023 \$36,629,226,000
 Committee recommendation 36,484,883,000

The Committee recommends an appropriation of \$36,484,883,000. This is \$144,343,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, NAVY			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	5,159,618	5,159,618	.....
10	RETIRED PAY ACCRUAL	1,896,069	1,896,069	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	66,077	66,077	.....
25	BASIC ALLOWANCE FOR HOUSING	1,762,103	1,762,103	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	197,763	197,763	.....
35	INCENTIVE PAYS	160,679	160,679	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
40	SPECIAL PAYS	473,069	473,069	.....
45	ALLOWANCES	123,399	123,399	.....
50	SEPARATION PAY	58,370	58,370	.....
55	SOCIAL SECURITY TAX	393,882	393,882	.....
	TOTAL, BUDGET ACTIVITY 1	10,291,029	10,291,029	.....
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	11,631,449	11,631,449	.....
65	RETIRED PAY ACCRUAL	4,283,545	4,283,545	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	183,647	183,647	.....
80	BASIC ALLOWANCE FOR HOUSING	5,368,651	5,368,651	.....
85	INCENTIVE PAYS	118,029	118,029	.....
90	SPECIAL PAYS	1,085,609	1,085,609	.....
95	ALLOWANCES	546,816	546,816	.....
100	SEPARATION PAY	116,937	116,937	.....
105	SOCIAL SECURITY TAX	889,825	889,825	.....
	TOTAL, BUDGET ACTIVITY 2	24,224,508	24,224,508	.....
	ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN			
110	MIDSHIPMEN	102,772	102,772	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	979,326	979,326	.....
120	SUBSISTENCE-IN-KIND	464,095	464,095	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	5	5	.....
	TOTAL, BUDGET ACTIVITY 4	1,443,426	1,443,426	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	96,540	96,540	.....
130	TRAINING TRAVEL	105,554	105,554	.....
135	OPERATIONAL TRAVEL	277,373	277,373	.....
140	ROTATIONAL TRAVEL	233,664	233,664	.....
145	SEPARATION TRAVEL	135,929	135,929	.....
150	TRAVEL OF ORGANIZED UNITS	30,867	30,867	.....
155	NON-TEMPORARY STORAGE	15,647	15,647	.....
160	TEMPORARY LODGING EXPENSE	20,926	20,926	.....
	TOTAL, BUDGET ACTIVITY 5	916,500	916,500	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	55	55	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	664	664	.....
180	DEATH GRATUITIES	21,200	21,200	.....
185	UNEMPLOYMENT BENEFITS	38,528	38,528	.....
195	EDUCATION BENEFITS	543	543	.....
200	ADOPTION EXPENSES	126	126	.....
210	TRANSPORTATION SUBSIDY	3,168	3,168	.....
215	PARTIAL DISLOCATION ALLOWANCE	16	16	.....
216	SGLI EXTRA HAZARD PAYMENTS	3,805	3,805	.....
217	RESERVE OFFICERS TRAINING CORPS (ROTC)	22,926	22,926	.....
218	JUNIOR ROTC	15,924	15,924	.....
	TOTAL, BUDGET ACTIVITY 6	106,955	106,955	.....
	LESS REIMBURSABLES	- 455,964	- 455,964	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 144,343	- 144,343

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, TITLE I, MILITARY PERSONNEL, NAVY	36,629,226	36,484,883	- 144,343
300	HEALTH CARE CONTRIBUTION—OFFICERS	328,907	328,807	- 100
300	HEALTH CARE CONTRIBUTION—ENLISTED	1,657,214	1,657,214	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	1,986,121	1,986,021	- 100
	TOTAL, MILITARY PERSONNEL, NAVY	38,615,347	38,470,904	- 144,443

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Underexecution of average strength .....	.....	- 527,633	- 527,633
UNDIST	Program increase: Basic allowance for subsistence .....	.....	81,316	+ 81,316
UNDIST	Program increase: Basic allowance for housing .....	.....	261,974	+ 261,974
UNDIST	Program increase: Special and incentive pays .....	.....	40,000	+ 40,000

MILITARY PERSONNEL, MARINE CORPS

Budget estimate, 2023 \$15,330,068,000
 Committee recommendation 15,226,541,000

The Committee recommends an appropriation of \$15,226,541,000. This is \$103,527,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, MARINE CORPS			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	1,891,628	1,891,628	.....
10	RETIRED PAY ACCRUAL	696,947	696,947	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	30,075	30,075	.....
25	BASIC ALLOWANCE FOR HOUSING	619,108	619,108	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	75,580	75,580	.....
35	INCENTIVE PAYS	53,336	53,336	.....
40	SPECIAL PAYS	14,076	14,076	.....
45	ALLOWANCES	40,497	40,497	.....
50	SEPARATION PAY	20,244	20,244	.....
55	SOCIAL SECURITY TAX	140,210	140,210	.....
	TOTAL, BUDGET ACTIVITY 1	3,581,701	3,581,701	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	5,548,684	5,548,684	.....
65	RETIRED PAY ACCRUAL	2,042,496	2,042,496	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	150,520	150,520	.....
80	BASIC ALLOWANCE FOR HOUSING	1,711,955	1,711,955	.....
85	INCENTIVE PAYS	8,881	8,881	.....
90	SPECIAL PAYS	213,348	213,348	.....
95	ALLOWANCES	307,453	307,453	.....
100	SEPARATION PAY	101,202	101,202	.....
105	SOCIAL SECURITY TAX	424,068	424,068	.....
	TOTAL, BUDGET ACTIVITY 2	10,508,607	10,508,607	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	453,167	453,167	.....
120	SUBSISTENCE-IN-KIND	344,323	344,323	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	10	10	.....
	TOTAL, BUDGET ACTIVITY 4	797,500	797,500	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	49,648	49,648	.....
130	TRAINING TRAVEL	18,820	18,820	.....
135	OPERATIONAL TRAVEL	161,027	161,027	.....
140	ROTATIONAL TRAVEL	89,215	89,215	.....
145	SEPARATION TRAVEL	87,105	87,105	.....
150	TRAVEL OF ORGANIZED UNITS	1,116	1,116	.....
155	NON-TEMPORARY STORAGE	10,380	10,380	.....
160	TEMPORARY LODGING EXPENSE	2,180	2,180	.....
	TOTAL, BUDGET ACTIVITY 5	419,491	419,491	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	250	250	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	126	126	.....
180	DEATH GRATUITIES	13,400	13,400	.....
185	UNEMPLOYMENT BENEFITS	31,089	31,089	.....
195	EDUCATION BENEFITS	1	1	.....
200	ADOPTION EXPENSES	70	70	.....
210	TRANSPORTATION SUBSIDY	1,529	1,529	.....
215	PARTIAL DISLOCATION ALLOWANCE	9	9	.....
216	SGLI EXTRA HAZARD PAYMENTS	2,319	2,319	.....
218	JUNIOR ROTC	3,999	3,999	.....
	TOTAL, BUDGET ACTIVITY 6	52,792	52,792	.....
	LESS REIMBURSABLES	- 30,023	- 30,023	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 103,527	- 103,527
	TOTAL, TITLE I, MILITARY PERSONNEL, MARINE CORPS	15,330,068	15,226,541	- 103,527
300	HEALTH CARE CONTRIBUTION—OFFICERS	126,511	126,411	- 100
300	HEALTH CARE CONTRIBUTION—ENLISTED	900,862	900,762	- 100
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	1,027,373	1,027,173	- 200
	TOTAL, MILITARY PERSONNEL, MARINE CORPS	16,357,441	16,253,714	- 103,727

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Underexecution of average strength .....	.....	- 249,291	- 249,291
UNDIST	Revised budget estimate .....	.....	- 46,369	- 46,369
UNDIST	Program increase: Basic allowance for subsistence .....	.....	2,848	+ 2,848
UNDIST	Program increase: Basic allowance for housing .....	.....	159,285	+ 159,285
UNDIST	Program increase: Special and incentive pay .....	.....	30,000	+ 30,000

MILITARY PERSONNEL, AIR FORCE

Budget estimate, 2023 \$35,140,287,000
 Committee recommendation 34,740,869,000

The Committee recommends an appropriation of \$34,740,869,000. This is \$399,418,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, AIR FORCE			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	5,811,078	5,811,078	.....
10	RETIRED PAY ACCRUAL	2,106,760	2,106,760	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	70,764	70,764	.....
25	BASIC ALLOWANCE FOR HOUSING	1,737,650	1,737,650	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	220,818	220,818	.....
35	INCENTIVE PAYS	387,163	387,163	.....
40	SPECIAL PAYS	365,878	365,878	.....
45	ALLOWANCES	128,513	128,513	.....
50	SEPARATION PAY	42,327	42,327	.....
55	SOCIAL SECURITY TAX	443,862	443,862	.....
	TOTAL, BUDGET ACTIVITY 1	11,314,813	11,314,813	.....
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	10,868,244	10,868,244	.....
65	RETIRED PAY ACCRUAL	3,950,240	3,950,240	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	149,927	149,927	.....
80	BASIC ALLOWANCE FOR HOUSING	4,482,320	4,482,320	.....
85	INCENTIVE PAYS	66,124	66,124	.....
90	SPECIAL PAYS	372,403	372,403	.....
95	ALLOWANCES	663,448	663,448	.....
100	SEPARATION PAY	98,310	98,310	.....
105	SOCIAL SECURITY TAX	831,420	831,420	.....
	TOTAL, BUDGET ACTIVITY 2	21,482,436	21,482,436	.....
110	ACTIVITY 3: PAY AND ALLOWANCES OF CADETS ACADEMY CADETS	90,350	90,350	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL				
115	BASIC ALLOWANCE FOR SUBSISTENCE	1,199,558	1,199,558	.....
120	SUBSISTENCE-IN-KIND	296,024	296,024	.....
	TOTAL, BUDGET ACTIVITY 4	1,495,582	1,495,582	.....
ACTIVITY 5: PERMANENT CHANGE OF STATION				
125	ACCESSION TRAVEL	92,491	92,491	.....
130	TRAINING TRAVEL	59,414	59,414	.....
135	OPERATIONAL TRAVEL	298,434	298,434	.....
140	ROTATIONAL TRAVEL	457,026	457,026	.....
145	SEPARATION TRAVEL	143,126	143,126	.....
150	TRAVEL OF ORGANIZED UNITS	2,844	2,844	.....
155	NON-TEMPORARY STORAGE	42,406	42,406	.....
160	TEMPORARY LODGING EXPENSE	21,026	21,026	.....
	TOTAL, BUDGET ACTIVITY 5	1,116,767	1,116,767	.....
ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS				
170	APPREHENSION OF MILITARY DESERTERS	25	25	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	1,603	1,603	.....
180	DEATH GRATUITIES	18,700	18,700	.....
185	UNEMPLOYMENT BENEFITS	28,267	28,267	.....
195	EDUCATION BENEFITS .....			.....
200	ADOPTION EXPENSES	305	305	.....
210	TRANSPORTATION SUBSIDY	2,927	2,927	.....
215	PARTIAL DISLOCATION ALLOWANCE	99	99	.....
216	SGLI EXTRA HAZARD PAYMENTS	4,767	4,767	.....
217	RESERVE OFFICERS TRAINING CORPS [ROTC]	44,609	49,609	+ 5,000
218	JUNIOR ROTC	19,812	19,812	.....
	TOTAL, BUDGET ACTIVITY 6	121,114	126,114	+ 5,000
	LESS REIMBURSABLES	- 480,775	- 480,775	.....
	UNDISTRIBUTED ADJUSTMENT		- 404,418	- 404,418
	TOTAL, TITLE I, MILITARY PERSONNEL, AIR FORCE	35,140,287	34,740,869	- 399,418
300	HEALTH CARE CONTRIBUTION—OFFICERS	353,964	353,764	- 200
300	HEALTH CARE CONTRIBUTION—ENLISTED	1,501,369	1,501,369	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	1,855,333	1,855,133	- 200
	TOTAL, MILITARY PERSONNEL, AIR FORCE	36,995,620	36,596,002	- 399,618

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
217	Reserve Officers Training Corps [ROTC]	44,609	49,609	+ 5,000
	Program increase: HBCU flight training			+ 5,000
UNDIST	Underexecution of average strength		- 648,020	- 648,020
UNDIST	Revised budget estimate		- 14,500	- 14,500

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Program increase: Basic allowance for subsistence .....	.....	51,842	+ 51,842
UNDIST	Program increase: Basic allowance for housing .....	.....	166,260	+ 166,260
UNDIST	Program increase: Special and incentive pay .....	.....	40,000	+ 40,000

MILITARY PERSONNEL, SPACE FORCE

Budget estimate, 2023 \$1,117,361,000
 Committee recommendation 1,119,926,000

The Committee recommends an appropriation of \$1,119,926,000. This is \$2,565,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
MILITARY PERSONNEL, SPACE FORCE				
ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS				
5	BASIC PAY	393,549	393,549	.....
10	RETIRED PAY ACCRUAL	145,221	145,221	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	4,000	4,000	.....
25	BASIC ALLOWANCE FOR HOUSING	121,963	121,963	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	15,049	15,049	.....
40	SPECIAL PAYS	1,002	1,002	.....
45	ALLOWANCES	2,025	2,025	.....
50	SEPARATION PAY	1,786	1,786	.....
55	SOCIAL SECURITY TAX	30,062	30,062	.....
TOTAL, BUDGET ACTIVITY 1		714,657	714,657	.....
ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL				
60	BASIC PAY	169,954	169,954	.....
65	RETIRED PAY ACCRUAL	62,712	62,712	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	2,536	2,536	.....
80	BASIC ALLOWANCE FOR HOUSING	89,870	89,870	.....
90	SPECIAL PAYS	3,744	3,744	.....
95	ALLOWANCES	6,152	6,152	.....
100	SEPARATION PAY	213	213	.....
105	SOCIAL SECURITY TAX	13,001	13,001	.....
TOTAL, BUDGET ACTIVITY 2		348,182	348,182	.....
ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL				
115	BASIC ALLOWANCE FOR SUBSISTENCE	20,539	20,539	.....
TOTAL, BUDGET ACTIVITY 4		20,539	20,539	.....
ACTIVITY 5: PERMANENT CHANGE OF STATION TRAVEL				
125	ACCESSION TRAVEL	4,057	4,057	.....
130	TRAINING TRAVEL	2,554	2,554	.....
135	OPERATIONAL TRAVEL	17,212	17,212	.....
140	ROTATIONAL TRAVEL	1,994	1,994	.....
145	SEPARATION TRAVEL	5,267	5,267	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
150	TRAVEL OF ORGANIZED UNITS	89	89	.....
155	NON-TEMPORARY STORAGE	1,015	1,015	.....
160	TEMPORARY LODGING EXPENSE	788	788	.....
	TOTAL, BUDGET ACTIVITY 5	32,976	32,976	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COST			
180	DEATH GRATUITIES	500	500	.....
185	UNEMPLOYMENT BENEFITS	365	365	.....
200	ADOPTION EXPENSES	8	8	.....
210	TRANSPORTATION SUBSIDY	134	134	.....
	TOTAL, BUDGET ACTIVITY 6	1,007	1,007	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	2,565	+ 2,565
	TOTAL, TITLE I, MILITARY PERSONNEL, SPACE FORCE ..	1,117,361	1,119,926	+ 2,565
	HEALTH CARE CONTRIBUTION—OFFICERS	25,284	25,284	.....
	HEALTH CARE CONTRIBUTION—ENLISTED	23,765	23,765	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	49,049	49,049	.....
	TOTAL, MILITARY PERSONNEL, SPACE FORCE	1,166,410	1,168,975	+ 2,565

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Underexecution of average strength .....	.....	- 8,406	- 8,406
UNDIST	Program increase: Basic allowance for subsistence .....	.....	1,069	+ 1,069
UNDIST	Program increase: Basic allowance for housing .....	.....	4,902	+ 4,902
UNDIST	Program increase: Special and incentive pays .....	.....	5,000	+ 5,000

RESERVE PERSONNEL, ARMY

Budget estimate, 2023 \$5,384,686,000
 Committee recommendation 5,221,698,000

The Committee recommends an appropriation of \$5,221,698,000.
 This is \$162,988,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
RESERVE PERSONNEL, ARMY				
ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT				
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	1,709,050	1,709,050	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	49,447	49,447	.....
30	PAY GROUP F TRAINING (RECRUITS)	225,142	225,142	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	8,917	8,917	.....
60	MOBILIZATION TRAINING	3,008	3,008	.....
70	SCHOOL TRAINING	238,162	238,162	.....
80	SPECIAL TRAINING	359,443	359,443	.....
90	ADMINISTRATION AND SUPPORT	2,654,243	2,654,243	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	19,955	19,955	.....
100	EDUCATION BENEFITS	10,008	10,008	.....
120	HEALTH PROFESSION SCHOLARSHIP	64,520	64,520	.....
130	OTHER PROGRAMS (ADMIN & SUPPORT)	42,791	42,791	.....
	TOTAL, BUDGET ACTIVITY 1	5,384,686	5,384,686	.....
	UNDISTRIBUTED ADJUSTMENT		- 162,988	- 162,988
	TOTAL, TITLE I, RESERVE PERSONNEL, ARMY	5,384,686	5,221,698	- 162,988
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	489,923	489,923	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	489,923	489,923	.....
	TOTAL, RESERVE PERSONNEL, ARMY	5,874,609	5,711,621	- 162,988

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Underexecution of average strength		- 211,122	- 211,122
UNDIST	Program increase: Basic allowance for subsistence		7,234	+ 7,234
UNDIST	Program increase: Basic allowance for housing		20,900	+ 20,900
UNDIST	Program increase: Special and incentive pays		20,000	+ 20,000

RESERVE PERSONNEL, NAVY

Budget estimate, 2023 \$2,410,777,000
 Committee recommendation 2,382,618,000

The Committee recommends an appropriation of \$2,382,618,000. This is \$28,159,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, NAVY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	776,312	776,312	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	10,835	10,835	.....
30	PAY GROUP F TRAINING (RECRUITS)	56,507	56,507	.....
60	MOBILIZATION TRAINING	15,177	15,177	.....
70	SCHOOL TRAINING	57,990	57,990	.....
80	SPECIAL TRAINING	173,288	173,288	.....
90	ADMINISTRATION AND SUPPORT	1,252,436	1,252,436	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	7,155	7,155	.....
100	EDUCATION BENEFITS	130	130	.....
120	HEALTH PROFESSION SCHOLARSHIP	60,947	60,947	.....
	TOTAL, BUDGET ACTIVITY 1	2,410,777	2,410,777	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	-28,159	-28,159
	TOTAL, TITLE I, RESERVE PERSONNEL, NAVY	2,410,777	2,382,618	-28,159
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	167,928	167,928	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	167,928	167,928	.....
	TOTAL, RESERVE PERSONNEL, NAVY	2,578,705	2,550,546	-28,159

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Underexecution of average strength .....	.....	-58,974	-58,974
UNDIST	Program increase: Basic allowance for subsistence .....	.....	3,620	+3,620
UNDIST	Program increase: Basic allowance for housing .....	.....	12,195	+12,195
UNDIST	Program increase: Special and incentive pays .....	.....	15,000	+15,000

RESERVE PERSONNEL, MARINE CORPS

Budget estimate, 2023	\$849,942,000
Committee recommendation	860,240,000

The Committee recommends an appropriation of \$860,240,000. This is \$10,298 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, MARINE CORPS			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	234,658	234,658	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	46,424	46,424	.....
30	PAY GROUP F TRAINING (RECRUITS)	152,649	152,649	.....
60	MOBILIZATION TRAINING	1,461	1,461	.....
70	SCHOOL TRAINING	24,312	24,312	.....
80	SPECIAL TRAINING	64,417	64,417	.....
90	ADMINISTRATION AND SUPPORT	306,725	306,725	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	6,615	6,615	.....
95	PLATOON LEADER CLASS	6,907	6,907	.....
100	EDUCATION BENEFITS	5,774	5,774	.....
	TOTAL, BUDGET ACTIVITY 1	849,942	849,942	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	10,298	+ 10,298
	TOTAL, TITLE I, RESERVE PERSONNEL, MARINE CORPS	849,942	860,240	+ 10,298
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	82,870	82,870	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	82,870	82,870	.....
	TOTAL, RESERVE PERSONNEL, MARINE CORPS	932,812	943,110	+ 10,298

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Underexecution of average strength .....	.....	- 2,938	- 2,938
UNDIST	Program increase: Basic allowance for subsistence .....	.....	570	+ 570
UNDIST	Program increase: Basic allowance for housing .....	.....	2,666	+ 2,666
UNDIST	Program increase: Special and incentive pays .....	.....	10,000	+ 10,000

RESERVE PERSONNEL, AIR FORCE

Budget estimate, 2023	\$2,519,878,000
Committee recommendation	2,506,922,000

The Committee recommends an appropriation of \$2,506,922,000. This is \$12,956,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
RESERVE PERSONNEL, AIR FORCE				
ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT				
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	744,411	744,411	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	107,354	107,354	.....
30	PAY GROUP F TRAINING (RECRUITS)	72,181	72,181	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	5,194	5,194	.....
60	MOBILIZATION TRAINING	570	570	.....
70	SCHOOL TRAINING	221,731	221,731	.....
80	SPECIAL TRAINING	351,425	351,425	.....
90	ADMINISTRATION AND SUPPORT	928,379	928,379	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	10,621	10,621	.....
100	EDUCATION BENEFITS	10,950	10,950	.....
120	HEALTH PROFESSION SCHOLARSHIP	64,130	64,130	.....
130	OTHER PROGRAMS (ADMIN & SUPPORT)	2,932	2,932	.....
	TOTAL, BUDGET ACTIVITY 1	2,519,878	2,519,878	.....
	UNDISTRIBUTED ADJUSTMENT .....	.....	- 12,956	- 12,956
	TOTAL, TITLE I, RESERVE PERSONNEL, AIR FORCE	2,519,878	2,506,922	- 12,956
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	180,701	180,701	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	180,701	180,701	.....
	TOTAL, RESERVE PERSONNEL, AIR FORCE	2,700,579	2,687,623	- 12,956

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Underexecution of average strength .....	.....	- 36,766	- 36,766
UNDIST	Program increase: Basic allowance for subsistence .....	.....	5,250	+ 5,250
UNDIST	Program increase: Basic allowance for housing .....	.....	8,560	+ 8,560
UNDIST	Program increase: Special and incentive pays .....	.....	10,000	+ 10,000

NATIONAL GUARD PERSONNEL, ARMY

Budget estimate, 2023 \$9,324,813,000
 Committee recommendation 9,375,029,000

The Committee recommends an appropriation of \$9,375,029,000. This is \$50,216,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	NATIONAL GUARD PERSONNEL, ARMY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	2,657,734	2,657,734	.....
30	PAY GROUP F TRAINING (RECRUITS)	552,298	552,298	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	47,941	47,941	.....
70	SCHOOL TRAINING	587,537	588,287	+ 750
80	SPECIAL TRAINING	757,064	767,064	+ 10,000
90	ADMINISTRATION AND SUPPORT	4,642,452	4,642,452	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	70,700	70,700	.....
100	EDUCATION BENEFITS	9,087	9,087	.....
	TOTAL, BUDGET ACTIVITY 1	9,324,813	9,335,563	+ 10,750
	UNDISTRIBUTED ADJUSTMENT .....	.....	39,466	+ 39,466
	TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, ARMY ..	9,324,813	9,375,029	+ 50,216
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	874,195	874,091	- 104
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	874,195	874,091	- 104
	TOTAL, NATIONAL GUARD PERSONNEL, ARMY	10,199,008	10,249,120	+ 50,112

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
70	School Training	587,537	588,287	+ 750
	Program increase: Army Mountain Warfare School operations .....	.....	.....	+ 750
80	Special Training	757,064	767,064	+ 10,000
	Program increase: Wildfire training .....	.....	.....	+ 8,500
	Program increase: Irregular warfare training exercises .....	.....	.....	+ 1,500
UNDIST	Underexecution of average strength .....	.....	- 25,164	- 25,164
UNDIST	Revised budget estimate .....	.....	- 20,902	- 20,902
UNDIST	Program increase: Basic allowance for subsistence .....	.....	14,482	+ 14,482
UNDIST	Program increase: Basic allowance for housing .....	.....	41,399	+ 41,399
UNDIST	Program increase: Special and incentive pays .....	.....	20,000	+ 20,000
UNDIST	Program increase: Advanced trauma and public health direct training services .....	.....	1,151	+ 1,151
UNDIST	Program increase: Exercise Northern Strike .....	.....	8,500	+ 8,500

NATIONAL GUARD PERSONNEL, AIR FORCE

Budget estimate, 2023	\$5,127,335,000
Committee recommendation	5,020,248,000

The Committee recommends an appropriation of \$5,020,248,000. This is \$107,087,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	NATIONAL GUARD PERSONNEL, AIR FORCE			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	934,473	940,973	+ 6,500
30	PAY GROUP F TRAINING (RECRUITS)	147,492	147,492	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	5,808	5,808	.....
70	SCHOOL TRAINING	380,343	380,343	.....
80	SPECIAL TRAINING	267,431	273,431	+ 6,000
90	ADMINISTRATION AND SUPPORT	3,363,168	3,229,968	- 133,200
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	19,559	19,559	.....
100	EDUCATION BENEFITS	9,061	9,061	.....
	TOTAL, BUDGET ACTIVITY 1	5,127,335	5,006,635	- 120,700
	UNDISTRIBUTED ADJUSTMENT .....	.....	13,613	+ 13,613
	TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, AIR FORCE	5,127,335	5,020,248	- 107,087
	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	336,040	336,040	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	336,040	336,040	.....
	TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE	5,463,375	5,356,288	- 107,087

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
10	Pay Group A Training (15 Days & Drills 24/48)	934,473	940,973	+ 6,500
	Program increase: Combat readiness training centers .....	.....	.....	+ 6,500
80	Special Training	267,431	273,431	+ 6,000
	Program increase: Wildfire training .....	.....	.....	+ 6,000
90	Administration and Support	3,363,168	3,229,968	- 133,200
	Program increase: Warrior Resiliency and Fitness .....	.....	.....	+ 500
	Transfer to Operation and Maintenance, Air National Guard .....	.....	.....	- 133,700
UNDIST	Underexecution of average strength .....	.....	- 16,277	- 16,277
UNDIST	Program increase: Basic allowance for subsistence .....	.....	1,421	+ 1,421
UNDIST	Program increase: Basic allowance for housing .....	.....	10,721	+ 10,721
UNDIST	Program increase: Special and incentive pays .....	.....	15,000	+ 15,000
UNDIST	Program increase: Advanced trauma and public health direct training services .....	.....	2,748	+ 2,748

TITLE II
OPERATION AND MAINTENANCE

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

The President's fiscal year 2023 budget requests a total of \$271,289,500,000 for operation and maintenance appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends operation and maintenance appropriations totaling \$275,670,443,000 for fiscal year 2023. This is \$4,380,943,000 above the budget estimate.

Committee recommended operation and maintenance appropriations for fiscal year 2023 are summarized below:

SUMMARY OF OPERATION AND MAINTENANCE APPROPRIATIONS

[In thousands of dollars]

Account	2023 budget estimate	Committee recommendation	Change from budget estimate
Operation and Maintenance:			
Operation and Maintenance, Army	58,119,056	58,928,528	+ 809,472
Operation and Maintenance, Navy	66,158,951	67,380,932	+ 1,221,981
Operation and Maintenance, Marine Corps	9,660,944	10,057,284	+ 396,340
Operation and Maintenance, Air Force	58,281,242	59,766,942	+ 1,485,700
Operation and Maintenance, Space Force	4,034,658	4,090,783	+ 56,125
Operation and Maintenance, Defense-Wide	48,479,016	48,989,470	+ 510,454
Counter-Islamic State of Iraq and Syria Train and Equip Fund	541,692	487,513	- 54,179
Operation and Maintenance, Army Reserve	3,228,504	3,258,504	+ 30,000
Operation and Maintenance, Navy Reserve	1,228,300	1,233,300	+ 5,000
Operation and Maintenance, Marine Corps Reserve	304,233	309,633	+ 5,400
Operation and Maintenance, Air Force Reserve	3,564,544	3,569,044	+ 4,500
Operation and Maintenance, Army National Guard	8,157,237	8,337,287	+ 180,050
Operation and Maintenance, Air National Guard	6,900,679	7,278,779	+ 378,100
United States Court of Appeals for the Armed Forces	16,003	16,003	.....
Environmental Restoration, Army	196,244	238,244	+ 42,000
Environmental Restoration, Navy	359,348	374,348	+ 15,000
Environmental Restoration, Air Force	314,474	466,474	+ 152,000
Environmental Restoration, Defense-Wide	8,924	8,924	.....
Environmental Restoration, Formerly Used Defense Sites	227,262	297,262	+ 70,000
Overseas Humanitarian, Disaster, and Civic Aid	112,800	112,800	.....
Cooperative Threat Reduction Account	341,598	341,598	.....
Department of Defense Acquisition Workforce Development Account	53,791	126,791	+ 73,000
Red Hill Recovery Fund	1,000,000	.....	- 1,000,000
Total	271,289,500	275,670,443	+ 4,380,943

REPROGRAMMING GUIDANCE FOR OPERATION AND MAINTENANCE
ACCOUNTS

The Committee directs the Secretary of Defense to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2023 appropriation accounts not later than 60 days after the enactment of this act. The Secretary of Defense is prohibited from executing any reprogramming or transfer of funds for any purpose other than originally appropriated until the aforementioned report is submitted to the House and Senate Appropriations Committees.

The Committee directs the Secretary of Defense to use the normal prior approval reprogramming procedures to transfer funds in the services' operation and maintenance accounts between O-1 budget activities, or between subactivity groups in the case of Operation and Maintenance, Defense-Wide, in excess of \$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

Space Force:

- Contractor logistics support and system support
- Administration

Air Force Reserve:

Primary combat forces
 Air National Guard:
 Aircraft operations

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

Air Force:
 Base Support
 Army National Guard:
 Base operations support
 Facilities sustainment, restoration and modernization
 Management and Operational Headquarters
 Air National Guard:
 Contractor logistics support and system support

REPROGRAMMING GUIDANCE FOR SPECIAL OPERATIONS COMMAND

The Committee directs the Secretary of Defense to submit a baseline report that shows the United States Special Operations Command's operation and maintenance funding by sub-activity group for the fiscal year 2023 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. 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 BUDGET EXECUTION DATA

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

OPERATION AND MAINTENANCE SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or have been specifically reduced as shown in the project level tables or in paragraphs using the phrase "only for" or "only to" in the Committee explanatory statement 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 explanatory statement. Below threshold reprogrammings may not be used to either restore or reduce funding from congressional special interest items as identified on the DD Form 1414.

OPERATION AND MAINTENANCE OVERVIEW

Civilian Workforce.—The Committee expects the Department of Defense to maintain a stable, effective, and right-sized civilian cadre. The Committee further expects the hiring process to be responsive and efficient in order to build the workforce needed to achieve its mission and strategic goals. The Committee recognizes the critical role that the civilian workforce plays every day in ensuring the mission success of the Armed Forces.

Reporting Requirement for Fuel Cost Increase.—The Committee recommends a funding increase in title VIII to reflect higher than anticipated fuel costs. The funding provided is a congressional special interest item. The Secretary of Defense and Service Secretaries are directed to submit a breakout of the recommended fuel increase by appropriation, budget line item, and OP-32 line item not later than 30 days after the enactment of this act.

Defense Working Capital Fund Reconciliation.—The military services' budget offices have historically had challenges in presenting operation and maintenance requests that align funding amounts to data points included in the Defense Working Capital Fund budget exhibits. For the fiscal year 2023 President's Budget request, the Army made progress in aligning operation and maintenance funding levels with the projected revenue of certain Defense Working Capital Fund activities. The Committee encourages the Under Secretary of Defense (Comptroller) and the Assistant Secretaries (Financial Management and Comptroller) for the Army, Navy, and Air Force to improve efforts to reconcile customer funding data to Defense Working Capital Fund anticipated customer orders.

Department of Defense Law Enforcement Support Program.—The Department of Defense's Law Enforcement Support Program, commonly referred to as the 1033 or LESO program, through which the Department transfers excess equipment to Federal, State, local, tribal, and territorial law enforcement agencies, can provide substantial support for law enforcement activities. The Committee notes that current law requires consultation about this program between the Secretary of Defense and the Attorney General, the Director of National Drug Control Policy, and the Secretary of Homeland Security, as appropriate.

The Committee directs the Director of the Defense Logistics Agency to maintain public transparency and ensure that all program data is proactively published through the Law Enforcement Support Office website. This should include historic data on both items requested and all transferred items. The Committee further directs the Secretary of Defense to comply with the annual certification requirements under subsection (b) of 10 U.S. Code § 2576a.

Joint All Domain Training Center.—The Committee supports efforts by the Department of Defense to modernize training facilities for both special operations and conventional forces. The Committee notes that while the Department of Defense maintains access to

significant training areas in the western half of the United States, unit demand for those areas are high and travel can be cost-prohibitive for east coast-based units. Therefore, the Committee directs the Secretary of Defense, in coordination with the Chiefs of the military services, to provide a report to the congressional defense committees, not later than 90 days after the enactment of this act, that details the feasibility, potential locations and projected costs of establishing a Joint All Domain Training Center in the eastern half of the United States. The Secretary of Defense is encouraged to look at opportunities to acquire training areas at no or minimal cost to the Department.

Environmental Restoration Program Transparency.—The Committee recommendation in recent years has included significant funding above the budget request for the Secretary of Defense and the Service Secretaries to accelerate the cleanup of hazardous substances, pollutants, and contaminants in the environmental restoration accounts. However, the Committee has little visibility into how the Secretary of Defense and the Service Secretaries evaluate and prioritize remediation projects for annual funding.

For fiscal year 2023, the Committee recommends an increase of \$279,000,000 for these programs in environmental restoration accounts and directs the Secretary of Defense and the Service Secretaries to provide a report on Environmental Restoration Program implementation to the congressional defense committees not later than 90 days after enactment of this act. The report shall include: an explanation of the evaluation processes and criteria, and a spend plan for account activities along with project location, funding history, and total cost. In addition, the Committee directs the Secretary of Defense and the Service Secretaries to provide quarterly budget execution reports to the Committees on Appropriations of the House of Representatives and the Senate not later than 45 days after the enactment of this act.

Drinking Water Contamination.—The Committee remains concerned about the health implications of contaminated drinking water caused by per- and polyfluoroalkyl substances [PFAS]. Therefore, the Committee recommends an additional \$326,800,000 in the operation and maintenance and environmental restoration accounts. The Committee directs the Service Secretaries to provide a spend plan to the Committees on Appropriations of the House of Representatives and the Senate for these additional funds not later than 90 days after the enactment of this act.

The Committee notes the considerable funding provided by the Congress in recent years for PFAS related remediation and cleanup activities. The Committee further notes the difficulty in defining clear health and environmental standards that will assist in defining the scope of the cleanup activities. However, the Committee is concerned that the Department of Defense is not adequately budgeting for PFAS remediation and aqueous film forming foam [AFFF] removal and disposal. Therefore, the Committee directs the Secretary of Defense and the Service Secretaries to include a separate budget justification report on PFAS remediation and AFFF removal and disposal activities in the operation and maintenance and environmental restoration accounts to the congressional defense committee no later than 30 days after the fiscal year 2024 President's

budget request is delivered to Congress that includes an updated assessment of the entire funding requirement for those known costs.

PFAS Destruction Technology.—The Committee is aware of existing commercial technology that is designed to destroy per- and polyfluoroalkyl [PFAS] substances contained in investigation-derived waste and is ready for fielding to military installations performing testing and assessment. The Committee directs the Secretary of Defense to evaluate PFAS destruction technology and provide a report on the Department of Defense’s requirements for this technology to the congressional defense committees not later than 90 days after the enactment of this act.

Tracking of Environmental Contaminants.—The Committee recognizes the importance of the efforts of the Department of Defense to clean up environmental damages and manage environmental restoration liabilities, risks, and testing data of per- and polyfluoroalkyl substances and other contaminations of emerging concern. Therefore, the Committee directs the Secretary of Defense to evaluate existing commercial-off-the-shelf software to more efficiently manage environmental site investigations and cleanup.

OPERATION AND MAINTENANCE, ARMY

Budget estimate, 2023 \$58,119,056,000
 Committee recommendation 58,928,528,000

The Committee recommends an appropriation of \$58,928,528,000. This is \$809,472,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	4,506,811	4,441,811	– 65,000
20	MODULAR SUPPORT BRIGADES	177,136	177,136	.....
30	ECHELONS ABOVE BRIGADES	894,629	879,629	– 15,000
40	THEATER LEVEL ASSETS	2,570,949	2,575,949	+ 5,000
50	LAND FORCES OPERATIONS SUPPORT	1,184,230	1,144,230	– 40,000
60	AVIATION ASSETS	2,220,817	2,185,817	– 35,000
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	7,366,299	7,282,599	– 83,700
80	LAND FORCES SYSTEMS READINESS	483,683	483,683	.....
90	LAND FORCES DEPOT MAINTENANCE	1,399,173	1,399,173	.....
100	MEDICAL READINESS	897,522	897,522	.....
	LAND FORCES READINESS SUPPORT			
110	BASE OPERATIONS SUPPORT	9,330,325	9,341,125	+ 10,800
120	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION	4,666,658	5,343,658	+ 677,000
130	MANAGEMENT AND OPERATIONAL HEADQUARTERS	284,483	264,483	– 20,000
140	ADDITIONAL ACTIVITIES	450,348	450,348	.....
160	RESET	383,360	383,360	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	COMBATANT COMMAND SUPPORT			
170	US AFRICA COMMAND	385,685	396,025	+ 10,340
180	US EUROPEAN COMMAND	359,602	363,852	+ 4,250
190	US SOUTHERN COMMAND	204,336	208,811	+ 4,475
200	US FORCES KOREA	67,756	67,756	.....
210	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	495,066	495,066	.....
220	CYBER SPACE ACTIVITIES—CYBERSECURITY	673,701	673,701	.....
230	JOINT CYBER MISSION FORCES	178,033	178,033	.....
	TOTAL, BUDGET ACTIVITY 1	39,180,602	39,633,767	+ 453,165
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
240	STRATEGIC MOBILITY	434,423	434,423	.....
250	ARMY PREPOSITIONED STOCKS	378,494	378,494	.....
260	INDUSTRIAL PREPAREDNESS	4,001	4,001	.....
	TOTAL, BUDGET ACTIVITY 2	816,918	816,918	.....
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
270	OFFICER ACQUISITION	173,439	173,439	.....
280	RECRUIT TRAINING	78,826	78,826	.....
290	ONE STATION UNIT TRAINING	128,117	128,117	.....
300	SENIOR RESERVE OFFICERS TRAINING CORPS	554,992	555,992	+ 1,000
	BASIC SKILL AND ADVANCED TRAINING			
310	SPECIALIZED SKILL TRAINING	1,115,045	1,115,045	.....
320	FLIGHT TRAINING	1,396,392	1,396,392	.....
330	PROFESSIONAL DEVELOPMENT EDUCATION	221,960	221,960	.....
340	TRAINING SUPPORT	717,318	687,318	- 30,000
	RECRUITING AND OTHER TRAINING AND EDUCATION			
350	RECRUITING AND ADVERTISING	691,053	791,053	+ 100,000
360	EXAMINING	192,832	192,832	.....
370	OFF-DUTY AND VOLUNTARY EDUCATION	235,340	235,340	.....
380	CIVILIAN EDUCATION AND TRAINING	251,378	251,378	.....
390	JUNIOR RESERVE OFFICERS TRAINING CORPS	196,088	197,588	+ 1,500
	TOTAL, BUDGET ACTIVITY 3	5,952,780	6,025,280	+ 72,500
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
410	SERVICEWIDE TRANSPORTATION	662,083	662,083	.....
420	CENTRAL SUPPLY ACTIVITIES	822,018	822,018	.....
430	LOGISTICS SUPPORT ACTIVITIES	806,861	794,861	- 12,000
440	AMMUNITION MANAGEMENT	483,187	483,187	.....
	SERVICEWIDE SUPPORT			
450	ADMINISTRATION	486,154	486,154	.....
460	SERVICEWIDE COMMUNICATIONS	1,871,173	1,856,173	- 15,000
470	MANPOWER MANAGEMENT	344,668	344,668	.....
480	OTHER PERSONNEL SUPPORT	811,999	811,999	.....
490	OTHER SERVICE SUPPORT	2,267,280	2,243,280	- 24,000
500	ARMY CLAIMS ACTIVITIES	191,912	191,912	.....
510	REAL ESTATE MANAGEMENT	288,942	288,942	.....
520	FINANCIAL MANAGEMENT AND AUDIT READINESS	410,983	410,983	.....
530	DEFENSE ACQUISITION WORKFORCE DEVELOPMENT AC- COUNT	38,714	40,714	+ 2,000
540	INTERNATIONAL MILITARY HEADQUARTERS	532,377	532,377	.....
550	MISC SUPPORT OF OTHER NATIONS	35,709	35,709	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OTHER PROGRAMS			
	CLASSIFIED PROGRAMS	2,114,696	2,097,253	- 17,443
	TOTAL, BUDGET ACTIVITY 4	12,168,756	12,102,313	- 66,443
	PUBLIC LAW 115-68 IMPLEMENTATION		250	+ 250
	PROGRAM DECREASE UNACCOUNTED FOR		- 200,000	- 200,000
	PROGRAM INCREASE: UNIT LEVEL 3-D PRINT CAPABILITIES		50,000	+ 50,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS		200,000	+ 200,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON SUPPLIES AND MATERIALS		300,000	+ 300,000
	TOTAL, OPERATION AND MAINTENANCE, ARMY	58,119,056	58,928,528	+ 809,472

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units	4,506,811	4,441,811	- 65,000
	Unjustified growth			- 40,000
	Program decrease unaccounted for			- 25,000
113	Echelons Above Brigade	894,629	879,629	- 15,000
	Unjustified growth			- 15,000
114	Theater Level Assets	2,570,949	2,575,949	+ 5,000
	Program increase: Army caisson platoon facility improvements			+ 5,000
115	Land Forces Operations Support	1,184,230	1,144,230	- 40,000
	Unjustified growth			- 40,000
116	Aviation Assets	2,220,817	2,185,817	- 35,000
	Unjustified growth			- 35,000
121	Force Readiness Operations Support	7,366,299	7,282,599	- 83,700
	Program decrease unaccounted for			- 135,000
	Unjustified growth			- 25,000
	Program increase: Arctic Organizational Clothing and Individual Equipment			+ 32,500
	Program increase: Extended Cold Weather Clothing System			+ 9,000
	Program increase: Service Tactical Signal Intelligence (SIGINT) Upgrades			+ 7,000
	Program increase: SOUTHCOM maritime patrol aircraft			+ 27,800
131	Base Operations Support	9,330,325	9,341,125	+ 10,800
	Program increase: PFAS related activities			+ 1,500
	Program increase: Aqueous film forming foam removal and disposal			+ 9,300
132	Facilities Sustainment, Restoration & Modernization	4,666,658	5,343,658	+ 677,000
	Program increase			+ 587,000
	Program increase: Army caisson platoon facility improvements			+ 15,000
	Program increase: Facility reduction program			+ 5,000
	Program increase: United States Army Aviation Center of Excellence			+ 30,000
	Program increase: VOLAR barracks renovation			+ 40,000
133	Management and Operational Headquarters	284,483	264,483	- 20,000
	Unjustified growth			- 20,000
141	US Africa Command	385,685	396,025	+ 10,340
	Program increase: Public Law 115-68			+ 340

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: USAFRICOM exercise site surveys ...			+ 10,000
142	US European Command	359,602	363,852	+ 4,250
	Program increase: Public Law 115–68			+ 250
	Program increase: Deployable, energy efficient, rigid wall shelters			+ 4,000
143	US Southern Command	204,336	208,811	+ 4,475
	Program increase: Public Law 115–68			+ 375
	Program increase: Enhanced Domain Awareness			+ 4,100
314	Senior Reserve Officers Training Corps	554,992	555,992	+ 1,000
	Program increase: ROTC helicopter training program ..			+ 1,000
324	Training Support	717,318	687,318	– 30,000
	Unjustified growth			– 30,000
331	Recruiting and Advertising	691,053	791,053	+ 100,000
	Program increase			+ 100,000
335	Junior Reserve Officer Training Corps	196,088	197,588	+ 1,500
	Program increase: JROTC STEM training and education ..			+ 1,500
423	Logistic Support Activities	806,861	794,861	– 12,000
	Unjustified growth			– 12,000
432	Servicewide Communications	1,871,173	1,856,173	– 15,000
	Program decrease unaccounted for			– 15,000
435	Other Service Support	2,267,280	2,243,280	– 24,000
	Unjustified growth			– 27,700
	Program increase: Capitol Fourth			+ 3,700
43Q	Defense Acquisition Workforce Development Account	38,714	40,714	+ 2,000
	Program increase: Army training certification system modernization			+ 2,000
411	Security Programs	2,114,696	2,097,253	– 17,443
	Classified adjustment			– 17,443
UNDIST	Program decrease unaccounted for		– 200,000	– 200,000
UNDIST	Program increase: Unit-level 3–D print capabilities		50,000	+ 50,000
UNDIST	Program increase: Impact of inflation on utility costs		200,000	+ 200,000
UNDIST	Program increase: Impact of inflation on supplies and materials		300,000	+ 300,000
UNDIST	Program increase: Public Law 115–68 implementation		250	+ 250

Army Sustainment, Restoration and Modernization and Facility Reduction Funding.—The Committee recommends a robust funding level in fiscal year 2023 for facility sustainment, restoration and modernization. The Secretary of the Army is encouraged to use a portion of these funds for the following types of projects: airfields that support frequent joint force training and operations with non-tenant, high performance aircraft from other branches of the military; static and live fire ranges; and continued demolition of obsolete and condemned military infrastructure.

Holistic Health and Fitness.—The Army’s Holistic Health and Fitness program represents an investment in performance readiness designed to improve soldier training. The Committee encourages the Secretary of the Army to expand the Holistic Health and Fitness program’s current focus on musculoskeletal injuries and to broaden educational and research partnerships with Institutes of Higher Education in the areas of physical fitness, injury prevention, mental health, cognitive performance, and nutrition.

Army Intermodal Rail Yard Improvements.—The Committee is aware of the importance of the Robert J. Dole intermodal rail yard to the First Infantry’s ability to rapidly deploy from Fort Riley, Kansas and encourages the Secretary of the Army to evaluate and consider making improvements to the rail yard that will enhance

the power projection platform of the First Infantry and improve the unit's readiness.

Mobile Federal Law Enforcement Enterprise Technology Service.—The Army has recently deployed a Mobile Federal Law Enforcement Enterprise Technology Service program with dash-cameras, video recorders, ruggedized computers, mobile communications, and secure cloud storage for patrol vehicles at 10 installations. The program is designed to increase transparency and accountability for officers and the protection of servicemembers and their families. The Committee encourages the continued use and expansion of this information technology solution to additional Army installations.

OPERATION AND MAINTENANCE, NAVY

Budget estimate, 2023 \$66,158,951,000
Committee recommendation 67,380,932,000

The Committee recommends an appropriation of \$67,380,932,000. This is \$1,221,981,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, NAVY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	MISSION AND OTHER FLIGHT OPERATIONS	7,334,452	7,203,452	– 131,000
20	FLEET AIR TRAINING	2,793,739	2,793,739	.....
30	AVIATION TECHNICAL DATA AND ENGINEERING SERVICES	65,248	65,248	.....
40	AIR OPERATIONS AND SAFETY SUPPORT	214,767	214,767	.....
50	AIR SYSTEMS SUPPORT	1,075,365	1,075,365	.....
60	AIRCRAFT DEPOT MAINTENANCE	1,751,737	1,906,737	+ 155,000
70	AIRCRAFT DEPOT OPERATIONS SUPPORT	70,319	70,319	.....
80	AVIATION LOGISTICS	1,679,193	1,679,193	.....
	SHIP OPERATIONS			
90	MISSION AND OTHER SHIP OPERATIONS	6,454,952	6,554,952	+ 100,000
100	SHIP OPERATIONS SUPPORT AND TRAINING	1,183,237	1,163,237	– 20,000
110	SHIP DEPOT MAINTENANCE	10,038,261	10,288,261	+ 250,000
120	SHIP DEPOT OPERATIONS SUPPORT	2,422,095	2,447,095	+ 25,000
	COMBAT OPERATIONS/SUPPORT			
130	COMBAT COMMUNICATIONS	1,632,824	1,633,324	+ 500
140	SPACE SYSTEMS AND SURVEILLANCE	339,103	339,103	.....
150	WARFARE TACTICS	881,999	881,999	.....
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	444,150	444,150	.....
170	COMBAT SUPPORT FORCES	2,274,710	2,257,710	– 17,000
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	194,346	194,346	.....
190	CYBER MISSION FORCES	101,049	101,049	.....
200	COMBATANT COMMANDERS CORE OPERATIONS	65,893	73,893	+ 8,000
210	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	282,742	313,742	+ 31,000
220	MILITARY INFORMATION SUPPORT OPERATIONS .....	.....	.....	.....
230	CYBERSPACE ACTIVITIES	477,540	477,540	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	WEAPONS SUPPORT			
240	FLEET BALLISTIC MISSILE	1,664,076	1,664,076	.....
250	WEAPONS MAINTENANCE	1,495,783	1,490,783	- 5,000
260	OTHER WEAPON SYSTEMS SUPPORT	649,371	649,371	.....
	BASE SUPPORT			
270	ENTERPRISE INFORMATION	1,647,834	1,624,834	- 23,000
280	SUSTAINMENT, RESTORATION AND MODERNIZATION	3,549,311	3,995,311	+ 446,000
290	BASE OPERATING SUPPORT	5,503,088	5,374,688	- 128,400
	TOTAL, BUDGET ACTIVITY 1	56,287,184	56,978,284	+ 691,100
	BUDGET ACTIVITY 2: MOBILIZATION			
300	SHIP PREPOSITIONING AND SURGE	467,648	467,648	.....
310	READY RESERVE FORCE	683,932	683,932	.....
320	SHIP ACTIVATIONS/INACTIVATIONS	364,096	350,096	- 14,000
330	EXPEDITIONARY HEALTH SERVICES SYSTEMS	133,780	133,780	.....
340	COAST GUARD SUPPORT	21,196	21,196	.....
	TOTAL, BUDGET ACTIVITY 2	1,670,652	1,656,652	- 14,000
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
350	OFFICER ACQUISITION	190,578	190,578	.....
360	RECRUIT TRAINING	14,679	14,679	.....
370	RESERVE OFFICERS TRAINING CORPS	170,845	170,845	.....
	BASIC SKILLS AND ADVANCED TRAINING			
380	SPECIALIZED SKILL TRAINING	1,133,889	1,127,389	- 6,500
390	PROFESSIONAL DEVELOPMENT EDUCATION	334,844	334,844	.....
400	TRAINING SUPPORT	356,670	356,670	.....
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
410	RECRUITING AND ADVERTISING	204,498	308,498	+ 104,000
420	OFF-DUTY AND VOLUNTARY EDUCATION	89,971	89,971	.....
430	CIVILIAN EDUCATION AND TRAINING	69,798	69,798	.....
440	JUNIOR ROTC	55,194	55,694	+ 500
	TOTAL, BUDGET ACTIVITY 3	2,620,966	2,718,966	+ 98,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
450	ADMINISTRATION	1,349,966	1,336,966	- 13,000
460	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	227,772	227,772	.....
470	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	667,627	637,627	- 30,000
480	MEDICAL ACTIVITIES	284,962	284,962	.....
	LOGISTICS OPERATIONS AND TECHNICAL SUPPORT			
490	DEFENSE ACQUISITION WORKFORCE DEVELOPMENT AC-COUNT	62,824	62,824	.....
500	SERVICEWIDE TRANSPORTATION	207,501	207,501	.....
520	PLANNING, ENGINEERING, AND PROGRAM SUPPORT	554,265	554,265	.....
530	ACQUISITION, LOGISTICS, AND OVERSIGHT	798,473	798,473	.....
	INVESTIGATIONS AND SECURITY PROGRAMS			
540	INVESTIGATIVE AND SECURITY SERVICES	791,059	791,059	.....
	OTHER PROGRAMS			
	CLASSIFIED PROGRAMS	635,700	635,321	- 379
	TOTAL, BUDGET ACTIVITY 4	5,580,149	5,536,770	- 43,379
	UNJUSTIFIED GROWTH .....	.....	- 60,000	- 60,000
	PROGRAM INCREASE: FLEET LEVEL 3-D PRINT CAPABILITIES .....	.....	50,000	+ 50,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS		200,000	+ 200,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON SUPPLIES AND MATERIALS		300,000	+ 300,000
	PUBLIC LAW 115-68 IMPLEMENTATION		260	+ 260
	TOTAL, OPERATION AND MAINTENANCE, NAVY	66,158,951	67,380,932	+ 1,221,981

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Mission and Other Flight Operations	7,334,452	7,203,452	- 131,000
	Unjustified growth			- 131,000
1A5A	Aircraft Depot Maintenance	1,751,737	1,906,737	+ 155,000
	Program increase: Aircraft Depot Maintenance Events (Multiple Type/Model/Series)			+ 150,000
	Program increase: Readiness and efficiency improvements			+ 5,000
1B1B	Mission and Other Ship Operations	6,454,952	6,554,952	+ 100,000
	Unjustified growth			- 50,000
	Program increase: Ship Operations-Organizational Level Ship Maintenance and Repair Parts, Temporary Additional Duty for Pacific Deterrence Initiative fleet training and exercises			+ 150,000
1B2B	Ship Operations Support & Training	1,183,237	1,163,237	- 20,000
	Program decrease unaccounted for			- 20,000
1B4B	Ship Depot Maintenance	10,038,261	10,288,261	+ 250,000
	Program increase: Public Shipyard Tools, Test Equipment, and Machinery			+ 250,000
1B5B	Ship Depot Operations Support	2,422,095	2,447,095	+ 25,000
	Program increase: Shipyard infrastructure optimization program			+ 25,000
1C1C	Combat Communications and Electronic Warfare	1,632,824	1,633,324	+ 500
	Program increase: Service Tactical Signal Intelligence (SIGINT) Upgrades			+ 500
1C6C	Combat Support Forces	2,274,710	2,257,710	- 17,000
	Program decrease unaccounted for			- 17,000
1CCH	Combatant Commanders Core Operations	65,893	73,893	+ 8,000
	Program increase: Asia Pacific Regional Initiative			+ 8,000
1CCM	Combatant Commanders Direct Mission Support	282,742	313,742	+ 31,000
	Program increase: Public Law 115-68			+ 1,000
	Program increase: Pacific Movement Coordination Center (PMCC)			+ 5,000
	Program increase: Pacific Multi-Domain Training and Experimentation Capability (PMTEC)			+ 25,000
1D4D	Weapons Maintenance	1,495,783	1,490,783	- 5,000
	Program decrease unaccounted for			- 30,000
	Program increase: SM-6 Expansion of Combat Usable Asset (CUA) Inventory			+ 25,000
BSIT	Enterprise Information	1,647,834	1,624,834	- 23,000
	Unjustified growth			- 23,000
BSM1	Sustainment, Restoration and Modernization	3,549,311	3,995,311	+ 446,000
	Program increase			+ 446,000
BSS1	Base Operating Support	5,503,088	5,374,688	- 128,400
	Program decrease unaccounted for			- 130,000
	Unjustified growth			- 40,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Shipyard infrastructure optimization program			+ 25,000
	Program increase: Aqueous film forming foam removal and disposal			+ 16,600
2B2G	Ship Activations/Inactivations	364,096	350,096	- 14,000
	Unjustified growth			- 14,000
3B1K	Specialized Skill Training	1,133,889	1,127,389	- 6,500
	Unjustified growth			- 6,500
3C1L	Recruiting and Advertising	204,498	308,498	+ 104,000
	Program increase			+ 100,000
	Program increase: Naval sea cadet corps			+ 4,000
3C5L	Junior ROTC	55,194	55,694	+ 500
	Program increase: JROTC STEM training and education			+ 500
4A1M	Administration	1,349,966	1,336,966	- 13,000
	Program decrease unaccounted for			- 13,000
4A4M	Military Manpower and Personnel Management	667,627	637,627	- 30,000
	Unjustified growth			- 30,000
999	Classified Programs	635,700	635,321	- 379
	Classified adjustment			- 379
UNDIST	Unjustified growth		- 60,000	- 60,000
UNDIST	Program increase: Fleet-level 3-D print capabilities		50,000	+ 50,000
UNDIST	Program increase: Impact of inflation on utility costs		200,000	+ 200,000
UNDIST	Program increase: Impact of inflation on supplies and materials		300,000	+ 300,000
UNDIST	Program increase: Public Law 115-68 implementation		260	+ 260

Naval Shipyard Apprentice Program.—The Committee directs that during fiscal year 2023 the Navy shall induct classes of no fewer than 100 apprentices, respectively, at each of the naval shipyards. The Committee further directs the Navy to include the costs of the fiscal year 2024 class of apprentices in its budget request.

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

Navy Converged Enterprise Resource Planning.—The Committee recognizes the Navy's efforts to modernize financial management and logistics systems using best in class commercial enterprise resource planning solutions. The Committee encourages the Secretary of the Navy to develop a roadmap to improve integration across the Navy Systems Commands that supports Navy Converged Enterprise Resource Planning modernization objectives while maximizing investments made to date.

Commercial Off-The-Shelf Supply Chain Risk Management Tools.—The Committee notes the Navy's response to the growing need for supply chain awareness throughout its information technology systems, networks, and weapon systems and encourages the Secretary of the Navy to utilize proven commercial off-the-shelf supply chain risk management solutions to meet government mission requirements for mapping and monitoring of acquisition and sustainment activities.

Naval Surface Warfare.—The Committee recognizes the strategic importance of Naval Station Mayport and the role that it plays in the National security of the United States as a major Surface Warfare organization.

OPERATION AND MAINTENANCE, MARINE CORPS

Budget estimate, 2023 \$9,660,944,000
Committee recommendation 10,057,284,000

The Committee recommends an appropriation of \$10,057,284,000. This is \$396,340,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(In thousands of dollars)

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATIONAL FORCES	1,740,491	1,725,491	— 15,000
20	FIELD LOGISTICS	1,699,425	1,669,425	— 30,000
30	DEPOT MAINTENANCE	221,886	221,886	.....
	USMC PREPOSITIONING			
40	MARITIME PREPOSITIONING	139,518	139,518	.....
	COMBAT OPERATIONS/SUPPORT			
50	CYBER MISSION FORCES	94,199	94,199	.....
60	CYBERSPACE ACTIVITIES	194,904	194,904	.....
	BASE SUPPORT			
70	SUSTAINMENT, RESTORATION & MODERNIZATION	1,292,219	1,454,219	+ 162,000
80	BASE OPERATING SUPPORT	2,699,487	2,669,487	— 30,000
	TOTAL, BUDGET ACTIVITY 1	8,082,129	8,169,129	+ 87,000
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
90	RECRUIT TRAINING	23,217	23,217	.....
100	OFFICER ACQUISITION	1,268	1,268	.....
	BASIC SKILLS AND ADVANCED TRAINING			
110	SPECIALIZED SKILLS TRAINING	118,638	115,138	— 3,500
120	PROFESSIONAL DEVELOPMENT EDUCATION	64,626	64,626	.....
130	TRAINING SUPPORT	523,603	510,603	— 13,000
	RECRUITING AND OTHER TRAINING EDUCATION			
140	RECRUITING AND ADVERTISING	225,759	300,759	+ 75,000
150	OFF-DUTY AND VOLUNTARY EDUCATION	51,882	51,882	.....
160	JUNIOR ROTC	27,660	28,160	+ 500
	TOTAL, BUDGET ACTIVITY 3	1,036,653	1,095,653	+ 59,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
170	SERVICEWIDE TRANSPORTATION	78,542	78,542	.....
180	ADMINISTRATION	401,030	401,030	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OTHER PROGRAMS			
	CLASSIFIED PROGRAMS	62,590	62,590	.....
	TOTAL, BUDGET ACTIVITY 4	542,162	542,162	.....
	PROGRAM INCREASE: UNIT LEVEL 3-D PRINT CAPABILITIES		50,000	+ 50,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS		100,000	+ 100,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON SUPPLIES AND MATERIALS		100,000	+ 100,000
	PROGRAM INCREASE—PUBLIC LAW 115-68 IMPLEMENTATION		340	+ 340
	TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS	9,660,944	10,057,284	+ 396,340

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Operational Forces	1,740,491	1,725,491	- 15,000
	Program decrease unaccounted for			- 25,000
	Program increase: Autonomous robotic targets			+ 10,000
1A2A	Field Logistics	1,699,425	1,669,425	- 30,000
	Unjustified growth			- 30,000
BSM1	Sustainment, Restoration & Modernization	1,292,219	1,454,219	+ 162,000
	Program increase			+ 162,000
BSS1	Base Operating Support	2,699,487	2,669,487	- 30,000
	Unjustified growth			- 30,000
3B1D	Specialized Skill Training	118,638	115,138	- 3,500
	Unjustified growth			- 3,500
3B4D	Training Support	523,603	510,603	- 13,000
	Program decrease unaccounted for			- 13,000
3C1F	Recruiting and Advertising	225,759	300,759	+ 75,000
	Program increase			+ 75,000
3C3F	Junior ROTC	27,660	28,160	+ 500
	Program increase: JROTC STEM training and education			+ 500
UNDIST	Program increase: Unit-level 3-D print capabilities		50,000	+ 50,000
UNDIST	Program increase: Impact of inflation on utility costs		100,000	+ 100,000
UNDIST	Program increase: Impact of inflation on supplies and materials		100,000	+ 100,000
UNDIST	Program increase: Public Law 115-68 implementation		340	+ 340

OPERATION AND MAINTENANCE, AIR FORCE

Budget estimate, 2023	\$58,281,242,000
Committee recommendation	59,766,942,000

The Committee recommends an appropriation of \$59,766,942,000. This is \$1,485,700,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR FORCE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES	936,731	934,731	- 2,000
20	COMBAT ENHANCEMENT FORCES	2,657,865	2,539,722	- 118,143
30	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	1,467,518	1,467,518	.....
40	DEPOT PURCHASE EQUIPMENT MAINTENANCE	4,341,794	4,631,794	+ 290,000
50	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	4,091,088	4,605,088	+ 514,000
60	CYBERSPACE SUSTAINMENT	130,754	344,428	+ 213,674
70	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	8,782,940	8,827,156	+ 44,216
80	FLYING HOUR PROGRAM	5,871,718	5,871,718	.....
90	BASE SUPPORT	10,638,741	10,508,741	- 130,000
	COMBAT RELATED OPERATIONS			
100	GLOBAL C3I AND EARLY WARNING	1,035,043	1,108,654	+ 73,611
110	OTHER COMBAT OPS SPT PROGRAMS	1,436,329	1,436,329	.....
120	CYBERSPACE ACTIVITIES	716,931	736,874	+ 19,943
	SPACE OPERATIONS			
240	JOINT CYBER MISSION FORCE PROGRAMS	186,759	191,759	+ 5,000
140	LAUNCH FACILITIES	690	690	.....
	COCOM			
160	US NORTHCOM/NORAD	197,210	198,775	+ 1,565
170	US STRATCOM	503,419	523,716	+ 20,297
180	US CYBERCOM	436,807	593,457	+ 156,650
190	US CENTCOM	331,162	331,347	+ 185
200	US SOCOM	27,318	28,208	+ 890
210	US TRANSCOM .....	.....	250	+ 250
220	CENTCOM CYBERSPACE SUSTAINMENT	1,367	1,367	.....
230	USSPACECOM	329,543	330,051	+ 508
	OPERATING FORCES			
	CLASSIFIED PROGRAMS	1,705,801	1,705,801	.....
	TOTAL, BUDGET ACTIVITY 1	45,827,528	46,918,174	+ 1,090,646
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
250	AIRLIFT OPERATIONS	2,780,616	2,780,616	.....
260	MOBILIZATION PREPAREDNESS	721,172	706,172	- 15,000
	TOTAL, BUDGET ACTIVITY 2	3,501,788	3,486,788	- 15,000
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
270	OFFICER ACQUISITION	189,721	189,721	.....
280	RECRUIT TRAINING	26,684	26,684	.....
290	RESERVE OFFICER TRAINING CORPS (ROTC)	135,515	135,515	.....
	BASIC SKILLS AND ADVANCED TRAINING			
300	SPECIALIZED SKILL TRAINING	541,511	541,511	.....
310	FLIGHT TRAINING	779,625	779,625	.....
320	PROFESSIONAL DEVELOPMENT EDUCATION	313,556	307,556	- 6,000
330	TRAINING SUPPORT	171,087	171,087	.....
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
340	RECRUITING AND ADVERTISING	197,956	297,956	+ 100,000
350	EXAMINING	8,282	8,282	.....
360	OFF DUTY AND VOLUNTARY EDUCATION	254,907	254,907	.....
370	CIVILIAN EDUCATION AND TRAINING	355,375	335,375	- 20,000
380	JUNIOR ROTC	69,964	71,464	+ 1,500

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, BUDGET ACTIVITY 3	3,044,183	3,119,683	+ 75,500
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
390	LOGISTICS OPERATIONS	1,058,129	1,058,129	.....
400	TECHNICAL SUPPORT ACTIVITIES	139,428	139,428	.....
	ADMIN SERVICEWIDE ACTIVITIES			
410	ADMINISTRATION	1,283,066	1,354,558	+ 71,492
420	SERVICEWIDE COMMUNICATIONS	33,222	33,222	.....
430	OTHER SERVICEWIDE ACTIVITIES	1,790,985	1,760,985	- 30,000
440	CIVIL AIR PATROL	30,526	51,300	+ 20,774
460	ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT	42,558	42,558	.....
480	INTERNATIONAL SUPPORT	102,065	102,065	.....
	CLASSIFIED PROGRAMS	1,427,764	1,419,302	- 8,462
	TOTAL, BUDGET ACTIVITY 4	5,907,743	5,961,547	+ 53,804
	Program decrease unaccounted for		- 35,000	- 35,000
	UNJUSTIFIED GROWTH		- 235,000	- 235,000
	PROGRAM INCREASE: SQUADRON LEVEL 3-D PRINT CAPABILITIES		50,000	+ 50,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS		200,000	+ 200,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON SUPPLIES AND MATERIALS		300,000	+ 300,000
	PUBLIC LAW 115-68 IMPLEMENTATION		750	+ 750
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE	58,281,242	59,766,942	+ 1,485,700

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces	936,731	934,731	- 2,000
	Unjustified growth			- 55,000
	Program decrease unaccounted for			- 7,000
	Air Force-requested transfer: Dynamic Campaigning from SAG 11C			+ 60,000
011C	Combat Enhancement Forces	2,657,865	2,539,722	- 118,143
	Excess growth			- 126,000
	Air Force-requested transfer: Dynamic Campaigning to SAG 11A			- 60,000
	Transfer: From RDAF for BA08 Software Pilot Program			+ 67,857
011M	Depot Purchase Equipment Maintenance	4,341,794	4,631,794	+ 290,000
	Unjustified growth			- 10,000
	Program increase: Weapon System Sustainment			+ 300,000
011R	Facilities Sustainment, Restoration & Modernization	4,091,088	4,605,088	+ 514,000
	Program increase			+ 514,000
011V	Cyberspace Sustainment	130,754	344,428	+ 213,674
	Transfer: From RDAF for BA08 Software Pilot Program			+ 103,674
	Program increase: Weapon System Sustainment			+ 100,000
	Program increase: Cyber Operations for Base Resilient Architecture			+ 10,000
011W	Contractor Logistics Support and System Support	8,782,940	8,827,156	+ 44,216
	Transfer: From RDAF for BA08 Software Pilot Program			+ 44,216
011Z	Base Support	10,638,741	10,508,741	- 130,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Unjustified growth			- 45,000
	Program decrease unaccounted for			- 95,000
	Program increase: Aqueous film forming foam removal and disposal			+ 10,000
012A	Global C3I and Early Warning	1,035,043	1,108,654	+ 73,611
	Unjustified growth			- 10,000
	Transfer: From RDAF for BA08 Software Pilot Program			+ 83,611
012D	Cyberspace Activities	716,931	736,874	+ 19,943
	Transfer: From RDAF for BA08 Software Pilot Program			+ 19,943
012S	Joint Cyber Mission Force Programs	186,759	191,759	+ 5,000
	Air Force-requested transfer: JCC2 from SAG 15E			+ 5,000
015C	US NORTHCOM/NORAD	197,210	198,775	+ 1,565
	Program increase: Public Law 115-68			+ 565
	Program increase: Polar tactical airlift capabilities study			+ 1,000
015D	US STRATCOM	503,419	523,716	+ 20,297
	Unjustified growth			- 30,000
	Transfer: From RDAF for BA08 Software Pilot Program			+ 50,047
	Program increase: Public Law 115-68			+ 250
015E	US CYBERCOM	436,807	593,457	+ 156,650
	Air Force-requested transfer: JCC2 to SAG 12S			- 5,000
	Program increase: Cyber Mission Force operational support			+ 150,000
	Program increase: Joint Cyberspace warfighting architecture			+ 11,400
	Program increase: Public Law 115-68			+ 250
015F	US CENTCOM	331,162	331,347	+ 185
	Program increase: Public Law 115-68			+ 185
015G	US SOCOM	27,318	28,208	+ 890
	Program increase: Public Law 115-68			+ 890
015H	US TRANSCOM		250	+ 250
	Program increase: Public Law 115-68			+ 250
015X	USSPACECOM	329,543	330,051	+ 508
	Program increase: Public Law 115-68			+ 508
021D	Mobilization Preparedness	721,172	706,172	- 15,000
	Unjustified growth			- 15,000
032C	Professional Development Education	313,556	307,556	- 6,000
	Program decrease unaccounted for			- 10,000
	Program increase: Air University Center of Excellence			+ 4,000
033A	Recruiting and Advertising	197,956	297,956	+ 100,000
	Program increase			+ 100,000
033D	Civilian Education and Training	355,375	335,375	- 20,000
	Unjustified growth			- 20,000
033E	Junior ROTC	69,964	71,464	+ 1,500
	Program increase: JROTC STEM training and education			+ 1,500
042A	Administration	1,283,066	1,354,558	+ 71,492
	Program decrease unaccounted for			- 9,000
	Transfer: From RDAF for BA08 Software Pilot Program			+ 80,492
042G	Other Servicewide Activities	1,790,985	1,760,985	- 30,000
	Unjustified growth			- 30,000
042I	Civil Air Patrol	30,526	51,300	+ 20,774
	Program increase			+ 20,774
999	Classified Programs	1,427,764	1,419,302	- 8,462
	Classified adjustment			- 8,462
UNDIST	Program decrease unaccounted for		- 35,000	- 35,000
UNDIST	Unjustified growth		- 235,000	- 235,000
UNDIST	Program increase: Squadron-level 3-D print capabilities		50,000	+ 50,000
UNDIST	Program increase: Impact of inflation on utility costs		200,000	+ 200,000
UNDIST	Program increase: Impact of inflation on supplies and materials		300,000	+ 300,000
UNDIST	Program increase: Public Law 115-68 implementation		750	+ 750

F-35 Foreign Military Training.—The Committee notes the importance of enhanced fifth-generation fighter capabilities of our al-

lies and partners to U.S. national security and encourages the Secretary of the Air Force to work to minimize any delays in delivering F-35 foreign military sales and associated pilot training.

Ellsworth Air Force Base School Capacity.—The Committee notes that Ellsworth Air Force Base was selected to host the Air Force’s first operational B-21 Raiders and the formal training unit. The Committee also recognizes that school capacity and educational support for military dependents plays a critical role in the quality of life of military families, not only influencing mission success, but recruitment and retention. To accommodate any increase in school-age military dependents resulting from the establishment of this mission, the Secretary of the Air Force is encouraged to conduct a study on the capacity of local educational agencies serving military dependents on and around Ellsworth Air Force Base.

Air Force Auxiliary Airfield Runway Replacement.—Gila Bend Air Force Auxiliary Field is an emergency landing and training facility used by Luke Air Force Base and Davis-Monthan Air Force Base aircraft and units from other nearby bases using the Barry M. Goldwater Air Force Range complex. The Committee encourages the Secretary of the Air Force to prioritize funding the replacement of the current end-of-runway turnaround at Gila Bend Air Force Auxiliary Field to accommodate increased air traffic.

Air Force Sustainment, Restoration and Modernization Funding.—The Committee recommends a robust funding level in fiscal year 2023 for facility sustainment, restoration and modernization. The Secretary of the Air Force is encouraged to use a portion of these funds for projects to strengthen physical security infrastructure, including security gates at Air Force installations.

OPERATION AND MAINTENANCE, SPACE FORCE

Budget estimate, 2023	\$4,034,658,000
Committee recommendation	4,090,783,000

The Committee recommends an appropriation of \$4,090,783,000. This is \$56,125,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, SPACE FORCE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	GLOBAL C3I & EARLY WARNING	472,484	472,484	.....
20	SPACE LAUNCH OPERATIONS	187,832	187,832	.....
30	SPACE OPERATIONS	695,228	688,228	- 7,000
40	EDUCATION & TRAINING	153,135	153,135	.....
60	DEPOT MAINTENANCE	285,863	285,863	.....
70	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	235,253	310,253	+ 75,000
80	CONTRACTOR LOGISTICS & SYSTEM SUPPORT	1,358,565	1,351,565	- 7,000
90	SPACE OPERATIONS -BOS	144,937	144,937	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
50	SPECIAL PROGRAMS	272,941	278,066	+ 5,125
	TOTAL, BUDGET ACTIVITY 1	3,806,238	3,872,363	+ 66,125
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
100	ADMINISTRATION	228,420	228,420	.....
	TOTAL, BUDGET ACTIVITY 4	228,420	228,420	.....
	Unjustified Growth		- 30,000	- 30,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS, SUPPLIES, AND MATERIALS		20,000	+ 20,000
	TOTAL, OPERATION AND MAINTENANCE, SPACE FORCE	4,034,658	4,090,783	+ 56,125

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
013C	Space Operations	695,228	688,228	- 7,000
	Program decrease unaccounted for			- 7,000
013F	Special Programs	272,941	278,066	+ 5,125
	Classified adjustment			+ 5,125
013R	Facilities Sustainment, Restoration and Modernization	235,253	310,253	+ 75,000
	Program increase			+ 30,000
	Program increase: Cheyenne Mountain Complex			+ 45,000
013W	Contractor Logistics & System Support	1,358,565	1,351,565	- 7,000
	Unjustified growth			- 7,000
UNDIST	Unjustified growth		- 30,000	- 30,000
UNDIST	Program increase: Impact of inflation on utility costs, supplies, and materials		20,000	+ 20,000

OPERATION AND MAINTENANCE, DEFENSE-WIDE

Budget estimate, 2023 \$48,479,016,000
 Committee recommendation 48,989,470,000

The Committee recommends an appropriation of \$48,989,470,000. This is \$510,454,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, DEFENSE-WIDE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
10	JOINT CHIEFS OF STAFF	445,366	437,366	- 8,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
20	JOINT CHIEFS OF STAFF—CYBER	9,887	9,887	.....
30	JOINT CHIEFS OF STAFF—JTEEP	679,336	661,336	- 18,000
40	OFFICE OF THE SECRETARY OF DEFENSE—MISO	246,259	236,259	- 10,000
50	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	2,056,291	2,051,199	- 5,092
60	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES ...	39,178	39,178	.....
70	SPECIAL OPERATIONS COMMAND INTELLIGENCE	1,513,025	1,504,339	- 8,686
80	SPECIAL OPERATIONS COMMAND MAINTENANCE	1,207,842	1,202,302	- 5,540
90	SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS	196,271	192,932	- 3,339
100	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT ...	1,299,309	1,301,209	+ 1,900
110	SPECIAL OPERATIONS COMMAND THEATER FORCES	3,314,770	3,299,684	- 15,086
	TOTAL, BUDGET ACTIVITY 1	11,007,534	10,935,691	- 71,843
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
120	DEFENSE ACQUISITION UNIVERSITY	176,454	196,454	+ 20,000
130	JOINT CHIEFS OF STAFF	101,492	101,492	.....
140	SPECIAL OPERATIONS COMMAND PROFESSIONAL DEVELOPMENT EDUCATION	35,279	35,279	.....
	TOTAL, BUDGET ACTIVITY 3	313,225	333,225	+ 20,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
150	CIVIL MILITARY PROGRAMS	139,656	284,656	+ 145,000
170	DEFENSE CONTRACT AUDIT AGENCY	646,072	676,072	+ 30,000
180	DEFENSE CONTRACT AUDIT AGENCY—CYBER	4,107	4,107	.....
190	DEFENSE CONTRACT MANAGEMENT AGENCY	1,506,300	1,526,300	+ 20,000
200	DEFENSE CONTRACT MANAGEMENT AGENCY—CYBER	29,127	29,127	.....
210	DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY ...	983,133	953,133	- 30,000
230	DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY—CYBER	10,245	10,245	.....
240	DEFENSE HUMAN RESOURCES ACTIVITY	935,241	971,241	+ 36,000
250	DEFENSE HUMAN RESOURCES ACTIVITY—CYBER	26,113	26,113	.....
260	DEFENSE INFORMATION SYSTEMS AGENCY	2,266,729	2,251,729	- 15,000
270	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER	643,643	643,643	.....
300	DEFENSE LEGAL SERVICES AGENCY	233,687	233,687	.....
310	DEFENSE LOGISTICS AGENCY	429,060	431,560	+ 2,500
320	DEFENSE MEDIA ACTIVITY	243,631	243,631	.....
330	DEFENSE PERSONNEL ACCOUNTING AGENCY	150,021	150,021	.....
340	DEFENSE SECURITY COOPERATION AGENCY	2,445,669	2,389,669	- 56,000
350	DEFENSE TECHNOLOGY SECURITY AGENCY	40,063	50,063	+ 10,000
360	DEFENSE THREAT REDUCTION AGENCY	941,763	931,763	- 10,000
380	DEFENSE THREAT REDUCTION AGENCY—CYBER	56,052	56,052	.....
390	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	3,276,276	3,346,276	+ 70,000
400	MISSILE DEFENSE AGENCY	541,787	541,787	.....
430	OFFICE OF THE LOCAL DEFENSE COMMUNITY COOPERATION—OSD	108,697	263,697	+ 155,000
440	OFFICE OF THE SECRETARY OF DEFENSE	2,239,072	2,254,990	+ 15,918
450	OFFICE OF THE SECRETARY OF DEFENSE—CYBER	55,255	55,255	.....
560	SPACE DEVELOPMENT AGENCY			
500	WASHINGTON HEADQUARTERS SERVICES	369,943	369,943	.....
	CLASSIFIED PROGRAMS	18,836,915	18,743,194	- 93,721
	TOTAL, BUDGET ACTIVITY 4	37,158,257	37,437,954	+ 279,697
	PROGRAM INCREASE: VIETNAM DIOXIN REMEDIATION		15,000	+ 15,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS		125,000	+ 125,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	PROGRAM INCREASE: IMPACT OF INFLATION ON SUPPLIES AND MATERIALS		125,000	+ 125,000
	COMMISSIONS		17,600	+ 17,600
	TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE	48,479,016	48,989,470	+ 510,454

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1PL1	Joint Chiefs of Staff	445,366	437,366	- 8,000
	Unjustified growth			- 8,000
8PL1	Joint Chiefs of Staff-JTEEP	679,336	661,336	- 18,000
	Program decrease unaccounted for			- 18,000
1GTM	Office of the Secretary of Defense-MISO	246,259	236,259	- 10,000
	Unjustified growth			- 10,000
1PL6	Special Operations Command Combat Development Activities	2,056,291	2,051,199	- 5,092
	Overestimation of civilian FTE execution			- 5,092
1PLU	Special Operations Command Intelligence	1,513,025	1,504,339	- 8,686
	Overestimation of civilian FTE execution			- 4,152
	Inaccurate budget justification for SOF Organic ISR			- 4,534
1PL7	Special Operations Command Maintenance	1,207,842	1,202,302	- 5,540
	Decrease unaccounted for with final AC-130W divestiture			- 5,540
1PLM	Special Operations Command Management/Operational Headquarters	196,271	192,932	- 3,339
	Unjustified civilian FTE growth			- 3,339
1PLV	Special Operations Command Operational Support	1,299,309	1,301,209	+ 1,900
	Overestimation of JCET costs			- 9,000
	Program increase: Identity management			+ 10,900
1PLR	Special Operations Command Theater Forces	3,314,770	3,299,684	- 15,086
	Accelerate divestiture of MC-130H models			- 9,086
	Overestimation of MC-130J flying hours			- 16,000
	Program increase: Subterranean training facility			+ 10,000
3EV2	Defense Acquisition University	176,454	196,454	+ 20,000
	Program increase: Acquisition workforce			+ 20,000
4GT3	Civil Military Programs	139,656	284,656	+ 145,000
	Program increase: Innovative Readiness Training			+ 10,000
	Program increase: National Guard Youth Challenge			+ 85,000
	Program increase: STARBASE			+ 50,000
4GT6	Defense Contract Audit Agency	646,072	676,072	+ 30,000
	Program decrease unaccounted for			- 10,000
	Program increase: Defense contract audit			+ 40,000
4GTO	Defense Contract Management Agency	1,506,300	1,526,300	+ 20,000
	Program increase: Defense contract management			+ 20,000
4GTE	Defense Counterintelligence and Security Agency	983,133	953,133	- 30,000
	Unjustified growth			- 30,000
4GT8	Defense Human Resources Activity	935,241	971,241	+ 36,000
	Unjustified growth			- 9,000
	Program increase: Beyond Yellow Ribbon			+ 25,000
	Program increase: Defense Language Training Centers			+ 20,000
4GT9	Defense Information Systems Agency	2,266,729	2,251,729	- 15,000
	Program decrease unaccounted for			- 17,000
	Program increase: Army-led interagency critical infrastructure protection training			+ 2,000
4GTB	Defense Logistics Agency	429,060	431,560	+ 2,500

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Global Water Security Center			+ 2,500
4GTD	Defense Security Cooperation Agency	2,445,669	2,389,669	- 56,000
	Unjustified request: CSF			- 25,000
	Program adjustment for Border Security			- 150,000
	Program increase: Center for Arctic Security Studies ..			+ 4,000
	Program increase: Irregular Warfare Functional Center ..			+ 10,000
	Program increase: Regional Centers			+ 5,000
	Program increase: Baltic Security Initiative			+ 100,000
4GTH	Defense Technology Security Administration	40,063	50,063	+ 10,000
	Program increase			+ 10,000
4GTI	Defense Threat Reduction Agency	941,763	931,763	- 10,000
	Unjustified growth			- 10,000
4GTJ	Department of Defense Education Activity	3,276,276	3,346,276	+ 70,000
	Program increase: Impact Aid			+ 50,000
	Program increase: Impact Aid for children with dis-			+ 20,000
	abilities			
4GTM	Office of Local Defense Community Cooperation	108,697	263,697	+ 155,000
	Program increase: Defense Community Infrastructure			+ 100,000
	Program			
	Program increase: Defense Manufacturing Community			+ 50,000
	Support Program			
	Program increase: Industry Diversification			+ 5,000
4GTN	Office of the Secretary of Defense	2,239,072	2,254,990	+ 15,918
	Unjustified growth: Non-pay			- 30,000
	Program increase: CDC water contamination study			+ 20,000
	and assessment			
	Program increase: Procurement Technical Assistance			+ 23,918
	Program			
	Program increase: Vietnam MIA Program			+ 2,000
9999	Classified Programs	18,836,915	18,743,194	- 93,721
	Classified adjustment			- 93,721
UNDIST	Program increase: Congressionally mandated commissions		17,600	+ 17,600
UNDIST	Program increase: Impact of inflation on utility costs		125,000	+ 125,000
UNDIST	Program increase: Impact of inflation on supplies and ma-			
	terials		125,000	+ 125,000
UNDIST	Program increase: Vietnam dioxin remediation		15,000	+ 15,000

Defense Language and National Security Education Office.—The Committee recognizes that, in partnership with universities across the country, the Defense Language and National Security Education Office provides critical college accredited training for servicemembers and government officials in a number of languages and strategic cultures. The Committee encourages the Department of Defense, and Special Operations Command in particular, to continue placing a high priority on the Language Training Centers and the Language Flagship program. The Committee designates the funding provided for the Language Training Centers as a congressional special interest item. The Committee further directs that the funding profiles for the Language Training Centers and the Language Flagship Program in total for the prior year, current year, and budget year be included in the Performance Criteria section of the Defense Human Resources Activity OP-5 budget exhibit in future submissions.

Plant-Based Food Options for Servicemembers.—The Committee recognizes the value of the nutritional health and well-being of servicemembers and the growing demand for plant-based foods. Therefore, the Committee encourages the Secretary of Defense to use the Food Service Guidelines for Federal Facilities, and to im-

plement daily nutritious plant-based food options into meal choices. The Committee encourages the Secretary of Defense to use funding provided to offer at least one plant-based full-service entree option at each meal.

Per Diem Rates Outside of the Continental United States.—The Committee is concerned about potential acute impacts resulting from outside of the continental United States [OCONUS] per diem rates that fall well below market rates in between normal rate review cycles and directs a designee of the Secretary of Defense to brief the Committees on Appropriations of the House of Representatives and the Senate on how the Department will mitigate such issues not later than 90 days after the enactment of this act.

Youth Serving Organizations.—The Committee recognizes the burden that military deployments, permanent change of station moves, and training requirements place on military families and also the importance of youth outreach programs that provide military children with mentorship and educational opportunities. The Committee encourages the Secretary of Defense to review support services provided to dependent children, and to increase support to youth serving organizations which support military connected youth, particularly those impacted by grief, addiction, or stress.

Enhancing the Capability of Military Criminal Investigative Organizations to Prevent and Combat Child Sexual Exploitation.—The Committee recognizes the important role that the Department of Defense plays in preventing and combating child sexual exploitation. The Committee directs a designee of the Secretary of Defense to provide a report to the Committees on Appropriations of the House of Representatives and the Senate, not later than 30 days after the enactment of this act, to update the initiative established under Section 550D of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92). The report shall also address opportunities within the following subject matters: (1) establishing cooperative agreements and co-training with the relevant Federal, State, local, and other law enforcement agencies, (2) integrating child protective services and organizations into the initiative, and (3) implementing recommendations made in the General Accountability Office’s report titled “Increased Guidance and Collaboration Needed to Improve DoD’s Tracking and Response to Child Abuse” (GAO–20–110).

Public Web Program Consolidation and Modernization.—The Committee notes that the 21st Century Integrated Digital Experience [IDEA] Act (Public Law 115–336) required the Department of Defense to make all websites related to serving the public available in a secure, consistent, accessible, fully usable and mobile friendly format by December 2020. The Committee is aware of efforts by the Defense Media Activity to establish a consolidated Department of Defense Public Web Program and encourages prompt coordination among various stakeholders to ensure that all Department of Defense websites are fully compliant with Public Law 115–336.

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 (Public Law 116–92).

Security Assistance Reporting Requirements.—The Secretary of Defense is directed to submit reports, on a quarterly basis, to the congressional defense committees not later than 30 days after the last day of each quarter of the fiscal year that detail commitment, obligation, and expenditure data by sub-activity group for Operation and Maintenance, Defense-Wide, Defense Security Cooperation Agency.

Baltic Security Initiative.—The Committee recommends \$255,519,968, an increase of \$100,000,000, for the Baltic Security Initiative in strong support of ongoing security cooperation with Estonia, Latvia, and Lithuania. The Committee strongly supports the U.S.-Baltic Dialogue, and the Security Cooperation Roadmaps 2019–2024 as critical partnerships in support of North Atlantic Treaty Organization [NATO]’s security and deterrence posture. The Committee urges Secretary of Defense to continue robust security cooperation with the Baltic States, especially in the areas of integrated air and missile defense; long-range precision fires; maritime domain awareness; land forces development; and command, control, communications, intelligence, surveillance, and reconnaissance. Finally, the Committee directs the Secretary of Defense to brief the Committees on Appropriations of the House of Representatives and the Senate not later than 90 days after the enactment of this act on updates to the Baltic Security Initiative’s multi-year strategy and spend plan in light of continued Russian aggression in Europe.

Office of Security Cooperation, Iraq.—The Committee recognizes the importance of security assistance programs implemented by the Department of Defense and the Department of State with Iraq, including Foreign Military Financing, International Military Education and Training, the Counter-ISIS Train and Equip Fund, and Section 333 security cooperation. The success of these programs relies in part on a normalized and properly staffed Security Cooperation Office [SCO]. The Committee directs the Secretary of Defense to brief the congressional defense committees not later than 90 days after the enactment of this act on the plan to transition the Office of Security Cooperation-Iraq to a SCO by the end of fiscal year 2023, including validation and implementation of permanent security cooperation billets.

Defense Security Cooperation Agency Programs.—The Committee is concerned by the delays in the execution of International Security Cooperation Programs [ISCP] within the 2-year period of availability of appropriations. The Committee notes that the Defense Security Cooperation Agency [DSCA] has the statutory authority to build the capacity of foreign forces pursuant to 10 U.S.C. §333, §332, and §1263, and that these activities do not represent new projects or activities in the budget year. Further, the Committee notes that the annual appropriation bill requires only a 15 day prior notification for its security cooperation activities. As a result, the Committee directs the Director, DSCA to efficiently execute security cooperation programs by using the entire period of availability of funding to the greatest extent possible.

The Committee supports the goal of DSCA’s Significant Security Cooperation Initiative [SSCI], which eliminates arbitrary Combat-

ant Command allocations and more closely aligns security cooperation funding with the National Defense Strategy. However, the Department of Defense has executed, or plans to execute, security cooperation with approximately sixty percent of countries around the world from fiscal year 2021 to fiscal year 2023. Therefore, the Committee is concerned that DSCA has not yet fully realized this strategic shift in its planning, programming, budgeting, and execution of security cooperation. The Committee directs the Secretary of Defense not later than 90 days after the enactment of this act to brief the Committees on Appropriations of the House of Representatives and the Senate on plans to focus and deepen security cooperation in order to more closely align program execution with the SSCI strategy.

Finally, the Committee is concerned with the significant increases in border security cooperation in the last two President's budget requests. The Department of Defense lacks strategic guidance for how it plans and rationalizes annual spending in this area. The Committee is also concerned that several partner nations participating in the program seek reimbursement many years after the execution of reimbursable activities, which introduces uncertainty into the planning and direction of the program. Therefore, beginning in fiscal year 2024, the Committee directs DSCA to reimburse participating nations for activities which have taken place no earlier than two fiscal years' prior. Further, the Committee directs the Secretary of Defense to provide a written report to the congressional defense committees not later than 90 days after the enactment of this act on its multi-year goals and objectives for the border security program, including funding across the Future Years Defense Program.

Irregular Warfare Functional Center.—The Department of Defense Appropriations Act, 2022 (Public Law 117–103) appropriated \$10,000,000 to establish an Irregular Warfare Functional Center to sustain and enhance the Department's irregular warfare doctrine and operational concepts. The Committee notes that, pursuant to section 1299L of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283), the Department provided a report to the congressional defense committees that assessed the merits and feasibility of establishing and administering such a Center, and that, after submittal of the report, the Secretary of Defense is authorized, subject to the availability of appropriations, to establish and administer an Irregular Warfare Functional Center. Given that the Secretary of Defense is endowed with the necessary congressional authority and appropriations, the Committee urges prompt action on this matter to fully utilize the resources provided. Therefore, not later than 30 days after enactment of this act, the Committee directs the Secretary of Defense to provide a briefing to the congressional defense committees on the status of the establishment of a Department of Defense Irregular Warfare Functional Center, to include execution plans for all active appropriations associated with the Center.

COUNTER–ISIS TRAIN AND EQUIP FUND

Budget estimate, 2023	\$541,692,000
Committee recommendation	487,513,000

The Committee recommends an appropriation of \$487,513,000. This is \$54,179,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	COUNTER ISIS TRAIN AND EQUIP FUND [CTEF]			
10	IRAQ	358,015	322,204	— 35,811
20	SYRIA	183,677	165,309	— 18,368
	TOTAL, COUNTER ISIS TRAIN AND EQUIP FUND [CTEF]	541,692	487,513	— 54,179

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Iraq	358,015	322,204	— 35,811
	Unjustified request			— 35,811
	Syria	183,677	165,309	— 18,368
	Unjustified request			— 18,368
	Total, Counter-ISIS Train and Equip Fund	541,692	487,513	— 54,179

Islamic State of Iraq and Syria Detainees.—The Committee is concerned about the burden on the Syrian Democratic Forces [SDF] of holding thousands of Islamic State of Iraq and Syria [ISIS] detainees. The makeshift detention facilities are overcrowded and vulnerable to the types of ISIS attacks that led to the rise of the organization in 2012. The Committee supports efforts of the Department of Defense and international partners to fortify and construct detention facilities to alleviate overcrowding, enhance humane detention, and ensure the security of dangerous detainees. The Committee directs the Secretary of Defense to notify the congressional defense committees no later than 30 days prior to obligation of funds for detention facility construction and prohibits the use of Counter-ISIS Train and Equip Funds for any other construction activity. Moreover, the Committee directs the Secretary of Defense to engage with the SDF on ensuring that detainees are afforded all protections due under the Geneva Conventions.

OPERATION AND MAINTENANCE, ARMY RESERVE

Budget estimate, 2023	\$3,228,504,000
Committee recommendation	3,258,504,000

The Committee recommends an appropriation of \$3,258,504,000. This is \$30,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MODULAR SUPPORT BRIGADES	14,404	14,404	.....
20	ECHELONS ABOVE BRIGADES	662,104	662,104	.....
30	THEATER LEVEL ASSETS	133,599	133,599	.....
40	LAND FORCES OPERATIONS SUPPORT	646,693	646,693	.....
50	AVIATION ASSETS	128,883	128,883	.....
	LAND FORCES READINESS			
60	FORCES READINESS OPERATIONS SUPPORT	409,994	409,994	.....
70	LAND FORCES SYSTEM READINESS	90,595	81,595	- 9,000
80	DEPOT MAINTENANCE	44,453	44,453	.....
	LAND FORCES READINESS SUPPORT			
90	BASE OPERATIONS SUPPORT	567,170	567,170	.....
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	358,772	403,772	+ 45,000
110	MANAGEMENT AND OPERATIONS HEADQUARTERS	22,112	22,112	.....
120	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	2,929	2,929	.....
130	CYBERSPACE ACTIVITIES—CYBERSECURITY	7,382	7,382	.....
	TOTAL, BUDGET ACTIVITY 1	3,089,090	3,125,090	+ 36,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
140	SERVICEWIDE TRANSPORTATION	18,994	15,994	- 3,000
150	ADMINISTRATION	20,670	20,670	.....
160	SERVICEWIDE COMMUNICATIONS	31,652	31,652	.....
170	MANPOWER MANAGEMENT	6,852	6,852	.....
180	OTHER PERSONNEL SUPPORT	61,246	61,246	.....
	TOTAL, BUDGET ACTIVITY 4	139,414	136,414	- 3,000
	HISTORICAL UNOBLIGATION			
	UNJUSTIFIED GROWTH		- 20,000	- 20,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS, SUPPLIES, AND MATERIALS		17,000	+ 17,000
	TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	3,228,504	3,258,504	+ 30,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
122	Land Forces Systems Readiness	90,595	81,595	- 9,000
	Program decrease unaccounted for			- 9,000
132	Facilities Sustainment, Restoration & Modernization	358,772	403,772	+ 45,000
	Program increase			+ 45,000
421	Servicewide Transportation	18,994	15,994	- 3,000
	Unjustified growth			- 3,000
UNDIST	Unjustified growth		- 20,000	- 20,000
UNDIST	Program increase: Impact of inflation on utility costs, supplies, and materials		17,000	+ 17,000

OPERATION AND MAINTENANCE, NAVY RESERVE

Budget estimate, 2023 \$1,228,300,000
 Committee recommendation 1,233,300,000

The Committee recommends an appropriation of \$1,233,300,000.
 This is \$5,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, NAVY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	OPERATING FORCES			
10	MISSION AND OTHER FLIGHT OPERATIONS	669,533	669,533	.....
20	INTERMEDIATE MAINTENANCE	11,134	11,134	.....
30	AIRCRAFT DEPOT MAINTENANCE	164,892	161,392	- 3,500
40	AIRCRAFT DEPOT OPERATIONS SUPPORT	494	494	.....
50	AVIATION LOGISTICS	25,843	25,843	.....
60	COMBAT COMMUNICATIONS	20,135	20,135	.....
70	COMBAT SUPPORT FORCES	131,104	131,104	.....
80	CYBERSPACE ACTIVITIES	289	289	.....
90	ENTERPRISE INFORMATION	27,189	27,189	.....
100	SUSTAINMENT, RESTORATION & MODERNIZATION	44,784	50,784	+ 6,000
110	BASE OPERATING SUPPORT	116,374	116,374	.....
	TOTAL, BUDGET ACTIVITY 1	1,211,771	1,214,271	+ 2,500
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
120	ADMINISTRATION	1,986	1,986	.....
130	MILITARY MANPOWER & PERSONNEL MANAGEMENT	12,550	12,550	.....
140	ACQUISITION AND PROGRAM MANAGEMENT	1,993	1,993	.....
	TOTAL, BUDGET ACTIVITY 4	16,529	16,529	.....
	Unjustified Growth		- 3,500	- 3,500
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS, SUPPLIES, AND MATERIALS		6,000	+ 6,000
	TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	1,228,300	1,233,300	+ 5,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1A5A	Aircraft Depot Maintenance	164,892	161,392	- 3,500
	Program decrease unaccounted for			- 3,500
BSMR	Sustainment, Restoration and Modernization	44,784	50,784	+ 6,000
	Program increase			+ 6,000
UNDIST	Unjustified growth		- 3,500	- 3,500

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Program increase: Impact of inflation on utility costs, supplies, and materials .....	.....	6,000	+ 6,000

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

Budget estimate, 2023	\$304,233,000
Committee recommendation	309,633,000

The Committee recommends an appropriation of \$309,633,000. This is \$5,400,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
10	OPERATING FORCES	109,045	107,545	- 1,500
20	DEPOT MAINTENANCE	19,361	19,361	.....
30	SUSTAINMENT, RESTORATION & MODERNIZATION	45,430	51,430	+ 6,000
40	BASE OPERATING SUPPORT	118,364	117,264	- 1,100
	TOTAL, BUDGET ACTIVITY 1	292,200	295,600	+ 3,400
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
50	ADMINISTRATION	12,033	12,033	.....
	TOTAL, BUDGET ACTIVITY 4	12,033	12,033	.....
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS, SUPPLIES, AND MATERIALS .....	.....	2,000	+ 2,000
	TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	304,233	309,633	+ 5,400

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Operating Forces	109,045	107,545	- 1,500
	Unjustified growth .....	.....	.....	- 1,500
BSM1	Sustainment, Restoration and Modernization	45,430	51,430	+ 6,000
	Program increase .....	.....	.....	+ 6,000
BSS1	Base Operating Support	118,364	117,264	- 1,100
	Program decrease unaccounted for .....	.....	.....	- 1,100

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Program increase: Impact of inflation on utility costs, supplies, and materials .....	.....	2000	+ 2,000

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

Budget estimate, 2023 \$3,564,544,000
 Committee recommendation 3,569,044,000

The Committee recommends an appropriation of \$3,569,044,000.
 This is \$4,500,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR FORCE RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES	1,743,908	1,708,908	- 35,000
20	MISSION SUPPORT OPERATIONS	193,568	188,568	- 5,000
30	DEPOT PURCHASE EQUIPMENT MAINTENANCE	493,664	503,664	+ 10,000
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	133,782	150,782	+ 17,000
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT ...	341,724	341,724	.....
60	BASE SUPPORT	522,195	519,695	- 2,500
70	CYBERSPACE ACTIVITIES	1,706	1,706	.....
	TOTAL, BUDGET ACTIVITY 1	3,430,547	3,415,047	- 15,500
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
80	ADMINISTRATION	102,038	102,038	.....
90	RECRUITING AND ADVERTISING	9,057	9,057	.....
100	MILITARY MANPOWER AND PERS MGMT [ARPC]	14,896	14,896	.....
110	OTHER PERS SUPPORT (DISABILITY COMP)	7,544	7,544	.....
120	AUDIOVISUAL	462	462	.....
	TOTAL, BUDGET ACTIVITY 4	133,997	133,997	.....
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS, SUPPLIES, AND MATERIALS .....	.....	20,000	+ 20,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE	3,564,544	3,569,044	+ 4,500

COMMITTEE RECOMMENDED ADJUSTMENTS

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces	1,743,908	1,708,908	- 35,000
	Unjustified growth .....	.....	.....	- 35,000
011G	Mission Support Operations	193,568	188,568	- 5,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Unjustified growth			- 5,000
011M	Depot Purchase Equipment Maintenance	493,664	503,664	+ 10,000
	Unjustified growth			- 10,000
	Program increase: Weapon system sustainment			+ 20,000
011R	Facilities Sustainment, Restoration & Modernization	133,782	150,782	+ 17,000
	Program increase			+ 17,000
011Z	Base Support	522,195	519,695	- 2,500
	Unjustified growth			- 2,500
UNDIST	Program increase: Impact of inflation on utility costs, supplies, and materials		20,000	+ 20,000

Homestead Air Reserve Base.—The Committee recognizes the importance of Homestead Air Reserve Base in Homestead Florida to the military and national security readiness of the U.S. Air Force and the Air Force Reserve. The Committee directs the Secretary of the Air Force to provide a report to the congressional defense committees that includes an assessment of the impacts of civil aviation to military readiness and military activity at Homestead Air Reserve Base.

OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

Budget estimate, 2023	\$8,157,237,000
Committee recommendation	8,337,287,000

The Committee recommends an appropriation of \$8,337,287,000. This is \$180,050,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	964,237	975,737	+ 11,500
20	MODULAR SUPPORT BRIGADES	214,191	214,191	.....
30	ECHELONS ABOVE BRIGADE	820,752	820,752	.....
40	THEATER LEVEL ASSETS	97,184	97,184	.....
50	LAND FORCES OPERATIONS SUPPORT	54,595	54,595	.....
60	AVIATION ASSETS	1,169,826	1,149,826	- 20,000
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	722,788	720,038	- 2,750
80	LAND FORCES SYSTEMS READINESS	46,580	46,580	.....
90	LAND FORCES DEPOT MAINTENANCE	259,765	259,765	.....
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT	1,151,215	1,151,215	.....
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	1,053,996	1,185,996	+ 132,000
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,148,286	1,161,586	+ 13,300
130	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	8,715	8,715	.....
140	CYBERSPACE ACTIVITIES—CYBERSECURITY	8,307	8,307	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, BUDGET ACTIVITY 1	7,720,437	7,854,487	+ 134,050
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
150	SERVICEWIDE TRANSPORTATION	6,961	6,961	.....
160	ADMINISTRATION	73,641	79,641	+ 6,000
170	SERVICEWIDE COMMUNICATIONS	100,389	100,389	.....
180	MANPOWER MANAGEMENT	9,231	9,231	.....
190	OTHER PERSONNEL SUPPORT	243,491	323,491	+ 80,000
200	REAL ESTATE MANAGEMENT	3,087	3,087	.....
	TOTAL, BUDGET ACTIVITY 4	436,800	522,800	+ 86,000
	Unjustified Growth		- 85,000	- 85,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS, SUPPLIES, AND MATERIALS		45,000	+ 45,000
	TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	8,157,237	8,337,287	+ 180,050

COMMITTEE RECOMMENDED ADJUSTMENTS

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units	964,237	975,737	+ 11,500
	Program increase: Exercise Northern Strike			+ 11,500
116	Aviation Assets	1,169,826	1,149,826	- 20,000
	Unjustified growth			- 20,000
121	Force Readiness Operations Support	722,788	720,038	- 2,750
	Program decrease unaccounted for			- 9,000
	Program increase: Advanced trauma and public health direct training services			+ 2,500
	Program increase: International advanced trauma and public health training			+ 750
	Program increase: Irregular warfare training exercises			+ 1,500
	Program increase: Wildfire training			+ 1,500
132	Facilities Sustainment, Restoration & Modernization	1,053,996	1,185,996	+ 132,000
	Program increase			+ 132,000
133	Management and Operational Headquarters	1,148,286	1,161,586	+ 13,300
	Program increase: Mental health providers			+ 7,300
	Program increase: Star behavioral health program			+ 6,000
431	Administration	73,641	79,641	+ 6,000
	Program increase: State Partnership Program			+ 6,000
434	Other Personnel Support	243,491	323,491	+ 80,000
	Program increase: Army National Guard marketing and advertising			+ 80,000
UNDIST	Unjustified growth		- 85,000	- 85,000
UNDIST	Program increase: Impact of inflation on utility costs, supplies, and materials		45,000	+ 45,000

Army National Guard Sustainment, Restoration and Modernization Funding.—The Committee recommends a robust funding level in fiscal year 2023 for facility sustainment, restoration and modernization. The Chief of the National Guard Bureau is encouraged to use a portion of these funds to modernize state Army National Guard facilities to address inequities that exist related to facilities

and spaces provided to address the needs of female service members.

Muscatatuck Cyber Training Center.—The Muscatatuck Urban Training Center provides a unique training platform for the military services, including the National Guard. The Committee notes that prior investments there have improved cyber-physical and hardware-in-the-loop training opportunities across all components and encourages the Army National Guard to adequately fund sustainment of these capabilities.

Warrior Resiliency and Fitness.—The Committee notes with approval the Army National Guard’s inclusion of Warrior Resiliency and Fitness in its fiscal year 2023 President’s budget request and urges the Army National Guard to continue incorporating analytic tool development for Adjutants General and state pilot programs as an incubator for innovative approaches to preventative mental health efforts.

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

Budget estimate, 2023	\$6,900,679,000
Committee recommendation	7,278,779,000

The Committee recommends an appropriation of \$7,278,779,000. This is \$378,100,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(In thousands of dollars)

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	AIRCRAFT OPERATIONS	2,301,784	2,397,984	+ 96,200
20	MISSION SUPPORT OPERATIONS	587,793	633,393	+ 45,600
30	DEPOT PURCHASE EQUIPMENT MAINTENANCE	1,193,699	1,173,999	– 19,700
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	437,042	570,442	+ 133,400
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,284,264	1,303,964	+ 19,700
60	BASE SUPPORT	967,169	981,069	+ 13,900
70	CYBERSPACE SUSTAINMENT	12,661	12,661	.....
80	CYBERSPACE ACTIVITIES	15,886	15,886	.....
	TOTAL, BUDGET ACTIVITY 1	6,800,298	7,089,398	+ 289,100
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
90	ADMINISTRATION	52,075	61,075	+ 9,000
100	RECRUITING AND ADVERTISING	48,306	98,306	+ 50,000
	TOTAL, BUDGET ACTIVITY 4	100,381	159,381	+ 59,000
	UNJUSTIFIED GROWTH		– 10,000	– 10,000
	PROGRAM INCREASE: IMPACT OF INFLATION ON UTILITY COSTS, SUPPLIES, AND MATERIALS		40,000	+ 40,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD	6,900,679	7,278,779	+ 378,100

COMMITTEE RECOMMENDED ADJUSTMENTS

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
011F	Aircraft Operations	2,301,784	2,397,984	+ 96,200
	Transfer from National Guard Personnel, Air Force for full time support			+ 86,700
	Program increase: Exercise Northern Strike			+ 1,000
	Program increase: Optimization of the Human Weapons System			+ 5,000
	Program increase: Combat readiness training centers			+ 3,500
011G	Mission Support Operations	587,793	633,393	+ 45,600
	Transfer from National Guard Personnel, Air Force for full time support			+ 24,600
	Program increase: Advanced trauma and public health direct training services			+ 3,800
	Program increase: Joint Terminal Attack Controller training			+ 8,000
	Program increase: Mental health providers			+ 2,000
	Program increase: State Partnership Program			+ 2,500
	Program increase: Combat readiness training centers			+ 1,200
	Program increase: Warrior Resiliency and Fitness			+ 2,000
	Program increase: Wildfire training			+ 1,500
011M	Depot Purchase Equipment Maintenance	1,193,699	1,173,999	- 19,700
	Program decrease unaccounted for			- 30,000
	Transfer: ANG-requested transfer to SAG 11W for Weapon System Sustainment			- 49,700
	Program increase: Weapon system sustainment			+ 60,000
011R	Facilities Sustainment, Restoration & Modernization	437,042	570,442	+ 133,400
	Program increase			+ 55,000
	Program increase: Facility enhancements for future foreign military training sites			+ 18,000
	Program increase: PFAS environmental activities			+ 15,400
	Program increase: Aqueous film forming foam removal and disposal			+ 45,000
011W	Contractor Logistics Support and System Support	1,284,264	1,303,964	+ 19,700
	Program decrease unaccounted for			- 30,000
	Transfer: ANG-requested transfer from SAG 11M for Weapon System Sustainment			+ 49,700
011Z	Base Support	967,169	981,069	+ 13,900
	Transfer from National Guard Personnel, Air Force for full time support			+ 13,400
	Program increase: Combat readiness training centers			+ 500
042A	Administration	52,075	61,075	+ 9,000
	Transfer from National Guard Personnel, Air Force for full time support			+ 9,000
042J	Recruiting and Advertising	48,306	98,306	+ 50,000
	Program increase: Air National Guard marketing and advertising			+ 50,000
UNDIST	Unjustified growth		- 10,000	- 10,000
UNDIST	Program increase: Impact on inflation on utility costs, supplies, and materials		+ 40,000	+ 40,000

U.S. COURT OF APPEALS FOR THE ARMED FORCES

Budget estimate, 2023	\$16,003,000
Committee recommendation	16,003,000

The Committee recommends an appropriation of \$16,003,000. This is equal to the budget estimate.

ENVIRONMENTAL RESTORATION, ARMY

Budget estimate, 2023	\$196,244,000
Committee recommendation	238,244,000

The Committee recommends an appropriation of \$238,244,000. This is \$40,000,000 above the budget estimate for the Army and Army National Guard to address costs associated with remediating contamination caused by per- and polyfluoroalkyl substances and \$2,000,000 above the budget estimate for Restoration Advisory Boards.

ENVIRONMENTAL RESTORATION, NAVY

Budget estimate, 2023	\$359,348,000
Committee recommendation	374,348,000

The Committee recommends an appropriation of \$374,348,000. This is \$15,000,000 above the budget estimate for the Navy to address costs associated with remediating contamination caused by per- and polyfluoroalkyl substances.

ENVIRONMENTAL RESTORATION, AIR FORCE

Budget estimate, 2023	\$314,474,000
Committee recommendation	466,474,000

The Committee recommends an appropriation of \$466,474,000. This is \$150,000,000 above the budget estimate for the Air Force and Air National Guard to address costs associated with remediating contamination caused by per- and polyfluoroalkyl substances and \$2,000,000 above the budget estimate for Restoration Advisory Boards.

ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

Budget estimate, 2023	\$8,924,000
Committee recommendation	8,924,000

The Committee recommends an appropriation of \$8,924,000. This is equal to the budget estimate.

ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

Budget estimate, 2023	\$227,262,000
Committee recommendation	297,262,000

The Committee recommends an appropriation of \$297,262,000. This is \$30,000,000 above the budget estimate for the Military Munitions Response Program and \$40,000,000 above the budget estimate for the Installation Restoration Program.

OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

Budget estimate, 2023	\$112,800,000
Committee recommendation	112,800,000

The Committee recommends an appropriation of \$112,800,000. This is equal to the budget estimate.

COOPERATIVE THREAT REDUCTION ACCOUNT

Budget estimate, 2023 \$341,598,000
 Committee recommendation 341,598,000

The Committee recommends an appropriation of \$341,598,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Item	2023 budget estimate	Committee recommendation	Change from Estimate
Strategic Offensive Arms Elimination	6,859	6,859	.....
Chemical Security & Elimination	14,998	14,998	.....
Global Nuclear Security	18,088	18,088	.....
Biological Threat Reduction Program	225,000	225,000	.....
Proliferation Prevention	45,890	45,890	.....
Other Assessments/Administrative Costs	30,763	30,763	.....
Total, Cooperative Threat Reduction Account	341,598	341,598	.....

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT

Budget estimate, 2023 \$53,791,000
 Committee recommendation 126,791,000

The Committee recommends an appropriation of \$126,791,000. This is \$73,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	Recruiting and Hiring	1,444	4,444	+ 3,000
	Program increase: Diversity STEM talent development ..	.....	.....	+ 3,000
2	Training and Development	50,952	50,952	.....
3	Retention and Recognition	1,395	1,395	.....
UNDIST	Program increase: Defense Civilian Training Corps .....	.....	50,000	+ 50,000
UNDIST	Program increase: Congressional mandates .....	.....	20,000	+ 20,000
	Total, Department of Defense Acquisition Workforce Development Account	53,791	126,791	+ 73,000

Department of Defense Acquisition Workforce Reporting Requirements.—The Committee directs the Under Secretary for Defense (Acquisition and Sustainment) to provide the Department of Defense Acquisition Workforce Development Account annual report to the congressional defense committees not later than 30 days after submission of the fiscal year 2024 President’s budget request. Fur-

ther, as in previous years, the Under Secretary of Defense (Acquisition and Sustainment) is directed to provide the congressional defense committees with the fiscal year 2024 President’s budget request additional details regarding total funding for the acquisition workforce by funding category and specific appropriations accounts in the Future Years Defense Program, to include an explanation of changes from prior year’s submission.

Department of Defense Acquisition Workforce Development Account Reprogramming Guidance.—The Secretary of Defense is directed to follow reprogramming guidance for the Department of Defense Acquisition Workforce Development Account [DAWDA] consistent with reprogramming guidance for acquisition accounts detailed elsewhere in this explanatory statement. The dollar threshold for reprogramming DAWDA funds remains \$10,000,000.

Defense Civilian Training Corps.—The Committee continues to support the Defense Acquisition Workforce Development Account [DAWDA] mission to ensure the Department of Defense [DOD] has the capacity in both personnel and skills needed to perform its acquisition mission, provide appropriate oversight of contractor performance, and ensure that the Department receives best value for expenditure of public resources. To maintain its competitive edge in the face of growing challenges, the DOD must recruit, train, and retain a workforce ready to meet the acquisition demands for future technologies. Therefore, the Committee recommends an increase of \$50,000,000 for the Defense Civilian Training Corps to target critical skill gaps in the defense acquisition workforce, including the fields of data literacy, engineering and technologies to provide the DOD with a ready and capable workforce in the face of near-peer competition.

RED HILL RECOVERY FUND

Budget estimate, 2023	\$1,000,000,000
Committee recommendation .....	.....

The Committee recommends no appropriation. \$1,000,000,000 is recommended for the Red Hill Bulk Fuel Storage Facility in section 8119.

**TITLE III
PROCUREMENT**

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

The President's fiscal year 2023 budget requests a total of \$145,036,829,000 for procurement appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends procurement appropriations totaling \$156,736,924,000 for fiscal year 2023. This is \$11,700,095,000 above the budget estimate.

Committee recommended procurement appropriations for fiscal year 2023 are summarized below:

SUMMARY OF PROCUREMENT APPROPRIATIONS

[In thousands of dollars]

Account	2023 budget estimate	Committee recommendation	Change from budget estimate
Procurement:			
Aircraft Procurement, Army	2,849,655	3,403,946	+ 554,291
Missile Procurement, Army	3,761,915	3,853,303	+ 91,388
Procurement of Weapons and Tracked Combat Vehicles, Army	3,576,030	4,790,018	+ 1,213,988
Procurement of Ammunition, Army	2,639,051	2,732,300	+ 93,249
Other Procurement, Army	8,457,509	7,936,312	- 521,197
Aircraft Procurement, Navy	16,848,428	18,059,443	+ 1,211,015
Weapons Procurement, Navy	4,738,705	4,850,198	+ 111,493
Procurement of Ammunition, Navy and Marine Corps	1,052,292	1,119,954	+ 67,662
Shipbuilding and Conversion, Navy	27,917,854	31,928,696	+ 4,010,842
Other Procurement, Navy	11,746,503	11,851,783	+ 105,280
Procurement, Marine Corps	3,681,506	3,713,286	+ 31,780
Aircraft Procurement, Air Force	18,517,428	20,704,120	+ 2,186,692
Missile Procurement, Air Force	2,962,417	3,207,815	+ 245,398
Procurement of Ammunition, Air Force	903,630	870,822	- 32,808
Other Procurement, Air Force	25,848,831	26,063,918	+ 215,087
Procurement, Space Force	3,629,669	4,050,914	+ 421,245
Procurement, Defense-Wide	5,245,500	5,740,190	+ 494,690
Defense Production Act Purchases	659,906	359,906	- 300,000
National Guard and Reserve Equipment .....	.....	1,500,000	+ 1,500,000
Total	145,036,829	156,736,924	+ 11,700,095

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

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

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

FUNDING INCREASES

The funding increases outlined in the tables accompanying each appropriation account shall be provided only for the specific purposes indicated in the tables of Committee Recommended Adjustments. The Committee directs that funding increases shall be competitively awarded, or provided to programs that have received competitive awards in the past.

PROCUREMENT SPECIAL INTEREST ITEMS

Items for which additional funds have been recommended or items for which funding is specifically reduced as shown in the tables detailing Committee recommended adjustments or in paragraphs using the phrase “only for” or “only to” 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 explanatory statement.

PROCUREMENT OVERVIEW

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

store any lost capability to meet future organic wartime manufacturing needs.

Arsenal Sustainment Initiative.—The Committee continues to support the Department of the Army's efforts to ensure that the critical manufacturing capabilities of the Nation's organic industrial base are maintained, and commends the Army for issuing a definitive make-or-buy directive for the manufacturing arsenals. The guidance ensures that the arsenals will be given fair consideration for every Army acquisition; provides for a 30-day review of all such decisions by the Army Acquisition Executive; requires all private sector companies to consider the arsenals as a potential supplier of component parts; and provides for an annual review of this overall process. The Committee encourages the Army to implement the directive consistently to ensure the arsenals have the workload necessary to maintain the proficiency and capacity to meet the manufacturing needs of the Nation during war and peacetime. The Committee notes that it has not yet received detailed recommendations from the Secretary of Defense on how the Air Force, Navy, and Marine Corps can better use the arsenals for their manufacturing needs, or what opportunities may exist for the arsenals to assist the services and the Defense Logistics Agency to procure for the Department's spare parts inventory, as required by Senate Report 114–63.

Buy America.—The Committee applauds the Department of Defense for its efforts to ensure the tools our warfighters need worldwide are made in America. The Committee is aware of vulnerabilities associated with the supply chain and recognizes that the Department of Defense, as the largest procurer of goods and services in the Federal Government, is susceptible to receiving goods with foreign content exceeding the domestic content requirement for Buy America requirements. The Committee encourages the Secretary of Defense to explore technologies such as blockchain in order to identify counterfeit goods, source commodities, and trace provenance.

AIRCRAFT PROCUREMENT, ARMY

Budget estimate, 2023	\$2,849,655,000
Committee recommendation	3,403,946,000

The Committee recommends an appropriation of \$3,403,946,000. This is \$554,291,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AIRCRAFT PROCUREMENT, ARMY						
	AIRCRAFT						
	FIXED WING						
2	MQ-1 UAV			12	350,000	+12	+350,000
5	SMALL UNMANNED AIRCRAFT SYSTEMS		10,598		10,598		
	ROTARY						
7	AH-64 APACHE BLOCK IIIA REMAN	35	524,661	35	524,661		
8	AH-64 APACHE BLOCK IIIA REMAN [AP-CY]		169,218		169,218		
10	UH-60 BLACKHAWK M MODEL [MYP]	25	650,406	25	650,406		
11	UH-60 BLACKHAWK M MODEL [AP-CY]		68,147		68,147		
12	UH-60 BLACK HAWK L AND V MODELS	28	178,658	28	178,658		
13	CH-47 HELICOPTER	6	169,149	11	369,149	+5	+200,000
14	CH-47 HELICOPTER [AP-CY]		18,749		18,749		
	TOTAL, AIRCRAFT		1,789,586		2,339,586		+550,000
	MODIFICATION OF AIRCRAFT						
16	MQ-1 PAYLOAD		57,700		57,700		
18	GRAY EAGLE MODSZ		13,038		18,038		+5,000
19	MULTI SENSOR ABN RECON		21,380		21,380		
20	AH-64 MODS		85,840		85,840		
21	CH-47 CARGO HELICOPTER MODS [MYP]		11,215		22,419		+11,204
24	EMARSS SEMA MODS		1,591		1,591		
26	UTILITY HELICOPTER MODS		21,346		29,346		+8,000
27	NETWORK AND MISSION PLAN		44,526		42,450		-2,076
28	COMMS, NAV SURVEILLANCE		72,387		72,387		
30	AVIATION ASSURED PNT		71,130		68,104		-3,026
31	GATM ROLLUP		14,683		14,683		
	TOTAL, MODIFICATION OF AIRCRAFT		414,836		433,938		+19,102

	SUPPORT EQUIPMENT AND FACILITIES							
	GROUND SUPPORT AVIONICS							
34	AIRCRAFT SURVIVABILITY EQUIPMENT	167,927	167,927					
35	SURVIVABILITY CM	6,622	884					-5,738
36	CWMS	107,112	101,212					-5,900
37	COMMON INFRARED COUNTERMEASURES (CIRCM)	288,209	288,209	125				
	OTHER SUPPORT							
39	COMMON GROUND EQUIPMENT	20,823	20,823					
40	AIRCREW INTEGRATED SYSTEMS	25,773	25,773					
41	AIR TRAFFIC CONTROL	27,492	24,319					-3,173
42	LAUNCHER, 2.75 ROCKET	1,275	1,275					
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES	645,233	630,422					-14,811
	TOTAL, AIRCRAFT PROCUREMENT, ARMY	2,849,655	3,403,946					+554,291

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
2	MQ-1 UAV		350,000	+ 350,000
	Program increase: 12 MQ-1C Gray Eagle Extended Range for the National Guard			+ 350,000
13	CH-47 Helicopter	169,149	369,149	+ 200,000
	Program increase: Additional 5 F Block II helicopters			+ 200,000
18	Gray Eagle Mods2	13,038	18,038	+ 5,000
	Program increase: ELINT upgrades			+ 5,000
21	CH-47 Cargo Helicopter Mods [MYP]	11,215	22,419	+ 11,204
	Avionics updates insufficient budget justification			- 1,296
	Program increase: Degraded Visual Environment systems			+ 12,500
26	Utility Helicopter Mods	21,346	29,346	+ 8,000
	Program increase: Litter basket stabilization technology for search and rescue			+ 8,000
27	Network and Mission Plan	44,526	42,450	- 2,076
	Aviation Mission Common Server SW App ECP unjustified growth			- 2,076
30	Aviation ASSURED PNT	71,130	68,104	- 3,026
	EGI EAGLE-M B Kit SE/PM unjustified growth			- 3,026
35	Survivability CM	6,622	884	- 5,738
	ATIRCM divestiture optimization early to need			- 5,738
36	CMWS	107,112	101,212	- 5,900
	LIMWS engineering services unjustified growth			- 5,900
41	Air Traffic Control	27,492	24,319	- 3,173
	DoD Advanced Automation System excess to need			- 1,359
	Tactical Airspace Integration System unjustified growth			- 1,814

MISSILE PROCUREMENT, ARMY

Budget estimate, 2023	\$3,761,915,000
Committee recommendation	3,853,303,000

The Committee recommends an appropriation of \$3,853,303,000. This is \$91,388,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER MISSILES						
	MISSILE PROCUREMENT, ARMY						
1	LOWER TIER AIR AND MISSILE DEFENSE [AMD]		4,260		4,260		
2	LOWER TIER AIR AND MISSILE DEFENSE [AMD] [AP-CY]	6	9,200		9,200		
3	M-SHORAD—PROCUREMENT		135,747	6	135,747		
4	MSE MISSILE	252	1,037,093	252	1,037,093		
5	PRECISION STRIKE MISSILE [PRSM]	120	213,172	88	162,876	-32	-50,296
6	INDIRECT FIRE PROTECTION CAPABILITY INC 2—1		18,924		18,924		
	AIR—TO—SURFACE MISSILE SYSTEM						
7	HELLFIRE SYS SUMMARY	752	111,294	752	111,294		
8	JOINT AIR—TO—GROUND MSLS [JAGM]	713	216,030	713	216,030		
10	LONG-RANGE HYPERSONIC WEAPON		249,285		249,285		
11	JAVELIN [AAWS-M] SYSTEM SUMMARY	582	162,968	582	154,652		-8,316
12	TOW 2 SYSTEM SUMMARY	893	105,423	893	105,423		
13	GUIDED MLRS ROCKET [GMLRS]	4,674	785,028	4,674	785,028		
14	MLRS REDUCED RANGE PRACTICE ROCKETS [RRPR]	342	4,354	342	4,354		
15	HIGH MOBILITY ARTILLERY ROCKET SYSTEM [HMARS]	23	155,705	23	155,705		
16	LETHAL MINIATURE AERIAL MISSILE SYSTEM [LMAMS]		37,937		37,937		
	TOTAL, OTHER MISSILES		3,246,420		3,187,808		-58,612
	MODIFICATION OF MISSILES						
17	PATRIOT MODS		253,689		253,689		
20	ITAS/TOW MODS		5,154		5,154		
21	MLRS MODS		218,359		218,359		
22	HIMARS MODIFICATIONS		20,468		20,468		
	TOTAL, MODIFICATION OF MISSILES		497,670		497,670		
	SPARES AND REPAIR PARTS						
23	SPARES AND REPAIR PARTS		6,508		6,508		

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
24	SUPPORT EQUIPMENT AND FACILITIES						
	AIR DEFENSE TARGETS		11,317		11,317		
25	INDUSTRIAL PREPAREDNESS				150,000		+ 150,000
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES		11,317		161,317		+ 150,000
	TOTAL, MISSILE PROCUREMENT, ARMY		3,761,915		3,853,303		+ 91,388

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
5	PRECISION STRIKE MISSILE [PRSM]	213,172	162,876	- 50,296
	Early to need			- 50,296
11	Javelin [AAWS-M] System Summary	162,968	154,652	- 8,316
	Army requested transfer to RDTE, Army line 94			- 8,316
25	Industrial Preparedness		150,000	+ 150,000
	Program increase: Capacity expansion			+ 150,000

**PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES,
ARMY**

Budget estimate, 2023 \$3,576,030,000
Committee recommendation 4,790,018,000

The Committee recommends an appropriation of \$4,790,018,000.
This is \$1,213,988,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES [W&TCV], ARMY						
	TRACKED COMBAT VEHICLES						
1	ARMORED MULTI PURPOSE VEHICLE [AMPV]	72	380,677	131	780,677	+59	+400,000
2	ASSAULT BREACHER VEHICLE [ABV]		3,852		3,852		
3	MOBILE PROTECTED FIREPOWER	28	356,708	28	356,708		
	MODIFICATION OF TRACKED COMBAT VEHICLES						
4	STRYKER UPGRADE	102	671,271	175	891,171	+73	+219,900
5	BRADLEY PROGRAM (MOD)		279,531		279,531		
6	M109 FOV MODIFICATIONS		3,028		3,028		
7	PALADIN INTEGRATED MANAGEMENT [PIM]	27	493,003	27	493,003		
8	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	12	138,759	12	138,759		
12	JOINT ASSAULT BRIDGE	6	36,990	6	36,990		
14	ABRAMS UPGRADE PROGRAM	44	656,340	90	1,258,340	46	+602,000
	TOTAL, TRACKED COMBAT VEHICLES		3,020,159		4,242,059		+1,221,900
	WEAPONS AND OTHER COMBAT VEHICLES						
16	M240 MEDIUM MACHINE GUN (7.62MM)		26,627		10,500		+10,500
17	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPONS		8,516		26,627		
18	MORTAR SYSTEMS		48,301		8,516		
19	LOCATION & AZIMUTH DETERMINATION SYSTEM (LADS)		11,703		48,301		
20	XM320 GRENADE LAUNCHER MODULE [GLM]		6,436		11,703		
21	PRECISION SNIPER RIFLE		221,293		6,436		
24	NEXT GENERATION SQUAD WEAPON				202,881		-18,412
	MOD OF WEAPONS AND OTHER COMBAT VEH						
28	M777 MODS		3,374		3,374		
33	M119 MODIFICATIONS		2,263		2,263		
	SUPPORT EQUIPMENT AND FACILITIES						
36	ITEMS LESS THAN \$50M [WOCV-WTCV]		2,138		2,138		
37	PRODUCTION BASE SUPPORT [WOCV-WTCV]		225,220		225,220		

TOTAL, WEAPONS AND OTHER COMBAT VEHICLES	555,871		547,959	-7,912
TOTAL, PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY	3,576,030		4,790,018	+1,213,988

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	Armored Multi Purpose Vehicle [AMPV]	380,677	780,677	+ 400,000
	Program increase			+ 400,000
4	Stryker Upgrade	671,271	891,171	+ 219,900
	Program increase: Additional 73 vehicles			+ 219,900
14	Abrams Upgrade Program	656,340	1,258,340	+ 602,000
	Program increase: Additional 46 vehicles			+ 602,000
16	M240 Medium Machine Gun (7.62mm)		10,500	+ 10,500
	Program increase: M240 machine guns			+ 10,500
24	Next Generation Squad Weapon	221,293	202,881	- 18,412
	Automatic rifle contract delays			- 3,387
	Rifle contract delays			- 15,025

PROCUREMENT OF AMMUNITION, ARMY

Budget estimate, 2023 \$2,639,051,000
 Committee recommendation 2,732,300,000

The Committee recommends an appropriation of \$2,732,300,000. This is \$93,249,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AMMUNITION						
	PROCUREMENT OF AMMUNITION, ARMY						
	SMALL/MEDIUM CAL AMMUNITION						
1	CTG. 5.56MM, ALL TYPES		59,447		46,309		- 13,138
2	CTG. 7.62MM, ALL TYPES		90,019		73,716		- 16,303
3	NEXT GENERATION SQUAD WEAPON AMMUNITION		128,662		64,331		- 64,331
4	CTG. HANDGUN, ALL TYPES		317		317		
5	CTG. .50 CAL., ALL TYPES		35,849		35,849		
6	CTG. 20MM, ALL TYPES		11,761		21,761		+ 10,000
7	CTG. 25MM, ALL TYPES		10,270		6,847		- 3,423
8	CTG. 30MM, ALL TYPES		143,045		137,209		- 5,836
9	CTG. 40MM, ALL TYPES		85,213		85,213		
	MORTAR AMMUNITION						
10	60MM MORTAR, ALL TYPES		33,338		33,338		
11	81MM MORTAR, ALL TYPES		56,577		56,577		
12	120MM MORTAR, ALL TYPES		127,168		127,168		
	TANK AMMUNITION						
13	CTG TANK 105MM AND 120MM: ALL TYPES		296,943		260,606		- 36,337
	ARTILLERY AMMUNITION						
14	CTG. ARTY. 75MM AND 105MM: ALL TYPES		7,647		7,647		
15	ARTILLERY PROJECTILE, 155MM, ALL TYPES		182,455		187,655		+ 5,200
17	PRECISION ARTILLERY MUNITIONS		166,334		166,334		
18	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES		143,763		143,763		
	MINES						
19	MINES AND CLEARING CHARGES, ALL TYPES		80,920		80,920		
20	CLOSE TERRAIN SHAPING OBSTACLE		53,579		29,041		- 24,538
	ROCKETS						
21	SHOULDER LAUNCHED MUNITIONS, ALL TYPES		18,159		18,159		
22	ROCKET, HYDRA 70, ALL TYPES		171,697		171,697		

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER AMMUNITION						
23	CAD/PAD ALL TYPES		7,643		7,643		
24	DEMOLITION MUNITIONS, ALL TYPES		29,796		26,199		-3,597
25	GRENADES, ALL TYPES		36,251		36,251		
26	SIGNALS, ALL TYPES		13,852		13,852		
27	SIMULATORS, ALL TYPES		9,350		9,350		
	MISCELLANEOUS						
29	AMMO COMPONENTS, ALL TYPES		3,823		3,823		
30	ITEMS LESS THAN \$5 MILLION		19,921		18,099		-1,822
31	AMMUNITION PECULIAR EQUIPMENT		13,001		10,375		-2,626
32	FIRST DESTINATION TRANSPORTATION (AMMO)		17,528		17,528		
33	CLOSEOUT LIABILITIES		101		101		
	TOTAL, AMMUNITION		2,054,429		1,897,678		-156,751
	AMMUNITION PRODUCTION BASE SUPPORT						
	PRODUCTION BASE SUPPORT						
34	INDUSTRIAL FACILITIES		499,613		749,613		+250,000
35	CONVENTIONAL MUNITIONS DEMILITARIZATION		80,970		80,970		
36	ARMS INITIATIVE		4,039		4,039		
	TOTAL, AMMUNITION PRODUCTION BASE SUPPORT		584,622		834,622		+250,000
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY		2,639,051		2,732,300		+93,249

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	CTG, 5.56MM, All Types	59,447	46,309	- 13,138
	Excess to need: CTG, 5.56mm Blank, M200, Single Round			- 2,108
	Excess to need: CTG, 5.56mm 4 Ball EPR, M855A1 /1 TR M856A1 Linked			- 6,255
	Excess to need: CTG, 5.56mm Ball, M855A1 EPR, Clipped Mil Pack			- 4,775
2	CTG, 7.62MM, All Types	90,019	73,716	- 16,303
	Excess to need: CTG, 7.62mm Ball M80A1 LeadFree, w/M13 Link			- 1,075
	Excess to need: CTG, 7.62mm 4 Ball M80A1/1 Trcr M62A1 LeadFree			- 15,228
3	NEXT GENERATION SQUAD WEAPON AMMUNITION	128,662	64,331	- 64,331
	Reduce carryover			- 64,331
6	CTG, 20mm, All Types	11,761	21,761	+ 10,000
	Program increase: 20mm medium caliber ammunition			+ 10,000
7	CTG, 25mm, All Types	10,270	6,847	- 3,423
	Excess to need			- 3,423
8	CTG, 30mm, All Types	143,045	137,209	- 5,836
	Excess to need: CTG, 30mm TP, M788, Single, f/Gun M230			- 5,836
13	Cartridges, Tank, 105MM And 120MM, All Types	296,943	260,606	- 36,337
	Excess to need: CTG, 120mm Tank, M1002 TP MULTI PUR-TRACE (TPMP-T)			- 15,925
	Excess to need: CTG, 120mm Tank TPCSDS-T, M865			- 20,412
15	ARTILLERY PROJECTILE, 155MM, All Types	182,455	187,655	+ 5,200
	Program increase: M825A1			+ 5,200
20	Close Terrain Shaping Obstacle	53,579	29,041	- 24,538
	Prior year underexecution			- 24,538
24	Demolition Munitions, All Types	29,796	26,199	- 3,597
	Excess to need: Charge, Demo Shaped 40 lb, M3			- 3,597
30	Items Less Than \$5 Million (AMMO)	19,921	18,099	- 1,822
	Prior year underexecution			- 890
	Excess to need: CTG, .30cal Blank, M1909, Single			- 932
31	Ammunition Peculiar Equipment	13,001	10,375	- 2,626
	Prior year underexecution			- 2,626
34	Industrial Facilities	499,613	749,613	+ 250,000
	Program increase			+ 250,000

Army Ammunition Plant Modernization.—The Committee notes the Department of the Army's submission of the March 2022 Army Ammunition Plant Modernization Plan, which outlines more than \$3,800,000,000 in modernization requirements over the Future Years Defense Program. Many of these investments are critical to ensuring increased manufacturing safety, future readiness, and improved sustainability across multiple Department of Defense ammunition programs. The Committee recommends an additional \$250,000,000 to accelerate these modernization programs in fiscal year 2023.

The Committee directs that none of these funds may be obligated or expended until 30 days after the Secretary of the Army provides a detailed spend plan to the congressional defense committees detailing planned obligations by project, to include any changes from prior year spend plans provided to the Committee. Further, with submission of the fiscal year 2024 President's budget request, the

Secretary of the Army is directed to submit an updated Army Ammunition Plant Modernization Plan that clearly identifies modernization requirements that are funded in the fiscal year 2024 budget request, requirements planned for inclusion in the Future Years Defense Program, and requirements that remain unfunded.

Aligning Munitions Requirements with Acquisition.—The Committee notes its past direction for the Secretary of the Army to align proposed munitions acquisition activities with requirements. Consistent with the Committee’s position in prior years, the recommendation does not support the procurement of munitions that are both in excess to the Army’s requirements and to the steady production rates.

OTHER PROCUREMENT, ARMY

Budget estimate, 2023	\$8,457,509,000
Committee recommendation	7,936,312,000

The Committee recommends an appropriation of \$7,936,312,000. This is \$521,197,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(Dollars in thousands)

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, ARMY						
	TACTICAL AND SUPPORT VEHICLES						
	TACTICAL VEHICLES						
2	SEMITRAILERS, FLATBED:		23,021		23,021		- 13,353
3	SEMITRAILERS, TANKERS		21,869		8,516		6,121
4	HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV)		6,121		6,121		+ 5,000
5	GROUND MOBILITY VEHICLES (GMV)		34,316		39,316		+ 90,000
7	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES		703,110		680,785		- 7,322
9	FAMILY OF MEDIUM TACTICAL VEH (FMTV)		74,086		164,086		+ 110,000
10	FAMILY OF COLD WEATHER ALL-TERRAIN VEHICLE (C)		23,772		16,450		- 4,673
11	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMEN		39,950		39,950		
12	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)		96,112		206,112		
13	PLS ESP		54,674		50,001		
16	MODIFICATION OF IN SVC EQUIP		31,819		31,819		
	NON-TACTICAL VEHICLES						
17	PASSENGER CARRYING VEHICLES		1,286		1,286		
18	NONTACTICAL VEHICLES, OTHER		15,059		12,059		- 3,000
	TOTAL, TACTICAL AND SUPPORT VEHICLES		1,125,195		1,279,522		+ 154,327
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMM—JOINT COMMUNICATIONS						
19	SIGNAL MODERNIZATION PROGRAM		179,853		167,058		- 12,795
20	TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE		382,007		304,644		- 77,363
22	DISASTER INCIDENT RESPONSE COMMS TERMINAL (DI		4,066		4,066		
23	JCSE EQUIPMENT (USREDCOM)		5,505		5,505		
	COMM—SATELLITE COMMUNICATIONS						
26	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS		107,228		107,228		
27	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS		119,259		113,305		- 5,954
28	SHF TERM		23,173		23,173		
29	ASSURED POSITIONING, NAVIGATION AND TIMING		184,911		148,892		- 36,019

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
30	EHF SATELLITE COMMUNICATION		5,853		5,853		
31	SMART-I (SPACE)		4,916		4,916		
32	GLOBAL BROADCAST SVC—GBS		3,179		3,179		
	COMM—COMBAT SUPPORT COMM						
	COMM—C3 SYSTEM						
34	COE TACTICAL SERVER INFRASTRUCTURE [TSI]		94,287		90,387		-3,900
	COMM—COMBAT COMMUNICATIONS						
35	HANDHELD MANPACK SMALL FORM FIT [HMS]		728,366		694,006		-34,360
37	ARMY LINK 16 SYSTEMS		47,581		43,521		-4,060
39	UNIFIED COMMAND SUITE		20,178		20,178		
40	COTS COMMUNICATIONS EQUIPMENT		320,595		245,811		-74,784
41	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE		7,621		7,621		
42	ARMY COMMUNICATIONS & ELECTRONICS		59,705		18,200		-41,505
	COMM—INTELLIGENCE COMM						
43	CI AUTOMATION ARCHITECTURE [MIP]		13,891		13,891		
45	MULTI-DOMAIN INTELLIGENCE		20,637		20,637		
	INFORMATION SECURITY						
46	INFORMATION SYSTEM SECURITY PROGRAM—ISSP		1,019		1,019		
47	COMMUNICATIONS SECURITY [COMSEC]		125,692		125,692		
49	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO		1,796		1,796		
51	BIOMETRIC ENABLING CAPABILITY [BEC]		816		816		
52	ARCYBER DEFENSIVE CYBER OPERATIONS		18,239		18,239		
	COMM—LONG HAUL COMMUNICATIONS						
54	BASE SUPPORT COMMUNICATIONS		10,262		15,262		+5,000
	COMM—BASE COMMUNICATIONS						
55	INFORMATION SYSTEMS		116,522		75,973		-40,549
56	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM		5,036		5,036		
59	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM		214,806		187,437		-27,369

ELECT EQUIP							
62	ELECT EQUIP—TACT INT REL ACT (TIARA)						
	TITAN	84,821					- 84,821
63	JTT/CIBS-M (MIP)	2,352					
64	TERRESTRIAL LAYER SYSTEMS (TLS)	88,915					- 80,542
66	DGCS-A INTEL	76,771					+ 9,963
67	JOINT TACTICAL GROUND STATION (JTGSJ-INTEL)	349					
68	TROJAN	20,562					
69	MOD OF IN-SVC EQUIP (INTEL SPT)	30,424					+ 20,000
70	BIOMETRIC TACTICAL COLLECTION DEVICES	2,269					
	ELECT EQUIP—ELECTRONIC WARFARE (EW)						
73	AIR VIGILANCE (AV)	5,688					
74	MULTI-FUNCTION ELECTRONIC WARFARE (MFEW) SYST	3,060					
76	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	19,519					- 7,807
77	C1 MODERNIZATION	437					
	ELECT EQUIP—TACTICAL SURV (TAC SURV)						
78	SENTINEL MODS	166,736					
79	NIGHT VISION DEVICES	424,253					- 40,024
80	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	11,357					
82	FAMILY OF WEAPON SIGHTS (FWS)	202,258					- 7,135
83	ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SE	5,116					
84	FORWARD LOOKING INFRARED (FLIR)	37,914					
85	COUNTER SMALL UNMANNED AERIAL SYSTEM (C-SUAS)	326,364					- 106,364
86	JOINT BATTLE COMMAND—PLATFORM (JBC-P)	186,515					
87	JOINT EFFECTS TARGETING SYSTEM (JETS)	10,304					- 7,728
88	COMPUTER BALLISTICS: LHMCB XM32	3,038					
89	MORTAR FIRE CONTROL SYSTEM	4,879					
90	MORTAR FIRE CONTROL SYSTEM MODIFICATIONS	4,370					
91	COUNTERFIRE RADARS	162,208					
	ELECT EQUIP—TACTICAL C2 SYSTEMS						
92	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE	60,455					
93	FIRE SUPPORT C2 FAMILY	9,676					
94	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD)	72,619					
95	IAMD BATTLE COMMAND SYSTEM	438,967					
96	LIFE CYCLE SOFTWARE SUPPORT (LCSS)	4,586					
97	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	37,199					
98	GLOBAL COMBAT SUPPORT SYSTEM—ARMY (GCSS-A)	4,102					
99	INTEGRATED PERSONNEL AND PAY SYSTEM—ARMY	6,926					

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
101	MOD OF IN-SERVICE EQUIPMENT [ENFIRE]		4,076		4,076		
	ELECT EQUIP—AUTOMATION						
102	ARMY TRAINING MODERNIZATION		8,033		8,033		
103	AUTOMATED DATA PROCESSING EQUIPMENT		96,554		96,554		
104	ACCESSIONS INFORMATION ENVIRONMENT [AIE]		43,767		19,500		-24,267
105	GENERAL FUND ENTERPRISE BUSINESS SYSTEM		97		97		
106	HIGH PERF COMPUTING MOD PROGRAM		73,655		88,655		+ 15,000
107	CONTRACT WRITING SYSTEM		17,701		4,075		- 13,626
108	CSS COMMUNICATIONS		88,141		60,879		- 27,262
111	BCT EMERGING TECHNOLOGIES		12,853		12,853		
999	CLASSIFIED PROGRAMS		1,596		1,596		
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		5,688,481		4,980,210		- 708,271
	OTHER SUPPORT EQUIPMENT						
	CHEMICAL DEFENSIVE EQUIPMENT						
113	BASE DEFENSE SYSTEMS [BDS]		47,960		40,716		- 7,244
114	CBRN DEFENSE		56,129		56,129		
	BRIDGING EQUIPMENT						
116	TACTICAL BRIDGING		13,785		11,408		- 2,377
118	BRIDGE SUPPLEMENTAL SET		6,774		439		- 6,335
119	COMMON BRIDGE TRANSPORTER RECAP		10,379		10,379		
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT						
124	ROBOTICS AND APPLIQUE SYSTEMS		52,340		52,340		
	COMBAT SERVICE SUPPORT EQUIPMENT						
127	HEATERS AND EGUS		7,672		7,672		
129	PERSONNEL RECOVERY SUPPORT SYSTEM [PRSS]		4,691		4,691		
130	GROUND SOLDIER SYSTEM		124,953		124,953		
131	MOBILE SOLDIER POWER		15,933		15,933		
132	FORCE PROVIDER				12,000		+ 12,000
134	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM		42,444		42,444		

136	ITEMS LESS THAN \$5M (ENG SPT)	4,155	4,155			
	PETROLEUM EQUIPMENT					
137	QUALITY SURVEILLANCE EQUIPMENT 18355	2,845	1,845			-1,000
138	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	26,433	26,433			
	MEDICAL EQUIPMENT					
139	COMBAT SUPPORT MEDICAL	75,606	80,606			+5,000
	MAINTENANCE EQUIPMENT					
140	MOBILE MAINTENANCE EQUIPMENT SYSTEMS	3,936	123,936			+120,000
	CONSTRUCTION EQUIPMENT					
147	ALL TERRAIN CRANES	31,341	31,341			
148	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)		10,000			+10,000
149	FAMILY OF DIVER SUPPORT EQUIPMENT	3,256	3,256			
150	CONST EQUIP ESP	9,104	9,104			
	RAIL FLOAT CONTAINERIZATION EQUIPMENT					
151	ARMY WATERCRAFT ESP	47,889	47,889			
152	MANEUVER SUPPORT VESSEL (MSV)	104,676	97,676			-7,000
153	ITEMS LESS THAN \$50M (FLOAT/RAIL)	10,131	10,131			
	GENERATORS					
154	GENERATORS AND ASSOCIATED EQUIPMENT	54,400	54,400			
155	TACTICAL ELECTRIC POWER RECAPITALIZATION	8,293	8,293			
	MATERIAL HANDLING EQUIPMENT					
156	FAMILY OF FORKLIFTS	8,819	8,819			
	TRAINING EQUIPMENT					
157	COMBAT TRAINING CENTERS SUPPORT	48,046	48,046			
158	TRAINING DEVICES, NONSYSTEM	201,966	199,669			-2,297
159	SYNTHETIC TRAINING ENVIRONMENT (STE)	255,670	155,670			-100,000
160	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING	9,546	9,546			
	TEST MEASURE AND DIG EQUIPMENT (TMD)					
162	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	36,514	36,514			
164	TEST EQUIPMENT MODERNIZATION (TEMOD)	32,734	32,734			
	OTHER SUPPORT EQUIPMENT					
166	PHYSICAL SECURITY SYSTEMS (OPA3)	102,556	117,556			+15,000
167	BASE LEVEL COM'L EQUIPMENT	31,417	31,417			
168	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	24,047	24,047			
169	BUILDING, PRE-FAB, RELOCATABLE	32,151	25,151			-7,000

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
170	SPECIAL EQUIPMENT FOR TEST AND EVALUATION		84,779		88,779		+4,000
	TOTAL, OTHER SUPPORT EQUIPMENT		1,633,370		1,666,117		+32,747
172	SPARE AND REPAIR PARTS INITIAL SPARES—C&E		10,463		10,463		
	TOTAL, OTHER PROCUREMENT, ARMY		8,457,509		7,936,312		-521,197

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
3	Semitrailers, tankers	21,869	8,516	- 13,353
	Early to need: Tactical fuel distribution system			- 4,553
	Reduce carryover: Bulk fuel distribution system			- 8,800
5	Ground Mobility Vehicles (GMV)	34,316	39,316	+ 5,000
	Program increase: Ground mobility vehicles			+ 5,000
7	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLE	703,110	680,785	- 22,325
	Unjustified growth: System technical support			- 9,854
	Engineering change proposals previously funded			- 7,368
	Early to need: Contractor management support			- 5,103
9	Family Of Medium Tactical Veh (FMTV)	74,086	164,086	+ 90,000
	Program increase			+ 90,000
10	Family of Cold Weather All-Terrain Vehicle (C)	23,772	16,450	- 7,322
	Prior year underexecution			- 7,322
12	Family Of Heavy Tactical Vehicles [FHTV]	96,112	206,112	+ 110,000
	Program increase			+ 110,000
13	PLS ESP	54,674	50,001	- 4,673
	Unit cost savings			- 4,673
18	NonTactical Vehicles, Other	15,059	12,059	- 3,000
	Prior year underexecution			- 3,000
19	Signal Modernization Program	179,853	167,058	- 12,795
	Excess to need: Spares			- 3,045
	Cost overestimation: TROPO refurbishment			- 2,000
	Early to need: TROPO HW			- 7,750
20	Tactical Network Technology Mod In Svc	382,007	304,644	- 77,363
	Quantities previously funded: Tech insertions			- 61,545
	Quantities previously funded: SATCOM Obsolescence ..			- 15,818
27	Transportable Tactical Command Communications	119,259	113,305	- 5,954
	Program increase: Expeditionary energy efficient shel-			+ 4,000
	ters			+ 4,000
	Program increase: Satellite communications terminals			- 13,954
	Reduce carryover			- 36,019
29	Assured Positioning, Navigation and Timing	184,911	148,892	- 36,019
	Early to need: MAPS Gen II			- 36,019
34	COE Tactical Server Infrastructure (TSI)	94,287	90,387	- 3,900
	Unjustified growth: Software license maintenance			- 3,900
35	Handheld Manpack Small Form Fit (HMS)	728,366	694,006	- 34,360
	Unit cost discrepancies: Manufacturing Leader Radio			- 26,586
	Early to need: Single-channel data radio			- 5,774
	Excess to need: Handheld radio systems engineering			- 2,000
37	ARMY LINK 16 SYSTEMS	47,581	43,521	- 4,060
	Unjustified request			- 4,060
40	COTS Communications Equipment	320,595	245,811	- 74,784
	Cost overestimation: Low cost tactical radio replace-			- 10,570
	ment			- 9,245
	Unjustified request: Warranties			- 59,969
	Unjustified request: ITN line-of-sight radios			+ 5,000
	Program increase: high frequency radios			- 41,505
42	Army Communications & Electronics	59,705	18,200	- 41,505
	Program decrease			- 41,505
54	Base Support Communications	10,262	15,262	+ 5,000
	Program increase: Communications systems			+ 5,000
55	Information Systems	116,522	75,973	- 40,549
	Reduce carryover			- 14,986
	Unjustified request			- 25,563
59	Installation Info Infrastructure Mod Program	214,806	187,437	- 27,369
	Unjustified request: SWA Network Modernization			- 27,369
62	TITAN	84,821		- 84,821
	Army requested transfer to RDTE,A line 140			- 50,900
	Army requested transfer to line 66			- 19,680

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Army identified ahead of need			-14,241
64	TERRESTRIAL LAYER SYSTEMS (TLS)	88,915	8,373	-80,542
	Army requested transfer to RDTE,A line 160			-38,000
	Early to Need			-42,542
66	DCGS-A-INTEL	76,771	86,734	+9,963
	Army requested transfer from line 62			+19,680
	Maintain program affordability: Capability drop modifications software			-9,717
69	MOD OF IN-SVC EQUIP (INTEL SPT)	30,424	50,424	+20,000
	Program increase: Enhanced signal processing kits			+10,000
	Program increase: Service tactical signal intelligence (SIGINT) upgrades			+10,000
76	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	19,519	11,712	-7,807
	Reduce carryover			-7,807
79	Night Vision Devices	424,253	384,229	-40,024
	IVAS program reduction			-350,024
	Program increase: ENVG-B			+300,000
	Program increase: Laser target locator module			+10,000
82	FAMILY OF WEAPON SIGHTS (FWS)	202,258	195,123	-7,135
	Reduce carryover: FWS-CS			-7,135
85	COUNTER SMALL UNMANNED AERIAL SYSTEM [C-SUAS]	326,364	220,000	-106,364
	Lack of acquisition strategy			-106,364
87	JOINT EFFECTS TARGETING SYSTEM (JETS)	10,304	2,576	-7,728
	Program reduction			-7,728
104	ACCESSIONS INFORMATION ENVIRONMENT (AIE)	43,767	19,500	-24,267
	Maintaining acquisition accountability			-24,267
106	High Perf Computing Mod Pgm (HPCMP)	73,655	88,655	+15,000
	Program increase: Computational research for engineering acquisition tools and environment			+15,000
107	Contract Writing System	17,701	4,075	-13,626
	Excess to need			-13,626
108	CSS Communications	88,141	60,879	-27,262
	Early to need			-27,262
113	Base Defense Systems (BDS)	47,960	40,716	-7,244
	Excess to need: IGSSR-C			-7,244
116	Tactical Bridging	13,785	11,408	-2,377
	Excess to need			-2,377
118	BRIDGE SUPPLEMENTAL SET	6,774	439	-6,335
	Reduce carryover			-6,335
132	Force Provider		12,000	+12,000
	Program increase: Expeditionary shelter protection systems			+12,000
137	QUALITY SURVEILLANCE EQUIPMENT	2,845	1,845	-1,000
	Contract savings: PEAK			-1,000
139	Combat Support Medical	75,606	80,606	+5,000
	Program increase: Future shelter systems			+5,000
140	Mobile Maintenance Equipment Systems	3,936	123,936	+120,000
	Program increase: Next Generation HMMWV shop equipment contact maintenance vehicle			+120,000
148	High Mobility Engineer Excavator (HMEE)		10,000	+10,000
	Program increase			+10,000
152	Maneuver Support Vessel (MSV)	104,676	97,676	-7,000
	Functional transfer to RDTE,A Line 111			-7,000
158	Training Devices, Nonsystem	201,966	199,669	-2,297
	Contract savings: NSTD ranges and targets			-2,297
159	Synthetic Training Environment (STE)	255,670	155,670	-100,000
	Early to need: STE-RVCT			-100,000
166	Physical Security Systems (OPA3)	102,556	117,556	+15,000
	Program increase: Physical Security equipment & Systems			+15,000
169	BUILDING, PRE-FAB, RELOCATABLE	32,151	25,151	-7,000
	Prior year underexecution			-7,000
170	Special Equipment for Test and Evaluation	84,779	88,779	+4,000
	Program increase: Cyber threat modeling			+4,000

Army Software Factory Code Resource and Transformation Environment.—The Committee commends the Commander, U.S. Army Futures Command, for successfully launching the Army Software Factory and creating the Code Resource and Transformation Environment [CReATE]. Modern ground forces will be increasingly reliant on software and the Army’s ability to rapidly deliver agile and resilient software capability will be a competitive advantage in future conflicts. The Committee notes that the Army Software Factory has begun to train soldiers in agile software development and partnered with the Army Chief Information Officer and Army Enterprise Cloud Management Agency [ECMA] to deliver a secure path to production in the Cloud for Army users around the globe. In parallel, the Army Software Factory, working with ECMA, operates CReATE, to provide accelerated access to secure, resilient, and scalable applications for soldiers. The Committee encourages the Secretary of the Army to provide the necessary resources to ensure success of these efforts.

AIRCRAFT PROCUREMENT, NAVY

Budget estimate, 2023	\$16,848,428,000
Committee recommendation	18,059,443,000

The Committee recommends an appropriation of \$18,059,443,000. This is \$1,211,015,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
AIRCRAFT PROCUREMENT, NAVY							
COMBAT AIRCRAFT							
1	F/A-18E/F (FIGHTER) HORNET [MYP]	13	90,865	16	90,865	.....	.....
2	JOINT STRIKE FIGHTER CV	.....	1,663,515	16	1,960,275	.....	+ 296,760
3	JOINT STRIKE FIGHTER CV [AP-CY]	.....	387,996	.....	2,244,496	.....	- 163,100
4	J5F STOVL	15	1,909,635	18	2,245,664	.....	+ 336,029
5	J5F STOVL [AP-CY]	.....	200,118	.....	200,118	.....	.....
6	CH-53K (HEAVY LIFT)	10	1,669,986	10	1,643,345	.....	- 26,641
7	CH-53K (HEAVY LIFT) [AP-CY]	.....	357,824	.....	357,824	.....	.....
8	V-22 (MEDIUM LIFT)	.....	31,795	5	651,095	.....	+ 619,300
11	P-8A POSEIDON	.....	41,521	.....	41,521	.....	.....
12	E-2D ADV HAWKEYE	5	842,401	5	835,862	.....	- 6,539
	TOTAL, COMBAT AIRCRAFT	.....	7,195,256	.....	8,251,065	.....	+ 1,055,809
TRAINER AIRCRAFT							
15	MULTI-ENGINE TRAINING SYSTEM (METS)	10	123,217	10	77,217	.....	- 46,000
	ADVANCED HELICOPTER TRAINING SYSTEM	26	119,816	26	119,816	.....	.....
	TOTAL, TRAINER AIRCRAFT	.....	243,033	.....	197,033	.....	- 46,000
OTHER AIRCRAFT							
16	KC-130J	5	439,501	5	439,501	.....	.....
17	KC-130J [AP-CY]	.....	29,122	.....	29,122	.....	.....
19	MQ-4 TRITON	3	587,820	3	584,192	.....	- 3,628
20	MQ-4 TRITON [AP-CY]	.....	75,235	.....	75,235	.....	.....
22	STUASLO UAV	.....	2,703	.....	2,703	.....	.....
23	MQ-25	4	696,713	4	696,713	.....	.....
24	MQ-25 [AP-CY]	.....	51,463	.....	51,463	.....	.....
25	MARINE GROUP 5 UAS	5	103,882	5	103,882	.....	.....

	1,986,439	1,982,811	-3,628
TOTAL, OTHER AIRCRAFT	1,986,439	1,982,811	-3,628
MODIFICATION OF AIRCRAFT			
27 F-18 A-D UNIQUE	141,514	141,514	.....
28 F-18EF AND EA-18G MODERNIZATION AND SUSTAIN	572,681	572,681	.....
29 MARINE GROUP 5 UAS SERIES	86,116	86,116	.....
30 AEA SYSTEMS	25,058	25,058	.....
31 AV-8 SERIES	26,657	26,657	.....
32 INFRARED SEARCH AND TRACK [IRST]	144,699	134,329	-10,370
33 ADVERSARY	105,188	105,188	.....
34 F-18 SERIES	480,663	475,136	-5,527
35 H-53 SERIES	40,151	40,151	.....
36 MH-60 SERIES	126,238	136,238	+ 10,000
37 H-1 SERIES	122,498	111,874	-10,624
38 EP-3 SERIES	8,492	8,492	.....
39 E-2 SERIES	188,897	188,897	.....
40 TRAINER A/C SERIES	9,568	9,568	.....
42 C-130 SERIES	132,170	130,880	-1,290
43 F4U6G	695	695	.....
44 CARGO/TRANSPORT A/C SERIES	10,902	10,902	.....
45 E-6 SERIES	129,049	129,049	.....
46 EXECUTIVE HELICOPTERS SERIES	55,265	55,265	.....
47 T-45 SERIES	201,670	201,670	.....
48 POWER PLANT CHANGES	24,685	24,685	.....
49 JPATS SERIES	19,780	19,780	.....
50 AVIATION LIFE SUPPORT MODS	1,143	1,143	.....
51 COMMON ECM EQUIPMENT	129,722	118,122	-11,600
52 COMMON AVIONICS CHANGES	136,883	128,120	-8,763
53 COMMON DEFENSIVE WEAPON SYSTEM	6,373	6,373	.....
54 ID SYSTEMS	3,828	3,828	.....
55 P-8 SERIES	249,342	249,342	.....
56 MAGTF EW FOR AVIATION	24,684	24,684	.....
57 MQ-8 SERIES	9,846	9,846	.....
58 V-22 (TILT/ROTOR AG-FT) OSPREY	207,621	205,528	-2,093
59 NEXT GENERATION JAMMER [NGJ]	401,563	468,763	+ 67,200
60 F-35 STOVL SERIES	216,356	162,700	-53,656
61 F-35 CV SERIES	208,336	138,361	-69,975
62 QUICK REACTION CAPABILITY [QRC]	47,864	47,864	.....
63 MQ-4 SERIES	94,738	74,738	-20,000

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
64	RQ-21 SERIES		6,576		6,576		
	TOTAL, MODIFICATION OF AIRCRAFT		4,397,511		4,280,813		- 116,698
72	AIRCRAFT SPARES AND REPAIR PARTS		1,872,417		2,172,417		+ 300,000
	SPARES AND REPAIR PARTS						
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
69	COMMON GROUND EQUIPMENT		542,214		542,214		
70	AIRCRAFT INDUSTRIAL FACILITIES		101,559		101,559		
71	WAR CONSUMABLES		40,316		40,316		
72	OTHER PRODUCTION CHARGES		46,403		46,403		
73	SPECIAL SUPPORT EQUIPMENT		423,280		444,812		+ 21,532
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES		1,153,772		1,175,304		+ 21,532
	TOTAL, AIRCRAFT PROCUREMENT, NAVY		16,848,428		18,059,443		+ 1,211,015

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
2	Joint Strike Fighter CV	1,663,515	1,960,275	+ 296,760
	Program increase: 3 additional Marine Corps F-35C aircraft			+ 313,600
	NRE excess to need			- 16,840
3	Joint Strike Fighter CV	387,596	224,496	- 163,100
	Economic order quantity unjustified request			- 163,100
4	JSF STOVL	1,909,635	2,245,664	+ 336,029
	Program increase: 3 additional Marine Corps F-35B aircraft			+ 357,600
	NRE excess to need			- 21,571
6	CH-53K (Heavy Lift)	1,669,986	1,643,345	- 26,641
	Program increase: Cargo internal handling system			+ 3,700
	Engineering change orders excess growth			- 30,341
8	V-22 (Medium Lift)	31,795	651,095	+ 619,300
	Program increase: Five aircraft			+ 500,000
	Program increase: Nacelle Improvements and Common Config Block Upgrade			+ 119,300
12	E-2D Adv Hawkeye	842,401	835,862	- 6,539
	Non-recurring excess growth			- 6,539
14	Multi-Engine Training System (METS)	123,217	77,217	- 46,000
	Lack of acquisition details			- 46,000
19	MQ-4 Triton	587,820	584,192	- 3,628
	Production engineering cost growth			- 3,628
32	Infrared Search and Track [IRST]	144,699	134,329	- 10,370
	Reduction in units			- 10,370
34	F-18 Series	480,663	475,136	- 5,527
	H22 funding early to need			- 5,527
36	MH-60 Series	126,238	136,238	+ 10,000
	Program increase: MH-60 SLEP			+ 10,000
37	H-1 Series	122,498	111,874	- 10,624
	Link 16 installs early to need			- 10,624
42	C-130 Series	132,170	130,880	- 1,290
	LAIRCM A-kits installs previously funded			- 1,290
51	Common ECM Equipment	129,722	118,122	- 11,600
	ALQ-214 installs ahead of need			- 11,600
52	Common Avionics Changes	136,883	128,120	- 8,763
	Installation equipment NRE previously funded			- 5,000
	Reduce cost growth for secure comms equipment			- 3,763
58	V-22 (Tilt/Rotor ACFT) Osprey	207,621	205,528	- 2,093
	Lack of detail for other support cost growth			- 2,093
59	Next Generation Jammer [NGJ]	401,563	468,763	+ 67,200
	Program increase: Additional shipsets			+ 67,200
60	F-35 STOVL Series	216,356	162,700	- 53,656
	TR-3 delays			- 53,656
61	F-35 CV Series	208,336	138,361	- 69,975
	TR-3 delays			- 69,975
63	MQ-4 Series	94,738	74,738	- 20,000
	Excessive install cost on delta upgrades			- 20,000
68	Spares and Repair Parts	1,872,417	2,172,417	+ 300,000
	Program increase: Aviation spares			+ 300,000
73	Special Support Equipment	423,280	444,812	+ 21,532
	Program increase			+ 54,000
	Classified adjustment			- 32,468

V-22 Aircraft.—The Committee recommends an additional \$500,000,000 for four CMV-22 aircraft to complete the Navy's program of record for carrier onboard delivery and one additional MV-22 for the Marine Corps.

WEAPONS PROCUREMENT, NAVY

Budget estimate, 2023	\$4,738,705,000
Committee recommendation	4,850,198,000

The Committee recommends an appropriation of \$4,850,198,000. This is \$111,493,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
WEAPONS PROCUREMENT, NAVY							
BALLISTIC MISSILES							
1	TRIDENT II MODS		1,125,164		1,125,164		
SUPPORT EQUIPMENT AND FACILITIES							
2	MISSILE INDUSTRIAL FACILITIES		7,767		7,767		
TOTAL, BALLISTIC MISSILES							
			1,132,931		1,132,931		
OTHER MISSILES							
3	TOMAHAWK	40	160,190	55	185,690	+15	+25,500
4	AMRAAM	337	335,900	337	335,900		
5	SIDEWINDER	128	63,288	128	63,288		
6	STANDARD MISSILE	125	489,123	125	489,123		
8	JASSM	31	58,481				
9	SMALL DIAMETER BOMB II	481	108,317	481	104,421		-58,481
10	RAM	100	92,131	100	92,131		-3,896
11	JOINT AIR GROUND MISSILE [JAGM]	293	78,395	293	78,395		
12	HELLFIRE	110	6,603	110	6,603		
13	AERIAL TARGETS		183,222		183,222		
14	DRONES AND DECOYS	61	62,930				-62,930
15	OTHER MISSILE SUPPORT		3,524		3,524		
16	LRASM	60	226,022	60	238,022		+12,000
17	NAVAL STRIKE MISSILE [NSM]	36	59,034	36	59,034		
MODIFICATION OF MISSILES							
18	TOMAHAWK MODS		435,308		435,308		
19	ESSM	136	282,035	136	276,335		-5,700
20	AARGM	69	131,275	69	181,275		+50,000
21	STANDARD MISSILES MODS		71,198		71,198		
22	WEAPONS INDUSTRIAL FACILITIES		1,976		6,976		+5,000
23	INDUSTRIAL PREPAREDNESS				150,000		+150,000

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
25	ORDNANCE SUPPORT EQUIPMENT		40,793		40,793		
	TOTAL, OTHER MISSILES		2,889,745		3,001,238		+ 111,493
	TORPEDOES AND RELATED EQUIPMENT						
26	SSTD		3,789		3,789		
27	MK-48 TORPEDO	28	151,128	28	151,128		
28	ASW TARGETS		14,403		14,403		
29	MK-54 TORPEDO MODS		106,772		106,772		
30	MK-48 TORPEDO ADCAP MODS		18,502		18,502		
31	MARITIME MINES		9,282		9,282		
32	TORPEDO SUPPORT EQUIPMENT		87,044		87,044		
33	ASW RANGE SUPPORT		3,965		3,965		
34	FIRST DESTINATION TRANSPORTATION		5,315		5,315		
	TOTAL, TORPEDOES AND RELATED EQUIPMENT		400,200		400,200		
	OTHER WEAPONS						
35	SMALL ARMS AND WEAPONS		13,859		13,859		
36	CWS MODS		2,655		2,655		
37	COAST GUARD WEAPONS		34,259		34,259		
38	GUN MOUNT MODS		81,725		81,725		
39	LCS MODULE WEAPONS		4,580		4,580		
40	AIRBORNE MINE NEUTRALIZATION SYSTEMS		8,710		8,710		
	TOTAL, OTHER WEAPONS		145,788		145,788		
42	SPARES AND REPAIR PARTS		170,041		170,041		
	TOTAL, WEAPONS PROCUREMENT, NAVY		4,738,705		4,850,198		+ 111,493

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
3	Tomahawk	160,190	185,690	+ 25,500
	Program increase: Fifteen additional Tomahawks			+ 25,500
8	JASSM	58,481		- 58,481
	Marine Corps requested transfer to line 16			- 12,000
	Navy requested transfer to RDTE, Navy line 93			- 46,481
9	Small Diameter Bomb II	108,317	104,421	- 3,896
	Unit cost growth: AUR			- 3,896
14	Drones And Decoys	62,930		- 62,930
	Unjustified request			- 62,930
16	LRASM	226,022	238,022	+ 12,000
	Marine Corps requested transfer from line 8			+ 12,000
19	ESSM	282,035	276,335	- 5,700
	Unit cost adjustment			- 5,700
20	AARGM	131,275	181,275	+ 50,000
	Program increase: AARGM-ER			+ 50,000
22	Weapons Industrial Facilities	1,976	6,976	+ 5,000
	Program increase			+ 5,000
23	Industrial Preparedness		150,000	+ 150,000
	Program increase: Capacity expansion			+ 150,000

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

Budget estimate, 2023	\$1,052,292,000
Committee recommendation	1,119,954,000

The Committee recommends an appropriation of \$1,119,954,000. This is \$67,662,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROC AMMO, NAVY						
	NAVY AMMUNITION						
	PROCUREMENT OF AMMO, NAVY & MARINE CORPS						
1	GENERAL PURPOSE BOMBS		47,198		35,159		-12,039
2	JDAM	3037	76,688	3,037	76,688		
3	AIRBORNE ROCKETS, ALL TYPES		70,005		70,005		
4	MACHINE GUN AMMUNITION		20,586		17,366		-3,220
5	PRACTICE BOMBS		51,109		42,105		-9,004
6	CARTRIDGES & CART ACTUATED DEVICES		72,534		72,534		
7	AIR EXPENDABLE COUNTERMEASURES		114,475		108,859		-5,616
8	JATOS		7,096		7,096		
9	5 INCH/54 GUN AMMUNITION		30,018		30,018		
10	INTERMEDIATE CALIBER GUN AMMUNITION		40,089		40,089		
11	OTHER SHIP GUN AMMUNITION		42,707		42,707		
12	SMALL ARMS & LANDING PARTY AMMO		49,023		45,971		-3,052
13	PYROTECHNIC AND DEMOLITION		9,480		9,480		
14	AMMUNITION LESS THAN \$5 MILLION		1,622		1,622		
14A	EXPEDITIONARY LOTTERING MUNITIONS				150,000		+150,000
	TOTAL, PROC AMMO, NAVY		632,630		749,699		+117,069
15	PROC AMMO, MARINE CORPS						
15	MORTARS		71,214		71,214		
16	DIRECT SUPPORT MUNITIONS		65,169		52,241		-12,928
17	INFANTRY WEAPONS AMMUNITION		225,271		188,792		-36,479
18	COMBAT SUPPORT MUNITIONS		19,691		19,691		
19	AMMO MODERNIZATION		17,327		17,327		
20	ARTILLERY MUNITIONS		15,514		15,514		
21	ITEMS LESS THAN \$5 MILLION		5,476		5,476		
	TOTAL, PROC AMMO, MARINE CORPS		419,662		370,255		-49,407

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS .....	.....	1,052,292	.....	1,119,954	.....	+ 67,662

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	General Purpose Bombs	47,198	35,159	-12,039
	Excess to need: Q2181 Laser Guided Bombs CCG			-5,866
	Excess to need: Q2187 Laser Guided Bombs AFGs			-3,179
	Excess to need: Q2032 FMU-139 Electronic Fuze System			-2,994
4	Machine Gun Ammunition	20,586	17,366	-3,220
	Excess to need: 20MM Linkless, TP			-3,220
5	Practice Bombs	51,109	42,105	-9,004
	Prior year underexecution			-5,000
	Excess to need: Q1010 Mk-76			-2,779
	Excess to need: 20MM Linkless, TP-T			-1,225
7	Air Expendable Countermeasures	114,475	108,859	-5,616
	Program rephasing: IR Decoys			-5,616
12	Small Arms & Landing Party Ammo	49,023	45,971	-3,052
	Excess to need: 50 Cal LKD & Tracer			-3,052
14A	Expeditionary Loitering Munitions		150,000	+150,000
	Program increase: GOALKEEPER			+150,000
16	Direct Support Munitions	65,169	52,241	-12,928
	Excess to need: C386 CTG, 84MM, TP 552 (MAAWS)			-12,928
17	Infantry Weapons Ammunition	225,271	188,792	-36,479
	Excess to need: CTG, 5.56MM Marking M1042 Blue			-2,032
	Excess to need: CTG, 5.56MM Marking M1042 Red			-1,222
	Unjustified request: CTG, 5.56MM Ball			-33,225

SHIPBUILDING AND CONVERSION, NAVY

Budget estimate, 2023 \$27,917,854,000
 Committee recommendation 31,928,696,000

The Committee recommends an appropriation of \$31,928,696,000. This is \$4,010,842,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
SHIPBUILDING & CONVERSION, NAVY							
FLEET BALLISTIC MISSILE SHIPS							
1	COLUMBIA CLASS SUBMARINE		3,079,223		3,079,223		
2	COLUMBIA CLASS SUBMARINE [AP-CY]		2,778,553		2,778,553		
OTHER WARSHIPS							
3	CARRIER REPLACEMENT PROGRAM (CVN 80)		1,465,880		1,465,880		- 15,650
4	CARRIER REPLACEMENT PROGRAM (CVN 81)		1,052,024		1,052,024		
5	VIRGINIA CLASS SUBMARINE	2	4,534,184	2	4,534,184		
6	VIRGINIA CLASS SUBMARINE [AP-CY]		2,025,651		2,025,651		
8	CVN REFUELING OVERHAULS [AP-CY]		618,295		612,081		- 6,214
9	DDG 1000		72,976		72,976		
10	DDG-51	2	4,376,537	3	6,946,537		+ 2,570,000
11	DDG-51 [AP-CY]		618,352		695,652		+ 77,300
13	FFG-FRIGATE	1	1,085,224	1	1,135,224		+ 50,000
14	FFG-FRIGATE [AP-CY]		74,949				- 74,949
	TOTAL, OTHER WARSHIPS		15,939,722		18,540,209		+ 2,600,487
AMPHIBIOUS SHIPS							
15	LPD FLIGHT II	1	1,673,000	1	1,673,000		
16	LPD FLIGHT II [AP-CY]				250,000		+ 250,000
20	LHA REPLACEMENT	1	1,085,470	1	1,374,470		+ 289,000
21	EXPEDITIONARY FAST TRANSPORT			2	645,000		+ 645,000
	TOTAL, AMPHIBIOUS SHIPS		2,758,470		3,942,470		+ 1,184,000
AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS							
22	TAO FLEET OILER	1	794,719	1	782,588		- 12,131
24	TOWING, SALVAGE, AND RESCUE SHIP (ATS)	1	95,915	1	95,915		
26	LGU 1700	5		5			
27	OUTFITTING		707,412		673,484		- 33,928
28	SHIP TO SHORE CONNECTOR	2	190,433	5	454,533		+ 264,100

29	SERVICE CRAFT		68,274			21,056		- 47,218
29A	AUXILIARY PERSONNEL LIGHTER (APL)	1				63,218		+ 63,218
30	LOAD SLEP	2	36,301		2	36,301		
31	AUXILIARY VESSELS	2	140,686		2	133,000		- 7,686
32	COMPLETION OF PY SHIPBUILDING PROGRAMS		1,328,146			1,328,146		
	TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM		3,361,886			3,588,241		+ 226,355
	TOTAL, SHIPBUILDING & CONVERSION, NAVY		27,917,854			31,928,696		+ 4,010,842

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
2	Columbia Class Submarine [AP-CY]	2,778,553	2,778,553	.....
	SSBN 827 AP (FF FY24-25)	[769,075]	[769,075]	.....
	SSBN 828 AP (FF FY26)	[1,090,054]	[1,090,054]	.....
	SSBN 829 AP (FF FY27)	[176,530]	[176,530]	.....
	SSBN 830 AP (FF FY28)	[35,054]	[35,054]	.....
	SSBN 831 AP (FF FY29)	[9,204]	[9,204]	.....
	SSBN 832 AP (FF FY30)	[10,990]	[10,990]	.....
	SSBN 833 AP (FF FY31)	[3,579]	[3,579]	.....
	SSBN 834 AP (FF FY32)	[2,040]	[2,040]	.....
	SSBN 835 AP (FF FY33)	[55]	[55]	.....
	SSBN 836 AP (FF FY34)	[55]	[55]	.....
	SSBN 837 AP (FF FY35)	[681,926]	[681,926]	.....
3	Carrier Replacement Program (CVN 80)	1,481,530	1,465,880	- 15,650
	Government-furnished equipment ahead of need .....	.....	.....	- 15,650
6	Virginia Class Submarine [AP-CY]	2,025,651	2,025,651	.....
	SSN 812 AP (FF FY24)	[402,096]	[402,096]	.....
	SSN 813 AP (FF FY24)	[402,096]	[402,096]	.....
	SSN 814 AP (FF FY25)	[610,730]	[610,730]	.....
	SSN 815 AP (FF FY25)	[610,730]	[610,730]	.....
8	CVN Refueling Overhauls [AP-CY]	618,295	612,081	- 6,214
	Unjustified electronics cost growth .....	.....	.....	- 6,214
10	DDG-51	4,376,537	6,946,537	+ 2,570,000
	Program increase: One additional DDG-51 .....	.....	.....	+ 2,190,000
	Program increase: Large surface combatant shipyard infrastructure .....	.....	.....	+ 380,000
11	DDG-51 [AP-CY]	618,352	695,652	+ 77,300
	Program increase: Advance procurement for additional DDG-51 .....	.....	.....	+ 77,300
13	FFG-Frigate	1,085,224	1,135,224	+ 50,000
	Program increase: Frigate industrial base and work-force development .....	.....	.....	+ 50,000
14	FFG-Frigate [AP-CY]	74,949	.....	- 74,949
	Advance procurement unjustified request .....	.....	.....	- 74,949
16	LPD Flight II [AP-CY] .....	.....	250,000	+ 250,000
	Program increase: Advance procurement for LPD 33 .....	.....	.....	+ 250,000
20	LHA Replacement	1,085,470	1,374,470	+ 289,000
	Program increase: Advance procurement for LHA 10 .....	.....	.....	+ 289,000
21	Expeditionary Fast Transport (EPF) .....	.....	645,000	+ 645,000
	Program increase: 2 additional Expeditionary Medical Ships (EMS) .....	.....	.....	+ 645,000
22	TAO Fleet Oiler	794,719	782,588	- 12,131
	Excessive cost growth .....	.....	.....	- 12,131
27	Outfitting	707,412	673,484	- 33,928
	Submarine post-delivery delays .....	.....	.....	- 33,928
28	Ship to Shore Connector	190,433	454,533	+ 264,100
	Program increase: 3 additional SSC .....	.....	.....	+ 264,100
29A	Auxiliary Personnel Lighter (APL)	47,218	63,218	+ 16,000
	Program increase: Auxiliary personnel lighter .....	.....	.....	+ 16,000
31	Auxiliary Vessels	140,686	133,000	- 7,686
	Unit cost overestimation .....	.....	.....	- 7,686

Submarine Construction Performance.—The Committee recognizes the critical strategic deterrence and undersea warfare capabilities that submarines contribute to our National security and fully supports the fiscal year 2023 President’s budget request for COLUMBIA Class submarines [CLB] and the VIRGINIA Class submarines [VCS]. However, the Committee continues to be con-

cerned by both the VCS construction cost and schedule performance and CLB schedule variances. The Committee notes that the fiscal year 2023 President's budget request includes funds for cost overruns of VCS submarines procured in fiscal year 2015 and in fiscal year 2016. The Committee further notes that this is the first time since fiscal year 2010 that the Navy has requested funding for the VCS program's construction-related performance overruns. The Committee is concerned by the Navy's lack of transparency in providing credible cost estimates and schedules, as well as the Navy's inability to adhere to cost estimates and construction build schedules, resulting in submarines delivering late and over budget. While the Navy is now providing more apparently credible schedules and cost estimates, the Committee remains concerned that past practices have all but guaranteed future budget requests for cost overruns. Therefore, the Secretary of the Navy is directed to submit to the congressional defense committees the most current cost and schedule estimates, by submarine, with the submission of future President's budget requests. The report shall also include detailed explanations for all submarines not fully resourced to the Navy's cost estimate and all projected cost-to-complete requirements for previously authorized and appropriated submarines.

Submarine Industrial Base.—The fiscal year 2023 President's budget request includes \$541,000,000 in COLUMBIA Class submarine and \$207,000,000 in the Industrial Base Analysis and Sustainment [IBAS] program to strengthen the submarine industrial base [SIB]. The request includes funds for supplier development, shipyard infrastructure, strategic outsourcing, workforce development, and technology opportunities. The Committee directs the Secretary of the Navy to submit a report to the congressional defense committees not later than 60 days after enactment of this act detailing how SIB and IBAS funding will be allocated to industry partners, State and local entities, and other partners, and clearly articulate how these investments will enable serial submarine production.

Domestic Source Content for Navy Shipbuilding Critical Components.—The Committee is concerned about the fragility of the domestic shipbuilding supplier base and the lack of comprehensive reporting regarding domestic sources to allow the Navy and Congress to better assess the health of the shipbuilding industrial base and particularly single and limited source critical suppliers. Therefore, with submission of the fiscal year 2024 President's budget request, the Secretary of the Navy is directed to submit to congressional defense committees a report in writing assessing the domestic source content of any procurements carried out as part of a Navy shipbuilding program; identifying critical components that are available from only one or a few suppliers in the United States; and, providing recommendations to expand productive capacity in the United States. In conducting this assessment, the Navy shall report according to the physical location of manufacturing of critical components, not by the location of sale. The report may be submitted in unclassified and classified format. Additionally, the Secretary shall establish an information repository for the collection of supplier information that can be used for continuous data analysis and program management activities.

The Committee is particularly concerned with the structuring of shipbuilding acquisition programs where initial acquisition cost of components may be prioritized, in some cases leading to selection of foreign components that do not meet specifications, incur higher life cycle costs, and negatively impact the domestic supplier base causing cost increases to these components provided to other Navy programs. Therefore, the Committee encourages the Secretary of the Navy to give priority to domestic sourcing for critical components on future programs, including programs in pre-systems acquisitions phase, such as DDG(X), where power requirements and reliability are paramount. Critical components are any communications, damage control, engineering, navigation, and seamanship equipment required to safely get or remain underway, and at a minimum should include: gas turbine and diesel main engines, generators, generator prime movers, main reduction gears, main propulsion shafting, and propellers and propeller castings.

OTHER PROCUREMENT, NAVY

Budget estimate, 2023	\$11,746,503,000
Committee recommendation	11,851,783,000

The Committee recommends an appropriation of \$11,851,783,000. This is \$105,280,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, NAVY						
	SHIPS SUPPORT EQUIPMENT						
	SHIP PROPULSION EQUIPMENT						
1	SURFACE POWER EQUIPMENT		46,478		46,478		
	GENERATORS						
2	SURFACE COMBATANT HM&E		84,615		84,615		
	NAVIGATION EQUIPMENT						
3	OTHER NAVIGATION EQUIPMENT		98,079		98,079		
	OTHER SHIPBOARD EQUIPMENT						
4	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG		266,300		266,300		
5	DDG MOD		770,341		728,741		-41,600
	FIREFIGHTING EQUIPMENT		19,687		19,687		
6	COMMAND AND CONTROL SWITCHBOARD		2,406		2,406		
7	COMMAND AND CONTROL SWITCHBOARD		38,200		38,200		
8	LHA/LHD MIDLIFE		20,028		20,028		
9	LCC 19/20 EXTENDED SERVICE LIFE PROGRAM		17,682		17,682		
10	POLLUTION CONTROL EQUIPMENT		117,799		117,799		
11	SUBMARINE SUPPORT EQUIPMENT		32,300		32,300		
12	VIRGINIA CLASS SUPPORT EQUIPMENT		15,238		17,238		+2,000
13	LCS CLASS SUPPORT EQUIPMENT		24,137		24,137		
14	SUBMARINE BATTERIES		54,496		54,496		
15	LPD CLASS SUPPORT EQUIPMENT		314,333		314,333		
16	DDG-1000 SUPPORT EQUIPMENT		13,504		13,504		
17	STRATEGIC PLATFORM SUPPORT EQUIP		3,660		3,660		
18	DSSP EQUIPMENT		59,054		59,054		
19	CRUISER MODERNIZATION		17,452		17,452		
20	LCAC		35,417		35,417		
21	UNDERWATER EOD PROGRAMS		60,812		60,812		
22	ITEMS LESS THAN \$5 MILLION		3,202		3,202		
23	CHEMICAL WARFARE DETECTORS						
24	SHIP MAINTENANCE, REPAIR AND MODERNIZATION		1,242,532		1,242,532		
25							

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
26	REACTOR PLANT EQUIPMENT						
27	REACTOR POWER UNITS		4,690		4,690		
	REACTOR COMPONENTS		408,989		408,989		
28	OCEAN ENGINEERING						
	DIVING AND SALVAGE EQUIPMENT		11,773		11,773		
29	SMALL BOATS						
	STANDARD BOATS		57,262		77,262		+ 20,000
30	PRODUCTION FACILITIES EQUIPMENT						
	OPERATING FORCES IPE		174,743		174,743		
31	OTHER SHIP SUPPORT						
	LCS COMMON MISSION MODULES EQUIPMENT		57,313		57,313		
32	LCS MCM MISSION MODULES		94,987		97,187		+ 2,200
33	LCS ASW MISSION MODULES		3,594		3,594		
34	LCS SUW MISSION MODULES		5,100		5,100		
35	LCS IN-SERVICE MODERNIZATION		76,526		76,526		
36	SMALL & MEDIUM UUV		49,763		49,763		
	TOTAL, SHIPS SUPPORT EQUIPMENT		4,302,492		4,285,092		- 17,400
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
37	SHIP SONARS						
	SPQ-9B RADAR		12,063		12,063		
38	AN/SQQ-89 SURF ASW COMBAT SYSTEM		141,591		141,591		
39	SSN ACOUSTICS EQUIPMENT		446,653		446,653		
40	UNDERSEA WARFARE SUPPORT EQUIPMENT		17,424		17,424		
	ASW ELECTRONIC EQUIPMENT						
41	SUBMARINE ACOUSTIC WARFARE SYSTEM		31,708		31,708		
42	SSID		14,325		14,325		
43	FIXED SURVEILLANCE SYSTEM		266,228		266,228		
44	SURTASS		25,030		25,030		

45	ELECTRONIC WARFARE EQUIPMENT	292,417	292,417	292,417	292,417	
	ANSLO-32					
	RECONNAISSANCE EQUIPMENT					
46	SHIPBOARD IW EXPLOIT	311,210	311,210	289,974	289,974	- 21,236
47	AUTOMATED IDENTIFICATION SYSTEM (AIS)	2,487	2,487	2,487	2,487	
	OTHER SHIP ELECTRONIC EQUIPMENT					
48	COOPERATIVE ENGAGEMENT CAPABILITY	34,500	34,500	33,200	33,200	- 1,300
49	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	19,038	19,038	19,038	19,038	
50	ATDLS	73,675	73,675	73,675	73,675	
51	NAVY COMMAND AND CONTROL SYSTEM (NCCS)	3,435	3,435	3,435	3,435	
52	MINESWEEPING SYSTEM REPLACEMENT	16,336	16,336	16,336	16,336	
54	NAVSTAR GPS RECEIVERS (SPACE)	30,439	30,439	30,439	30,439	
55	AMERICAN FORCES RADIO AND TV SERVICE	2,724	2,724	2,724	2,724	
56	STRATEGIC PLATFORM SUPPORT EQUIP	6,266	6,266	6,266	6,266	
	AVIATION ELECTRONIC EQUIPMENT					
57	ASHORE ATC EQUIPMENT	89,396	89,396	89,396	89,396	
58	AFLAOT ATC EQUIPMENT	86,732	86,732	86,732	86,732	
59	ID SYSTEMS	59,226	59,226	59,226	59,226	
60	JOINT PRECISION APPROACH AND LANDING SYSTEM	8,186	8,186	8,186	8,186	
61	NAVAL MISSION PLANNING SYSTEMS	26,778	26,778	26,778	26,778	
	OTHER SHORE ELECTRONIC EQUIPMENT					
62	MARITIME INTEGRATED BROADCAST SYSTEM	3,520	3,520	3,520	3,520	
63	TACTICAL/MOBILE C4I SYSTEMS	31,840	31,840	31,840	31,840	
64	DCGS-N	15,606	15,606	15,606	15,606	
65	CANES	402,550	402,550	402,550	402,550	
66	RADIAC	9,062	9,062	7,647	7,647	- 1,415
67	CANES-INTELL	48,665	48,665	48,665	48,665	
68	GPETE	23,479	23,479	23,479	23,479	
69	MASF	11,792	11,792	11,792	11,792	
70	INTEG COMBAT SYSTEM TEST FACILITY	6,053	6,053	6,053	6,053	
71	EMI CONTROL INSTRUMENTATION	4,219	4,219	4,219	4,219	
72	ITEMS LESS THAN \$5 MILLION	102,846	102,846	102,846	102,846	
	SHIPBOARD COMMUNICATIONS					
73	SHIPBOARD TACTICAL COMMUNICATIONS	36,941	36,941	36,941	36,941	
74	SHIP COMMUNICATIONS AUTOMATION	101,691	101,691	101,691	101,691	
75	COMMUNICATIONS ITEMS UNDER \$5M	55,290	55,290	55,290	55,290	

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
76	SUBMARINE COMMUNICATIONS		91,150		83,150		-8,000
77	SUBMARINE BROADCAST SUPPORT		74,569		74,569		
	SUBMARINE COMMUNICATION EQUIPMENT						
78	SATELLITE COMMUNICATIONS		39,827		39,827		
79	SATELLITE COMMUNICATIONS SYSTEMS		24,586		24,586		
	NAVY MULTIBAND TERMINAL [NMT]						
	SHORE COMMUNICATIONS						
80	JOINT COMMUNICATIONS SUPPORT ELEMENT [JCSE]		4,699		4,699		
	CRYPTOGRAPHIC EQUIPMENT						
81	INFO SYSTEMS SECURITY PROGRAM [ISSP]		156,034		156,034		
82	MIO INTEL EXPLOITATION TEAM		1,055		1,055		
	CRYPTOLOGIC EQUIPMENT						
83	CRYPTOLOGIC COMMUNICATIONS EQUIP		18,832		28,832		+ 10,000
	OTHER ELECTRONIC SUPPORT						
92	COAST GUARD EQUIPMENT		68,556		68,556		
	TOTAL COMMUNICATIONS AND ELECTRONICS EQUIPMENT		3,350,729		3,328,778		-21,951
	AVIATION SUPPORT EQUIPMENT						
	SONOBUOYS						
94	SONOBUOYS—ALL TYPES		291,670		291,670		
	AIRCRAFT SUPPORT EQUIPMENT						
95	MINOTAUR		5,247		5,247		
96	WEAPONS RANGE SUPPORT EQUIPMENT		106,209		106,209		
97	AIRCRAFT SUPPORT EQUIPMENT		275,461		275,461		
98	ADVANCED ARRESTING GEAR [AAG]		22,717		13,544		-9,173
99	ELECTROMAGNETIC AIRCRAFT LAUNCH SYSTEM		18,594		18,594		
100	METEOROLOGICAL EQUIPMENT		15,175		15,175		
101	LEGACY AIRBORNE MCM		4,689		4,689		
102	LAMPS EQUIPMENT		1,610		1,610		

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
124	PHYSICAL SECURITY VEHICLES		1,263		1,263		
	TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT		171,265		174,265		+ 3,000
125	SUPPLY SUPPORT EQUIPMENT		32,338		32,338		
126	FIRST DESTINATION TRANSPORTATION		6,255		6,255		
127	SPECIAL PURPOSE SUPPLY SYSTEMS		613,039		613,039		
	TOTAL, SUPPLY SUPPORT EQUIPMENT		651,632		651,632		
	PERSONNEL AND COMMAND SUPPORT EQUIPMENT						
128	TRAINING DEVICES		1,285		1,285		
129	TRAINING AND EDUCATION EQUIPMENT		44,618		44,618		
	COMMAND SUPPORT EQUIPMENT		55,728		55,728		
130	COMMAND SUPPORT EQUIPMENT		5,325		5,325		
131	MEDICAL SUPPORT EQUIPMENT		6,077		6,077		
133	NAVAL MIP SUPPORT EQUIPMENT		16,252		16,252		
134	OPERATING FORCES SUPPORT EQUIPMENT		6,497		6,497		
135	C4ISR EQUIPMENT		36,592		36,592		
136	ENVIRONMENTAL SUPPORT EQUIPMENT		118,598		118,598		
137	PHYSICAL SECURITY EQUIPMENT		29,407		29,407		
138	ENTERPRISE INFORMATION TECHNOLOGY		201,314		201,314		
142	NEXT GENERATION ENTERPRISE SERVICE		5,018		5,018		
143	CYBERSPACE ACTIVITIES		17,115		17,115		
144	CYBER MISSION FORCES		17,295		17,295		
999	CLASSIFIED PROGRAMS						
	TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT		561,121		561,121		

145	SPARES AND REPAIR PARTS .....	.....	532,313	.....	682,313	.....	+ 150,000
	TOTAL, OTHER PROCUREMENT, NAVY .....	.....	11,746,503	.....	11,851,783	.....	+ 105,280

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
5	DDG Mod	770,341	728,741	- 41,600
	AEGIS modernization testing early to need			- 5,600
	Planning early to need			- 36,000
13	LCS Class Support Equipment	15,238	17,238	+ 2,000
	Program increase: Bromine free water systems			+ 2,000
29	Standard Boats	57,262	77,262	+ 20,000
	Program increase: 40-foot patrol boat			+ 20,000
32	LCS MCM Mission Modules	94,987	97,187	+ 2,200
	Program increase			+ 2,200
46	Shipboard IW Exploit	311,210	289,974	- 21,236
	SSEE Increment F(V)7/8 ship—below deck and core excess to need			- 17,104
	SSEE Increment F(V)7/8 ship—infrastructure excess to need			- 4,132
48	Cooperative Engagement Capability	34,500	33,200	- 1,300
	Carryover			- 1,300
66	RADIAC	9,062	7,647	- 1,415
	Radiological Detection System previously funded			- 1,415
76	Submarine Broadcast Support	91,150	83,150	- 8,000
	Classified program adjustment			- 8,000
83	Cryptologic Communications Equip	18,832	28,832	+ 10,000
	Program increase: Service Tactical Signal Intelligence (SIGINT) upgrades			+ 10,000
98	Advanced Arresting Gear [AAG]	22,717	13,544	- 9,173
	Non-recurring engineering early to need			- 9,173
107	Ship Missile Support Equipment	286,788	287,592	+ 804
	Launcher Min-Mod Blk 2 capability hardware excess to need			- 1,196
	Program increase: Diesel fuel outboard motor testing			+ 2,000
119	Construction & Maintenance Equipment	50,619	53,619	+ 3,000
	Program increase: GPS laser leveling systems for the Seabees			+ 3,000
145	Spares and Repair Parts	532,313	682,313	+ 150,000
	Program increase: Maritime Spares Outfitting for surface, subsurface, unmanned, and cyber/information technology systems availability of shelf stock at point of use (includes Inventory Augmentation)			+ 150,000

DDG 51 Lightweight Advanced Degaussing Mine Protection System.—The Committee recognizes Section 124 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81) and urges the Secretary of the Navy to keep the congressional defense committees apprised of plans to meet this requirement.

PROCUREMENT, MARINE CORPS

Budget estimate, 2023	\$3,681,506,000
Committee recommendation	3,713,286,000

The Committee recommends an appropriation of \$3,713,286,000. This is \$31,780,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
PROCUREMENT, MARINE CORPS							
WEAPONS AND COMBAT VEHICLES							
TRACKED COMBAT VEHICLES							
1	AAV7A1 PIP	74	5,653		5,653		
2	AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES		536,678	74	527,079		-9,599
3	LAV PIP		57,099		53,715		-3,384
ARTILLERY AND OTHER WEAPONS							
4	155MM LIGHTWEIGHT TOWED HOWITZER		1,782		1,782		
5	ARTILLERY WEAPONS SYSTEM		143,808		143,808		
6	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION		11,118		11,118		
	TOTAL, WEAPONS AND COMBAT VEHICLES		756,138		743,155		-12,983
GUIDED MISSILES AND EQUIPMENT							
GUIDED MISSILES							
7	TOMAHAWK	13	42,958	13	42,958		
8	NAVAL STRIKE MISSILE (NSM)	115	174,369	54	81,893		-92,476
9	GROUND BASED AIR DEFENSE		173,801		173,801		
10	ANTI-ARMOR MISSILE—JAVELIN	4	18,495	4	16,678		-1,817
11	FAMILY OF ANTI-ARMOR WEAPON SYSTEMS		21,419		21,419		
12	ANTI-ARMOR MISSILE—TOW		663		663		
13	GUIDED MLRS ROCKET (GMLRS)	44	7,605	44	7,605		
	TOTAL, GUIDED MISSILES AND EQUIPMENT		439,310		345,017		-94,293
COMMUNICATIONS AND ELECTRONICS EQUIPMENT							
COMMAND AND CONTROL SYSTEMS							
14	COMMON AVIATION COMMAND AND CONTROL SYSTEM		30,292		30,292		
REPAIR AND TEST EQUIPMENT							
15	REPAIR AND TEST EQUIPMENT		58,024		54,684		-3,340

16	MODIFICATION KITS	293	293		293			
	OTHER SUPPORT (TEL)							
	COMMAND AND CONTROL							
17	ITEMS UNDER \$5 MILLION (COMM & ELEC)	83,345	93,345		93,345			+ 10,000
18	AIR OPERATIONS C2 SYSTEMS	11,048	11,048		11,048			
	RADAR + EQUIPMENT (NON-TEL)							
19	GROUND/AIR TASK ORIENTED RADAR	61,943	411,943	8	411,943	+ 8		+ 350,000
	INTEL/COMM EQUIPMENT (NON-TEL)							
20	GCSS-MC	1,663	1,663		1,663			
21	FIRE SUPPORT SYSTEM	48,322	44,822		44,822			- 3,500
22	INTELLIGENCE SUPPORT EQUIPMENT	182,894	150,864		150,864			- 32,030
24	UNMANNED AIR SYSTEMS (INTEL)	47,595	42,249		42,249			- 5,346
25	DCGS-MC	47,998	43,373		43,373			- 4,625
26	UAS PAYLOADS	8,619	8,619		8,619			
	OTHER SUPPORT (NON-TEL)							
29	MARINE CORPS ENTERPRISE NETWORK (MGEN)	276,763	245,788		245,788			- 30,975
30	COMMON COMPUTER RESOURCES	40,096	40,096		40,096			
31	COMMAND POST SYSTEMS	58,314	53,438		53,438			- 4,876
32	RADIO SYSTEMS	612,450	576,443		576,443			- 36,007
33	COMM SWITCHING & CONTROL SYSTEMS	51,976	51,976		51,976			
34	COMM & ELEC INFRASTRUCTURE SUPPORT	26,029	26,029		26,029			
35	CYBERSPACE ACTIVITIES	17,759	17,759		17,759			
36	CYBER MISSION FORCES	4,036	4,036		4,036			
	CLASSIFIED PROGRAMS	3,884	3,884		3,884			
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT	1,673,343	1,912,644		1,912,644			+ 239,301
	SUPPORT VEHICLES							
	ADMINISTRATIVE VEHICLES							
39	COMMERCIAL CARGO VEHICLES	35,179	33,161		33,161			- 2,018
	TACTICAL VEHICLES							
40	MOTOR TRANSPORT MODIFICATIONS	17,807	17,807		17,807			
41	JOINT LIGHT TACTICAL VEHICLE	222,257	214,751	413	214,751			- 7,506
43	TRAILERS	2,721	2,721		2,721			

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, SUPPORT VEHICLES		277,964		268,440		-9,524
	ENGINEER AND OTHER EQUIPMENT						
	ENGINEER AND OTHER EQUIPMENT						
45	TACTICAL FUEL SYSTEMS		7,854		7,854		
46	POWER EQUIPMENT ASSORTED		5,841		5,841		
47	AMPHIBIOUS SUPPORT EQUIPMENT		38,120		28,278		-9,842
48	EOD SYSTEMS		201,047		153,915		-47,132
	MATERIALS HANDLING EQUIPMENT						
49	PHYSICAL SECURITY EQUIPMENT		69,967		54,431		-15,536
	GENERAL PROPERTY						
50	FIELD MEDICAL EQUIPMENT		21,780		21,780		
51	TRAINING DEVICES		86,272		68,061		-18,211
52	FAMILY OF CONSTRUCTION EQUIPMENT		27,605		27,605		
53	ULTRA-LIGHT TACTICAL VEHICLE		15,033		15,033		
	OTHER SUPPORT						
54	ITEMS LESS THAN \$5 MILLION		26,433		26,433		
	TOTAL, ENGINEER AND OTHER EQUIPMENT		499,952		409,231		-90,721
54	SPARES AND REPAIR PARTS		34,799		34,799		
	TOTAL, PROCUREMENT, MARINE CORPS		3,681,506		3,713,286		+31,780

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
2	Amphibious Combat Vehicle Family of Vehicles	536,678	527,079	- 9,599
	Excess growth: Integrated Logistics Support			- 9,599
3	LAV PIP	57,099	53,715	- 3,384
	Unjustified request: TCM Kit Ancillary Equipment			- 3,384
8	Naval Strike Missile [NSM]	174,369	81,893	- 92,476
	Unexecutable request			- 92,476
10	Anti-Armor Missile-Javelin	18,495	16,678	- 1,817
	Unit cost savings			- 1,817
15	Repair and Test Equipment	58,024	54,684	- 3,340
	Unjustified growth: CBM+ Test Systems			- 3,340
17	Items Under \$5 Million (Comm & Elec)	83,345	93,345	+ 10,000
	Program increase: Squad Binocular Night Vision Gog- gle			+ 10,000
19	Ground/Air Task Oriented Radar (G/ATOR)	61,943	411,943	+ 350,000
	Program increase: Eight additional AN/TPS-80 G/ATOR radars			+ 350,000
21	Fire Support System	48,322	44,822	- 3,500
	Early to need: Mobile Shelter Modernization			- 3,500
22	Intelligence Support Equipment	182,894	150,864	- 32,030
	Unjustified request: Tactical SIGINT Collection System Reduce carryover			- 26,035
				- 5,995
24	Unmanned Air Systems (Intel)	47,595	42,249	- 5,346
	Excess to need: short range unmanned air systems ..			- 5,346
25	DCGS-MC	47,998	43,373	- 4,625
	Unjustified request: GEOINT capabilities			- 4,625
29	Marine Corps Enterprise Network (MCEN)	276,763	245,788	- 30,975
	Early to need: DPRI Network Infrastructure			- 12,232
	Excess growth: End User Devices			- 18,743
31	Command Post Systems	58,314	53,438	- 4,876
	Unjustified Request: H2C2			- 4,876
32	Radio Systems	612,450	576,443	- 36,007
	Cost savings: MBR II R/T 117G			- 770
	Unjustified request: Ground Link-16			- 16,400
	Unjustified request: Multi-channel Manpack Radio			- 32,837
	Program increase: Next Generation Troposcatter (NGT)			+ 14,000
39	Commercial Cargo Vehicles	35,179	33,161	- 2,018
	Unjustified request: Garrison Transportation and Man- agement			- 2,018
41	Joint Light Tactical Vehicle	222,257	214,751	- 7,506
	Unit cost overestimation			- 7,506
47	Amphibious Support Equipment	38,120	28,278	- 9,842
	Early to need: TRUAS			- 9,842
48	EOD Systems	201,047	153,915	- 47,132
	Quantities previously funded: MFEW Mounted Systems			- 10,338
	Early to need: MEGFoS			- 36,794
49	Physical Security Equipment	69,967	54,431	- 15,536
	Early to Need: Collateral Equipment			- 15,536
51	Training Devices	86,272	68,061	- 18,211
	Unjustified growth			- 18,211

AIRCRAFT PROCUREMENT, AIR FORCE

Budget estimate, 2023	\$18,517,428,000
Committee recommendation	20,704,120,000

The Committee recommends an appropriation of \$20,704,120,000. This is \$2,186,692,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
AIRCRAFT PROCUREMENT, AIR FORCE							
COMBAT AIRCRAFT							
1	B-21 RAIDER		1,498,431		1,298,431		-200,000
2	B-21 RAIDER [AP-CY]		288,165		288,165		
TACTICAL FORCES							
3	F-35	33	3,320,757	33	3,344,024		+23,267
4	F-35 [AP-CY]		594,886		235,802		-359,084
5	F-15EX	24	2,422,348	24	2,317,368		-104,980
6	F-15EX [AP-CY]		264,000		264,000		
	TOTAL, COMBAT AIRCRAFT		8,388,587		7,747,790		-640,797
AIRLIFT AIRCRAFT/TACTICAL AIRLIFT							
7	KC-46A TANKER	15	2,684,503	15	2,407,492		-277,011
OTHER AIRLIFT							
8	C-130J		75,293	16	1,775,293	+16	+1,700,000
9	MC-130J		40,351		40,351		
	TOTAL, AIRLIFT AIRCRAFT		2,800,147		4,223,136		+1,422,989
TRAINER AIRCRAFT							
11	ADVANCED TRAINER REPLACEMENT T-X		10,507		10,507		
OTHER AIRCRAFT							
HELICOPTERS							
12	MH-139A	5	156,192	5	206,192		+50,000
13	COMBAT RESCUE HELICOPTER	10	707,018	20	1,005,995	+10	+298,977
MISSION SUPPORT AIRCRAFT							
15	CIVIL AIR PATROL A/C		2,952		11,600		+8,648

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
OTHER AIRCRAFT							
16	TARGET DRONES	27	128,906	27	128,906		
17	COMPASS CALL			4	553,700		+ 4
18	E-11 BACN/HAG	1	67,260	1	66,847		+ 553,700
19	MQ-9		17,039		17,039		- 413
21	AGILITY PRIME PROCUREMENT	5	3,612	5	3,612		
	TOTAL, OTHER AIRCRAFT		1,082,979		1,993,891		+ 910,912
MODIFICATION OF INSERVICE AIRCRAFT							
STRATEGIC AIRCRAFT							
22	B-2A		106,752		89,217		- 17,535
23	B-1B		36,313		36,313		
24	B-52		127,854		120,909		- 6,945
25	LARGE AIRCRAFT INFRARED COUNTERMEASURES		25,286		25,286		
TACTICAL AIRCRAFT							
26	A-10		83,972		83,972		
27	E-11 BACN/HAG		10,309		20,609		+ 10,300
28	F-15		194,379		194,379		
29	F-16		700,455		630,376		- 70,079
30	F-22A		764,222		764,222		
31	F-35 MODIFICATIONS		414,382		260,673		- 153,709
32	F-15 EPAW	19	259,837	19	259,837		
34	KC-46A MODS		467		467		
AIRLIFT AIRCRAFT							
35	C-5		46,027		15,673		- 30,354
36	C-17A		152,009		142,653		- 9,356
37	C-32A		4,068		4,068		
38	C-37A		6,062		6,062		
TRAINER AIRCRAFT							
39	GLIDER MODS		149		149		

40	I-6	.....	6,215	.....	6,215	.....	.....	.....
41	T-1	.....	6,262	.....	6,262	.....	.....	.....
42	T-38	.....	111,668	.....	81,035	.....	.....	- 30,633
	OTHER AIRCRAFT	.....					
44	U-2 MODS	.....	81,650	.....	81,650	.....	.....	.....
45	KC-10A (ATCA)	.....	3,443	.....	1,722	.....	.....	- 1,721
46	C-21	.....	2,024	.....	2,024	.....	.....	.....
47	VC-25A MOD	.....	2,146	.....	2,146	.....	.....	.....
48	C-40	.....	2,197	.....	49,197	.....	.....	+ 47,000
49	C-130	.....	114,268	.....	161,402	.....	.....	+ 47,134
50	C-130J MODS	.....	112,299	.....	112,299	.....	.....	.....
51	C-135	.....	149,023	.....	161,432	.....	.....	+ 12,409
52	COMPASS CALL MODS	.....	16,630	.....	327,330	.....	.....	+ 310,700
53	RC-135	.....	212,828	.....	213,428	.....	.....	+ 600
54	E-3	.....	54,247	.....	54,247	.....	.....	.....
55	E-4	.....	16,610	.....	5,973	.....	.....	.....
56	E-8	.....	1,757	.....	1,757	.....	.....	- 16,610
59	H-1	.....	10,820	.....	10,820	.....	.....	.....
60	H-60	.....	3,083	.....	3,083	.....	.....	.....
61	COMBAT RESCUE HELICOPTER MODIFICATION	.....	1,286	.....	1,286	.....	.....	.....
62	RQ-4 UAV MODS	.....	138,956	.....	109,785	.....	.....	- 29,171
63	HC/MC-130 MODIFICATIONS	.....	29,029	.....	41,796	.....	.....	+ 12,767
64	OTHER AIRCRAFT	.....	64,370	.....	211,507	.....	.....	+ 147,137
65	MQ-9 MODS	.....	24,784	.....	24,784	.....	.....	.....
67	SENIOR LEADER C3, SYSTEM-AIRCRAFT	.....	153,026	.....	153,026	.....	.....	.....
68	CV-22 MODS	.....	4,257,137	.....	4,479,071	.....	.....	+ 221,934
	TOTAL, MODIFICATION OF INSERVICE AIRCRAFT	.....	623,661	.....	707,921	.....	.....	+ 84,260
69	AIRCRAFT SPARES AND REPAIR PARTS	.....	623,661	.....	707,921	.....	.....	+ 84,260
	INITIAL SPARES/REPAIR PARTS	.....	623,661	.....	707,921	.....	.....	+ 84,260
	TOTAL, AIRCRAFT SPARES AND REPAIR PARTS	.....	138,935	.....	138,935	.....	.....	.....
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	.....					
	COMMON SUPPORT EQUIPMENT	.....					
70	AIRCRAFT REPLACEMENT SUPPORT EQUIP	.....					

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	POST PRODUCTION SUPPORT						
71	B-2A		1,802		1,802		
72	B-2B		36,325		36,325		
73	B-52		5,883		5,883		
73	C-5 POST PRODUCTION SUPPORT				18,000		+ 18,000
73	HC/MC-130J POST PRODUCTION SUPPORT				20,000		+ 20,000
74	F-15		2,764		2,764		
75	F-16 POST PRODUCTION SUPPORT		5,102		5,102		
77	M09 POST PROD		7,069		7,069		
78	RQ-4 POST PRODUCTION CHARGES		40,845		40,845		
	INDUSTRIAL RESPONSIVENESS						
79	INDUSTRIAL RESPONSIVENESS		19,128		19,128		
	WAR CONSUMABLES						
80	WAR CONSUMABLES		31,165		31,165		
	OTHER PRODUCTION CHARGES						
81	OTHER PRODUCTION CHARGES		1,047,300		1,196,694		+ 149,394
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		1,336,318		1,523,712		+ 187,394
	CLASSIFIED PROGRAMS						
	CLASSIFIED PROGRAMS		18,092		18,092		
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE		18,517,428		20,704,120		+ 2,186,692

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	B-21 Raider	1,498,431	1,298,431	-200,000
	Classified adjustment			-200,000
3	F-35	3,320,757	3,344,024	+23,267
	Air Force-requested realignment from line 4 for unit cost increase			+59,856
	NRE excess to need			-36,589
4	F-35 [AP-CY]	594,886	235,802	-359,084
	Air Force-requested realignment to line 3 for unit cost increase			-59,856
	Long-lead excess to need due to decreased out-year quantities			-56,044
	EOQ unjustified request			-243,184
5	F-15EX	2,422,348	2,317,368	-104,980
	Overestimation of initial spares			-28,200
	Unjustified growth-Other support costs			-76,780
7	KC-46A MDAP	2,684,503	2,407,492	-277,011
	Boom actuator ECP ahead of need			-63,412
	Air vehicle unit cost adjustment			-51,225
	G-SIL ahead of need			-129,274
	ATS forward financed			-33,100
8	C-130J	75,293	1,775,293	+1,700,000
	Program increase: 16 additional aircraft for the Air National Guard			+1,700,000
12	MH-139A	156,192	206,192	+50,000
	Program increase: MH-139A training systems and support equipment			+50,000
13	Combat Rescue Helicopter	707,018	1,005,995	+298,977
	Unjustified growth—obsolescence			-35,695
	Depot standup costs previously funded			-5,778
	Airframe unit cost adjustment			-12,100
	Other flyaway cost adjustment			-17,450
	Program increase: Ten additional aircraft			+370,000
15	Civil Air Patrol A/C	2,952	11,600	+8,648
	Program increase			+8,648
17	Compass Call		553,700	+553,700
	Program increase: Four additional EC-37B aircraft			+553,700
18	E-11 BACN/HAG	67,260	66,847	-413
	Air Force-requested realignment to line 64 for BACN			-413
22	B-2A	106,752	89,217	-17,535
	Adaptable communications suite ahead of need			-17,535
24	B-52	127,854	120,909	-6,945
	Air Force-requested realignment to line 69 for Crypto mod upgrade spares			-4,293
	Air Force-requested realignment to line 69 for VLF/LF spares			-2,652
27	E-11 BACN/HAG	10,309	20,609	+10,300
	Program increase			+10,300
29	F-16	700,455	630,376	-70,079
	MMC/PDG delays			-37,735
	Overestimation of SLEP induction rate			-32,344
31	F-35 Modifications	414,382	260,673	-153,709
	TR-3 delays			-144,846
	Block 4 interim contractor support unjustified growth			-8,863
35	C-5	46,027	15,673	-30,354
	Air Force-requested realignment to line 73A for maintenance training simulator			-18,000
	Air Force-requested realignment to line 64 for MAF training			-12,354
36	C-17A	152,009	142,653	-9,356

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	ARC-210 unit cost adjustment			-14,856
	Air Force-requested transfer from RDT&E, AF line 53 for engine pylon fairings and microvanes			+5,500
42	T-38	111,668	81,035	-30,633
	MFD/EED ahead of need			-30,633
45	KC-10A [ATCA]	3,443	1,722	-1,721
	Overestimation of service bulletins			-1,721
48	C-40	2,197	49,197	+47,000
	Program increase: C-40C FAA satellite communication upgrades			+25,000
	Program increase: C-40C LAIRCM upgrades			+12,000
	Program increase: C-40C SATCOM upgrades			+10,000
49	C-130	114,268	161,402	+47,134
	Unjustified growth—AMP Increment II other government costs			-7,151
	AMP Inc 2 kit buys exceed max LRIP quantity			-17,995
	Overestimation of AMP inc 2 install cost			-3,020
	Air Force-requested transfer from RDT&E, AF line 53 for finlets			+17,500
	Program increase: C-130H T-56 3.5 engine modification			+37,800
	Program increase: Improved modular airborne fire-fighting system			+20,000
51	C-135	149,023	161,432	+12,409
	Overestimation of annual block 45 installations			-5,562
	RPI A-kit delays			-1,529
	Air Force-requested transfer from RDT&E, AF line 53 for drag reduction and vertical windshield wipers ..			+19,500
52	Compass Call	16,630	327,330	+310,700
	Baseline 3 non-recurring engineering excess to need			-9,900
	Program increase: Four additional aircraft modifications			+320,600
53	RC-135	212,828	213,428	+600
	Program increase: Service Tactical Signal Intelligence (SIGINT) Upgrades			+600
56	E-8	16,610		-16,610
	Excess to need due to planned divestiture			-16,610
63	HC/MC-130 Modifications	138,956	109,785	-29,171
	MC/AC MUOS installations ahead of need			-9,171
	Air Force requested realignment to line 73B to establish a post production support line			-20,000
64	Other Aircraft	29,029	41,796	+12,767
	Air Force-requested realignment from line 35 for MAF training			+12,354
	Air Force-requested realignment from line 18 for BACN			+413
65	MQ-9 Mods	64,370	211,507	+147,137
	Link-16 kit buys ahead of need			-3,563
	Program increase: Multi-domain operations modernization			+150,700
69	Initial Spares/Repair Parts	623,661	707,921	+84,260
	HH-60W spares excess to need			-79,846
	KC-46A contract delay			-40,000
	Air Force-requested realignment from line 24 for Crypto mod upgrade spares			+4,293
	Air Force-requested realignment from line 24 for VLF/LF spares			+2,652
	Program increase: F135 engine spares			+93,000
	Program increase: EC-37B spare components			+9,361
	Program increase: EC-37B spare engines			+94,800
73A	C-5 Post Production Support		18,000	+18,000
	Air Force-requested realignment from line 35 for maintenance training simulator			+18,000
73B	HC/MC-130J Post Production Support		20,000	+20,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
81	Air Force-requested realignment from line 63 to establish a post production support line			+ 20,000
	Other Production Charges	1,047,300	1,196,694	+ 149,394
	Classified adjustment			+ 149,394

MH-139A.—The Committee strongly supports the replacement of the 63 UH-1N aircraft with the MH-139A as part of the Air Force’s nuclear enterprise reform efforts. The MH-139A will address capability gaps in the areas of speed, range, endurance, payload, and survivability in support of the command’s intercontinental ballistic missile missions. The Department of Defense Appropriations Act, 2022 (Public Law 117-103) provided \$141,360,000 for eight aircraft and the fiscal year 2023 President’s budget request includes \$156,192,000 for five aircraft. The Committee notes a shortfall for training systems, support equipment, and site activation to facilitate standup of the program’s formal training unit [FTU]. Therefore, the Committee recommends an additional \$50,000,000 for these efforts. Further, with the anticipated award of low-rate initial production in fiscal year 2023, the Secretary of the Air Force is encouraged to address the needs of the FTU expeditiously to ensure there is no gap in training capability as this platform is fielded.

Polar Tactical Airlift.—The Air National Guard currently maintains and operates a fleet of LC-130H aircraft that provide assured access to the polar regions in support of Presidential Decision Memorandum 6646 and the United States Northern Command’s [USNORTHCOM] mission requirements. The Committee notes that these aircraft still possess approximately 15 years of service life and are being upgraded with advanced avionics, eight-blade propellers and new engines. Given the ever increasing importance of the polar regions in our National defense strategy, and our adversary’s excursion into those regions, the Committee believes that this vital capability must be maintained, modernized, and eventually replaced in an appropriate and timely fashion.

Therefore, the Committee directs the Secretary of the Air Force to begin the requirements definition process for the follow-on aircraft to fulfill the polar tactical airlift mission set and recommends an additional \$1,000,000 to conduct the studies and analyses to inform those requirements. Further, the Committee directs the Secretary of the Air Force in coordination with the Commander, USNORTHCOM, and Director, Air National Guard, to submit to the congressional defense committees, not later than 120 days following enactment of this act, an initial cost estimate and capabilities review of C-130J aircraft and the associated modifications to fulfill the polar tactical airlift mission set.

Truncation of Existing Production Programs.—The fiscal year 2023 President’s budget request includes 10 Combat Rescue Helicopters [CRH], which is less than the 20 CRHs previously planned. Therefore, the Committee recommends an additional \$370,000,000 for 10 additional CRHs. It is concerning to the Committee that in the fiscal year 2023 President’s budget submission, both the F-15EX and CRH programs have been truncated across the Future

Years Defense Program [FYDP] well below their stated acquisition objectives. The revised plan sees the F-15EX planned procurement objective reduced from 144 to 80 and the CRH procurement objective reduced from 113 to 75. Both of these programs are in the relatively early stages of production and provide modern capabilities. While the Committee understands that trade-offs occur to support force modernization, truncating programs that only recently transitioned into production and were hailed as supporting critical Air Force missions, such as personnel recovery and future tactical air, calls into question the strategic underpinning of these and other acquisition decisions. Therefore, the Committee directs the Secretary of the Air Force to submit a report to the congressional defense committees, with submission of the fiscal year 2024 President’s budget request that provides a list of all aircraft procurement programs that are being truncated across the FYDP, to include F-15EX and CRH. The report shall include an assessment of the operational impacts of the decision, cost avoidance, and rationale for truncation.

Classic Associations.—The Committee notes that pending the resolution and passage of the National Defense Authorization Act for Fiscal Year 2023, the Secretary of the Air Force may develop a plan to transfer KC-135 aircraft to air refueling wings of the Air National Guard that are operating as classic associations with active duty units of the Air Force. Therefore, the Committee directs the Secretary of the Air Force to provide a copy of the plan and the associated implementation costs by appropriation and budget line item across the Future Years Defense Program, to the Committees on Appropriations of the House of Representatives and Senate.

MISSILE PROCUREMENT, AIR FORCE

Budget estimate, 2023	\$2,962,417,000
Committee recommendation	3,207,815,000

The Committee recommends an appropriation of \$3,207,815,000. This is \$245,398,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(Dollars in thousands)

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	MISSILE PROCUREMENT, AIR FORCE						
	BALLISTIC MISSILES						
1	MISSILE REPLACEMENT EQ-BALLISTIC		57,476		57,476		
4	LONG RANGE STAND-OFF WEAPON		31,454		31,454		
5	REPLAC EQUIP & WAR CONSUMABLES		30,510		30,510		
6	AGM-183A AIR-LAUNCHED RAPID RESPONSE WEAPON	1	46,566			-1	-46,566
7	JOINT AIR-SURFACE STANDOFF MISSILE (JASSM)	550	784,971	550	784,971		
8	LRASMO	28	114,025	28	105,989		-8,036
9	SIDEWINDER (AIM-9X)	255	111,855	255	111,855		
10	AWRAAM	271	320,056	271	320,056		
11	PREDATOR HELIFIRE MISSILE		1,040		1,040		
12	SMALL DIAMETER BOMB	356	46,475	356	46,475		
13	SMALL DIAMETER BOMB II	761	279,006	761	429,006		+150,000
14	STAND-IN ATTACK WEAPON (SIAW)	42	77,975	42	77,975		
15	INDUSTRIAL FACILITIES						
	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION		868		150,868		+150,000
	TOTAL, OTHER MISSILES		1,844,801		2,090,199		+245,398
	MODIFICATION OF INSERVICE MISSILES						
18	ICBM FUZE MOD		99,691		99,691		
19	ICBM FUZE MOD AP-CY		37,673		37,673		
20	MM III MODIFICATIONS		68,193		68,193		
22	AIR LAUNCH CRUISE MISSILE		33,778		33,778		
	TOTAL, MODIFICATION OF INSERVICE MISSILES		239,335		239,335		
	SPARES AND REPAIR PARTS						
23	INITIAL SPARES/REPAIR PARTS		15,354		15,354		
24	REPLEN SPARES/REPAIR PARTS		62,978		62,978		

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, SPARES AND REPAIR PARTS		78,332		78,332		
	SPECIAL UPDATE PROGRAMS		36,933		36,933		
	CLASSIFIED PROGRAMS		705,540		705,540		
	TOTAL, OTHER SUPPORT		742,473		742,473		
	TOTAL, MISSILE PROCUREMENT, AIR FORCE		2,962,417		3,207,815		+ 245,398

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
6	AGM-183A Air-Launched Rapid Response Weapon	46,566	.....	- 46,566
	Excess to need .....	.....	.....	- 46,566
8	LRASMO	114,025	105,989	- 8,036
	Unit cost growth: AUR .....	.....	.....	- 8,036
13	Small Diameter Bomb II	279,006	429,006	+ 150,000
	Program increase: Small Diameter Bomb II .....	.....	.....	+ 150,000
15	Industr'l Preparedns/Pol Prevention	868	150,868	+ 150,000
	Program increase: Capacity expansion .....	.....	.....	+ 150,000

PROCUREMENT OF AMMUNITION, AIR FORCE

Budget estimate, 2023	\$903,630,000
Committee recommendation	870,822,000

The Committee recommends an appropriation of \$870,822,000. This is \$32,808,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
PROCUREMENT OF AMMUNITION, AIR FORCE							
PROCUREMENT OF AMMO, AIR FORCE							
1	ROCKETS		22,190		22,190		
2	CARTRIDGES		124,164		124,164		
BOMBS							
4	GENERAL PURPOSE BOMBS		162,800		148,602		- 14,198
5	MASSIVE ORDNANCE PENETRATOR (MOP)		19,743		19,743		
6	JOINT DIRECT ATTACK MUNITION	4,200	251,956	4,200	251,956		
8	CAD/PAD		50,473		50,473		
9	EXPLOSIVE ORDNANCE DISPOSAL (EOD)		6,343		6,343		
10	SPARES AND REPAIR PARTS		573		573		
12	FIRST DESTINATION TRANSPORTATION		1,903		1,903		
13	ITEMS LESS THAN \$5,000,000		5,014		5,014		
FLARES/FUZES							
14	EXPENDABLE COUNTERMEASURES		120,548		120,548		
15	FUZES		121,528		102,918		- 18,610
TOTAL, PROCUREMENT OF AMMO, AIR FORCE			887,235		854,427		- 32,808
WEAPONS							
16	SMALL ARMS		16,395		16,395		
TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE			903,630		870,822		- 32,808

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
4	General Purpose Bombs	162,800	148,602	- 14,198
	Prior year underexecution			- 14,198
15	Fuzes	121,528	102,918	- 18,610
	Reduce carryover			- 18,610

OTHER PROCUREMENT, AIR FORCE

Budget estimate, 2023 \$25,848,831,000
 Committee recommendation 26,063,918,000

The Committee recommends an appropriation of \$26,063,918,000. This is \$215,087,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, AIR FORCE						
	VEHICULAR EQUIPMENT						
	PASSENGER CARRYING VEHICLES						
1	PASSENGER CARRYING VEHICLE		2,446		2,446		
	CARGO + UTILITY VEHICLES						
2	MEDIUM TACTICAL VEHICLE		1,125		1,125		
3	CAP VEHICLES		999		1,900		+ 901
4	CARGO AND UTILITY VEHICLES		35,220		35,220		
	SPECIAL PURPOSE VEHICLES						
5	JOINT LIGHT TACTICAL VEHICLE		60,461		60,461		
6	SECURITY AND TACTICAL VEHICLES		382		382		
7	SPECIAL PURPOSE VEHICLES		49,623		49,623		
	FIRE FIGHTING EQUIPMENT						
8	FIRE FIGHTING/CRASH RESCUE VEHICLES		11,231		11,231		
	MATERIALS HANDLING EQUIPMENT						
9	MATERIAL HANDLING VEHICLES		12,559		12,559		
	BASE MAINTENANCE SUPPORT						
10	RUNWAY SNOW REMOVAL & CLEANING EQUIP		6,409		6,409		
11	BASE MAINTENANCE SUPPORT VEHICLES		72,012		72,012		
	TOTAL, VEHICULAR EQUIPMENT		252,467		253,368		+ 901
	ELECTRONICS AND TELECOMMUNICATIONS EQUIP						
	COMM SECURITY EQUIPMENT(COMSEC)						
13	COMSEC EQUIPMENT		96,851		92,654		-4,197
14	STRATEGIC MICROELECTRONIC SUPPLY SYSTEM		467,901		467,901		
	INTELLIGENCE PROGRAMS						
15	INTERNATIONAL INTEL TECH AND ARCHITECTURES		7,043		7,043		
16	INTELLIGENCE TRAINING EQUIPMENT		2,424		2,424		

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
999	CLASSIFIED PROGRAMS		89,484		89,484		
	TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP		2,038,414		2,080,863		+ 42,449
	OTHER BASE MAINTENANCE AND SUPPORT EQUIP						
56	PERSONAL SAFETY AND RESCUE EQUIP		92,995		92,995		
57	DEPOT PLANT + MATERIALS HANDLING EQ		12,199		12,199		
58	POWER CONDITIONING EQUIPMENT		9,326		9,326		
	MECHANIZED MATERIAL HANDLING EQUIP						
	BASE SUPPORT EQUIPMENT						
59	BASE PROCURED EQUIPMENT		52,890		71,890		+ 19,000
60	ENGINEERING AND EOD EQUIPMENT		231,552		191,552		- 40,000
61	MOBILITY EQUIPMENT		28,758		28,758		
62	FUELS SUPPORT EQUIPMENT [FSE]		21,740		21,740		
	SPECIAL SUPPORT PROJECTS						
65	DARP RC135		28,153		28,153		
66	DCGS-AF		217,713		217,713		
70	SPECIAL UPDATE PROGRAM		978,499		996,499		+ 18,000
999	CLASSIFIED PROGRAMS		21,859,943		22,034,680		+ 174,737
	TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP		23,533,768		23,705,505		+ 171,737
	SPARE AND REPAIR PARTS						
71	SPARES AND REPAIR PARTS (CYBER)		1,007		1,007		
72	SPARES AND REPAIR PARTS		23,175		23,175		
	TOTAL, OTHER PROCUREMENT, AIR FORCE		25,848,831		26,063,918		+ 215,087

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
3	Cap Vehicles	999	1,900	+ 901
	Program increase: Civil Air Patrol			+ 901
13	Comsec Equipment	96,851	92,654	- 4,197
	In-Line Network Encryptors previously funded			- 4,197
18	Air Traffic Control & Landing Sys	65,531	69,921	+ 4,390
	Program increase: Instrument Landing System			+ 3,100
	Program increase: Relocatable simulation shelter			+ 1,290
21	3D Expeditionary Long-Range Radar	174,640	90,831	- 83,809
	Initial production units early to need			- 79,280
	Direct mission support early to need			- 4,529
23	Strategic Command and Control	93,351	118,333	+ 24,982
	JADC2 early to need			- 5,972
	Transfer from RDTE,AF line 278			+ 216
	Transfer from RDTE,AF line 283			+ 30,738
27	Integrated Strat Plan & Analy Network (ISPAN)		4,740	+ 4,740
	Transfer from RDTE,AF line 278			+ 4,740
36	Minimum Essential Emergency Comm N	66,294	53,244	- 13,050
	GASNTi1 install delays			- 13,050
38	C3 Countermeasures	55,324	137,369	+ 82,045
	Transfer from RDTE,AF line 282			+ 82,045
41	Defense Enterprise Accounting & Mgt Sys		3,156	+ 3,156
	Transfer from RDTE,AF line 280			+ 3,156
44	Air & Space Opeations Center (AOC)	2,611	21,753	+ 19,142
	Transfer from RDTE,AF line 279			+ 19,142
54	Base Comm Infrastructure	91,313	96,363	+ 5,050
	Program increase: Long range radar sites digitaliza- tion			+ 5,050
59	Base Procured Equipment	52,890	71,890	+ 19,000
	Program increase: Arctic equipment			+ 8,000
	Program increase: Civil engineering survey equipment			+ 11,000
60	Engineering and EOD Equipment	231,552	191,552	- 40,000
	EOD RADBO system early to need			- 40,000
70	Special Update Program	978,499	996,499	+ 18,000
	Classified program adjustment			+ 18,000
999	Classified Programs	21,859,943	22,034,680	+ 174,737
	Classified program adjustment			+ 174,737

Budget Exhibits.—The Committee directs the Assistant Secretary of the Air Force (Financial Management and Comptroller) to provide the P-5, P-5a, P-21, and P-40 budget exhibits for unclassified programs in budget activities three and four, including such information for fiscal years 2022 and 2023, to the Committee with the fiscal year 2024 President’s budget request.

PROCUREMENT, SPACE FORCE

Budget estimate, 2023	\$3,629,669,000
Committee recommendation	4,050,914,000

The Committee recommends an appropriation of \$4,050,914,000. This is \$421,245,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
PROCUREMENT, SPACE FORCE							
2	SPACE PROGRAMS						
	AF SATELLITE COMM SYSTEM		51,414		45,963		-5,451
3	COUNTERSPACE SYSTEMS		62,691		62,691		
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS		26,394		26,394		
5	WIDEBAND GAPPILLER SATELLITES (SPACE)		21,982		21,982		
6	GENERAL INFORMATION TECH—SPACE		5,424		5,424		
7	GPSIII FOLLOW ON	2	657,562	2	627,562		-30,000
8	GPS III SPACE SEGMENT		103,340		103,340		
9	GLOBAL POSITIONING (SPACE)		950		950		
10	HERITAGE TRANSITION		21,896		21,896		
11	SPACEBORNE EQUIP [COMSEC]		29,587		24,083		-5,504
12	MILSATCOM		29,333		29,333		
13	SBIR HIGH (SPACE)		148,666		148,666		
14	SPECIAL SPACE ACTIVITIES		817,484		883,884		+66,400
15	MOBILE USER OBJECTIVE SYSTEM		46,833		46,833		
16	NATIONAL SECURITY SPACE LAUNCH	3	1,056,133	3	1,025,533		-30,600
17	NUDET DETECTION SYSTEM		7,062		7,062		
18	PTES HUB		42,464		42,464		
19	ROCKET SYSTEMS LAUNCH PROGRAM		39,145		39,145		
20	SPACE DEVELOPMENT AGENCY LAUNCH	3	314,288	7	746,288		+432,000
22	SPACE MODS		73,957		68,357		-5,600
23	SPACEFLIGHT RANGE SYSTEM SPACE		71,712		71,712		
24	SPARES AND REPAIR PARTS		1,352		1,352		
	TOTAL, PROCUREMENT, SPACE FORCE		3,629,669		4,050,914		+421,245

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
2	AF Satellite Comm System	51,414	45,963	- 5,451
	Justification discrepancy			- 1,860
	Lack of budget detail			- 3,591
7	GPSIII Follow On	657,562	627,562	- 30,000
	Anticipated cost savings			- 30,000
11	Spaceborne Equip [COMSEC]	29,587	24,083	- 5,504
	Cost growth			- 5,504
14	Special Space Activities	817,484	883,884	+ 66,400
	Classified adjustment			+ 66,400
16	National Security Space Launch	1,056,133	1,025,533	- 30,600
	Excess to need			- 30,600
20	Space Development Agency Launch	314,288	746,288	+ 432,000
	Space Development Agency requested transfer from RDT&E,SF Line 36 for tranche 1 launch operations			+ 216,000
	Program increase: Resilient Missile Warning and Missile Tracking launch acceleration			+ 216,000
22	Space Mods	73,957	68,357	- 5,600
	Cost growth—NAVSTAR			- 1,600
	Space situational awareness lack of schedule detail ..			- 4,000

National Security Space Launch.—The Committee remains supportive of the National Security Space Launch [NSSL] program due to the success the program has had in increasing competition within the launch market, reducing costs associated with launch, and maintaining assured access to space.

The Committee continues to direct that the Secretary of Defense and the Director of National Intelligence utilize the Space Force launch enterprise phase 2 contract for NSSL class missions unless they certify to the congressional defense and intelligence committees that commercial launch or delivery on orbit procurement for a designated mission is in the National security interest of the government and outline the rationale for such a determination.

Further, the Committee remains committed to ensuring that the United States maintain its assured access to space through the Space Force's follow-on NSSL phase 3 effort. While the phase 3 acquisition strategy remains under development at this time, the Committee notes that the current commercial launch market conditions and expansion of orbital regimes pursued by the Department of Defense may provide additional launch providers opportunities to enter the NSSL competition. The Committee encourages the Secretary of the Air Force and Chief of Space Operations to take into account the current market conditions and emerging technologies when developing its phase 3 acquisition strategy.

PROCUREMENT, DEFENSE-WIDE

Budget estimate, 2023	\$5,245,500,000
Committee recommendation	5,740,190,000

The Committee recommends an appropriation of \$5,740,190,000. This is \$494,690,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT, DEFENSE-WIDE						
	MAJOR EQUIPMENT						
1	MAJOR EQUIPMENT, DCSA		2,346		2,346		
	MAJOR EQUIPMENT						
3	MAJOR EQUIPMENT, DHRA		4,522		4,522		
	PERSONNEL ADMINISTRATION						
	MAJOR EQUIPMENT, DISA						
11	INFORMATION SYSTEMS SECURITY		24,044		21,844		-2,200
12	TELEPORT PROGRAM		50,475		40,475		-10,000
13	JOINT FORCES HEADQUARTERS—DODIN		674		674		
14	ITEMS LESS THAN \$5M		46,614		44,614		-2,000
15	DEFENSE INFORMATION SYSTEMS NETWORK		87,345		57,345		-30,000
16	WHITE HOUSE COMMUNICATION AGENCY		130,145		87,345		-42,800
17	SENIOR LEADERSHIP ENTERPRISE		47,864		47,864		
18	JOINT REGIONAL SECURITY STACKS [JRSS]		17,135				-17,135
19	JOINT SERVICE PROVIDER		86,183		86,183		
20	FOURTH ESTATE NETWORK OPTIMIZATION [AENO]		42,756				-42,756
	MAJOR EQUIPMENT, DLA						
22	MAJOR EQUIPMENT		24,501		24,501		
	MAJOR EQUIPMENT, DMACT						
23	MAJOR EQUIPMENT		11,117		11,117		
	MAJOR EQUIPMENT, DODEA						
24	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS		2,048		2,048		
	MAJOR EQUIPMENT, DPAA						
25	MAJOR EQUIPMENT, DPAA	10	513	10	513		
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY						
27	VEHICLES		139		139		
28	OTHER MAJOR EQUIPMENT		14,296		14,296		

30	MAJOR EQUIPMENT, MDA	3	74,994	18	239,994	+15	+165,000
31	THAAD SYSTEM		11,300		11,300		
32	GROUND BASED MIDCOURSE	47	402,235	47	402,235		
34	BMD AN/TPY-2 RADARS		4,606		4,606		
35	BMD AN/TPY-2 BLOCK IIA	10	337,975	24	669,975	+14	+332,000
36	ISRAELI PROGRAMS	1	80,000	1	80,000		
37	SHORT RANGE BALLISTIC MISSILE DEFENSE [SRBMD]	1	40,000	1	40,000		
38	DEFENSE OF GUAM PROCUREMENT		26,514		26,514		
39	AEGIS ASHORE PHASE III		30,056		30,056		
40	IRON DOME SYSTEM	1	80,000	1	80,000		
41	AEGIS BMD HARDWARE AND SOFTWARE	6	78,181	6	78,181		
47	MAJOR EQUIPMENT, NSA		6,738		6,738		
47	INFORMATION SYSTEMS SECURITY PROGRAM [ISSP]						
50	MAJOR EQUIPMENT, OSD		64,291		64,291		
50	MAJOR EQUIPMENT, OSD						
52	MAJOR EQUIPMENT, TIS		3,900		3,900		
52	MAJOR EQUIPMENT, TIS						
54	MAJOR EQUIPMENT, WHS		310		310		
54	MAJOR EQUIPMENT, WHS						
	TOTAL, MAJOR EQUIPMENT		1,833,817		2,183,926		+350,109
SPECIAL OPERATIONS COMMAND							
AVIATION PROGRAMS							
55	ARMED OVERWATCH/TARGETING	9	246,000	5	246,000	-4	
56	MANNED ISR		5,000		5,000		
57	MC-12		3,344		3,344		
59	SOF ROTARY WING UPGRADES AND SUSTAINMENT		214,575		205,960		-8,615
60	Unmanned ISR		41,749		43,749		+2,000
61	NON-STANDARD AVIATION		7,156		379		-6,777
62	SOF U-28		4,589		4,589		
63	MH-47 CHINOOK		133,144		133,144		
64	CV-22 SOF MODIFICATION		75,629		71,629		-4,000
65	MQ-9 UNMANNED AERIAL VEHICLE		9,000		14,000		+5,000
66	PRECISION STRIKE PACKAGE		57,450		57,450		
67	AC/MC-130J		225,569		222,869		-2,700

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
68	C-130 MODIFICATIONS .....	.....	11,945	.....	11,945	.....	.....
	SHIPBUILDING .....	.....	.....	.....	.....	.....	.....
69	UNDERWATER SYSTEMS .....	.....	45,631	.....	45,631	.....	.....
	AMMUNITION PROGRAMS .....	.....	.....	.....	.....	.....	.....
70	SOF ORDNANCE ITEMS UNDER \$5,000,000 .....	.....	151,233	.....	146,300	.....	-4,933
	OTHER PROCUREMENT PROGRAMS .....	.....	.....	.....	.....	.....	.....
71	SOF INTELLIGENCE SYSTEMS .....	.....	175,616	.....	175,616	.....	.....
72	DCGS-SOF .....	.....	2,214	.....	2,214	.....	.....
73	OTHER ITEMS UNDER \$5,000,000 .....	.....	98,096	.....	91,436	.....	-6,660
74	SOF COMBATANT CRAFT SYSTEMS .....	.....	85,566	.....	85,566	.....	.....
75	SPECIAL PROGRAMS .....	.....	20,042	.....	259,042	.....	+239,000
76	TACTICAL VEHICLES .....	.....	51,605	.....	59,605	.....	+8,000
77	WARRIOR SYSTEMS UNDER \$5,000,000 .....	.....	306,846	.....	304,174	.....	-2,672
78	COMBAT MISSION REQUIREMENTS .....	.....	4,991	.....	4,991	.....	.....
80	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	.....	18,723	.....	18,723	.....	.....
81	SOF OPERATIONAL ENHANCEMENTS .....	.....	347,473	.....	347,473	.....	.....
	TOTAL, SPECIAL OPERATIONS COMMAND .....	.....	2,343,186	.....	2,560,829	.....	+217,643
	CHEMICAL/BIOLOGICAL DEFENSE .....	.....	.....	.....	.....	.....	.....
82	CHEMICAL/BIOLOGICAL SITUATIONAL AWARENESS .....	.....	199,439	.....	137,687	.....	-61,752
83	CB PROTECTION AND HAZARD MITIGATION .....	.....	187,164	.....	173,354	.....	-13,810
	TOTAL, CHEMICAL/BIOLOGICAL DEFENSE .....	.....	386,603	.....	311,041	.....	-75,562
	CLASSIFIED PROGRAMS .....	.....	.....	.....	.....	.....	.....
999	TOTAL, PROCUREMENT, DEFENSE-WIDE .....	.....	681,894	.....	684,394	.....	+2,500
	TOTAL, PROCUREMENT, DEFENSE-WIDE .....	.....	5,245,500	.....	5,740,190	.....	+494,690

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
11	Information Systems Security	24,044	21,844	-2,200
	Enterprise collaborative operational sensors unjustified growth			-2,200
12	Teleport Program	50,475	40,475	-10,000
	DoD teleport technology refresh/tech insertion unjustified growth			-10,000
14	Items Less than \$5 Million	46,614	44,614	-2,000
	Telephone modernization excess to need			-2,000
15	Defense Information System Network	87,345	57,345	-30,000
	Domain name system excess growth			-30,000
16	White House Communication Agency	130,145	87,345	-42,800
	Unjustified scope expansion			-42,800
18	Joint Regional Security Stacks (JRSS)	17,135		-17,135
	Excess to need			-17,135
20	Fourth Estate Network Optimization (4ENO)	42,756		-42,756
	GSD sites early to need			-16,060
	Lifecycle replacement early to need			-26,696
30	THAAD	74,994	239,994	+165,000
	Program increase: 15 additional THAAD interceptors			+165,000
35	SM-3 IIAs	337,975	669,975	+332,000
	Program increase: 14 additional SM-3 IIA interceptors			+332,000
59	Rotary Wing Upgrades and Sustainment	214,575	205,960	-8,615
	Mission processor upgrades aircraft integration lack of justification			-8,615
60	Unmanned ISR	41,749	43,749	+2,000
	Program increase: COTS hardware for hosting UAS command and control software			+2,000
61	Non-Standard Aviation	7,156	379	-6,777
	C-27J carryover			-6,777
64	CV-22 Modification	75,629	71,629	-4,000
	Unjustified support increase			-4,000
65	MQ-9 Unmanned Aerial Vehicle	9,000	14,000	+5,000
	Program increase: Cyber security and continuous monitoring of serial bus systems			+5,000
67	AC/MC-130J	225,569	222,869	-2,700
	Radio frequency countermeasures interim contractor support excess growth			-2,700
70	Ordnance Items <\$5M	151,233	146,300	-4,933
	Munitions with datalink unit cost growth			-1,333
	Functional transfer to RDDW line 266, Warrior Enhancements, for MPE-M			-3,600
73	Other Items <\$5M	98,096	91,436	-6,660
	C4IAS cyber infrastructure unjustified request			-5,450
	TACLAN-heavy suite CERP unit cost growth			-1,210
75	Special Programs	20,042	259,042	+239,000
	Program increase: Medium fixed wing recapitalization			+239,000
76	Tactical Vehicles	51,605	59,605	+8,000
	Program increase: Purpose built non-standard commercial vehicle			+8,000
77	Warrior Systems <\$5M	306,846	304,174	-2,672
	VAS simulators excess to need			-597
	IG CERP unit cost growth			-533
	SOF network radio gateway unjustified request			-2,000
	Weapon systems carryover			-4,542
	Program increase: Resilient waveform communications capability			+5,000
82	Chemical Biological Situational Awareness	199,439	137,687	-61,752
	JBTDs contract award delay			-11,193
	JBTDs support previously funded			-2,500

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	MPCAD contract award delay			- 7,198
	MPCAD support previously funded			- 700
	JBHI contract award delay			- 800
	NGDS 2 MPDS contract award delay			- 3,126
	CALS contract award delay			- 36,235
83	CB Protection & Hazard Mitigation	187,164	173,354	- 13,810
	DFoS contract award delays			- 1,000
	UIPE FOS GP suits early to need			- 20,000
	UIPE FOS GP excess support cost			- 985
	SPU RCDD AP-PPE ensembles unjustified growth			- 3,825
	Program increase: Protective clothing			+ 2,000
	Program increase: Smallpox antiviral treatment			+ 10,000
99	Classified Programs	681,894	684,394	+ 2,500
	Classified adjustment			+ 2,500

DEFENSE PRODUCTION ACT PURCHASES

Budget estimate, 2023 \$659,906,000
 Committee recommendation 359,906,000

The Committee recommends an appropriation of \$359,906,000. This is \$300,000,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[Dollars in thousands]

Line	Item	Qty.	2023 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	DEFENSE PRODUCTION ACT PURCHASES						
1	DEFENSE PRODUCTION ACT PURCHASES		659,906		359,906		- 300,000
1	TOTAL, DEFENSE PRODUCTION ACT PURCHASES		659,906		359,906		- 300,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Production Act Purchases	659,906	359,906	- 300,000
	Undistributed reduction			- 350,000
	Program increase: Enhanced RF microelectronics production			+ 35,000
	Program increase: Graphite, cobalt, and platinum mining feasibility studies			+ 15,000

Defense Production Act.—The Committee remains supportive of the Department’s use of the authorities provided in Title III of the Defense Production Act [DPA] to strengthen domestic industrial base capabilities essential to national defense, and recognizes the important role of the DPA to incentivize the creation, expansion and/or preservation of domestic industrial manufacturing capabilities and materials needed to meet national security requirements. However, the Committee notes that the fiscal year 2023 President’s budget request for DPA assumed the enactment of legislative authorities for purposes of ease of execution that has not occurred, and that the program plans to carry forward into fiscal year 2023 significant levels of previously appropriated funds. The Committee is concerned about this approach and believes this hampers prudent management and execution of the program. Therefore, the Committee recommends a reduction of \$350,000,000 to the request.

NATIONAL GUARD AND RESERVE EQUIPMENT

Budget estimate, 2023	
Committee recommendation	\$1,500,000,000

The Committee recommends an appropriation of \$1,500,000,000. This is \$1,500,000 above the budget estimate.

The appropriation includes direction for the component commanders of the Army Reserve, Marine Forces Reserve, Air Force Reserve, Army National Guard, and Air National Guard to submit to the congressional defense committees a detailed assessment of their component’s modernization priorities, not later than 30 days after enactment of this act.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Item	2023 budget estimate	Committee recommendation	Change from budget estimate
NATIONAL GUARD AND RESERVE EQUIPMENT ACCOUNT			
RESERVE EQUIPMENT:			
ARMY RESERVE:			
Program increase: Miscellaneous equipment		203,476	+ 203,476
NAVY RESERVE:			
Program increase: Miscellaneous equipment		77,169	+ 77,169
MARINE CORPS RESERVE:			
Program increase: Miscellaneous equipment		19,735	+ 19,735
AIR FORCE RESERVE:			
Program increase: Miscellaneous equipment		225,654	+ 225,654
TOTAL, RESERVE EQUIPMENT		526,034	+ 526,034
NATIONAL GUARD EQUIPMENT:			
ARMY NATIONAL GUARD:			
Program increase: Miscellaneous equipment		502,266	+ 502,266
AIR NATIONAL GUARD:			
Program increase: Miscellaneous equipment		471,700	+ 471,700
TOTAL, NATIONAL GUARD EQUIPMENT		973,966	+ 973,966

[In thousands of dollars]

Item	2023 budget estimate	Committee recommendation	Change from budget estimate
TOTAL, NATIONAL GUARD AND RESERVE EQUIPMENT	1,500,000	+ 1,500,000

High-Priority Items.—The Committee directs that the National Guard and Reserve Equipment account shall be executed by the Chiefs of the National Guard and reserve components with priority consideration given to the following items: airfield lighting system; aviation status dashboard; acoustic hailing devices; ballistically tolerant auxiliary fuel systems; C-130 H/J /WC ground mapping radar replacement; containerized ice making systems; KC-135 aircraft forward area refueling/defueling stations; lightweight rapidly deployable computer-based artillery call for fire [CFF] training and simulation; pilot physiological monitoring systems; small unmanned aerial systems and tethered drones; special tactics [ST] squadrons and joint terminal attack controllers [JTACs] tethered drone; software defined radios; tactical rinse systems; UH-72 security and support [S&S] mission equipment modernization; and vehicle-mounted and man-portable radiological nuclear detection systems.

TITLE IV

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

Funds appropriated under this title provide the resources required to conduct a program of research, development, test and evaluation, including basic research, applied research, advanced technology development, advanced component development and prototypes, system development and demonstration, operational systems development; as well as software and digital technology pilot programs.

The President's fiscal year 2023 budget requests a total of \$129,858,692,000 for research, development, test and evaluation appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends research, development, test and evaluation appropriations totaling \$134,625,494,000 for fiscal year 2023. This is \$4,766,802,000 above the budget estimate.

Committee recommended research, development, test and evaluation appropriations for fiscal year 2023 are summarized below:

SUMMARY OF RESEARCH, DEVELOPMENT, TEST AND EVALUATION APPROPRIATIONS

[In thousands of dollars]

Account	2023 budget estimate	Committee recommendation	Change from budget estimate
Research, Development, Test and Evaluation:			
Research, Development, Test and Evaluation, Army	13,710,273	15,496,166	+ 1,785,893
Research, Development, Test and Evaluation, Navy	24,082,618	24,445,418	+ 362,800
Research, Development, Test and Evaluation, Air Force	43,889,183	43,717,011	- 172,172
Research, Development, Test and Evaluation, Space Force	15,819,372	16,528,488	+ 709,116
Research, Development, Test and Evaluation, Defense-Wide	32,080,052	33,836,217	+ 1,756,165
Operational Test and Evaluation, Defense	277,194	602,194	+ 325,000
Total	129,858,692	134,625,494	+ 4,766,802

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

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

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

FUNDING INCREASES

The funding increases outlined in the tables accompanying each appropriation account shall be provided only for the specific purposes indicated in the tables of Committee Recommended Adjustments. The Committee directs that funding increases shall be competitively awarded, or provided to programs that have received competitive awards in the past.

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 tables detailing Committee Recommended Adjustments or in paragraphs using the phrase “only for” or “only to” 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 explanatory statement.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION OVERVIEW

Reporting on Mid-Tier Acquisition and Rapid Prototyping Programs.—The Committee remains supportive of efforts to deliver capability to the warfighter at an accelerated pace, such as through the use of acquisition authorities and contracting strategies provided in National Defense Authorization Acts for the rapid development, rapid prototyping, rapid acquisition, accelerated acquisition, and middle-tier acquisition (“section 804”) of warfighter capabilities. The Committee notes that the spectrum of programs using these types of acquisition authorities ranges from small programs that have already deployed prototypes, to programs that by virtue of their scope and cost would otherwise be subject to reporting requirements and acquisition regulations applicable to traditional major acquisition category I programs. The Committee notes the Department of Defense’s continued use of such acquisition authorities, and remains concerned by the lack of standard acquisition information provided for such programs with the budget request, to include independent cost estimates, technology and manufacturing readiness assessments, and test and evaluation master plans. This is of particular concern as programs increase the use of acquisition

strategies that utilize both rapid prototyping and rapid fielding authorities sequentially, together resulting in a ten-year acquisition program, or by purchasing excessive numbers of end-items under the rapid prototyping authorities for eventual fielding, rather than only procuring the number of units required for testing. Further, the Committee remains concerned that the services' growing trend toward procuring de facto operational assets via prototyping acquisitions may limit the services' ability to successfully manage their acquisition programs in the long-term by eliminating the full understanding of full program costs up-front; unnecessarily narrowing the industrial base early in the acquisition process; and eliminating opportunities for future innovation by reducing competition over the life of the acquisition. Further, the Committee is concerned that budgeting for these de facto end-items incrementally with research and development appropriations instead of fully funding them with procurement appropriations obfuscates costs and limits transparency and visibility into services' procurement efforts. Therefore, the Committee has modified section 8059 of this act, further defining instances in which end-item procurement can be conducted with research and development funding.

The Under Secretaries of Defense (Research and Engineering) and (Acquisition and Sustainment), in coordination with the service acquisition executives for the Army, Navy, Air Force, and Space Force, are directed to provide to the congressional defense committees with submission of the fiscal year 2024 President's budget request a complete list of approved acquisition programs, and programs pending approval in fiscal year 2024, utilizing prototyping or accelerated acquisition authorities, along with the rationale for each selected acquisition strategy, as well as a cost estimate and contracting strategy for each such program. Further, the Under Secretary of Defense (Comptroller) and the Assistant Secretaries (Financial Management and Comptroller) for the Army, Navy, and Air Force, are directed to certify full funding of the acquisition strategies for each of these programs in the fiscal year 2024 President's budget request, including their test strategies; finally, the Director, Operational Test and Evaluation, is directed to certify to the congressional defense committees the appropriateness of the services' planned test strategies for such programs, to include a risk assessment. To the extent that the respective service acquisition executives, service financial manager and comptrollers, and Director, Operational Test and Evaluation, provided the information requested above with submission of the fiscal year 2023 President's budget, any variations therefrom should be included with the fiscal year 2024 submission. In addition, the services' financial manager and comptrollers are directed to identify the full costs for prototyping units by individual item in the research, development, test and evaluation budget exhibits for the budget year as well as the Future Years Defense Program.

Other Transaction Agreements.—Pursuant to section 873 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232), as amended by section 819 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) and the Joint Explanatory Statement accompanying the Department of Defense and Labor, Health and Human Services,

and Education Appropriations Act for 2019 (Public Law 115–245), the Department of Defense is required to meet annual and quarterly reporting requirements on the use of Other Transaction Authority [OTA]. The Committee notes the continued importance of this reporting requirement, particularly given the lack of fidelity within the Department on execution of OTAs and the wide discrepancy in utilization rates. This continues to raise concerns on the efficacy of existing guidance in normalizing the use of OTAs going forward.

Therefore, the Committee directs the Under Secretary of Defense (Acquisition and Sustainment) to continue the previously established reporting requirements. Further, the Committee directs the Under Secretary of Defense (Acquisition and Sustainment), not later than 60 days following enactment of this act, to submit a report to the congressional defense committees on the Department's use of OTA agreements in fiscal year 2022, to include an analysis of the relative success rates of follow-on production contracts initiated after the conclusion of initial OTA agreements in comparison to lessons learned from conventional Federal Acquisition Regulation-based acquisitions.

Rapid Defense Experimentation Reserve Fund.—The fiscal year 2023 President's budget request includes \$358,000,000 for the Rapid Defense Experimentation Reserve Fund [RDER], an increase of \$323,981,000 over fiscal year 2022 enacted funding levels. In contrast to fiscal year 2022 enacted funding, requested RDER funding is distributed throughout service program elements, aligning funding against the implementing acquisition program.

The Committee supports the Department's efforts to experiment with emerging capabilities with the goal of procuring end-items that address joint force requirements. However, the Committee notes the lack of detail provided in support of the budget request. Further, excessive growth within the Research, Development, Test and Evaluation Defense Wide appropriation raises concerns about the projected administrative costs associated with this initiative.

Additionally, the Committee still seeks additional information on how the experimentation conducted under the auspices of RDER is distinct from, or complementary to, existing joint exercises, and why additional funding is required to conduct these activities. Furthermore, the Committee remains concerned that the funding model for RDER does not adequately manage the out-year funding tails associated with successful RDER experiments.

The Committee encourages the Department to continue the development, testing, and experimentation of innovative joint force concepts. However, experimentation and innovation absent defined program goals merely widen the “valley of death” instead of addressing core programmatic and processes challenges inside the Department. Therefore, the Committee recommends \$176,580,000 for RDER in fiscal year 2023, a reduction of \$181,420,000 from the request.

Procurement of End-items with Research, Development, Test and Evaluation Funding.—The Committee's recommendation modifies a general provision, section 8059, regarding the use of funding appropriated in title IV for the procurement of end-items. It remains the Committee's position that funding appropriated within title IV

should be used principally for research, development, test and evaluation efforts, as well as prototyping, and not to procure prototypes in excess of those required for tests with the intent of equipping units. The Committee continues to support prototyping efforts to enable the rapid fielding of capabilities to the warfighter. However, the Committee notes that prototype units routinely require costly and time-consuming engineering change proposals, increasing costs to the taxpayer and removing the end-item from the unit in question to receive necessary upgrades. Therefore, the Committee has modified section 8059 of this act and requires that prototypes procured with funds provided in title IV must be in accordance with an approved test strategy. In the event that the number of end-items budgeted with funds appropriated in title IV exceeds the number required to comply with the approved test strategy, the general provision makes allowances for the Secretary of Defense to certify to the congressional defense committees that a bonafide need for the additional end-items exists.

Basic Research Spending.—The fiscal year 2023 President’s budget request includes \$2,375,847,000 for basic research activities, a reduction of \$387,626,000 from the fiscal year 2022 enacted amounts. The Committee strongly supports investments in basic research and notes that the Department must continue to make meaningful advancements in next-generation technologies in order to achieve the objectives outlined in the National Defense Strategy. Furthermore, investments in basic research spending enable national labs and universities to make needed instrumentation upgrades, as well as attract, grow and retain talent, laying the foundation for decades of future research gains. Therefore, the Committee recommends an additional \$985,500,000, as detailed within the tables of Committee Recommended Adjustments in title IV, to support basic research spending within the Department.

Software and Digital Technology Pilot Programs.—The fiscal year 2023 President’s budget request includes 10 new programs for inclusion in the Software and Digital Technology Pilot Programs funded in Budget Activity Eight [BA 08] within the research, development, test and evaluation accounts, established in fiscal year 2021. This is an increase over the five new programs requested, but not approved, in the fiscal year 2022 budget request.

The Committee again acknowledges the Department’s rationale regarding the incremental technical challenges posed by modern software development practices, including implementing technical fixes to existing code, addressing cyber vulnerabilities, and integrating incrementally developed new capabilities. However, the Committee maintains its position that objective quantitative and qualitative evidence is required to evaluate the ongoing approved pilot programs prior to considering an expansion of programs funded under BA 08. Reporting requirements outlined in the Joint Explanatory Statement accompanying the Department of Defense Appropriations Act, 2021 (Public Law 116–260) have not been submitted to the congressional defense committees on a timely basis, and have not yet provided a baseline for analyzing the effectiveness of the pilot programs compared to traditional appropriation practices. Reports the Committee has received to date indicate that the Department is still implementing methods to capture the appro-

appropriate data that would allow an objective analysis for how a single budget activity improves the performance of software pilot programs. Therefore, the Committee recommends maintaining the Software and Digital Technology Pilot Programs in their current form, as detailed in title VIII of this act. The Committee recommendation transfers funds for programs requested as BA 08 new starts in fiscal year 2023 to their historical appropriation accounts for execution, as detailed in the appropriate tables of Committee Recommended Adjustments. Further, the Committee encourages the Secretary of Defense to refrain from submitting additional BA 08 pilot programs in future budget submissions until the Department has demonstrated its ability to collect quantitative data on the performance improvements provided by the pilot program.

As detailed in the reporting requirements outlined in the Joint Explanatory Statement accompanying the Department of Defense Appropriations Act, 2021 (Public Law 116–260), and Department of Defense Appropriations Act, 2022 (Public Law 117–103), the Secretary of Defense shall submit quarterly reports to the congressional defense committees detailing the Department’s assessment for each of the programs included in title VIII. This report shall include, at a minimum: quantitative and qualitative metrics; an assessment of eight similar programs, with representations from each service, funded through traditional appropriation legislation for comparison; an assessment of each pilot program against their own historical performance when funded through traditional appropriation legislation; as well as an assessment of prior year BA 08 execution by activity compared to planned execution in the respective budget request.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Budget estimate, 2023 \$13,710,273,000
 Committee recommendation 15,496,166,000

The Committee recommends an appropriation of \$15,496,166,000. This is \$1,785,893,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(In thousands of dollars)

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY			
	BASIC RESEARCH			
1	DEFENSE RESEARCH SCIENCES	279,328	396,828	+ 117,500
2	UNIVERSITY RESEARCH INITIATIVES	70,775	170,775	+ 100,000
3	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	100,909	111,809	+ 10,900
4	CYBER COLLABORATIVE RESEARCH ALLIANCE	5,355	5,355	.....
5	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASIC RESEARCH	10,456	10,456	.....
	TOTAL, BASIC RESEARCH	466,823	695,223	+ 228,400

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
6	APPLIED RESEARCH			
	ARMY AGILE INNOVATION AND DEVELOPMENT—APPLIED RESEARCH	9,534	1,000	— 8,534
8	COUNTER IMPROVISED—THREAT ADVANCED STUDIES	6,192	6,192	.....
9	LETHALITY TECHNOLOGY	87,717	139,717	+ 52,000
10	ARMY APPLIED RESEARCH	27,833	27,833	.....
11	SOLDIER LETHALITY TECHNOLOGY	103,839	176,539	+ 72,700
12	GROUND TECHNOLOGY	52,848	209,848	+ 157,000
13	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY	174,090	241,590	+ 67,500
14	NETWORK C3I TECHNOLOGY	64,115	150,115	+ 86,000
15	LONG RANGE PRECISION FIRES TECHNOLOGY	43,029	83,529	+ 40,500
16	FUTURE VERTICAL LIFT TECHNOLOGY	69,348	79,348	+ 10,000
17	AIR AND MISSILE DEFENSE TECHNOLOGY	27,016	58,016	+ 31,000
18	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNOLOGIES	16,454	16,454	.....
19	ALL DOMAIN CONVERGENCE APPLIED RESEARCH	27,399	27,399	.....
20	C3I APPLIED RESEARCH	27,892	27,892	.....
21	AIR PLATFORM APPLIED RESEARCH	41,588	41,588	.....
22	SOLDIER APPLIED RESEARCH	15,716	15,716	.....
23	C3I APPLIED CYBER	13,605	13,605	.....
24	BIOTECHNOLOGY FOR MATERIALS—APPLIED RESEARCH	21,919	21,919	.....
25	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	19,649	19,649	.....
26	MEDICAL TECHNOLOGY	33,976	61,976	+ 28,000
	TOTAL, APPLIED RESEARCH	883,759	1,419,925	+ 536,166
	ADVANCED TECHNOLOGY DEVELOPMENT			
27	MEDICAL ADVANCED TECHNOLOGY	5,207	20,207	+ 15,000
28	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	15,598	15,598	.....
29	ARMY AGILE INNOVATION AND DEMONSTRATION	20,900	20,900	.....
30	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ADVANCED TECHNOLOGIES	6,395	6,395	.....
31	ALL DOMAIN CONVERGENCE ADVANCED TECHNOLOGY	45,463	45,463	.....
32	C3I ADVANCED TECHNOLOGY	12,716	12,716	.....
33	AIR PLATFORM ADVANCED TECHNOLOGY	17,946	17,946	.....
34	SOLDIER ADVANCED TECHNOLOGY	479	479	.....
36	LETHALITY ADVANCED TECHNOLOGY	9,796	9,796	.....
37	ARMY ADVANCED TECHNOLOGY DEVELOPMENT	134,874	134,874	.....
38	SOLDIER LETHALITY ADVANCED TECHNOLOGY	100,935	144,185	+ 43,250
39	GROUND ADVANCED TECHNOLOGY	32,546	203,546	+ 171,000
40	COUNTER IMPROVISED—THREAT SIMULATION	21,486	21,486	.....
41	BIOTECHNOLOGY FOR MATERIALS—ADVANCED RESEARCH ..	56,853	56,853	.....
42	C3I CYBER ADVANCED DEVELOPMENT	41,354	41,354	.....
43	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	251,964	351,964	+ 100,000
44	NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY	193,242	318,942	+ 125,700
45	NETWORK C3I ADVANCED TECHNOLOGY	125,565	178,065	+ 52,500
46	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY	100,830	132,830	+ 32,000
47	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY	177,836	201,836	+ 24,000
48	AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY	11,147	79,147	+ 68,000
49	HUMANITARIAN DEMINING	8,933	18,933	+ 10,000
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	1,392,065	2,033,515	+ 641,450
	ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES			
50	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	12,001	64,301	+ 52,300
51	ARMY SPACE SYSTEMS INTEGRATION	17,945	30,945	+ 13,000
53	LANDMINE WARFARE AND BARRIER—ADV DEV	64,001	56,001	— 8,000
54	TANK AND MEDIUM CALIBER AMMUNITION	64,669	51,569	— 13,100
55	ARMORED SYSTEM MODERNIZATION—ADV DEV	49,944	49,944	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
56	SOLDIER SUPPORT AND SURVIVABILITY	4,060	4,060	.....
57	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV ..	72,314	72,314	.....
58	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	18,048	45,478	+ 27,430
59	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL	31,249	52,249	+ 21,000
60	NATO RESEARCH AND DEVELOPMENT	3,805	3,805	.....
61	AVIATION—ADV DEV	1,162,344	22,794	− 1,139,550
61A	FUTURE ATTACK RECONNAISSANCE AIRCRAFT (FARA) .....	.....	439,915	+ 439,915
61B	FUTURE LONG RANGE ASSAULT AIRCRAFT .....	.....	728,635	+ 728,635
62	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	9,638	24,638	+ 15,000
63	MEDICAL SYSTEMS—ADV DEV	598	598	.....
64	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	25,971	22,471	− 3,500
65	ROBOTICS DEVELOPMENT	26,594	33,594	+ 7,000
66	EXPANDED MISSION AREA MISSILE (EMAM)	220,820	258,320	+ 37,500
67	CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT & PROTOTYPING	106,000	1,000	− 105,000
69	LOW EARTH ORBIT (LEO) SATELLITE CAPABILITY	35,509	35,509	.....
70	MULTI-DOMAIN SENSING SYSTEM (MDSS) ADV DEV	49,932	47,915	− 2,017
71	TACTICAL INTEL TARGETING ACCESS NODE (TITAN) ADV DEV	863	863	.....
72	ANALYSIS OF ALTERNATIVES	10,659	10,659	.....
73	SMALL UNMANNED AERIAL VEHICLE (SUAV) (64)	1,425	1,425	.....
74	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS) ...	95,719	95,719	.....
75	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR	382,147	382,147	.....
76	TECHNOLOGY MATURATION INITIATIVES	269,756	193,886	− 75,870
77	MANEUVER—SHORT RANGE AIR DEFENSE (M—SHORAD)	225,147	214,838	− 10,309
78	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTO- TYPING	198,111	208,111	+ 10,000
79	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	43,797	57,797	+ 14,000
80	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT AND PROTOTYPING	166,452	166,452	.....
81	COUNTER IMPROVISED—THREAT DEMONSTRATION, PROTO- TYPE DEVELOPMENT, AND TESTING	15,840	15,840	.....
82	STRATEGIC MID-RANGE FIRES	404,291	404,291	.....
83	HYPERSONICS	173,168	178,168	+ 5,000
84	FUTURE INTERCEPTOR	8,179	8,179	.....
85	COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS AD- VANCED DEVELOPMENT	35,110	35,110	.....
86	UNIFIED NETWORK TRANSPORT	36,966	36,966	.....
89	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT ...	55,677	55,677	.....
	TOTAL, ADVANCED COMPONENT DEVELOPMENT & PRO- TOTYPES	4,098,749	4,112,183	+ 13,434
	SYSTEM DEVELOPMENT & DEMONSTRATION			
90	AIRCRAFT AVIONICS	3,335	3,335	.....
91	ELECTRONIC WARFARE DEVELOPMENT	4,243	2,180	− 2,063
92	INFANTRY SUPPORT WEAPONS	66,529	80,075	+ 13,546
93	MEDIUM TACTICAL VEHICLES	22,163	22,163	.....
94	JAVELIN	7,870	16,186	+ 8,316
95	FAMILY OF HEAVY TACTICAL VEHICLES	50,924	48,014	− 2,910
96	AIR TRAFFIC CONTROL	2,623	2,623	.....
97	TACTICAL UNMANNED GROUND VEHICLE (TUGV)	115,986	115,986	.....
99	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV	71,287	68,777	− 2,510
100	NIGHT VISION SYSTEMS—ENG/DEV	62,679	92,951	+ 30,272
101	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	1,566	1,566	.....
102	NON-SYSTEM TRAINING DEVICES—ENG/DEV	18,600	18,600	.....
103	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE— ENG/DEV	39,541	55,541	+ 16,000
104	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	29,570	29,570	.....
105	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	5,178	5,178	.....
106	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG/DEV ..	8,189	8,189	.....
109	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	21,228	21,228	.....
110	WEAPONS AND MUNITIONS—ENG/DEV	263,778	263,778	.....
111	LOGISTICS AND ENGINEER EQUIPMENT—ENG/DEV	41,669	52,669	+ 11,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
112	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG/DEV	40,038	45,038	+ 5,000
113	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	5,513	5,513	.....
114	LANDMINE WARFARE/BARRIER—ENG/DEV	12,150	12,150	.....
115	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	111,690	108,399	– 3,291
116	RADAR DEVELOPMENT	71,259	71,259	.....
117	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEB)S	10,402	10,402	.....
119	SOLDIER SYSTEMS—WARRIOR DEM/VAL	11,425	19,425	+ 8,000
120	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS -EMD	109,702	109,702	.....
121	ARTILLERY SYSTEMS—EMD	23,106	28,106	+ 5,000
122	INFORMATION TECHNOLOGY DEVELOPMENT	124,475	85,099	– 39,376
123	INTEGRATED PERSONNEL AND PAY SYSTEM—ARMY (IPPS—A)	67,564	53,373	– 14,191
125	JOINT TACTICAL NETWORK CENTER (JTNC)	17,950	17,950	.....
126	JOINT TACTICAL NETWORK (JTN)	30,169	30,169	.....
128	COMMON INFRARED COUNTERMEASURES (CIRC)	11,523	11,523	.....
130	DEFENSIVE CYBER TOOL DEVELOPMENT	33,029	39,029	+ 6,000
131	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	4,497	4,497	.....
132	CONTRACT WRITING SYSTEM	23,487	13,742	– 9,745
133	AIRCRAFT SURVIVABILITY DEVELOPMENT	19,123	19,123	.....
134	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1	131,093	131,093	.....
135	GROUND ROBOTICS	26,809	26,809	.....
136	EMERGING TECHNOLOGY INITIATIVES	185,311	204,311	+ 19,000
137	BIOMETRICS ENABLING CAPABILITY (BEC)	11,091	11,091	.....
138	NEXT GENERATION LOAD DEVICE—MEDIUM	22,439	22,439	.....
140	TACTICAL INTEL TARGETING ACCESS NODE (TITAN) EMD	58,087	108,987	+ 50,900
141	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION	119,516	143,616	+ 24,100
142	SMALL UNMANNED AERIAL VEHICLE (SUAV) (65)	6,530	6,530	.....
143	MULTI-DOMAIN INTELLIGENCE	19,911	11,508	– 8,403
145	PRECISION STRIKE MISSILE (PRSM)	259,506	259,506	.....
146	HYPERSONICS EMD	633,499	633,499	.....
147	ACCESSIONS INFORMATION ENVIRONMENT (AIE)	13,647	3,414	– 10,233
148	STRATEGIC MID-RANGE CAPABILITY	5,016	5,016	.....
149	INTEGRATED TACTICAL COMMUNICATIONS	12,447	12,447	.....
150	JOINT AIR-TO-GROUND MISSILE (JAGM)	2,366	2,366	.....
151	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	265,288	255,545	– 9,743
152	COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS SYS DEV & DEMONSTRATION	14,892	14,892	.....
153	MANNED GROUND VEHICLE	589,762	577,807	– 11,955
154	NATIONAL CAPABILITIES INTEGRATION (MIP)	17,030	17,030	.....
155	JOINT LIGHT TACTICAL VEHICLE ENG AND MANUFACTURING DEVELOPMENT	9,376	9,376	.....
156	AVIATION GROUND SUPPORT EQUIPMENT	2,959	2,959	.....
157	TROJAN—RH12	3,761	3,761	.....
160	ELECTRONIC WARFARE DEVELOPMENT	56,938	99,938	+ 43,000
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	4,031,334	4,157,048	+ 125,714
161	MANAGEMENT SUPPORT			
161	THREAT SIMULATOR DEVELOPMENT	18,437	126,437	+ 108,000
162	TARGET SYSTEMS DEVELOPMENT	19,132	44,132	+ 25,000
163	MAJOR T&E INVESTMENT	107,706	107,706	.....
164	RAND ARROYO CENTER	35,542	35,542	.....
165	ARMY KWAJALEIN ATOLL	309,005	309,005	.....
166	CONCEPTS EXPERIMENTATION PROGRAM	87,122	87,122	.....
168	ARMY TEST RANGES AND FACILITIES	401,643	417,643	+ 16,000
169	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	37,962	47,962	+ 10,000
170	SURVIVABILITY/LETHALITY ANALYSIS	36,500	36,500	.....
171	AIRCRAFT CERTIFICATION	2,777	4,777	+ 2,000
172	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	6,958	13,958	+ 7,000
173	MATERIEL SYSTEMS ANALYSIS	22,037	22,037	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
174	EXPLOITATION OF FOREIGN ITEMS	6,186	6,186	.....
175	SUPPORT OF OPERATIONAL TESTING	70,718	70,718	.....
176	ARMY EVALUATION CENTER	67,058	67,058	.....
177	ARMY MODELING AND SIMULATION X-CMD COLLABORATION AND INTEG	6,097	6,097	.....
178	PROGRAMWIDE ACTIVITIES	89,793	89,793	.....
179	TECHNICAL INFORMATION ACTIVITIES	28,752	31,752	+ 3,000
180	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	48,316	55,645	+ 7,329
181	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	1,912	1,912	.....
182	ARMY DIRECT REPORT HEADQUARTERS—R&D—MHA	53,271	53,271	.....
183	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	90,088	90,088	.....
184	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	1,424	1,424	.....
186	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	5,816	5,816	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,554,252	1,732,581	+ 178,329
	OPERATIONAL SYSTEMS DEVELOPMENT			
188	MLRS PRODUCT IMPROVEMENT PROGRAM	18,463	18,463	.....
189	ANTI-TAMPER TECHNOLOGY SUPPORT	9,284	9,284	.....
190	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS	11,674	26,674	+ 15,000
193	CHINOOK PRODUCT IMPROVEMENT PROGRAM	52,513	67,513	+ 15,000
194	IMPROVED TURBINE ENGINE PROGRAM	228,036	228,036	.....
195	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT	11,312	11,312	.....
196	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	512	512	.....
197	APACHE FUTURE DEVELOPMENT	10,074	20,074	+ 10,000
198	AN/TPQ-53 COUNTERFIRE TARGET ACQUISITION RADAR SYSTEM	62,559	61,559	- 1,000
199	INTEL CYBER DEVELOPMENT	13,343	13,343	.....
200	ARMY OPERATIONAL SYSTEMS DEVELOPMENT	26,131	26,131	.....
201	ELECTRONIC WARFARE DEVELOPMENT	6,432	6,432	.....
202	FAMILY OF BIOMETRICS	1,114	1,114	.....
203	PATRIOT PRODUCT IMPROVEMENT	152,312	152,312	.....
204	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM	19,329	19,329	.....
205	COMBAT VEHICLE IMPROVEMENT PROGRAMS	192,310	198,810	+ 6,500
206	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	136,680	134,680	- 2,000
208	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	148	148	.....
209	DIGITIZATION	2,100	.....	- 2,100
210	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	3,109	3,109	.....
211	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	9,027	9,027	.....
212	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV	793	793	.....
213	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	20,180	20,180	.....
214	JOINT TACTICAL GROUND SYSTEM	8,813	8,813	.....
217	INFORMATION SYSTEMS SECURITY PROGRAM	17,209	17,209	.....
218	GLOBAL COMBAT SUPPORT SYSTEM	27,100	27,100	.....
219	SATCOM GROUND ENVIRONMENT (SPACE)	18,321	18,321	.....
222	INTEGRATED BROADCAST SERVICE (IBS)	9,926	9,926	.....
223	TACTICAL UNMANNED AERIAL VEHICLES	4,500	4,500	.....
224	AIRBORNE RECONNAISSANCE SYSTEMS	17,165	17,165	.....
227	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	91,270	112,270	+ 21,000
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,181,739	1,244,139	+ 62,400
999	CLASSIFIED PROGRAMS	6,664	6,664	.....
228	DEFENSIVE CYBER—SOFTWARE PROTOTYPE DEVELOPMENT	94,888	94,888	.....
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY	13,710,273	15,496,166	+ 1,785,893

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Research Sciences	279,328	396,828	+ 117,500
	Program increase: Artificial intelligence (AI) fusion			+ 5,000
	Program increase: Basic research			+ 100,000
	Program increase: Counter UAS technology research			+ 5,000
	Program increase: Sustainable aviation fuel propulsion			+ 7,500
2	University Research Initiatives	70,775	170,775	+ 100,000
	Program increase: Defense university research instrumentation program			+ 100,000
3	University and Industry Research Centers	100,909	111,809	+ 10,900
	Program increase: Hypersonic technology research and testing initiative			+ 4,500
	Program increase: Materials in extreme dynamic environments			+ 5,000
	Program increase: Quantum computing technologies			+ 1,400
6	Army Agile Innovation and Development-Applied Research	9,534	1,000	- 8,534
	Undefined acquisition strategy			- 8,534
9	Lethality Technology	87,717	139,717	+ 52,000
	Program increase: Advanced materials and manufacturing for modernization			+ 20,000
	Program increase: Ceramic protection materials			+ 3,000
	Program increase: High temperature polymer composites			+ 10,000
	Program increase: Intelligent next-generation additive manufacturing hub			+ 2,000
	Program increase: Materials processing manufacturing technology			+ 12,000
	Program increase: Universal nanocrystalline alloys			+ 5,000
11	Soldier Lethality Technology	103,839	176,539	+ 72,700
	Program increase: Advanced textiles and shelters			+ 6,000
	Program increase: Artificial Intelligence-enhanced educational technology and learning			+ 5,000
	Program increase: Digital night vision technology			+ 9,700
	Program increase: Enhanced ballistic protective eyewear			+ 5,000
	Program increase: Flat panel technology			+ 2,000
	Program increase: Future force requirement experimentation			+ 10,000
	Program increase: HEROES program			+ 5,000
	Program increase: Military footwear research			+ 10,000
	Program increase: Pathfinder adaptive experimentation force			+ 5,000
	Program increase: Pathfinder cyber initiatives			+ 12,000
	Program increase: Soldier & small unit tactical energy technology			+ 3,000
12	Ground Technology	52,848	209,848	+ 157,000
	Program increase: Advanced ceramic technologies			+ 2,000
	Program increase: Alternative energy research			+ 50,000
	Program increase: Cold region research			+ 5,000
	Program increase: Defense resiliency against extreme cold weather			+ 11,000
	Program increase: Detection and defeat of buried munitions			+ 4,000
	Program increase: Earthen structures soil enhancement			+ 2,000
	Program increase: Extreme batteries research			+ 10,000
	Program increase: Ground technology for chemical and biological defense			+ 1,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Logistics over-the-shore capabilities			+ 10,000
	Program increase: Materials recovery technologies for defense supply resiliency			+ 10,000
	Program increase: Polar proving ground and training program			+ 2,000
	Program increase: Protective coatings			+ 10,000
	Program increase: Rapid advanced deposition			+ 10,000
	Program increase: Rare earth initiative			+ 10,000
	Program increase: Ultra-high density storage			+ 10,000
	Program increase: Verified inherent control			+ 10,000
13	Next Generation Combat Vehicle Technology	174,090	241,590	+ 67,500
	Program increase: Advanced manufacturing for combat logistics support			+ 2,000
	Program increase: Digital design and manufacturing			+ 3,000
	Program increase: Enterprise and cross-functional LVC for accelerated development			+ 8,000
	Program increase: Fast-refueling fuel cell engines			+ 7,000
	Program increase: Hydrogen technologies			+ 15,000
	Program increase: Machine learning optimized power electronics			+ 3,000
	Program increase: Mobility materials research			+ 5,000
	Program increase: Modular electric motors			+ 5,500
	Program increase: Small unit technology advancements			+ 10,000
	Program increase: Structural thermoplastics			+ 6,000
	Program increase: Zero emission combat vehicles			+ 3,000
14	Network C3I Technology	64,115	150,115	+ 86,000
	Program increase: Alternative positioning navigation and timing			+ 19,000
	Program increase: Anti-tamper technology			+ 25,000
	Program increase: Integrated photonics for contested RF environments			+ 14,000
	Program increase: Ku-band phased-array radar employing 5G technology			+ 1,000
	Program increase: Mass-distributed acoustic surveillance network			+ 8,000
	Program increase: Secure electronic packaging			+ 10,000
	Program increase: Social network analysis			+ 5,000
	Program increase: Urban subterranean mapping technology			+ 4,000
15	Long Range Precision Fires Technology	43,029	83,529	+ 40,500
	Program increase: Aluminum lithium alloy solid rocket advancement			+ 15,000
	Program increase: High speed missile materials			+ 10,000
	Program increase: Reactive materials			+ 10,500
	Program increase: Thermodynamic latent propulsion			+ 5,000
16	Future Vertical Lift Technology	69,348	79,348	+ 10,000
	Program increase: Adaptive Flight Control Technology			+ 3,000
	Program increase: Digital twin pathfinder			+ 7,000
17	Air and Missile Defense Technology	27,016	58,016	+ 31,000
	Program increase: Army missile risk-based mission assurance			+ 5,000
	Program increase: Beam control systems and industry grade optical fiber fabrication for energy laser			+ 9,000
	Program increase: Counter-UAS center of excellence			+ 5,000
	Program increase: Cyber electromagnetic activities missile defender			+ 2,000
	Program increase: High energy laser and optical technology			+ 10,000
26	Medical Technology	33,976	61,976	+ 28,000
	Program increase: Biomaterials for combat wound care			+ 3,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Engineered antibodies for skin and soft-tissue infections			+ 5,000
	Program Increase: Peer-reviewed military burn research			+ 10,000
	Program increase: Trauma immunology			+ 10,000
27	Medical Advanced Technology	5,207	20,207	+ 15,000
	Program increase: Head supported mass			+ 5,000
	Program increase: Hearing protection for communications			+ 8,000
	Program increase: Suicide prevention with a focus on rural, remote, isolated, and OCONUS installations ..			+ 2,000
38	Soldier Lethality Advanced Technology	100,935	144,185	+ 43,250
	Program increase: Advanced technology development for MDO to support soldier lethality			+ 15,000
	Program increase: Hypersonic weapon development software			+ 2,000
	Program increase: Hyper enabled soldier lethality			+ 10,000
	Program increase: Shock attenuation and blunt force trauma improvements in headborne systems			+ 5,000
	Program increase: Spectroscopy devices for chem bio detection and deactivation with UV-C			+ 11,250
39	Ground Advanced Technology	32,546	203,546	+ 171,000
	Program increase: 3D Printing of infrastructure—enabling cold weather construction capabilities			+ 5,000
	Program increase: Accelerator technology for ground maneuver			+ 4,000
	Program increase: Advanced coating development for infrastructure			+ 3,000
	Program increase: Anticipating threats to natural systems			+ 6,000
	Program increase: Arctic terrain sensing with drone platforms			+ 10,000
	Program increase: Army visual and tactical arctic reconnaissance			+ 4,000
	Program increase: Autonomous construction and manufacturing			+ 5,000
	Program increase: Bio-derived coatings for high-performance applications			+ 2,000
	Program increase: Cobalt-free batteries			+ 3,000
	Program increase: Cold weather military research			+ 4,000
	Program increase: Competition planning and evaluation infrastructure			+ 8,000
	Program increase: Cross-laminated timber and recycled carbon fiber materials			+ 5,000
	Program increase: Delivered fuel decarbonization and resiliency			+ 5,000
	Program increase: Engineering practices for ecosystem design solutions			+ 6,500
	Program increase: Frost heave effects monitoring			+ 6,000
	Program increase: Graphene applications for military engineering			+ 10,000
	Program increase: Hardened facility standards			+ 5,500
	Program increase: Impacts of soil structures on hydrology			+ 6,000
	Program increase: Innovative design and manufacturing of advanced composites/multi material protective systems			+ 10,000
	Program increase: Logistically-secure energy sources for resilient installation and mobility infrastructure			+ 5,000
	Program increase: Materials and manufacturing technology for cold environments			+ 4,000
	Program increase: Military operations in permafrost environments			+ 3,500

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Military training grounds research to support force readiness			+ 7,000
	Program increase: Operational and cyber resilient power for critical infrastructure			+ 8,000
	Program increase: Power projection			+ 5,000
	Program increase: Rapid entry and sustainment for the arctic			+ 2,500
	Program increase: Rapid track repair			+ 3,000
	Program increase: Solid-state rechargeable lithium batteries			+ 5,000
	Program increase: Sustainable distributed electric vehicle charging station			+ 3,000
	Program increase: Technology pilot for reliability, resilience and energy efficiency			+ 3,000
	Program increase: Water reuse consortium			+ 5,000
	Program increase: Wildfire engineering for sustainability and resilience			+ 6,000
	Program increase: Zero emission concrete			+ 3,000
43	High Performance Computing Modernization Program	251,964	351,964	+ 100,000
	Program increase: High performance computing modernization program			+ 100,000
44	Next Generation Combat Vehicle Advanced Technology	193,242	318,942	+ 125,700
	Program increase: Additive manufacturing for jointless hull			+ 5,000
	Program increase: Augmented reality for denied environments			+ 7,000
	Program increase: Autonomous minefield clearance			+ 8,000
	Program increase: Cybersecurity for autonomous ground vehicles			+ 9,000
	Program increase: Cybersecurity for autonomous vehicles			+ 4,200
	Program increase: Digital enterprise management for OMFV			+ 10,000
	Program increase: Electrified vehicle infrared signature management			+ 5,000
	Program increase: Electron beam additive manufacturing of critical metal ring components			+ 2,000
	Program increase: Enhanced lethality on Army small multipurpose equipment transport			+ 8,000
	Program increase: HMMWV automotive enhancements			+ 9,000
	Program increase: HMMWV occupancy protection development			+ 10,000
	Program increase: Modeling and simulation activities for vehicle development			+ 10,000
	Program increase: Modular electric motors			+ 5,500
	Program increase: Nano-LED fabrication for augmented reality contact lens			+ 10,000
	Program increase: Next generation electrified transmission			+ 5,000
	Program increase: Next generation light tactical vehicle maneuver autonomy			+ 5,000
	Program increase: Predictive maintenance system			+ 2,000
	Program increase: Unmanned navigation technology			+ 3,000
	Program increase: Virtual and physical prototyping			+ 8,000
45	Network C3I Advanced Technology	125,565	178,065	+ 52,500
	Program increase: Advance materials for command post of the future			+ 1,500
	Program increase: Advanced precision, navigation and timing for landing environments			+ 2,500
	Program increase: Alternative navigation for GPS-denied landing environments			+ 4,500
	Program increase: Assured position navigation and timing technology			+ 5,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Human geography repository for commercial civil affairs			+ 5,000
	Program increase: Multi-platform receiver-sensor technology			+ 20,000
	Program increase: Next generation command posts			+ 7,000
	Program increase: Small satellite high altitude launch, integration, test, and evaluation			+ 7,000
46	Long Range Precision Fires Advanced Technology	100,830	132,830	+ 32,000
	Program increase: Hypersonic and strategic materials and structures			+ 8,000
	Program increase: Hypersonic metal alloys			+ 2,000
	Program increase: Maneuvering submunitions for precision strike missile			+ 9,000
	Program increase: Missile multi-agent extensible engagement services			+ 5,000
	Program increase: Super ramjet artillery mission			+ 8,000
47	Future Vertical Lift Advanced Technology	177,836	201,836	+ 24,000
	Program increase: Additive manufacturing capability			+ 2,000
	Program increase: DLC coatings for red phosphorous obscurants			+ 3,000
	Program increase: Platform digitization and maintenance			+ 7,000
	Program increase: Stretch broken carbon fiber			+ 10,000
	Program increase: UAS fuel systems enhancements			+ 2,000
48	Air and Missile Defense Advanced Technology	11,147	79,147	+ 68,000
	Program increase: Palletized counter sUAS HEL weapon system			+ 20,000
	Program increase: HEL for all-terrain vehicles			+ 12,000
	Program increase: Missile AI force application synchronization testbed			+ 8,000
	Program increase: Silicon carbide electronics			+ 8,000
	Program increase: Weapons components advanced technology			+ 20,000
49	Humanitarian Demining	8,933	18,933	+ 10,000
	Program increase			+ 10,000
50	Army Missile Defense Systems Integration	12,001	64,301	+ 52,300
	Effort previously funded			- 7,700
	Program increase: Advanced aerodynamic and instrumentation features and simulation			+ 20,000
	Program increase: AI/ML for integrated fires			+ 2,000
	Program increase: Integration and range testing of gun launched interceptors			+ 3,000
	Program increase: Integrated environmental control and power			+ 5,000
	Program increase: Pragmatic AI and new technology ..			+ 15,000
	Program increase: Sensing, modeling, analysis, requirements, and training			+ 10,000
	Program increase: Weather impacts toolkit			+ 5,000
51	Army Space Systems Integration	17,945	30,945	+ 13,000
	Program increase: Full spectrum protective technologies for cyber mission assurance			+ 8,000
	Program increase: Multi-mission synthetic aperture radar payload development			+ 5,000
53	Landmine Warfare and Barrier—Adv Dev	64,001	56,001	- 8,000
	XM204 testing excess			- 8,000
54	Tank and Medium Caliber Ammunition	64,669	51,569	- 13,100
	Unjustified demonstration			- 13,100
58	Night Vision Systems Advanced Development	18,048	45,478	+ 27,430
	Program increase: Immersive AR/VR for UAS			+ 2,000
	Program increase: IVAS 1.2			+ 16,500
	Program increase: Night vision systems advanced development			+ 4,930
	Program increase: Universal HUD			+ 4,000
59	Environmental Quality Technology—Dem/Val	31,249	52,249	+ 21,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Biopolymers for earthenware structures			+ 1,000
	Program increase: Friction stir additive manufacturing			+ 15,000
	Program increase: Underwater cut and capture demonstration			+ 5,000
61	Aviation—Adv Dev	28,794	22,794	- 6,000
	Maintain FARA ecosystem level of effort			- 6,000
61B	Future Long Range Assault Aircraft (FLRAA)	693,635	728,635	+ 35,000
	Program increase: FLRAA			+ 23,000
	Program increase: Modular communication, command, and control suite			+ 12,000
62	Logistics and Engineer Equipment—Adv Dev	9,638	24,638	+ 15,000
	Program increase: Lightweight portable power generation			+ 3,000
	Program increase: Mobile micro-reactor program			+ 12,000
64	Soldier Systems—Advanced Development	25,971	22,471	- 3,500
	Clothing and equipment unjustified cost growth			- 2,500
	SPE unjustified cost growth			- 1,000
65	Robotics Development	26,594	33,594	+ 7,000
	Program increase: Small unit ground robotic capabilities			+ 7,000
66	Expanded Mission Area Missile (EMAM)	220,820	258,320	+ 37,500
	Excess carryover			- 2,500
	Program increase: IFPC—HEL			+ 40,000
67	Cross Functional Team (CFT) Advanced Development & Prototyping	106,000	1,000	- 105,000
	Unjustified request			- 105,000
70	Multi-Domain Sensing System [MDSS] Adv Dev	49,932	47,915	- 2,017
	Effort previously funded			- 2,017
76	Technology Maturation Initiatives	269,756	193,886	- 75,870
	IVAS previously funded			- 41,170
	Fire control previously funded			- 34,700
77	Maneuver—Short Range Air Defense [M—SHORAD]	225,147	214,838	- 10,309
	Transition efforts early to need			- 10,309
78	Army Advanced Component Development & Prototyping	198,111	208,111	+ 10,000
	Program increase: Materials, manufacturing and machine learning for hypersonics			+ 10,000
79	Assured Positioning, Navigation and Timing [PNT]	43,797	57,797	+ 14,000
	Program increase: AltNav capability			+ 14,000
83	Hypersonics	173,168	178,168	+ 5,000
	Program increase: Near net shape materials			+ 5,000
91	Electronic Warfare Development	4,243	2,180	- 2,063
	EWPMU unjustified requirement			- 2,063
92	Infantry Support Weapons	66,529	80,075	+ 13,546
	NGSW development schedule delays			- 3,954
	Program increase: NGSW commercial magazine testing			+ 5,000
	Program increase: Soldier enhancement program			+ 5,000
	Program increase: Tactical personal area network			+ 7,500
94	JAVELIN	7,870	16,186	+ 8,316
	Transfer: Army-requested transfer from MiP, Army line 11			+ 8,316
95	Family of Heavy Tactical Vehicles	50,924	48,014	- 2,910
	Leader/Follower test support ahead of need			- 2,910
99	Armored Systems Modernization [ASM]—Eng Dev	71,287	68,777	- 2,510
	T&E excess to need			- 2,510
100	Night Vision Systems—Eng Dev	62,679	92,951	+ 30,272
	Night vision device—next ahead of need			- 3,228
	Program increase: IVAS 1.2			+ 33,500
103	Air Defense Command, Control and Intelligence—Eng Dev	39,541	55,541	+ 16,000
	Carryover			- 4,000
	Program increase: Software integration digital ecosystem			+ 20,000
111	Logistics and Engineer Equipment—Eng Dev	41,669	52,669	+ 11,000
	Transfer: Functional transfer from OP, Army line 152			+ 7,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Deployable, energy efficient, rigid wall shelter			+ 4,000
112	Command, Control, Communications Systems—Eng Dev	40,038	45,038	+ 5,000
	Program increase: Mounted mission control			+ 5,000
115	Army Tactical Command & Control Hardware & Software	111,690	108,399	- 3,291
	Maintain AIC level of effort			- 3,291
119	Soldier Systems—Warrior Dem/Val	11,425	19,425	+ 8,000
	Program increase: Conformal wearable battery			+ 5,000
	Program increase: Wearable fuel cell development			+ 3,000
121	Artillery Systems—EMD	23,106	28,106	+ 5,000
	Program increase: Soft recoil for extended range artillery systems			+ 5,000
122	Information Technology Development	124,475	85,099	- 39,376
	ATIS development early to need			- 39,376
123	Integrated Personnel and Pay System-Army [IPPS-A]	67,564	53,373	- 14,191
	R4 development ahead of need			- 14,191
130	Defensive CYBER Tool Development	33,029	39,029	+ 6,000
	Program increase: Multi-factor authentication for cyber security			+ 6,000
132	Contract Writing System	23,487	13,742	- 9,745
	ACWS development excess to need			- 9,745
136	Emerging Technology Initiatives	185,311	204,311	+ 19,000
	Program increase: Autonomous offensive swarming			+ 9,000
	Program increase: Counter UAS technologies			+ 5,000
	Program increase: Palletized high energy laser			+ 5,000
140	Tactical Intel Targeting Access Node [TITAN] EMD	58,087	108,987	+ 50,900
	Transfer: Army-requested transfer from OP, Army line 62			+ 50,900
141	Army System Development & Demonstration	119,516	143,616	+ 24,100
	Program increase: Joint cyberspace warfighting architecture			+ 24,100
143	Multi-Domain Intelligence	19,911	11,508	- 8,403
	CK4 Early to need			- 8,403
147	Accessions Information Environment [AIE]	13,647	3,414	- 10,233
	AIE development excess to need			- 10,233
151	Army Integrated Air and Missile Defense [AIAMD]	265,288	255,545	- 9,743
	Beyond IOC testing ahead of need			- 11,743
	Program increase: Kill chain automation			+ 2,000
153	Manned Ground Vehicle	589,762	577,807	- 11,955
	Maintain program management level of effort			- 11,955
160	Electronic Warfare Development	56,938	99,938	+ 43,000
	Transfer: Army-requested transfer from OP, Army line 64			+ 38,000
	Program increase: Service tactical signal intelligence (SIGINT) upgrades			+ 5,000
161	Threat Simulator Development	18,437	126,437	+ 108,000
	Program increase: Cybersecurity operations center			+ 90,500
	Program increase: Supply chain illumination to counter emerging threats			+ 5,000
	Program increase: UAS center of excellence			+ 12,500
162	Target Systems Development	19,132	44,132	+ 25,000
	Program increase: UAS swarm threat representation, detection, and mitigation			+ 25,000
168	Army Test Ranges and Facilities	401,643	417,643	+ 16,000
	Program increase: Environmental characteristics for test operations			+ 4,000
	Program increase: Enhanced environment for MDO cyber testing			+ 12,000
169	Army Technical Test Instrumentation and Targets	37,962	47,962	+ 10,000
	Program increase: RAMP-T			+ 10,000
171	Aircraft Certification	2,777	4,777	+ 2,000
	Program increase: Big data analytics			+ 2,000
172	Meteorological Support to RDT&E Activities	6,958	13,958	+ 7,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: AI/ML materials for sensors and electronics			+ 7,000
179	Technical Information Activities	28,752	31,752	+ 3,000
	Program increase: Technology transfer efforts			+ 3,000
180	Munitions Standardization, Effectiveness and Safety	48,316	55,645	+ 7,329
	Carryover			- 5,671
	Program increase: Neutron radiography technologies ..			+ 5,000
	Program increase: Agile manufacturing for advanced armament systems			+ 8,000
190	Weapons and Munitions Product Improvement Programs	11,674	26,674	+ 15,000
	Program increase: Smart manufacturing for armaments			+ 5,000
	Program increase: Refractory metal alloys for hypersonics			+ 10,000
193	Chinook Product Improvement Program	52,513	67,513	+ 15,000
	Program increase: CH-47 engine enhancement			+ 15,000
197	Apache Future Development	10,074	20,074	+ 10,000
	Program increase: AH-64 Modernization			+ 10,000
198	AN/TQ-53 Counterfire Target Acquisition Radar System	62,559	61,559	- 1,000
	Maintain program management level of effort			- 1,000
205	Combat Vehicle Improvement Programs	192,310	198,810	+ 6,500
	Program increase: Wireless intercommunication system encryption			+ 6,500
206	155mm Self-Propelled Howitzer Improvements	136,680	134,680	- 2,000
	Maintain program management level of effort			- 2,000
209	Digitization	2,100		- 2,100
	Carryover			- 2,100
227	End Item Industrial Preparedness Activities	91,270	112,270	+ 21,000
	Program increase: Improved additive manufacturing qualifications methods for Army aviation			+ 10,000
	Program increase: Isostatic pressure armor			+ 6,000
	Program increase: Lightweight transparent film armor			+ 5,000

Serial Bus Cyber Vulnerabilities.—U.S. Army weapons platforms require cyber resilience as a key performance parameter of system survivability especially in compromised or contested cyber environments. To meet this requirement, the Committee encourages the Secretary of the Army to implement technology solutions on existing platforms, such as stryker vehicles, as well as new weapons systems, that will develop, integrate, and demonstrate secure communication technologies using secure digital bus subsystems while minimizing performance degradation. These technology solutions are especially critical to the resiliency and survivability of weapons platforms that implement common bus dependent architectures like Modular Open Systems Approach, while operating in cyber-contested environments. Army labs and centers within Army Futures Command, Combat Capabilities Development Command, along with affiliated industry partners, possess the competencies and infrastructure to enable maturation and transition of such technologies to weapon system program managers.

Diversity of the Research and Engineering Workforce.—The Committee notes that section 229 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-333) directed the Secretary of Defense to develop and implement a plan to diversify and strengthen the Department's science, technology, research, and engineering workforce using existing programs and authorities. The Department of the Army's Ground Vehicle Systems Center is com-

mended for diversifying its workforce by developing non-traditional partnerships to actively recruit women and minorities into its organization by collaborating with non-profit and academic research institutions. The Committee encourages the Secretary of the Army to maintain their efforts in critical research areas while diversifying its workforce.

Enhanced Soldier Ballistic Technologies.—The Committee strongly supports the further focused development of enhanced soldier ballistic protection technologies through essential research that will allow for the identification and development of new protection systems for the warfighter. The Committee supports continued investments in the Army's Physics of Soldier Protection for Defeat of Evolving Threats program and its focus in advanced composite, ceramic, film, fiber, and fabric materials for personal protective equipment, as well as modeling of failures from ballistic penetration, improvements to traditional hard plates, and kinetic defeat options. Continued advancements in personal protection systems for the warfighter is essential to maintain the safety of our warfighters against the evolving ballistic capabilities of our adversaries.

Extreme Cold Weather Research.—The Committee notes the impact of extreme cold weather on military infrastructure (roads, runways, and protective berms) in regions where these weather conditions pose challenges for U.S. military operations, limiting the broad superiority of the U.S. Army in extreme cold weather. To increase the Army's ability to map remote extreme cold regions, ensure the Army superiority in extreme cold regions particularly in next generation combat vehicle and future vertical lift missions, and reduce the deterioration of the infrastructure due to freeze-thaw cycles, the Committee encourages research into extreme cold regions resiliency.

Materials Recovery Technologies for Defense Supply Resiliency.—The Committee encourages the Department of Defense to implement a materials recovery technology research program that will utilize core recovery technologies to recover defense-critical materials from the domestic solid waste stream; optimize and facilitate increased battery recycling; and develop methods and tools for reclaiming metals at forward operating bases.

Small Unit Technology Advancements.—The Committee strongly supports the development of small unit technology advancements to ensure the superiority of the family of next-generation ground combat vehicles with enhanced survivability, supported by advances in autonomy, learning, novel mechanism, and sensor fusion capabilities.

Rapidly Deployable Synthetic Vaccine Development.—The Committee notes the significant advancements in vaccine development and the need to quickly distribute infectious disease countermeasures to protect servicemembers deployed worldwide. The Committee encourages the Department of Defense to research the viability of rapidly deploying highly-scalable synthetic peptide vaccines against infectious diseases to military personnel.

Preventing Infection in Severe Fractures.—The Committee supports medical research into infections that could positively impact servicemembers who suffer severe bone fractures, especially preva-

lent among special operators, airborne, and air assault forces. Such research could speed both the servicemember's recovery from injury and return to duty.

Burn Care Training Curriculum.—The Committee commends the Army for providing essential burn care to the combat-injured and for continuously improving survival rates and outcomes. Burn injuries resulting from military conflict remains a major challenge and deploying care providers require enhanced burn care skills to improve patient outcomes in the event of burn disasters. The Committee recognizes the opportunity to build upon civilian academic burn education for the unique needs of the military and urges the Army to partner with experienced civilian academic burn educators to develop and validate an enhanced training pre-deployment military burn care curriculum.

Analysis of Competition and Calibrated Force Structure.—The Committee strongly supports Army development of needed multidisciplinary analytical simulations, tools, and associated metrics to obtain a fuller understanding of the force-structure and equipment tradeoffs associated with the competition and calibrated force structure aspects of the new multi-domain operations doctrine.

Artificial Intelligence and Assistive Automation System.—The Committee strongly supports extension of the artificial intelligence and assistive automation system [AI/AA] analytical framework and associated metrics to obtain a fuller understanding of the broad scope of AI/AA applications for mission command in the foreseen multi-domain operations environment.

Digital Engineering and Sustainment Modernization.—The Committee is concerned that a combination of parts obsolescence and inefficient processes is lengthening the time necessary to sustain Army aviation platforms, resulting in lower readiness and frustrated maintenance personnel. The Committee recognizes the potential for digital engineering and data-driven solutions to address such sustainment challenges and encourages the Secretary of the Army to explore aviation sustainment modernization technologies.

Advanced Combat Engine.—The Committee applauds the Army's development of a more fuel-efficient, lower emission, and cost-efficient engine to support next generation combat vehicles. The Committee encourages the Secretary of the Army to continue advanced development and transition to fielding of this critical capability.

Wire Arc Additive Manufacturing for Environmental Quality Technology.—The Committee supports the development of wire arc additive manufacturing of optimized multi-metal components for the future of U.S. combat systems. This research is key to maintaining a strong lead in the race for innovation against near-peer competitors.

Robotic Combat Vehicle-Medium.—The Department of Defense Appropriations Act, 2022 (Public Law 117-103) added \$20,000,000 to procure additional Robotic Combat Vehicle—Medium [RCV-M] test assets for experimentation by U.S. Army Forces Command [FORSCOM] via soldier evaluations at the company level. The Committee recognizes the importance of such experimentation in shaping future doctrine, concepts of operation, tactics, techniques, and procedures, and requirements for follow-on robotic platforms and therefore directs the Secretary of the Army, through

FORSCOM, to utilize all available RCV–M assets in the aforementioned experiments.

Smart Manufacturing for Armaments.—The Committee understands that there is a need for the Department of Defense to integrate smart manufacturing technologies to produce armaments within a distributed, resilient domestic supply chain. As the Army seeks to increase performance of armament technology to outpace development efforts of near-peer competitors, the ability to manufacture high-quality products efficiently and securely is important to the warfighter. Investment in smart manufacturing capabilities, such as hybrid additive manufacturing and machine learning, should be a priority for the Combat Capabilities Development Command Armaments Center.

Extended Range Guided Multiple Launch Rocket System.—The Committee notes that the Army is analyzing cost reduction initiatives for the Extended Range Guided Multiple Launch Rocket System [GMLRS] modification. GMLRS is proving essential in Ukraine’s fight against Russia and the Committee believes an extended range variant will provide a critical capability in future military operations. The Committee encourages the Secretary of the Army to continue development of the extended range GMLRS and to examine all cost reduction measures, including qualification of a second source for the solid rocket motor.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Budget estimate, 2023	\$24,082,618,000
Committee recommendation	24,445,418,000

The Committee recommends an appropriation of \$24,445,418,000. This is \$362,800,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(In thousands of dollars)

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY			
	BASIC RESEARCH			
1	UNIVERSITY RESEARCH INITIATIVES	90,076	199,876	+ 109,800
3	DEFENSE RESEARCH SCIENCES	499,116	606,916	+ 107,800
	TOTAL, BASIC RESEARCH	589,192	806,792	+ 217,600
	APPLIED RESEARCH			
4	POWER PROJECTION APPLIED RESEARCH	22,953	22,953	.....
5	FORCE PROTECTION APPLIED RESEARCH	133,426	303,076	+ 169,650
6	MARINE CORPS LANDING FORCE TECHNOLOGY	53,467	67,467	+ 14,000
7	COMMON PICTURE APPLIED RESEARCH	51,911	51,911	.....
8	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	70,957	104,707	+ 33,750
9	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	92,444	120,444	+ 28,000
10	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	74,622	122,622	+ 48,000
11	JOINT NON–LETHAL WEAPONS APPLIED RESEARCH	6,700	6,700	.....
12	UNDERSEA WARFARE APPLIED RESEARCH	58,111	85,111	+ 27,000
13	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	173,641	177,141	+ 3,500

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	31,649	41,649	+ 10,000
15	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH ..	120,637	150,637	+ 30,000
16	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR HEAD- QUARTERS	81,296	81,296	.....
	TOTAL, APPLIED RESEARCH	971,814	1,335,714	+ 363,900
	ADVANCED TECHNOLOGY DEVELOPMENT			
17	FORCE PROTECTION ADVANCED TECHNOLOGY	16,933	33,933	+ 17,000
18	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	8,253	13,253	+ 5,000
19	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	280,285	358,985	+ 78,700
20	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	14,048	14,048	.....
21	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DE- VELOPMENT	251,267	264,267	+ 13,000
22	MANUFACTURING TECHNOLOGY PROGRAM	60,704	71,704	+ 11,000
23	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	4,999	4,999	.....
24	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS ...	83,137	83,137	.....
25	MINE AND EXPEDITIONARY WARFARE ADVANCED TECH- NOLOGY	2,007	2,007	.....
26	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECH- NOLOGY DEVELOPMENT	144,122	210,422	+ 66,300
26A	SCIENCE & TECHNOLOGY FOR NUCLEAR RE-ENTRY SYS- TEMS .....	.....	65,735	+ 65,735
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	865,755	1,122,490	+ 256,735
	ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES			
27	UNMANNED AERIAL SYSTEM	96,883	98,883	+ 2,000
28	LARGE UNMANNED SURFACE VEHICLES (LUSV)	146,840	122,323	- 24,517
29	AIR/OCEAN TACTICAL APPLICATIONS	39,737	42,737	+ 3,000
30	AVIATION SURVIVABILITY	17,434	17,434	.....
31	NAVAL CONSTRUCTION FORCES	1,706	1,706	.....
33	ASW SYSTEMS DEVELOPMENT	15,986	15,986	.....
34	TACTICAL AIRBORNE RECONNAISSANCE	3,562	3,562	.....
35	ADVANCED COMBAT SYSTEMS TECHNOLOGY	18,628	71,628	+ 53,000
36	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	87,825	79,647	- 8,178
37	SURFACE SHIP TORPEDO DEFENSE	473	473	.....
38	CARRIER SYSTEMS DEVELOPMENT	11,567	11,567	.....
39	PILOT FISH	672,461	672,461	.....
40	RETRACT LARCH	7,483	7,483	.....
41	RETRACT JUNIPER	239,336	239,336	.....
42	RADIOLOGICAL CONTROL	772	772	.....
43	SURFACE ASW	1,180	1,180	.....
44	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	105,703	110,703	+ 5,000
45	SUBMARINE TACTICAL WARFARE SYSTEMS	10,917	10,917	.....
46	SHIP CONCEPT ADVANCED DESIGN	82,205	86,205	+ 4,000
47	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	75,327	75,327	.....
48	ADVANCED NUCLEAR POWER SYSTEMS	227,400	227,400	.....
49	ADVANCED SURFACE MACHINERY SYSTEMS	176,600	185,600	+ 9,000
50	CHALK EAGLE	91,584	91,584	.....
51	LITTORAL COMBAT SHIP (LCS)	96,444	96,444	.....
52	COMBAT SYSTEM INTEGRATION	18,236	18,236	.....
53	OHIO REPLACEMENT	335,981	335,981	.....
54	LCS MISSION MODULES	41,533	31,707	- 9,826
55	AUTOMATED TEST AND RE-TEST	9,773	9,773	.....
56	FRIGATE DEVELOPMENT	118,626	108,626	- 10,000
57	CONVENTIONAL MUNITIONS	9,286	9,286	.....
58	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	111,431	111,431	.....
59	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	36,496	36,496	.....
60	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	6,193	6,193	.....
61	ENVIRONMENTAL PROTECTION	21,647	21,647	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
62	NAVY ENERGY PROGRAM	60,320	65,320	+ 5,000
63	FACILITIES IMPROVEMENT	5,664	5,664	.....
64	CHALK CORAL	833,634	753,634	- 80,000
65	NAVY LOGISTIC PRODUCTIVITY	899	899	.....
66	RETRACT MAPLE	363,973	363,973	.....
67	LINK PLUMERIA	1,038,661	988,861	- 49,800
68	RETRACT ELM	83,445	83,445	.....
69	LINK EVERGREEN	313,761	313,761	.....
70	NATO RESEARCH AND DEVELOPMENT	8,041	8,041	.....
71	LAND ATTACK TECHNOLOGY	358	358	.....
72	JOINT NON-LETHAL WEAPONS TESTING	30,533	30,533	.....
73	JOINT PRECISION APPROACH AND LANDING SYSTEMS	18,628	18,628	.....
74	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	65,080	65,080	.....
75	FA-18 INFRARED SEARCH AND TRACK (IRST)	40,069	55,069	+ 15,000
76	DIGITAL WARFARE OFFICE	165,753	165,753	.....
77	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	106,347	102,289	- 4,058
78	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES	60,697	60,697	.....
79	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION	57,000	50,580	- 6,420
81	GERALD R FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78-80)	116,498	105,255	- 11,243
82	LITTORAL AIRBORNE MCM	47,389	30,240	- 17,149
83	SURFACE MINE COUNTERMEASURES	12,959	12,959	.....
84	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES	15,028	15,028	.....
85	NEXT GENERATION LOGISTICS	2,342	2,342	.....
86	FUTURE VERTICAL LIFT (MARITIME STRIKE)	5,103	5,103	.....
87	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	62,927	67,927	+ 5,000
88	LX (R)	26,630	18,830	- 7,800
89	ADVANCED UNDERSEA PROTOTYPING	116,880	94,872	- 22,008
90	COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS)	7,438	7,438	.....
91	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	84,734	34,843	- 49,891
92	SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINE	10,229	10,229	.....
93	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	124,204	223,826	+ 99,622
94	MEDIUM UNMANNED SURFACE VEHICLES (MUSVS)	104,000	86,443	- 17,557
95	UNMANNED SURFACE VEHICLE ENABLING CAPABILITIES	181,620	181,620	.....
96	GROUND BASED ANTI-SHIP MISSILE	43,090	43,090	.....
97	LONG RANGE FIRES	36,693	36,693	.....
98	CONVENTIONAL PROMPT STRIKE (CPS)	1,205,041	1,205,041	.....
99	ASW SYSTEMS DEVELOPMENT—MIP	9,856	9,856	.....
100	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	1,735	11,735	+ 10,000
101	ELECTRONIC WARFARE DEVELOPMENT—MIP	796	796	.....
	TOTAL, DEMONSTRATION & VALIDATION	8,405,310	8,297,485	- 107,825
	SYSTEM DEVELOPMENT & DEMONSTRATION			
102	TRAINING SYSTEM AIRCRAFT	15,128	15,128	.....
103	MARITIME TARGETING CELL	39,600	89,600	+ 50,000
104	OTHER HELO DEVELOPMENT	66,010	66,010	.....
105	AV-8B AIRCRAFT—ENG DEV	9,205	9,205	.....
106	STANDARDS DEVELOPMENT	3,766	3,766	.....
107	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	44,684	54,684	+ 10,000
108	P-3 MODERNIZATION PROGRAM	343	343	.....
109	WARFARE SUPPORT SYSTEM	12,337	16,337	+ 4,000
110	COMMAND AND CONTROL SYSTEMS	143,575	143,575	.....
111	ADVANCED HAWKEYE	502,956	522,956	+ 20,000
112	H-1 UPGRADES	43,759	43,759	.....
113	ACOUSTIC SEARCH SENSORS	50,231	50,231	.....
114	V-22A	125,233	125,233	.....
115	AIR CREW SYSTEMS DEVELOPMENT	43,282	43,282	.....
116	EA-18	116,589	116,589	.....
117	ELECTRONIC WARFARE DEVELOPMENT	141,138	141,138	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
118	EXECUTIVE HELO DEVELOPMENT	45,645	45,645	.....
119	NEXT GENERATION JAMMER (NGJ)	54,679	54,679	.....
120	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS—NAVY)	329,787	334,787	+ 5,000
121	NEXT GENERATION JAMMER (NGJ) INCREMENT II	301,737	135,467	− 166,270
122	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	347,233	345,489	− 1,744
124	SMALL DIAMETER BOMB (SDB)	42,881	42,881	.....
125	STANDARD MISSILE IMPROVEMENTS	319,943	309,943	− 10,000
126	AIRBORNE MCM	10,882	10,882	.....
127	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYS- TEMS ENGINEERING	45,892	45,892	.....
128	ADVANCED SENSORS APPLICATION PROGRAM (ASAP) .....	.....	13,000	+ 13,000
129	ADVANCED ABOVE WATER SENSORS	81,254	61,387	− 19,867
130	SSN-688 AND TRIDENT MODERNIZATION	93,501	93,501	.....
131	AIR CONTROL	39,138	39,138	.....
132	SHIPBOARD AVIATION SYSTEMS	11,759	11,759	.....
133	COMBAT INFORMATION CENTER CONVERSION	11,160	16,160	+ 5,000
134	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	87,459	76,470	− 10,989
135	ADVANCED ARRESTING GEAR (AAG)	151	151	.....
136	NEW DESIGN SSN	307,585	309,585	+ 2,000
137	SUBMARINE TACTICAL WARFARE SYSTEM	58,741	58,741	.....
138	SHIP CONTRACT DESIGN/LIVE FIRE T&E	60,791	60,791	.....
139	NAVY TACTICAL COMPUTER RESOURCES	4,177	4,177	.....
140	MINE DEVELOPMENT	60,793	60,793	.....
141	LIGHTWEIGHT TORPEDO DEVELOPMENT	142,000	135,500	− 6,500
142	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	8,618	8,618	.....
143	USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS—ENG DEV	45,025	45,025	.....
144	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS JOINT STANDOFF WEAPON SYSTEMS	7,454 758	7,454 758	..........
146	SHIP SELF DEFENSE (DETECT & CONTROL)	159,426	159,426	.....
147	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	71,818	58,068	− 13,750
148	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	92,687	92,687	.....
149	INTELLIGENCE ENGINEERING	23,742	23,742	.....
150	MEDICAL DEVELOPMENT	3,178	6,178	+ 3,000
151	NAVIGATION/ID SYSTEM	53,209	60,209	+ 7,000
152	JOINT STRIKE FIGHTER (JSF)—EMD	611	611	.....
153	JOINT STRIKE FIGHTER (JSF)—EMD	234	234	.....
154	SSN(X)	143,949	93,234	− 50,715
155	MARINE CORPS INFORMATION TECHNOLOGY DEVELOPMENT INFORMATION TECHNOLOGY DEVELOPMENT	11,361 290,353	11,361 295,353	..... + 5,000
157	ANTI-TAMPER TECHNOLOGY SUPPORT	7,271	7,271	.....
158	TACAMO MODERNIZATION	554,193	489,193	− 65,000
159	CH-53K	220,240	182,294	− 37,946
160	MISSION PLANNING	71,107	71,107	.....
161	COMMON AVIONICS	77,960	77,960	.....
162	SHIP TO SHORE CONNECTOR (SSC)	2,886	12,886	+ 10,000
163	T-AO 205 CLASS	220	220	.....
164	UNMANNED CARRIER AVIATION	265,646	223,746	− 41,900
165	JOINT AIR-TO-GROUND MISSILE (JAGM)	371	371	.....
166	MULTI-MISSION MARITIME AIRCRAFT (MMA)	37,939	37,939	.....
167	MULTI-MISSION MARITIME AIRCRAFT (MMA) INCREMENT 3 ..	161,697	161,697	.....
168	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION	94,569	94,569	.....
169	JOINT LIGHT TACTICAL VEHICLE (LTV) SYSTEM DEVELOP- MENT & DEMONSTRATION	2,856	2,856	.....
170	DDG-1000	197,436	150,556	− 46,880
171	COUNTERING ADVANCED CONVENTIONAL WEAPONS (CACW)	12,341	12,341	.....
175	ISR & INFO OPERATIONS	135,366	135,366	.....
176	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	37,038	37,038	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOP- MENT	6,606,583	6,269,022	− 337,561

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	MANAGEMENT SUPPORT			
177	THREAT SIMULATOR DEVELOPMENT	29,430	29,430	.....
178	TARGET SYSTEMS DEVELOPMENT	13,708	28,708	+ 15,000
179	MAJOR T&E INVESTMENT	95,316	135,316	+ 40,000
180	STUDIES AND ANALYSIS SUPPORT—NAVY	3,286	3,286	.....
181	CENTER FOR NAVAL ANALYSES	40,624	40,624	.....
183	TECHNICAL INFORMATION SERVICES	987	987	.....
184	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	105,152	110,152	+ 5,000
185	STRATEGIC TECHNICAL SUPPORT	3,787	3,787	.....
186	RDT&E SHIP AND AIRCRAFT SUPPORT	173,352	173,352	.....
187	TEST AND EVALUATION SUPPORT	468,281	469,281	+ 1,000
188	OPERATIONAL TEST AND EVALUATION CAPABILITY	27,808	27,808	.....
189	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT ...	27,175	27,175	.....
190	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	7,186	7,186	.....
191	MARINE CORPS PROGRAM WIDE SUPPORT	39,744	39,744	.....
192	MANAGEMENT HEADQUARTERS—R&D	40,648	40,648	.....
193	WARFARE INNOVATION MANAGEMENT	52,060	52,060	.....
194	INSIDER THREAT	2,315	2,315	.....
195	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)	1,811	1,811	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,132,670	1,193,670	+ 61,000
	OPERATIONAL SYSTEMS DEVELOPMENT			
198	SCIENCE & TECHNOLOGY FOR NUCLEAR RE-ENTRY SYSTEMS	65,735	.....	- 65,735
201	F-35 C2D2	525,338	512,282	- 13,056
202	F-35 C2D2	491,513	479,615	- 11,898
203	MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS	48,663	52,663	+ 4,000
204	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	156,121	156,121	.....
205	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	284,502	302,502	+ 18,000
206	SSBN SECURITY TECHNOLOGY PROGRAM	50,939	50,939	.....
207	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	81,237	81,237	.....
208	NAVY STRATEGIC COMMUNICATIONS	49,424	49,424	.....
209	F/A-18 SQUADRONS	238,974	212,229	- 26,745
210	SURFACE SUPPORT	12,197	57,197	+ 45,000
211	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	132,719	99,565	- 33,154
212	INTEGRATED SURVEILLANCE SYSTEM	68,417	84,017	+ 15,600
213	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS	1,188	1,188	.....
214	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT)	1,789	1,789	.....
215	GROUND/AIR TASK ORIENTED RADAR	61,422	61,422	.....
216	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	70,339	80,339	+ 10,000
217	ELECTRONIC WARFARE (EW) READINESS SUPPORT	47,436	47,436	.....
218	ANTI-RADIATION MISSILE IMPROVEMENT	90,779	78,479	- 12,300
219	SURFACE ASW COMBAT SYSTEM INTEGRATION	28,999	28,999	.....
220	MK-48 ADCAP	155,868	155,868	.....
221	AVIATION IMPROVEMENTS	130,450	136,450	+ 6,000
222	OPERATIONAL NUCLEAR POWER SYSTEMS	121,439	121,439	.....
223	MARINE CORPS COMMUNICATIONS SYSTEMS	114,305	114,305	.....
224	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S)	14,865	14,865	.....
225	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	100,536	106,036	+ 5,500
226	MARINE CORPS COMBAT SERVICES SUPPORT	26,522	26,522	.....
227	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	51,976	51,976	.....
228	AMPHIBIOUS ASSAULT VEHICLE	8,246	8,246	.....
229	TACTICAL AIM MISSILES	29,236	29,236	.....
230	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	30,898	30,898	.....
231	PLANNING AND DECISION AID SYSTEM (PDAS)	3,609	3,609	.....
236	AFLOAT NETWORKS	45,693	45,693	.....
237	INFORMATION SYSTEMS SECURITY PROGRAM	33,752	33,752	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
238	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES	8,415	8,415	.....
239	TACTICAL UNMANNED AERIAL VEHICLES	10,576	10,576	.....
240	UAS INTEGRATION AND INTEROPERABILITY	18,373	12,396	- 5,977
241	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	45,705	45,705	.....
242	MQ-4C TRITON	13,893	13,893	.....
244	RQ-11 UAV	1,234	1,234	.....
245	SMALL (LEVEL 0) TACTICAL UAS (STUASLO)	3,761	3,761	.....
247	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	56,261	56,261	.....
248	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	9,780	9,780	.....
249	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT ...	36,505	36,505	.....
250	RQ-4 MODERNIZATION	163,277	150,093	- 13,184
251	INTELLIGENCE MISSION DATA (IMD)	851	851	.....
252	MODELING AND SIMULATION SUPPORT	9,437	9,437	.....
253	DEPOT MAINTENANCE (NON-IF)	26,248	26,248	.....
254	MARITIME TECHNOLOGY (MARITECH)	2,133	2,133	.....
9999	CLASSIFIED PROGRAMS	1,705,711	1,692,611	- 13,100
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	5,487,286	5,396,237	- 91,049
256	RISK MANAGEMENT INFORMATION—SOFTWARE PILOT PRO- GRAM	12,810	12,810	.....
257	MARITIME TACTICAL COMMAND AND CONTROL (MTC2)— SOFTWARE PILOT PROGRAM	11,198	11,198	.....
	TOTAL, SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS	24,008	24,008	.....
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUA- TION, NAVY	24,082,618	24,445,418	+ 362,800

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	University Research Initiatives	90,076	199,876	+ 109,800
	Program increase: Defense university research instru- mentation program .....	.....	.....	+ 100,000
	Program increase: Output power for all digital arrays for long-distance application .....	.....	.....	+ 9,800
3	Defense Research Sciences	499,116	606,916	+ 107,800
	Program increase: Basic research .....	.....	.....	+ 100,000
	Program increase: Improved stern tube seals .....	.....	.....	+ 1,800
	Program increase: Multifunctional structural batteries .....	.....	.....	+ 3,000
	Program increase: Predictive modeling for next gen- eration undersea vehicles .....	.....	.....	+ 3,000
5	Force Protection Applied Research	133,426	303,076	+ 169,650
	Program increase: Alternative energy research .....	.....	.....	+ 50,000
	Program increase: Arctic energy resiliency .....	.....	.....	+ 10,000
	Program increase: Bonded metal matrix composite re- pair .....	.....	.....	+ 5,000
	Program increase: Cavitation erosion .....	.....	.....	+ 5,000
	Program increase: Corrosion control coatings and ma- terial .....	.....	.....	+ 5,000
	Program increase: Cyberphysical security resiliency ...	.....	.....	+ 7,000
	Program increase: Direct air capture and blue carbon removal .....	.....	.....	+ 10,000
	Program increase: Energy resiliency .....	.....	.....	+ 8,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Intelligent data management for distributed Naval platforms			+ 10,500
	Program increase: Materials by design for Navy aircraft sustainment			+ 5,000
	Program increase: Relative positioning of autonomous platforms			+ 5,000
	Program increase: Resilient innovative sustainable economies via university partnerships			+ 9,000
	Program increase: sUAS degraded environment facility			+ 12,650
	Program increase: Talent and technology for Navy power systems			+ 10,500
	Program increase: Universal achemetal titanium process			+ 12,000
	Program increase: Unmanned surface vehicle			+ 5,000
6	Marine Corps Landing Force Technology	53,467	67,467	+ 14,000
	Program increase: 5G biometric installation access control demonstration			+ 4,000
	Program increase: Modular multi-mode autonomous seeker			+ 10,000
8	Warfighter Sustainment Applied Research	70,957	104,707	+ 33,750
	Program increase: Anti-corrosion nanotechnology			+ 10,000
	Program increase: Chromate-free corrosion inhibitor coatings for marine applications			+ 1,750
	Program increase: Hypersonic materials acceleration ..			+ 5,000
	Program increase: Long-term underwater autonomy ...			+ 5,000
	Program increase: Physics based neutralization of threats to human tissues and organs			+ 3,000
	Program increase: Polymer coatings for reduced ice and fouling adhesion			+ 5,000
	Program increase: Ultra-compact heat exchangers			+ 4,000
9	Electromagnetic Systems Applied Research	92,444	120,444	+ 28,000
	Program increase: Dark swarm in degraded in denied environments			+ 6,000
	Program increase: Mini-full spectrum hyperspectral sensors for IEDs			+ 7,000
	Program increase: Open systems architecture for electronic warfare chiplets			+ 15,000
10	Ocean Warfighting Environment Applied Research	74,622	122,622	+ 48,000
	Program increase: Long Endurance Uncrewed Surface Vehicles			+ 35,000
	Program increase: Ocean acoustics for monitoring			+ 8,000
	Program increase: Task force ocean			+ 5,000
12	Undersea Warfare Applied Research	58,111	85,111	+ 27,000
	Program increase: Mobile test-bed for UUVs			+ 3,000
	Program increase: Undersea sensing and communications			+ 4,000
	Program increase: Undersea workforce technology			+ 20,000
13	Future Naval Capabilities Applied Research	173,641	177,141	+ 3,500
	Program increase: Operational readiness via next-generation satellites			+ 3,500
14	Mine and Expeditionary Warfare Applied Research	31,649	41,649	+ 10,000
	Program increase: Solid state magnetic gradiometers for UUVs			+ 10,000
15	Innovative Naval Prototypes [INP] Applied Research	120,637	150,637	+ 30,000
	Program increase: Alternative Concept of Operations (CONOPS)			+ 30,000
17	Force Protection Advanced Technology	16,933	33,933	+ 17,000
	Program increase: Design and simulation for additive technologies			+ 10,000
	Program increase: Deployable additive manufacturing of composite UUVs			+ 4,000
	Program increase: Laser peening of jet engines			+ 3,000
18	Electromagnetic Systems Advanced Technology	8,253	13,253	+ 5,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Augmented, context-based identity awareness			+ 5,000
19	USMC Advanced Technology Demonstration [ATD]	280,285	358,985	+ 78,700
	Program increase: ACV EW/comms/ISR technology			+ 10,000
	Program increase: Adaptive threat force			+ 7,000
	Program increase: AI-powered tactical ISR for battlespace awareness			+ 7,200
	Program increase: Expeditionary mission support			+ 8,000
	Program increase: K-MAX next generation autonomous logistics UAS			+ 5,000
	Program increase: Low-cost attritable aircraft technology			+ 25,000
	Program increase: Stand-off security inspection and surveillance system			+ 10,000
	Program increase: Wireless technologies for sensing and surveillance at the tactical edge			+ 6,500
21	Future Naval Capabilities Advanced Technology Development	251,267	264,267	+ 13,000
	Program increase: Advanced carbon nanotube conductors for naval power systems			+ 5,000
	Program increase: Development of submersible air revitalization			+ 8,000
22	Manufacturing Technology Program	60,704	71,704	+ 11,000
	Program increase: Machine learning for In-water hull inspection			+ 1,000
	Program increase: On-shoring Navy battery cells			+ 10,000
26	Innovative Naval Prototypes [INP] Advanced Technology Development	144,122	210,422	+ 66,300
	Program increase: Alternative Concept of Operations (CONOPS)			+ 61,300
	Program increase: HEL testing and risk reduction			+ 5,000
26A	Science & Technology for Nuclear Re-entry Systems		65,735	+ 65,735
	Navy-requested realignment from BA 07 line 198			+ 65,735
27	Unmanned Aerial System	96,883	98,883	+ 2,000
	Program increase: Autonomous maritime patrol aircraft			+ 2,000
28	Large Unmanned Surface Vehicles (LUSV)	146,840	122,323	- 24,517
	LUSV acquisition documentation ahead of need			- 2,517
	OUSV4 ICS hardware procurement ahead of need			- 32,000
	Program increase: Additive manufacturing of unmanned maritime systems			+ 10,000
29	Air/Ocean Tactical Applications	39,737	42,737	+ 3,000
	Program increase: Infrared optimized telescope			+ 3,000
35	Advanced Combat Systems Technology	18,628	71,628	+ 53,000
	Program increase: Alternative Concept of Operations (CONOPS)			+ 45,000
	Program increase: Force-Level Dynamic Interoperable C2			+ 8,000
36	Surface and Shallow Water Mine Countermeasures	87,825	79,647	- 8,178
	Barracuda product development excess to need			- 8,178
44	Advanced Submarine System Development	105,703	110,703	+ 5,000
	Program increase: Nickel-zinc battery deployment for Virginia class			+ 5,000
46	Ship Concept Advanced Design	82,205	86,205	+ 4,000
	Program increase: Metallic additive manufacturing			+ 4,000
49	Advanced Surface Machinery Systems	176,600	185,600	+ 9,000
	Program increase: Large format lithium ion batteries			+ 9,000
54	LCS Mission Modules	41,533	31,707	- 9,826
	ASW MP termination			- 14,826
	Maintain level of effort-LCS MP development			- 2,000
	Program increase: Mine countermeasures mission package			+ 7,000
56	Frigate Development	118,626	108,626	- 10,000
	Prior year carryover			- 10,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
62	Navy Energy Program	60,320	65,320	+ 5,000
	Program increase: Navy energy systems			+ 5,000
64	CHALK CORAL	833,634	753,634	- 80,000
	Classified adjustment			- 80,000
67	LINK PLUMERIA	1,038,661	988,861	- 49,800
	Classified adjustment			- 49,800
75	F/A -18 Infrared Search and Track [IRST]	40,069	55,069	+ 15,000
	Program increase: Disruptive air and missile defense			+ 15,000
77	Small and Medium Unmanned Undersea Vehicles	106,347	102,289	- 4,058
	LBS-AUV(S) TTL&R Phase 1 award delay			- 9,078
	Medusa request for proposal delays			- 12,980
	Program increase: Maritime unattended sensors			+ 18,000
79	Rapid Prototyping, Experimentation and Demonstration	57,000	50,580	- 6,420
	Undefined requirement			- 6,420
81	Gerald R. Ford Class Nuclear Aircraft Carrier (CVN 78-80)	116,498	105,255	- 11,243
	Unjustified growth-Integrated digital shipbuilding			- 11,243
82	Littoral Airborne MCM	47,389	30,240	- 17,149
	COBRA Blk II EMD delay			- 17,149
87	Rapid Technology Capability Prototype	62,927	67,927	+ 5,000
	Program increase: Marine corps warfighting lab partnership			+ 5,000
88	LX (R)	26,630	18,830	- 7,800
	Dynamic interface testing ahead of need			- 7,800
89	Advanced Undersea Prototyping	116,880	94,872	- 22,008
	XLUUV testing delay			- 22,008
91	Precision Strike Weapons Development Program	84,734	34,843	- 49,891
	Navy-designated MALD-N program termination			- 74,891
	Program increase: SLCM-N			+ 25,000
93	Offensive Anti-Surface Warfare Weapon Development	124,204	223,826	+ 99,622
	Navy-requested transfer from WP,N line 8 for AGM-158C3 acceleration			+ 46,481
	OASuW Inc. 2 test and evaluation ahead of need			- 7,700
	OASuW Inc 1.1 contract excess to need			- 6,259
	Program increase: Hypersonic Offensive Anti-Surface Warfare Increment 2 (OASuW Inc 2)			+ 67,100
94	MEDIUM UNMANNED SURFACE VEHICLES [MUSVS]	104,000	86,443	- 17,557
	MUSV ship qualification testing ahead of need			- 13,657
	MUSV certification ahead of need			- 3,900
100	Advanced Tactical Unmanned Aircraft System	1,735	11,735	+ 10,000
	Program increase: Mobile unmanned/manned distributed lethality airborne network			+ 10,000
103	Maritime Targeting Cell	39,600	89,600	+ 50,000
	Program increase: Maritime Targeting Cell-Afloat			+ 50,000
107	Multi-Mission Helicopter Upgrade Development	44,684	54,684	+ 10,000
	Program increase: MH-60 capability upgrades			+ 10,000
109	Warfare Support System	12,337	16,337	+ 4,000
	Program increase: NSW unmanned vehicle development			+ 4,000
111	Advanced Hawkeye	502,956	522,956	+ 20,000
	Program increase: Radar modernization and testing			+ 20,000
120	Joint Tactical Radio System-Navy [JTRS-Navy]	329,787	334,787	+ 5,000
	Program increase: Integrated photonic systems			+ 5,000
121	Next Generation Jammer [NGJ] Increment II	301,737	135,467	- 166,270
	Primary hardware development delay due to EMD prot-test			- 146,350
	Systems engineering excess to need due to EMD prot-test			- 19,920
122	Surface Combatant Combat System Engineering	347,233	345,489	- 1,744
	Aegis capability package 2024 delay			- 11,744
	Program increase: Enabling Condition-Based Maintenance Plus (CBM+)			+ 10,000
125	Standard Missile Improvements	319,943	309,943	- 10,000
	SM-6 BLK 1B OTA delays			- 10,000
128	Advanced Sensors Application Program (ASAP)		13,000	+ 13,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase			+ 13,000
129	Advanced Above Water Sensors	81,254	61,387	- 19,867
	SPEIR EMD award delay			- 19,867
133	Combat Information Center Conversion	11,160	16,160	+ 5,000
	Program increase: Theater edge correlation and distribution system			+ 5,000
134	Air and Missile Defense Radar (AMDR) System	87,459	76,470	- 10,989
	AN/SPY-6(V)1 contract excess to need			- 10,989
136	New Design SSN	307,585	309,585	+ 2,000
	Program increase: Precision maneuvering units			+ 2,000
141	Lightweight Torpedo Development	142,000	135,500	- 6,500
	Phase II AUR ahead of need			- 6,500
147	Ship Self Defense (Engage: Hard Kill)	71,818	58,068	- 13,750
	OTH missile test asset procurement excess to need			- 2,000
	ESSM BIK 2 FOT&E ahead of need			- 4,300
	ESSM next generation launching system award delay			- 7,450
150	Medical Development	3,178	6,178	+ 3,000
	Program increase: Mitigating circadian misalignment			+ 3,000
151	Navigation/ID System	53,209	60,209	+ 7,000
	Program increase: Micro 5 IFF interrogator			+ 7,000
154	SSN(X)	143,949	93,234	- 50,715
	Unjustified studies growth			- 34,715
	Unjustified management growth			- 6,000
	Unjustified support growth			- 10,000
156	Information Technology Development	290,353	295,353	+ 5,000
	Program increase: Cyber supply chain risk management			+ 5,000
158	TACAMO Modernization	554,193	489,193	- 65,000
	Airframe unit cost adjustment			- 65,000
159	CH-53K RDTE	220,240	182,294	- 37,946
	Test and evaluation decrease to coincide with IOT&E completion			- 17,946
	SDD excess to need as program transitions to FRP			- 20,000
162	Ship to Shore Connector (SSC)	2,886	12,886	+ 10,000
	Program increase: LCAC propeller production demonstration			+ 10,000
164	Unmanned Carrier Aviation (UCA)	265,646	223,746	- 41,900
	Test and evaluation excess to need due to EDM delivery delays			- 41,900
170	DDG-1000	197,436	150,556	- 46,880
	Unjustified growth-government design and integration			- 26,455
	Overestimation of CPS management requirement			- 4,300
	CPS test and evaluation previously funded			- 16,125
178	Target Systems Development	13,708	28,708	+ 15,000
	Program increase: Energetic technology advancements			+ 15,000
179	Major T&E Investment	95,316	135,316	+ 40,000
	Program increase: Test capabilities acceleration—China Lake flight termination system			+ 20,000
	Program increase: Test capabilities acceleration—Pacific Missile Range Facility data management modernization			+ 20,000
184	Management, Technical & International Support	105,152	110,152	+ 5,000
	Program increase: Consortium for additive manufacturing research and education			+ 5,000
187	Test and Evaluation Support	468,281	469,281	+ 1,000
	Program increase: Future workforce innovation			+ 1,000
198	Science & Technology for Nuclear Re-entry Systems	65,735		- 65,735
	Navy requested realignment to BA 03 line 26A			- 65,735
201	F-35 C2D2	525,338	512,282	- 13,056
	Underexecution of phase II air vehicle development contract			- 13,056
202	F-35 C2D2	491,513	479,615	- 11,898
	Underexecution of phase II air vehicle development contract			- 11,898

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
203	MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS	48,663	52,663	+ 4,000
	Program increase: COTS expeditionary radar augmentation			+ 4,000
205	Strategic Sub & Weapons System Support	284,502	302,502	+ 18,000
	Program increase: Multimodal biometric authentication			+ 8,000
	Program increase: Navigation modernization capabilities			+ 10,000
207	Submarine Acoustic Warfare Development	81,237	81,237	
	TI-2 concurrency			- 5,000
	Program increase: Integration of four-tube launch system			+ 5,000
209	F/A-18 Squadrons	238,974	212,229	- 26,745
	AUTOGCAS excess to need			- 5,000
	BLOS phasing			- 7,975
	Overestimation of block III studies and analyses			- 13,770
210	Surface Support	12,197	57,197	+ 45,000
	Program increase: Test capabilities acceleration—Subsonic aerial target			+ 30,000
	Program increase: Test capabilities acceleration—Seaborne powered target			+ 15,000
211	Tomahawk and Tomahawk Mission Planning Center [TMPC] MST development contract excess to need	132,719	99,565	- 33,154
212	Integrated Surveillance System	68,417	84,017	+ 15,600
	DSS DWP 1.1 fabrication excess to need			- 2,400
	Program increase: Deep water active			+ 8,000
	Program increase: Next-gen twin-line towed array			+ 10,000
216	Consolidated Training Systems Development	70,339	80,339	+ 10,000
	Program increase: Test capabilities acceleration—Barking Sands Undersea Range extension			+ 10,000
218	Anti-Radiation Missile Improvement	90,779	78,479	- 12,300
	AARGM-ER developmental test excess to need			- 12,300
221	Aviation Improvements	130,450	136,450	+ 6,000
	Program increase: Autonomous FOD mitigation technology			+ 2,000
	Program increase: Augmented reality remote maintenance service			+ 4,000
225	Marine Corps Ground Combat/Supporting Arms Systems	100,536	106,036	+ 5,500
	Program increase: Integrated helmet system			+ 5,500
240	UAS Integration and Interoperability	18,373	12,396	- 5,977
	CCS increment 2 primary software development excess to need			- 3,000
	Inconsistent resourcing profile for pending acquisition strategy change			- 2,977
250	RQ-4 Modernization	163,277	150,093	- 13,184
	Increment 1 to increment 2 transition not properly phased			- 13,184
999	Classified Programs	1,705,711	1,692,611	- 13,100
	Classified adjustment			- 13,100

AI-Powered Tactical ISR.—The Committee understands the importance of tactical intelligence, surveillance, and reconnaissance [ISR] capabilities for soldiers and marines. Further, the Committee notes the recommendations of the National Security Commission on Artificial Intelligence [AI] to “develop artificial intelligence, machine learning and associated technologies in the US to comprehensively address the National security and defense needs of the US” in this domain. The Committee recommends \$7,200,000 for the Marine Corps to field an edge-capable, AI-powered tactical ISR solution. The Committee believes the software should be of sufficient capability to produce two- and three-dimensional maps of a

battlespace and that processing should be able to be conducted without a “backhaul” or cloud connection. Finally, software should be interoperable with Group 1–5 unmanned aerial systems and with existing imaging payloads, to include deployability and operability on mobile devices already in the end-user inventory.

Marine Corps Warfighting Laboratory.—The Committee supports the Marine Corps Warfighting Laboratory’s [MCWL] continued use of a Department of Defense national partnership intermediary, as defined in 15 U.S.C. 3715 and 10 U.S.C. 2368, to support MCWL’s ability to seek out, assess, and engage non-traditional small business vendors into MCWL’s technology scouting, rapid capabilities development, rapid prototyping, and technology forecasting efforts. To facilitate these efforts, the Committee recommends an additional \$5,000,000 for this effort. The Committee believes that in addition to broadening MCWL’s field of available vendor capabilities, funds should be utilized whenever possible to speed development and lay the groundwork for future transition of new technologies and capabilities into the acquisition process. Further, the Committee believes that expanding the availability of highly qualified non-traditional manufacturers within MCWL’s support base will broaden the National industrial base and bring improved solutions and equipment to Marine Corps units faster. The Committee encourages MCWL to include funding for use of a Partnership Intermediary in future budget submissions.

Academic Research Fleet Operators.—The Committee supports the need to modernize and enhance science and technology capabilities and related infrastructure at laboratories and facilities around the Nation, including those supporting naval mission requirements. The Committee notes, that much of the evolutionary development work required to refine and field test new technologies and systems derives from our investment in both internal and external science and technology personnel and infrastructure. This is particularly true in efforts to understand the ocean battlespace environment and the development of technologies to help advance our Nation’s underwater superiority. The United States Academic Research Fleet operators, particularly the ocean, intermediate and regional class vessels, play a key role supplementing and supporting Navy research and development activities. This includes access to the sea, shore-side in-water test facilities, and data collection and communication. Therefore, the Secretary of the Navy, is encouraged to support investment in marine shore-side infrastructure required for academic fleet operations, technology development and testing, and the integration of shipboard communication and data management capabilities, within the constraints of the Department’s fiscal authorities.

Conventional Prompt Strike Test.—The fiscal year 2023 budget request includes \$1,205,041,000 for the continued development and test of the Navy’s Conventional Prompt Strike [CPS] program. The Committee notes that, following earlier ground and flight testing, the Army and Navy are engaged in their Joint Flight Test campaign with eight events planned in fiscal year 2022 through fiscal year 2028. While the Committee commends the Department of the Navy for continuing its flight test program, small commercial ground-launched platforms can increase the rate of test flights and

quality of test data per-flight at a lower cost than current practices. While there is no substitute for a full system level flight test program utilizing the intended deployment platforms, the Committee encourages the Director, Strategic Systems Program to evaluate options for additional testing through commercially supported launch platforms to increase the rate of testing.

Multi-Static Operationally Distributed Sonar System.—The committee is concerned about the threat to our ports and harbors posed by adversarial divers and unmanned underwater vehicles that are easily available on the commercial market. Left unchecked, this type of technology has the potential to proliferate and pose significant risk to commercial shipping lanes, critical infrastructure, and military bases around the world that host Navy assets. Due to the complexity of the underwater environment, technology does not currently exist to robustly surveille the underwater space in harbors, or in the open ocean. Therefore, the committee encourages the Chief of Naval Research to continue research efforts into the Multi-Static Operationally Distributed Sonar System to address the need for robust underwater surveillance of ports and harbors.

Ultra-Long Endurance Unmanned Aerial Systems.—The Committee notes that the Geographic Combatant Commands have a requirement for persistent airborne, intelligence, surveillance, and reconnaissance platforms that is not being fully met by existing unmanned aerial systems [UAS]. Therefore, the Committee directs the Chief of Naval Research to provide a report to the congressional defense committees, not later than 90 days following enactment of this act that identifies research and development activities for ultra-long endurance, attritable group III UAS along with a resourcing profile associated with these efforts, and identification of any additional areas in need of investment.

Silicon Carbide Electronics.—The Committee supports the recommendations provided in the 2019 Naval Power and Energy Systems Technology Development Roadmap for development of advanced power electronics, including silicon carbide power modules, which can reduce the size and weight of power conversion modules and other electronic systems needed to power advanced sensors and weapon systems. The Committee encourages the Secretary of the Navy to continue to invest in these areas to enable a silicon carbide flexible bus node prototype for the DDG(X) and other platforms.

Cold Spray.—The Committee recognizes the cost savings and process improvements that cold spray techniques have on routine maintenance activities for ships and aircraft, to include extending the service life of components by years. The Committee encourages the Secretary of the Navy to expand this capability within its ship yards, fleet readiness centers, and naval bases, as appropriate.

Cartridge and Percussion Activated Devices.—The Committee supports the Navy's continued development of advanced manufacturing technologies and second sources for Cartridge and Percussion Activated Devices [CAD/PAD] to expand the industrial base. Despite these efforts, the Committee is concerned that the Navy has an extensive backlog for these critical items, which is having an adverse effect on combat readiness and production requirements. Therefore, the Committee encourages the Secretary of the Navy to continue neutron radiographic inspection of CAD/PADs,

which provides a higher probability for defect detection, and qualify alternative, non-reactor based suppliers.

Increased Access to Ocean Data.—As part of broader efforts to standardize and make available oceanographic data, the Committee encourages the Secretary of the Navy to take the steps necessary to ensure the release of and public access to unclassified and declassified oceanographic data, including information about pirate fishing vessels that will help coastal States in Africa and other regions better police their exclusive economic zones, subject to existing regulatory restrictions.

Guidance and Navigation Systems for 81mm Mortar Rounds.—Recent battlefield lessons underscore the importance of mobile, precision fires on modern battlefields. Over the past decade, Congress has appropriated significant funds for the development of guidance systems that can be utilized on existing munition rounds, to include 81mm mortars, 155mm howitzers, and Naval 5-inch guns. The Committee understands that recently, the 81mm mortar precision guidance kit was tested by the U.S. Marine Corps from an unmanned aerial system. Further, the Committee understands that maturation of the prototype guidance system to operate in a GPS-denied environment is technically achievable and feasible. Therefore, the Committee directs the Under Secretary of Defense (Comptroller) to provide a plan, not later than 60 days after enactment of this act, for technology maturation and potential fielding of this capability by one or more of the services.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Budget estimate, 2023 \$43,889,183,000
Committee recommendation 43,717,011,000

The Committee recommends an appropriation of \$43,717,011,000. This is \$172,172,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE			
	BASIC RESEARCH			
1	DEFENSE RESEARCH SCIENCES	375,325	475,325	+ 100,000
2	UNIVERSITY RESEARCH INITIATIVES	171,192	276,192	+ 105,000
	TOTAL, BASIC RESEARCH	546,517	751,517	+ 205,000
	APPLIED RESEARCH			
4	FUTURE AF CAPABILITIES APPLIED RESEARCH	88,672	134,282	+ 45,610
5	MATERIALS	134,795	196,295	+ 61,500
6	AEROSPACE VEHICLE TECHNOLOGIES	159,453	179,453	+ 20,000
7	HUMAN EFFECTIVENESS APPLIED RESEARCH	135,771	139,771	+ 4,000
8	AEROSPACE PROPULSION	172,861	189,861	+ 17,000
9	AEROSPACE SENSORS	192,733	239,733	+ 47,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
11	SCIENCE AND TECHNOLOGY MANAGEMENT—MAJOR HEAD-QUARTERS	8,856	8,856	.....
12	CONVENTIONAL MUNITIONS	137,303	143,303	+ 6,000
13	DIRECTED ENERGY TECHNOLOGY	109,302	120,947	+ 11,645
14	DOMINANT INFORMATION SCIENCES AND METHODS	166,041	221,041	+ 55,000
	TOTAL, APPLIED RESEARCH	1,305,787	1,573,542	+ 267,755
	ADVANCED TECHNOLOGY DEVELOPMENT			
16	FUTURE AF INTEGRATED TECHNOLOGY DEMOS	152,559	158,916	+ 6,357
17	ADVANCED MATERIALS FOR WEAPON SYSTEMS	29,116	29,765	+ 649
18	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	10,695	10,662	- 33
19	ADVANCED AEROSPACE SENSORS	36,997	37,317	+ 320
20	AEROSPACE TECHNOLOGY DEV/DEMO	54,727	85,768	+ 31,041
21	AEROSPACE PROPULSION AND POWER TECHNOLOGY	64,254	80,717	+ 16,463
22	ELECTRONIC COMBAT TECHNOLOGY	33,380	31,037	- 2,343
23	SCIENCE & TECHNOLOGY FOR NUCLEAR RE-ENTRY SYSTEMS	39,431	27,031	- 12,400
26	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT	20,652	15,440	- 5,212
27	CONVENTIONAL WEAPONS TECHNOLOGY	187,374	154,618	- 32,756
28	ADVANCED WEAPONS TECHNOLOGY	98,503	60,089	- 38,414
29	MANUFACTURING TECHNOLOGY PROGRAM	47,759	147,359	+ 99,600
30	BATTLESPACE KNOWLEDGE DEVELOPMENT & DEMONSTRATION	51,824	38,919	- 12,905
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	827,271	877,638	+ 50,367
	ADVANCED COMPONENT DEVELOPMENT			
31	ARMAMENT DEMONSTRATION AND VALIDATION	125,688	125,688	.....
32	INTELLIGENCE ADVANCED DEVELOPMENT	6,101	6,101	.....
33	COMBAT IDENTIFICATION TECHNOLOGY	17,318	13,718	- 3,600
34	NATO RESEARCH AND DEVELOPMENT	4,295	4,295	.....
35	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL	46,432	40,682	- 5,750
36	NC3 ADVANCED CONCEPTS	5,098	5,098	.....
38	ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS)	231,408	241,408	+ 10,000
39	ADAPTIVE ENGINE TRANSITION PROGRAM (AETP)	353,658	286,096	- 67,562
39A	NEXT GENERATION ADAPTIVE PROPULSION (NGAP) .....	.....	67,562	+ 67,562
40	ARCHITECTURE INITIATIVES	66,615	37,615	- 29,000
41	LONG RANGE STRIKE	3,253,584	3,143,584	- 110,000
42	DIRECTED ENERGY PROTOTYPING	4,269	4,269	.....
43	HYPERSONICS PROTOTYPING—AIR LAUNCHED RAPID RESPONSE WEAPON	431,868	114,981	- 316,887
44	HYPERSONICS PROTOTYPING—HYPERSONIC ATTACK CRUISE MISSILE (HACM)	144,891	483,778	+ 338,887
45	PNT RESILIENCY, MODS AND IMPROVEMENTS	12,010	12,010	.....
46	ADVANCED TECHNOLOGY AND SENSORS	13,311	12,311	- 1,000
47	SURVIVABLE AIRBORNE OPERATIONS CENTER	203,213	68,313	- 134,900
48	TECHNOLOGY TRANSFER	16,759	30,430	+ 13,671
49	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM	106,826	146,826	+ 40,000
50	CYBER RESILIENCY OF WEAPON SYSTEMS—ACS	44,526	44,526	.....
51	JOINT TRANSPORTATION MANAGEMENT SYSTEM (JTMS)	51,758	1,000	- 50,758
52	DEPLOYMENT AND DISTRIBUTION ENTERPRISE R&D	27,586	27,586	.....
53	TECH TRANSITION PROGRAM	649,545	269,685	- 379,860
53A	AFWERX PRIME .....	.....	180,860	+ 180,860
53B	RAPID DEFENSE EXPERIMENTATION RESERVE .....	.....	64,000	+ 64,000
53C	NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS (NC3) .....	.....	97,000	+ 97,000
54	OPERATIONAL ENERGY AND INSTALLATION RESILIENCE .....	.....	15,500	+ 15,500
56	NEXT GENERATION AIR DOMINANCE	1,657,733	1,657,733	.....
57	AUTONOMOUS COLLABORATIVE PLATFORMS	51,747	51,747	.....
58	COMBAT IDENTIFICATION	1,866	1,866	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
59	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR)	14,490	14,490	.....
60	AIRBASE AIR DEFENSE SYSTEMS (ABADS)	52,498	47,498	- 5,000
61	WAR RESERVE MATERIEL—AMMUNITION	10,288	10,288	.....
64	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	37,460	37,460	.....
65	MISSION PARTNER ENVIRONMENTS	17,378	17,378	.....
66	CYBER OPERATIONS TECHNOLOGY SUPPORT	234,576	286,476	+ 51,900
67	ENABLED CYBER ACTIVITIES	16,728	16,728	.....
69	RAPID SUSTAINMENT MODERNIZATION (RSM) .....	.....	28,000	+ 28,000
70	CVV INTEGRATED PREVENTION	9,315	9,315	.....
71	CONTRACTING INFORMATION TECHNOLOGY SYSTEM	14,050	14,050	.....
72	US SPACE COMMAND RESEARCH AND DEVELOPMENT SUP- PORT	10,350	8,350	- 2,000
	TOTAL, ADVANCED COMPONENT DEVELOPMENT	7,945,238	7,746,301	- 198,937
	SYSTEM DEVELOPMENT & DEMONSTRATION			
73	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	9,879	9,879	.....
74	PNT RESILIENCY, MODS AND IMPROVEMENTS	176,824	176,824	.....
75	NUCLEAR WEAPONS SUPPORT	64,425	62,925	- 1,500
76	ELECTRONIC WARFARE DEVELOPMENT	2,222	2,222	.....
77	TACTICAL DATA NETWORKS ENTERPRISE	133,117	127,717	- 5,400
78	PHYSICAL SECURITY EQUIPMENT	8,493	8,493	.....
79	ARMAMENT/ORDNANCE DEVELOPMENT	5,279	5,279	.....
80	SUBUNITIONS	3,273	3,273	.....
81	AGILE COMBAT SUPPORT	14,252	19,252	+ 5,000
83	LIFE SUPPORT SYSTEMS	47,442	50,042	+ 2,600
84	COMBAT TRAINING RANGES	91,284	103,784	+ 12,500
86	LONG RANGE STANDOFF WEAPON	928,850	928,850	.....
87	ICBM FUZE MODERNIZATION	98,376	98,376	.....
88	JOINT TACTICAL NETWORK CENTER (JTNC)	2,222	2,222	.....
89	OPEN ARCHITECTURE MANAGEMENT	38,222	38,222	.....
90	ADVANCED PILOT TRAINING	37,121	37,121	.....
91	COMBAT RESCUE HELICOPTER HH-60W	58,974	58,974	.....
92	GROUND BASED STRATEGIC DETERRENT EMD	3,614,290	3,614,290	.....
94	F-15 EPAWSS	67,956	63,575	- 4,381
95	ISOLATED PERSONNEL SURVIVABILITY AND RECOVERY	27,881	27,881	.....
96	STAND IN ATTACK WEAPON	283,152	240,152	- 43,000
97	FULL COMBAT MISSION TRAINING	3,028	3,028	.....
102	KC-46A TANKER SQUADRONS	197,510	184,810	- 12,700
103	VC-25B	492,932	392,932	- 100,000
104	AUTOMATED TEST SYSTEMS	16,664	.....	- 16,664
105	TRAINING DEVELOPMENTS	15,138	2,631	- 12,507
107	NEXT GENERATION OPIR	148	.....	- 148
	TOTAL, ENGINEERING & MANUFACTURING DEVELOP- MENT	6,438,954	6,262,754	- 176,200
	MANAGEMENT SUPPORT			
108	THREAT SIMULATOR DEVELOPMENT	21,067	21,067	.....
109	MAJOR T&E INVESTMENT	44,714	44,714	.....
110	RAND PROJECT AIR FORCE	37,921	37,921	.....
111	SMALL BUSINESS INNOVATION RESEARCH	86	.....	- 86
112	INITIAL OPERATIONAL TEST & EVALUATION	13,926	13,926	.....
113	TEST AND EVALUATION SUPPORT	826,854	826,854	.....
115	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	255,995	283,995	+ 28,000
116	ACQ WORKFORCE- GLOBAL REACH	457,589	457,589	.....
117	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	459,223	479,423	+ 20,200
118	ACQ WORKFORCE- GLOBAL BATTLE MGMT	3,696	3,696	.....
119	ACQ WORKFORCE- CAPABILITY INTEGRATION	229,610	253,610	+ 24,000
120	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY	92,648	67,361	- 25,287
121	ACQ WORKFORCE- NUCLEAR SYSTEMS	241,226	236,382	- 4,844
122	MANAGEMENT HQ—R&D	4,347	5,624	+ 1,277

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
123	FACILITIES RESTORATION & MODERNIZATION—TEST & EVAL	77,820	77,820	.....
124	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	31,561	31,561	.....
125	REQUIREMENTS ANALYSIS AND MATURATION	101,844	109,844	+ 8,000
126	MANAGEMENT HQ—T&E	6,285	6,285	.....
127	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES ..	556	556	.....
128	COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4)—STRATCOM	15,559	20,559	+ 5,000
129	ENTERPRISE INFORMATION SERVICES (EIS)	83,231	73,100	- 10,131
130	ACQUISITION AND MANAGEMENT SUPPORT	24,306	24,306	.....
131	GENERAL SKILL TRAINING	871	871	.....
134	INTERNATIONAL ACTIVITIES	2,593	2,593	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	3,033,528	3,079,657	+ 46,129
	OPERATIONAL SYSTEMS DEVELOPMENT			
136	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	18,037	15,127	- 2,910
138	AGILE COMBAT SUPPORT	8,199	8,199	.....
139	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	156	156	.....
140	F-35 C2D2	1,014,708	995,028	- 19,680
141	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) ...	37,901	37,901	.....
142	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	50,066	50,066	.....
143	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	80,338	80,338	.....
144	HC/MC-130 RECAP RDT&E	47,994	52,994	+ 5,000
145	NC3 INTEGRATION	23,559	23,559	.....
147	B-52 SQUADRONS	770,313	744,113	- 26,200
148	AIR-LAUNCHED CRUISE MISSILE (ALCM)	571	571	.....
149	B-1B SQUADRONS	13,144	13,144	.....
150	B-2 SQUADRONS	111,990	101,790	- 10,200
151	MINUTEMAN SQUADRONS	69,650	69,650	.....
152	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	22,725	22,725	.....
153	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK ...	3,180	32,253	+ 29,073
154	ICBM REENTRY VEHICLES	118,616	103,716	- 14,900
156	UH-1N REPLACEMENT PROGRAM	17,922	17,922	.....
157	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZA- TION	451	451	.....
158	NORTH WARNING SYSTEM (NWS)	76,910	76,910	.....
159	OVER-THE-HORIZON BACKSCATTER RADAR	12,210	12,210	.....
160	VEHICLES AND SUPPORT EQUIPMENT —GENERAL	14,483	14,483	.....
161	MQ-9 UAV	98,499	93,999	- 4,500
162	JOINT COUNTER RCIED ELECTRONIC WARFARE	1,747	1,747	.....
163	MULTI-PLATFORM ELECTRONIC WARFARE EQUIPMENT	23,195	38,895	+ 15,700
164	A-10 SQUADRONS	72,393	72,393	.....
165	F-16 SQUADRONS	244,696	242,536	- 2,160
166	F-15E SQUADRONS	213,272	200,139	- 13,133
167	MANNED DESTRUCTIVE SUPPRESSION	16,695	16,695	.....
168	F-22 SQUADRONS	559,709	559,709	.....
169	F-35 SQUADRONS	70,730	70,730	.....
170	F-15EX	83,830	83,830	.....
171	TACTICAL AIM MISSILES	34,536	34,536	.....
172	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	52,704	52,704	.....
173	COMBAT RESCUE—PARARESCUE	863	863	.....
174	AF TENCAP	23,309	23,309	.....
175	PRECISION ATTACK SYSTEMS PROCUREMENT	12,722	12,722	.....
176	COMPASS CALL	49,054	50,000	+ 946
177	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM ...	116,087	121,087	+ 5,000
178	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	117,198	117,198	.....
179	SMALL DIAMETER BOMB (SDB)	27,713	32,713	+ 5,000
180	AIR AND SPACE OPERATIONS CENTER (AOC) .....	.....	79,549	+ 79,549
181	CONTROL AND REPORTING CENTER (CRC)	6,615	6,615	.....
182	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	239,658	540,658	+ 301,000
183	TACTICAL AIRBORNE CONTROL SYSTEMS AFSPECWAR—TACP	5,982	5,982	.....
185	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	23,504	23,504	.....
186	THEATER BATTLE MANAGEMENT (TBM) C41	5,851	5,851	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
187	ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR)	15,990	15,990	.....
188	TACTICAL AIR CONTROL PARTY--MOD	10,315	10,315	.....
189	DCAPES	8,049	8,049	.....
190	AIR FORCE CALIBRATION PROGRAMS	2,123	2,123	.....
192	NATIONAL TECHNICAL NUCLEAR FORENSICS	2,039	2,039	.....
193	SEEK EAGLE	32,853	32,853	.....
194	USAF MODELING AND SIMULATION	19,341	19,341	.....
195	WARGAMING AND SIMULATION CENTERS	7,004	7,004	.....
197	DISTRIBUTED TRAINING AND EXERCISES	4,628	4,628	.....
198	MISSION PLANNING SYSTEMS	99,214	99,214	.....
199	TACTICAL DECEPTION	17,074	27,074	+ 10,000
200	OPERATIONAL HG--CYBER	2,347	2,347	.....
201	DISTRIBUTED CYBER WARFARE OPERATIONS	76,592	84,592	+ 8,000
202	AF DEFENSIVE CYBERSPACE OPERATIONS	8,367	9,508	+ 1,141
203	JOINT CYBER COMMAND AND CONTROL (JCC2)	80,740	80,740	.....
204	UNIFIED PLATFORM (UP)	107,548	107,548	.....
208	INTEL DATA APPLICATIONS	1,065	1,065	.....
209	GEOBASE	2,928	2,928	.....
210	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES) .....	.....	16,200	+ 16,200
211	CYBER SECURITY INTELLIGENCE SUPPORT	8,972	8,972	.....
218	AIR FORCE SPACE AND CYBER NON--TRADITIONAL ISR FOR BATTLESPACE AWARENESS	3,069	3,069	.....
219	E--4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	25,701	22,331	- 3,370
220	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	41,171	35,961	- 5,210
221	INFORMATION SYSTEMS SECURITY PROGRAM	70,582	70,582	.....
223	ALL DOMAIN COMMON PLATFORM .....	.....	47,053	+ 47,053
224	JOINT MILITARY DECEPTION INITIATIVE	2,588	2,588	.....
226	AIRBORNE SIGINT ENTERPRISE	108,528	102,528	- 6,000
227	COMMERCIAL ECONOMIC ANALYSIS	4,542	4,542	.....
230	C2 AIR OPERATIONS SUITE--C2 INFO SERVICES	8,097	7,708	- 389
231	CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,751	1,751	.....
232	ISR MODERNIZATION & AUTOMATION DVMT (IMAD)	13,138	13,138	.....
233	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,895	4,895	.....
234	CYBER SECURITY INITIATIVE	91	91	.....
235	WEATHER SERVICE	11,716	46,563	+ 34,847
236	AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC)	8,511	8,511	.....
237	AERIAL TARGETS	1,365	1,365	.....
240	SECURITY AND INVESTIGATIVE ACTIVITIES	223	223	.....
241	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	8,328	8,328	.....
243	INTEGRATED BROADCAST SERVICE	22,123	14,123	- 8,000
244	DRAGON U-2	20,170	20,170	.....
245	AIRBORNE RECONNAISSANCE SYSTEMS	55,048	60,048	+ 5,000
246	MANNED RECONNAISSANCE SYSTEMS	14,590	14,590	.....
247	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	26,901	26,901	.....
248	RQ-4 UAV	68,801	68,801	.....
249	NETWORK--CENTRIC COLLABORATIVE TARGET (TIARA)	17,564	17,564	.....
250	NATO AGS	826	826	.....
251	SUPPORT TO DCGS ENTERPRISE	28,774	28,774	.....
252	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES	15,036	25,036	+ 10,000
253	RAPID CYBER ACQUISITION	3,739	3,739	.....
254	PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,702	2,702	.....
255	INTELLIGENCE MISSION DATA (IMD)	6,332	6,332	.....
256	C-130 AIRLIFT SQUADRON	407	407	.....
257	C-5 AIRLIFT SQUADRONS	6,100	3,100	- 3,000
258	C-17 AIRCRAFT	25,387	30,387	+ 5,000
259	C-130J PROGRAM	11,060	10,060	- 1,000
260	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCIM)	2,909	2,909	.....
261	KC-135S	12,955	11,355	- 1,600
262	CV-22	10,121	10,121	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
263	SPECIAL TACTICS / COMBAT CONTROL	6,297	6,297	.....
264	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	19,892	19,892	.....
265	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	5,271	5,271	.....
267	OTHER FLIGHT TRAINING	2,214	2,214	.....
269	JOINT PERSONNEL RECOVERY AGENCY	2,164	2,164	.....
270	CIVILIAN COMPENSATION PROGRAM	4,098	4,098	.....
271	PERSONNEL ADMINISTRATION	3,191	3,191	.....
272	AIR FORCE STUDIES AND ANALYSIS AGENCY	899	899	.....
273	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT	5,421	5,421	.....
274	DEFENSE ENTERPRISE ACNTNG AND MGT SYS (DEAMS) .....	.....	48,199	+ 48,199
276	SERVICE SUPPORT TO SPACECOM ACTIVITIES	13,766	13,766	.....
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	5,849,928	6,354,384	+ 504,456
9999	CLASSIFIED PROGRAMS	16,995,523	17,071,218	+ 75,695
278	STRATEGIC MISSION PLANNING AND EXECUTION SYSTEM—SOFTWARE PILOT PROGRAM	100,167	.....	– 100,167
279	AIR & SPACE OPERATIONS CENTER (AOC)—SOFTWARE PILOT PROGRAM	177,827	.....	– 177,827
280	DEFENSE ENTERPRISE ACCOUNTING AND MANAGEMENT SYSTEM (DEAMS)—SOFTWARE PILOT PRO	136,202	.....	– 136,202
281	DISTRIBUTED CYBER WARFARE OPERATIONS	37,346	.....	– 37,346
282	AIR FORCE DEFENSIVE CYBER SYSTEMS (AFDCS)—SOFTWARE PILOT PROGRAM	240,926	.....	– 240,926
283	ALL DOMAIN COMMON PLATFORM (ADCP)—SOFTWARE PILOT PROGRAM	190,112	.....	– 190,112
284	AIR FORCE WEATHER PROGRAMS—SOFTWARE PILOT PROGRAM	58,063	.....	– 58,063
285	ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR)—SOFTWARE PILOT PROGRAM	5,794	.....	– 5,794
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE	43,889,183	43,717,011	– 172,172

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Research Sciences	375,325	475,325	+ 100,000
	Program increase: Basic research .....	.....	.....	+ 100,000
2	University Research Initiatives	171,192	276,192	+ 105,000
	Program increase: Defense university research instrumentation program .....	.....	.....	+ 100,000
	Program increase: Gigahertz-terahertz research .....	.....	.....	+ 5,000
4	Future AF Capabilities Applied Research	88,672	134,282	+ 45,610
	Transformational capability incubator unjustified growth .....	.....	.....	– 4,390
	Program increase: Alternative energy research .....	.....	.....	+ 50,000
5	Materials	134,795	196,295	+ 61,500
	Program increase: Catalytic architectures for ASCENT satellite maneuverability .....	.....	.....	+ 6,000
	Program increase: Computationally-driven next generation carbon composite material development .....	.....	.....	+ 5,000
	Program increase: High energy synchrotron x-ray research .....	.....	.....	+ 9,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Materials for high energy fuels			+ 10,000
	Program increase: Modeling ultra high temperature materials for hypersonics			+ 10,000
	Program increase: Scanning and additive manufacturing			+ 1,500
	Program increase: Thermal protection for hypersonic vehicles			+ 10,000
	Program increase: Small satellite technology			+ 10,000
6	Aerospace Vehicle Technologies	159,453	179,453	+ 20,000
	Program increase: Aerospace engineering and security integration			+ 10,000
	Program increase: Full scale determinant assembly for hypersonic airframe structures			+ 10,000
7	Human Effectiveness Applied Research	135,771	139,771	+ 4,000
	Program increase: Advanced warfighter physiology and operational readiness			+ 4,000
8	Aerospace Propulsion	172,861	189,861	+ 17,000
	Program increase: High mach turbine engine			+ 10,000
	Program increase: High voltage aircraft power			+ 2,000
	Program increase: Improving reliability of electrical systems for future aircraft			+ 5,000
9	Aerospace Sensors	192,733	239,733	+ 47,000
	Program increase: Automated legacy code modernization			+ 3,000
	Program increase: Cyber kinetic combat environment			+ 30,000
	Program increase: Field programmable gate arrays			+ 7,000
	Program increase: Reliability of combat cloud communications systems			+ 7,000
12	Conventional Munitions	137,303	143,303	+ 6,000
	Warhead technologies unjustified growth			- 3,000
	Program increase: AFRL conventional munitions technology			+ 9,000
13	Directed Energy Technology	109,302	120,947	+ 11,645
	Air Force requested transfer to RDT&E,SF line 2			- 8,355
	Program increase: Counter-UAS directed energy effectiveness			+ 5,000
	Program increase: Directed energy research			+ 5,000
	Program increase: Early detection of threats			+ 10,000
14	Dominant Information Sciences and Methods	166,041	221,041	+ 55,000
	Program increase: Internet of things innovation ecosystem			+ 5,000
	Program increase: Quantum network testbed			+ 10,000
	Program increase: Traffic management operational readiness			+ 10,000
	Program increase: University-based quantum materials applied research			+ 30,000
16	Future AF Integrated Technology Demos	152,559	158,916	+ 6,357
	Transfer from line 17 for transformational technology development			+ 4,351
	Transfer from line 18 for transformational technology development			+ 33
	Transfer from line 19 for transformational technology development			+ 4,680
	Transfer from line 20 for transformational technology development			+ 12,452
	Transfer from line 21 for transformational technology development			+ 7,044
	Transfer from line 22 for transformational technology development			+ 2,343
	Transfer from line 26 for transformational technology development			+ 5,212
	Transfer from line 27 for transformational technology development			+ 42,756

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Transfer from line 28 for transformational technology development			+ 5,214
	Transfer from line 30 for transformational technology development			+ 12,905
	Future transformational capabilities unjustified growth			- 75,633
	Rocket cargo insufficient justification			- 15,000
17	Advanced Materials for Weapon Systems	29,116	29,765	+ 649
	Transfer to line 16 for future transformational capabilities			- 4,351
	Program increase: Metals affordability research			+ 5,000
18	Sustainment Science and Technology [S&T]	10,695	10,662	- 33
	Transfer to line 16 for future transformational capabilities			- 33
19	Advanced Aerospace Sensors	36,997	37,317	+ 320
	Transfer to line 16 for future transformational capabilities			- 4,680
	Program increase: Modular open autonomous software testing			+ 5,000
20	Aerospace Technology Dev/Demo	54,727	85,768	+ 31,041
	Transfer to line 16 for future transformational capabilities			- 12,452
	Transfer to line 21 for high power aircraft subsystem technologies			- 8,507
	Program increase: Bonded unitized composites large scale structural demonstration			+ 10,000
	Program increase: Digital design studio			+ 2,000
	Program increase: Hypersonic aircraft rapid prototyping			+ 30,000
	Program increase: Unmanned semi-autonomous adversary aircraft			+ 10,000
21	Aerospace Propulsion and Power Technology	64,254	80,717	+ 16,463
	Transfer to line 16 for future transformational capabilities			- 7,044
	Transfer from line 20			+ 8,507
	Program increase: Advanced hybrid rocket engine development			+ 5,000
	Program increase: Silicon carbide research			+ 10,000
22	Electronic Combat Technology	33,380	31,037	- 2,343
	Transfer to line 16 for future transformational capabilities			- 2,343
23	Science & Technology for Nuclear Re-entry Systems	39,431	27,031	- 12,400
	Re-entry system technologies testing ahead of need ..			- 12,400
26	Human Effectiveness Advanced Technology Development	20,652	15,440	- 5,212
	Transfer to line 16 for future transformational capabilities			- 5,212
27	Conventional Weapons Technology	187,374	154,618	- 32,756
	Transfer to line 16 for future transformational capabilities			- 42,756
	Program increase: Next generation affordable direct attack munition			+ 10,000
28	Advanced Weapons Technology	98,503	60,089	- 38,414
	Transfer to line 16 for future transformational capabilities			- 5,214
	High power microwave technology unjustified growth			- 24,000
	High energy laser/beam control unjustified growth			- 9,200
29	Manufacturing Technology Program	47,759	147,359	+ 99,600
	Program increase: Additive manufacturing industrial base and capability expansion			+ 10,000
	Program increase: Affordable manufacture of resistive films			+ 10,000
	Program increase: Agile factory floor depot sustainment			+ 5,300
	Program increase: Composites for advanced air mobility			+ 10,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: F-35 agnostic battery development			+ 9,800
	Program increase: Gallium oxide for high power electronics			+ 2,000
	Program increase: High temperature hypersonic aeroshell			+ 6,000
	Program increase: Large-scale metal 3D printing			+ 10,000
	Program increase: Low cost manufacturing methods for hypersonic vehicle components			+ 5,000
	Program increase: Rapid large format metal additive manufacturing to optimize scramjet production			+ 7,500
	Program increase: Thermal protection systems for hypersonic vehicles			+ 10,000
	Program increase: Tools and processes for affordable high temperature composites			+ 9,000
	Program increase: Vertical integration of scramjet supply chain			+ 5,000
30	Battlespace Knowledge Development and Demonstration	51,824	38,919	- 12,905
	Transfer to line 16 for future transformational capabilities			- 12,905
33	Combat Identification Technology	17,318	13,718	- 3,600
	Air target identification (ATID) unjustified growth			- 3,600
35	Intercontinental Ballistic Missile—Dem/Val	46,432	40,682	- 5,750
	Long range planning developmental flight test carry-over			- 5,750
38	Advanced Battle Management System [ABMS]	231,408	241,408	+ 10,000
	Program increase: Advanced battle management system			+ 10,000
39	Adaptive Engine Transition Program (AETP)	353,658	286,096	- 67,562
	Transfer to line 39A for NGAP			- 67,562
39A	Next Generation Adaptive Propulsion (NGAP)		67,562	+ 67,562
	Transfer from line 39 for NGAP			+ 67,562
40	Dept of the Air Force Tech Architecture	66,615	37,615	- 29,000
	Architecture design and integration insufficient justification			- 29,000
41	Long Range Strike—Bomber	3,253,584	3,143,584	- 110,000
	Excess to need			- 110,000
43	Hypersonics Prototyping: Air Launched Rapid Response Weapon	431,868	114,981	- 316,887
	Air Force requested transfer to line 44			- 316,887
44	Hypersonics Prototyping: Hypersonic Attack Cruise Missile [HACM]	144,891	483,778	+ 338,887
	Air Force requested transfer from line 43			+ 316,887
	Transfer from RD,DW line 52			+ 60,000
	HACM integration qualification and test duplication of effort			- 38,000
46	Advanced Technology and Sensors	13,311	12,311	- 1,000
	I&TS carryover			- 1,000
47	Survivable Airborne Operations Center	203,213	68,313	- 134,900
	EMD early to need			- 134,900
48	Technology Transfer	16,759	30,430	+ 13,671
	Program increase: Academic partnership intermediary agreement tech transfer			+ 10,000
	Program increase: Technology transfer			+ 3,671
49	Hard and Deeply Buried Target Defeat System (HDBTDS) Program	106,826	146,826	+ 40,000
	Program increase: Test munitions replacement			+ 40,000
51	Joint Transportation Management System (JTMS)	51,758	1,000	- 50,758
	JTMS ahead of need			- 50,758
53	Tech Transition Program	649,545	269,685	- 379,860
	Air Force requested transfer to AP,AF line 36 for C-17 operational energy improvements			- 5,500
	Air Force requested transfer to AP,AF line 49 for C-130 operational energy improvements			- 17,500

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Air Force requested transfer to AP,AF line 51 for KC-135 operational energy improvements			-19,500
	Air Force requested transfer to line 54 for installation resilience			-15,500
	Unmanned Adversary Air (ADAIR-UX) experimentation ahead of need			-20,000
	Experimentation campaigns previously funded			-32,500
	Transfer to line 53A for AFWERX Agility Prime			-130,860
	Transfer to line 53B for rapid defense experimentation reserve [RDER]			-64,000
	Transfer to line 53C for NC3 commercial development			-117,000
	Program increase: Advanced air mobility			+5,500
	Program increase: F-35 logistics enhancements			+10,000
	Program increase: Hybrid autonomous maritime expeditionary logistics			+2,000
	Program increase: Autonomous air combat operations			+10,000
	Program increase: Versatile aerial power system			+10,000
	Program increase:μ Supersonic aircraft technologies ..			+5,000
53A	AFWERX Prime		180,860	+180,860
	Transfer from line 53			+130,860
	Program increase: Agility prime			+50,000
53B	Rapid Defense Experimentation Reserve [RDER]		64,000	+64,000
	Transfer from line 53			+64,000
53C	NC3		97,000	+97,000
	Transfer from line 53			+117,000
	NC3 commercial development/prototyping unjustified growth			-20,000
54	Operational Energy and Installation Resilience		15,500	+15,500
	Air Force requested transfer from line 53 for installation resilience			+15,500
60	Airbase Air Defense Systems [ABADS]	52,498	47,498	-5,000
	BMC2 lack of justification			-5,000
66	Cyber Operations Technology Support	234,576	286,476	+51,900
	Program increase: Cyber mission force operational support			+31,000
	Program increase: Joint cyberspace warfighting architecture			+20,900
69	Rapid Sustainment Modernization [RSM]		28,000	+28,000
	Program increase: Additive manufacturing strategy support			+10,000
	Program increase: Advanced technologies to support engine operational readiness			+8,000
	Program increase: Digital part transformation to support operational readiness			+10,000
72	U.S. Space Command Research and Development Support ..	10,350	8,350	-2,000
	Space Modeling, Simulation, and Analysis early to need			-2,000
75	Nuclear Weapons Support	64,425	62,925	-1,500
	Nuclear Enterprise Support Equipment Contractor support ahead of need			-1,500
77	Tactical Data Networks Enterprise	133,117	127,717	-5,400
	PTW inconsistent budget justification			-11,400
	Program increase: KC-135 advanced intelligent gateway capability			+6,000
81	Agile Combat Support	14,252	19,252	+5,000
	Program increase: Modern timber products for expeditionary construction			+5,000
83	Life Support Systems	47,442	50,042	+2,600
	NGES contract delay			-2,400
	Program increase: Pilot physiological monitoring			+5,000
84	Combat Training Ranges	91,284	103,784	+12,500
	Program increase: Joint pacific alaska range complex			+12,500
94	F-15 EPAWSS	67,956	63,575	-4,381
	Digital color display previously funded			-4,381

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
96	Stand In Attack Weapon	283,152	240,152	- 43,000
	SiAW contract award delay			- 43,000
102	KC-46A Tanker Squadrons	197,510	184,810	- 12,700
	PACS delays			- 8,700
	KC-Y civ pay excess to need			- 4,000
103	VC-25B	492,932	392,932	- 100,000
	Excess to need			- 100,000
104	Automated Test Systems	16,664		- 16,664
	CAPRE early to need			- 16,664
105	Training Developments	15,138	2,631	- 12,507
	PTN unjustified growth			- 5,200
	Air mobility fundamentals insufficient budget justification			- 7,307
107	Next Generation OPIR	148		- 148
	Programming error			- 148
111	Small Business Innovation Research	86		- 86
	Programming error			- 86
115	Acq Workforce- Global Vig & Combat Sys	255,995	283,995	+ 28,000
	Air Force requested adjustment for CIVPAY			+ 8,654
	Air Force requested transfer from line 281 for CIVPAY			+ 19,346
117	Acq Workforce- Cyber, Network, & Bus Sys	459,223	479,423	+ 20,200
	Air Force requested adjustment for CIVPAY			+ 9,000
	Air Force requested adjustment for CIVPAY			+ 5,200
	Program increase: Business enterprise systems product innovation			+ 6,000
119	Acq Workforce- Capability Integration	229,610	253,610	+ 24,000
	Air Force requested adjustment for CIVPAY			+ 15,000
	Air Force requested transfer from line 281 for CIVPAY			+ 9,000
120	Acq Workforce- Advanced Prgm Technology	92,648	67,361	- 25,287
	Air Force requested adjustment for CIVPAY			- 25,287
121	Acq Workforce- Nuclear Systems	241,226	236,382	- 4,844
	Air Force requested adjustment for CIVPAY			- 4,844
122	Management HQ—R&D	4,347	5,624	+ 1,277
	Air Force requested adjustment for CIVPAY			+ 1,277
125	Requirements Analysis and Maturation	101,844	109,844	+ 8,000
	Program increase: Digital modernization			+ 8,000
128	Command, Control, Communication, and Computers (C4)—STRATCOM	15,559	20,559	+ 5,000
	Program increase: Rapid engineering architecture collaboration hub			+ 5,000
129	ENTERPRISE INFORMATION SERVICES [EIS]	83,231	73,100	- 10,131
	Platform one previously funded			- 10,131
136	Specialized Undergraduate Flight Training	18,037	15,127	- 2,910
	T-38 delays			- 2,140
	T-6 ARP early to need			- 770
140	F-35 C2D2	1,014,708	995,028	- 19,680
	Underexecution of phase II air vehicle development contract			- 19,680
144	HC/MC-130 Recap RDT&E	47,994	52,994	+ 5,000
	Program increase: Next generation multiband space array for network enabled weapons			+ 5,000
147	B-52 Squadrons	770,313	744,113	- 26,200
	VLS/LF overestimation			- 4,300
	Radar modernization program overestimation			- 21,700
	Quad crew delays			- 10,200
	Program increase: Global strike innovation hub			+ 10,000
150	B-2 Squadrons	111,990	101,790	- 10,200
	Adaptable communication suite carryover			- 10,200
	BDM excess to need			- 5,000
	Program increase: B-2 modernization			+ 5,000
153	Integrated Strategic Planning & Analysis Network	3,180	32,253	+ 29,073
	Transfer from line 278			+ 29,073
154	ICBM Reentry Vehicles	118,616	103,716	- 14,900
	Mk21A EMD early to need			- 14,900

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
161	MQ-9 UAV	98,499	93,999	- 4,500
	LoH carryover			- 2,000
	MQ-9 upgrade carryover			- 1,500
	Talon AZRAEL carryover			- 1,000
163	Multi-Platform Electronic Warfare Equipment	23,195	38,895	+ 15,700
	Program increase: Angry kitten combat pod			+ 15,700
165	F-16 Squadrons	244,696	242,536	- 2,160
	IVEWS early to need			- 2,160
166	F-15E Squadrons	213,272	200,139	- 13,133
	OFF CD&I carryover			- 11,290
	Digital color display delays			- 1,843
176	Compass Call	49,054	50,000	+ 946
	Program increase: EC-37B training and simulation ...			+ 946
177	Aircraft Engine Component Improvement Program	116,087	121,087	+ 5,000
	Program increase: Laser metal deposition powder for turbine engine component restoration			+ 5,000
179	Small Diameter Bomb (SDB)	27,713	32,713	+ 5,000
	Program increase: Precise navigation			+ 5,000
180	Air & Space Operations Center [AOC]		79,549	+ 79,549
	Transfer from line 279			+ 79,549
182	Airborne Warning and Control System [AWACS]	239,658	540,658	+ 301,000
	Program increase: E-7 acceleration			+ 301,000
199	Tactical Deception	17,074	27,074	+ 10,000
	Program increase: Asset signature modification			+ 10,000
201	Distributed Cyber Warfare Operations	76,592	84,592	+ 8,000
	Program increase: Autonomous satellite cybersecurity			+ 8,000
202	AF Defensive Cyberspace Operations	8,367	9,508	+ 1,141
	Programming error			- 8,367
	Transfer from line 282			+ 9,508
210	Nuclear Planning and Execution System (NPES)		16,200	+ 16,200
	Transfer from line 278			+ 16,200
219	E-4B National Airborne Operations Center [NAOC]	25,701	22,331	- 3,370
	SSHF delays			- 3,370
220	Minimum Essential Emergency Communications Network (MEECN)	41,171	35,961	- 5,210
	VLF/LF carryover			- 5,210
223	All Domain Common Platform		47,053	+ 47,053
	Transfer from line 283			+ 47,053
226	Airborne SIGINT Enterprise	108,528	102,528	- 6,000
	Common development carryover			- 3,000
	Compass bright carryover			- 3,000
230	C2 Air Operations Suite—C2 Info Services	8,097	7,708	- 389
	C2IMERA support early to need			- 389
235	Weather Service	11,716	46,563	+ 34,847
	Transfer from line 284			+ 13,847
	Program increase: Dust emissions modeling			+ 5,000
	Program increase: Air force weather transformation ...			+ 8,000
	Program increase: Machine learning global weather forecasting			+ 3,000
	Program increase: Research on atmospheric rivers			+ 5,000
243	Integrated Broadcast Service [IBS]	22,123	14,123	- 8,000
	Product development early to need			- 8,000
245	Airborne Reconnaissance Systems	55,048	60,048	+ 5,000
	Program increase: Wide-area motion energy			+ 5,000
252	International Intelligence Technology and Architectures	15,036	25,036	+ 10,000
	Program increase: Low-power HF multi-function comms/PNT			+ 10,000
257	C-5 Airlift Squadrons (IF)	6,100	3,100	- 3,000
	Integration contract delays			- 3,000
258	C-17 Aircraft (IF)	25,387	30,387	+ 5,000
	Program increase: C-17 aircraft protective systems development			+ 5,000
259	C-130J Program	11,060	10,060	- 1,000
	MILSATCOM delays			- 1,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
261	KC-135s	12,955	11,355	- 1,600
	MUOS Radios Product Development delay			- 1,600
274	Defense Enterprise Actng and Mgt Sys [DEAMS]		48,199	+ 48,199
	Transfer from line 280			+ 48,199
278	Strategic Mission Planning and Execution System—Soft- ware Pilot Program	100,167		- 100,167
	Transfer to OM,AF			- 49,938
	Transfer to OP,AF line 23			- 216
	Transfer to OP,AF line 27			- 4,740
	Transfer to line 153			- 29,073
	Transfer to line 210			- 16,200
279	Air & Space Operations Center [AOC]—Software Pilot Pro- gram	177,827		- 177,827
	Transfer to OM,AF			- 79,136
	Transfer to OP,AF line 44			- 19,142
	Transfer to line 180			- 79,549
280	Defense Enterprise Accounting and Management System [DEAMS]—Software Pilot Pro	136,202		- 136,202
	Transfer to OP,AF line 41			- 3,156
	Transfer to OM,AF			- 84,841
	Transfer to line 274			- 48,199
	Excess to need			- 6
281	Distributed Cyber Warfare Operations	37,346		- 37,346
	Air Force requested adjustment for CIVPAY			- 37,346
282	Air Force Defensive Cyber Systems (AFDCS)—Software Pilot Program	240,926		- 240,926
	Transfer to OP,AF line 38			- 82,045
	Transfer to OM,AF			- 130,581
	Excess to need			- 18,792
	Transfer to line 202			- 9,508
283	All Domain Common Platform (ADCP)—Software Pilot Pro- gram	190,112		- 190,112
	Transfer to OP,AF line 23			- 30,738
	Transfer to OM,AF			- 83,611
	Transfer to line 223			- 47,053
	Excess to need			- 28,710
284	Air Force Weather Programs—Software Pilot Program	58,063		- 58,063
	Excess to need			- 28,081
	Transfer to OM,AF			- 16,135
	Transfer to line 235			- 13,847
285	Electronic Warfare Integrated Reprogramming [EWIR]— Software Pilot Program	5,794		- 5,794
	Transfer to OM,AF			- 5,598
	Excess to need			- 196
999	Classified Programs	16,995,523	17,071,218	+ 75,695
	Classified adjustment			+ 75,695

Scalable Manufacturing of Attributable Airframes.—The Committee is supportive of scalable and responsive manufacturing approaches, material selection, and design optimization to maximize the value of low-cost attributable structures. The Committee encourages the Secretary of the Air Force to partner with industry to develop transformative structures technologies for attributable aircraft.

Directed Energy Collaboration.—The Committee is pleased to see that the Department is increasingly focused on the threats and challenges of directed energy. The Committee encourages the Secretary of the Air Force to collaborate with universities and defense labs to ensure an adequate skilled workforce is available.

Quantum Computing.—The Committee supports prioritization of investments in near-term quantum computing, particularly solu-

tions that can be miniaturized, scaled, and operated at room temperature or with minimal refrigeration for field deployment.

Transformational Capabilities.—In the fiscal year 2023 President's budget request, the Air Force requests to kick-start newly designated Vanguard programs through the Future Transformational Capabilities effort. These initiatives founded through the Warfighter-Technologist process have been supported by the Committee in the past due to overall emphasis on enhanced survivability, operability, and performance in a threat environment. However, the Committee notes that funding requested for these efforts across the Research, Development Test and Evaluation, Air Force account significantly increase in the current budget cycle, without justification or corresponding increase in capability. While delineating efforts across multiple program elements typically offers increased visibility into requested efforts and associated funding, spreading these selected Transformational Technology Development funded efforts over 11 program elements, as proposed, offers minimal additional justification and obscures overall growth. Therefore, the Committee transfers the Transformational Technology Development activities across the Advanced Technology Development budget activity to the Future AF Integrated Technology Demos line, Program Element 0603032F, for a more complete picture of the total program. Additionally, the Secretary of the Air Force is directed to provide detailed justification of critical tasks under the Vanguard program with the submission of the fiscal year 2024 President's budget request.

Hypersonic Weapon Systems.—The Committee recognizes the importance of developing, evaluating, and testing of materials and components for hypersonic weapon systems. The Committee encourages the Secretary of the Air Force to partner with industry and academic institutions to develop new and improved manufacturing processes for hypersonic weapon systems.

Autonomous Collaborative Weapons Delivery Platform.—The Committee understands the United States military must deter and defeat enemies who intend to use numerical superiority and stand-off range as an air combat advantage. The Committee encourages the Secretary of the Air Force to explore development of an affordable, autonomous, collaborative weapons delivery platform that can provide survivability and range to proven munitions.

Advanced Engine Development.—The Committee supports the Advanced Engine Development effort under Research, Development, Test and Evaluation, Air Force. Given the large-scale funding efforts associated with the Adaptive Engine Transition Program and the Next Generation Adaptive Propulsion programs, the Committee establishes separate budget lines for each and directs the Secretary of the Air Force to retain that program element structure in the fiscal year 2024 budget submission in order to maintain transparency and oversight.

Providing Budgeting Fidelity in the Tech Transition Program.—The Committee recognizes the necessity of experimentation, rapid prototyping and maturation of warfighting concepts in the current environment. These critical efforts help keep pace with adversaries and bolster warfighter capabilities. While immature and more conceptual efforts require some budgeting flexibility between experi-

mentation and prototyping, the Committee notes that those projects that are more defined and mature ought to be properly budgeted for. The Committee believes that the planning and programming of funds should be exercised to the greatest extent possible, and discourages the excessive grouping of multiple disparate efforts into a single program element. The Committee believes that in order to ensure visibility into requested efforts, the AFWERX Prime program, the Nuclear Command, Control, and Communications Commercial Development/Prototyping effort, and the Rapid Defense Experimentation Reserve initiatives should be budgeted for in individual, dedicated program elements. Therefore, the Committee establishes new budget lines for each of these efforts, as delineated in the table of Committee Recommended Adjustments accompanying this section, and directs the Secretary of the Air Force to retain this program element structure in the fiscal year 2024 budget submission.

AFWERX.—The Committee supports AFWERX as a novel acquisition approach to accelerate development of emerging technology and encourages the Secretary of the Air Force to expand the program into new focus areas such as supersonic flight.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE

Budget estimate, 2023 \$15,819,372,000
 Committee recommendation 16,528,488,000

The Committee recommends an appropriation of \$16,528,488,000. This is \$709,116,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, SPACE FORCE			
	BASIC RESEARCH			
1A	DEFENSE RESEARCH SCIENCES		100,000	+ 100,000
1B	UNIVERSITY RESEARCH INITIATIVES		100,000	+ 100,000
	TOTAL, BASIC RESEARCH		200,000	+ 200,000
	APPLIED RESEARCH			
2	SPACE TECHNOLOGY	243,737	340,201	+ 96,464
	TOTAL, APPLIED RESEARCH	243,737	340,201	+ 96,464
	ADVANCED TECHNOLOGY DEVELOPMENT			
3	SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT	460,820	473,472	+ 12,652
4	SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO	103,395	132,568	+ 29,173
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	564,215	606,040	+ 41,825

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	COMPONENT DEVELOPMENT & PROTOTYPES			
5	SPACE FORCE WEATHER SERVICES RESEARCH	816	816	.....
6	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	382,594	382,594	.....
7	SPACE WARFIGHTING ANALYSIS	44,791	44,791	.....
8	EO/IR WEATHER SYSTEMS	96,519	52,535	- 43,984
10	SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING	986,822	1,000,822	+ 14,000
12	SPACE SITUATION AWARENESS SYSTEM	230,621	230,621	.....
13	SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)	106,252	111,252	+ 5,000
14	SPACE CONTROL TECHNOLOGY	57,953	59,953	+ 2,000
16	SPACE SECURITY AND DEFENSE PROGRAMS (SSDP)	59,169	69,169	+ 10,000
17	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	121,069	111,151	- 9,918
18	PROTECTED TACTICAL SERVICE (PTS)	294,828	209,028	- 85,800
19	EVOLVED STRATEGIC SATCOM (ESS)	565,597	499,397	- 66,200
20	SPACE RAPID CAPABILITIES OFFICE	45,427	45,427	.....
20A	ON-BOARD RESILIENCY .....	.....	250,000	+ 250,000
	TOTAL, COMPONENT DEVELOPMENT & PROTOTYPES	2,992,458	3,067,556	+ 75,098
	SYSTEM DEVELOPMENT & DEMONSTRATION			
21	GPS III FOLLOW-ON (GPS IIIF)	325,927	300,927	- 25,000
22	SPACE SITUATION AWARENESS OPERATIONS	49,628	59,628	+ 10,000
23	COUNTERSPACE SYSTEMS	21,848	31,848	+ 10,000
24	WEATHER SYSTEM FOLLOW-ON	48,870	48,870	.....
25	SPACE SITUATION AWARENESS SYSTEMS	105,140	105,140	.....
26	ADVANCED EHF MILSATCOM (SPACE)	11,701	11,701	.....
27	POLAR MILSATCOM (SPACE)	67,465	67,465	.....
28	WIDEBAND GLOBAL SATCOM (SPACE)	48,438	48,438	.....
29	NEXT GENERATION OPIR—GROUND .....	.....	569,296	+ 569,296
30	NEXT GENERATION OPIR	3,479,459	253,801	- 3,225,658
31	NEXT GENERATION OPIR—GEO .....	.....	1,694,933	+ 1,694,933
32	NEXT GENERATION OPIR—POLAR .....	.....	287,196	+ 287,196
33	COMMERCIAL SATCOM (COMSATCOM) INTEGRATION	23,513	23,513	.....
34	RESILIENT MISSILE WARNING MISSILE TRACKING—LOW EARTH ORBIT (LEO)	499,840	899,840	+ 400,000
35	RESILIENT MISSILE WARNING MISSILE TRACKING—MEDIUM EARTH ORBIT (MEO)	139,131	439,131	+ 300,000
36	RESILIENT MISSILE WARNING MISSILE TRACKING—INTEGRATED GROUND SEGMENT	390,596	174,596	- 216,000
37	NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)—EMD	124,103	204,103	+ 80,000
	TOTAL, SYSTEM DEVELOPMENT & DEMONSTRATION	5,335,659	5,220,426	- 115,233
	MANAGEMENT SUPPORT			
39	SPACE TEST AND TRAINING RANGE DEVELOPMENT	21,453	21,453	.....
40	ACQ WORKFORCE—SPACE & MISSILE SYSTEMS	253,716	253,716	.....
41	SPACE & MISSILE SYSTEMS CENTER—MHA	13,962	13,962	.....
42	SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO	2,773	.....	- 2,773
43	MAJOR T&E INVESTMENT—SPACE	89,751	89,751	.....
44	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	17,922	19,922	+ 2,000
45	TACTICALLY RESPONSIVE LAUNCH .....	.....	100,000	+ 100,000
46	SPACE TEST PROGRAM (STP)	25,366	25,366	.....
46A	OPERATIONAL TRAINING AND TEST INFRASTRUCTURE .....	.....	250,000	+ 250,000
	TOTAL, RDT&E MANAGEMENT SUPPORT	424,943	774,170	+ 349,227
	OPERATIONAL SYSTEMS DEVELOPMENT			
48	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	5,321	5,321	.....
49	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	128,243	128,243	.....
50	DCO—SPACE	28,162	28,162	.....
51	NARROWBAND SATELLITE COMMUNICATIONS	165,892	87,549	- 78,343

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
52	SATELLITE CONTROL NETWORK (SPACE)	42,199	42,199	.....
53	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS)	2,062	2,062	.....
54	SPACE AND MISSILE TEST EVALUATION CENTER	4,157	4,157	.....
55	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT	38,103	38,103	.....
56	SPACELIFT RANGE SYSTEM (SPACE)	11,658	26,658	+ 15,000
57	GPS III SPACE SEGMENT	1,626	1,626	.....
58	SPACE SUPERIORITY ISR	29,128	29,128	.....
59	NATIONAL SPACE DEFENSE CENTER (NSDC)	2,856	2,856	.....
60	BALLISTIC MISSILE DEFENSE RADARS	18,615	21,615	+ 3,000
61	NCMC TW/AA SYSTEM	7,274	7,274	.....
62	NUDET DETECTION SYSTEM (SPACE)	80,429	60,429	- 20,000
63	SPACE SITUATION AWARENESS OPERATIONS	80,903	80,903	.....
64	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT	359,720	210,004	- 149,716
68	ENTERPRISE GROUND SERVICES	123,601	123,601	.....
999	CLASSIFIED PROGRAMS	4,973,358	5,274,165	+ 300,807
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	6,103,307	6,174,055	+ 70,748
70	SPACE COMMAND & CONTROL—SOFTWARE PILOT PROGRAM	155,053	146,040	- 9,013
	TOTAL, SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS	155,053	146,040	- 9,013
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, SPACE FORCE	15,819,372	16,528,488	+ 709,116

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1A	Defense Research Sciences		100,000	+ 100,000
	Program increase: Basic research			+ 100,000
1B	University Research Initiatives		100,000	+ 100,000
	Program increase: Defense university research instrumentation program			+ 100,000
2	Space Technology	243,737	340,201	+ 96,464
	Overestimation of civilian personnel acquisition workforce costs			- 17,791
	Air Force-requested transfer from RDT&E, AF line 13 to fix programming error			+ 8,355
	Program increase: 6G satellite communications center			+ 5,000
	Program increase: Advanced space power systems			+ 9,400
	Program increase: Cybersecurity for a hybrid space architecture			+ 15,000
	Program increase: Digital engineering and modeling for space domain awareness			+ 9,500
	Program increase: Flexible solar panels			+ 5,000
	Program increase: High efficiency lightweight RF amplifiers for LEO constellations			+ 5,000
	Program increase: Lunar surface based space domain awareness			+ 4,000
	Program increase: Moving target engagement solutions			+ 6,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Operational upper stage augmentation kit			+ 10,000
	Program increase: Optical interferometer			+ 2,000
	Program increase: Propulsion technology			+ 5,000
	Program increase: SOSA-based spacecraft protection technology			+ 10,000
	Program increase: University consortium for space technology			+ 20,000
3	Space Science and Technology Research and Development	460,820	473,472	+ 12,652
	Program increase: Defense of low-earth orbit satellites			+ 7,652
	Program increase: Defense-in-depth for spacecraft cybersecurity			+ 5,000
4	Space Advanced Technology Development/Demo	103,395	132,568	+ 29,173
	Space Force-requested technical realignment from line 42 for Maui Space Surveillance System			+ 2,773
	Program increase: Hall multimode propulsion technology			+ 3,000
	Program increase: Upper-stage engine technology			+ 23,400
8	EO/IR Weather Systems	96,519	52,535	- 43,984
	Phase III product development excess to need			- 43,984
10	Space Technology Development and Prototyping	986,822	1,000,822	+ 14,000
	Program increase: Tranche 1 space resiliency payloads			+ 10,000
	Program increase: Space architecture experimental testbed			+ 4,000
13	Space Systems Prototype Transitions [SSPT]	106,252	111,252	+ 5,000
	Program increase: Rapid prototyping and space qualification of emerging CubeSat technologies			+ 5,000
14	Space Control Technology	57,953	59,953	+ 2,000
	Program increase: High-thrust gridded ion engine			+ 2,000
16	Space Security and Defense Program	59,169	69,169	+ 10,000
	Program increase: SSDP support			+ 10,000
17	Protected Tactical Enterprise Service [PTES]	121,069	111,151	- 9,918
	Prototype development excess to need			- 9,918
18	Protected Tactical Service [PTS]	294,828	209,028	- 85,800
	Unjustified request-mission assurance within prototype development			- 26,500
	Unjustified request-mission support within prototype development			- 11,800
	PTS Next ahead of need			- 22,500
	Unjustified increase			- 25,000
19	Evolved Strategic SATCOM [ESS]	565,597	499,397	- 66,200
	Space segment prototyping costs excess to need			- 66,200
20A	On-Board Resiliency		250,000	+ 250,000
	Program increase			+ 250,000
21	GPS III Follow-On [GPS III-F]	325,927	300,927	- 25,000
	Excess to need			- 25,000
22	Space Situation Awareness Operations	49,628	59,628	+ 10,000
	Program increase: Unified data library			+ 10,000
23	Counterspace Systems	21,848	31,848	+ 10,000
	Program increase: Machine learning techniques for RF signal monitoring and interference detection			+ 10,000
29	Next Generation OPIR—Ground		569,296	+ 569,296
	Air force-requested technical realignment from line 30 for Next-Gen OPIR Ground			+ 612,529
	Mission data processing excess to need			- 43,233
30	Next Generation OPIR	3,479,459	253,801	- 3,225,658
	Air force-requested technical realignment to line 29 for Next-Gen OPIR Ground			- 612,529
	Air force-requested technical realignment to line 31 for Next-Gen OPIR GEO			- 1,713,933
	Air force-requested technical realignment to line 32 Next-Gen OPIR Polar			- 899,196
31	Next Generation OPIR—GEO		1,694,933	+ 1,694,933

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Air force-requested technical realignment from line 30 for Next-Gen OPIR GEO			+ 1,713,933
	Product development excess to need			- 19,000
32	Next Generation OPIR—Polar		287,196	+ 287,196
	Air force-requested technical realignment from line 30 for Next-Gen OPIR Polar			+ 899,196
	Expenditure delays relating to undefinitized contract action			- 60,000
	Excess to need			- 552,000
34	Resilient Missile Warning Missile Tracking—Low Earth Orbit (LEO)	499,840	899,840	+ 400,000
	Program increase: INDOPACOM missile tracking demonstration expansion			+ 400,000
35	Resilient Missile Warning Missile Tracking—Medium Earth Orbit (MEO)	139,131	439,131	+ 300,000
	Program increase: Epoch 1 acceleration			+ 300,000
36	Resilient Missile Warning Missile Tracking—Integrated Ground Segment	390,596	174,596	- 216,000
	Space Development agency requested transfer to Procurement, Space Force Line 20 for tranche 1 launch operations			- 216,000
37	National Security Space Launch Program (SPACE)—EMD	124,103	204,103	+ 80,000
	Program increase: NSSL payload processing facility			+ 80,000
42	Space Advanced Technology Development/Demo	2,773		- 2,773
	Space Force-requested technical realignment to line 4 for Maui Space Surveillance System			- 2,773
44	Rocket Systems Launch Program (SPACE)	17,922	19,922	+ 2,000
	Program increase			+ 2,000
45	Tactically Responsive Launch		100,000	+ 100,000
	Program increase			+ 100,000
46A	Operational Training and Test Infrastructure		250,000	+ 250,000
	Program increase			+ 250,000
51	Narrowband Satellite Communications	165,892	87,549	- 78,343
	Service life extension delays			- 78,343
56	Spacelift Range System (SPACE)	11,658	26,658	+ 15,000
	Program increase: State launch range services and capabilities			+ 15,000
60	Ballistic Missile Defense Radars	18,615	21,615	+ 3,000
	Program increase: PARCS radar digitization			+ 3,000
62	NUDET Detection System (SPACE)	80,429	60,429	- 20,000
	ICADS 7 development delay			- 20,000
64	Global Positioning System III—Operational Control Segment OCX 3F advisory and assistance services duplication	359,720	210,004	- 149,716
	Prior-year OCX Blk 1 and 2 product development excess			- 8,400
	Unjustified growth-OCX Blk 1 and 2 interim contractor support			- 41,316
999	Classified Programs	4,973,358	5,274,165	+ 300,807
	Classified adjustment			+ 300,807
70	Space Command & Control—Software Pilot Program	155,053	146,040	- 9,013
	Unjustified growth-Space C2 sustainment			- 9,013

Space Force Unique Science and Technology.—The Committee continues to recognize that science and technology programs can have shared goals and leverage advancements in research areas that cut across both the air and space domains. While there are clear benefits to cross-domain multi-disciplinary investments, it can result in an increased level of complexity in allocating resources to the appropriate Service appropriations accounts for technology discovery and application efforts early in the research and development [R&D] phase. The Committee notes that space unique capa-

bilities and those programs executed out of the Space Vehicles Directorate at the Air Force Research Lab, are more appropriately budgeted in the Research, Development, Test and Evaluation, Space Force account. Further, the Department of Defense Appropriations Act, 2022 (Public Law 117–103) directed that the Secretary of the Air Force to provide a comprehensive proposal to the congressional defense committees to establish an objective, transparent, and effective means to align the Department of the Air Force’s science and technology resources across the R&D continuum. A requirement that has not yet been fulfilled. Therefore, the Committee directs the Secretary of Air Force, with the submission of the fiscal year 2024 budget request, to include space unique science and technology programs and efforts within the Research, Development, Test and Evaluation, Space Force account and to provide the required proposal in a timely manner.

Tactically Responsive Space.—The Committee continues to support the maturation of a responsive launch program of record to rapidly place and reconstitute space assets in support of combatant command requirements and space enterprise resilience. Therefore, the Committee recommends an additional \$150,000,000 for a tactically responsive launch capability.

The Committee notes that the Department of Defense Appropriations Act, 2022 (Public Law 117–103) provided \$50,000,000 for tactically responsive space launch capabilities and directed that the Secretary of the Air Force provide the congressional defense committees with an acquisition strategy for this capability. Further, section 1609 of the National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283) directed the Secretary of the Air Force to establish a Tactically Responsive Space Launch program within the Future Years Defense Program. However, the fiscal year 2023 President’s budget request does not include any resources to establish the program this fiscal year despite a need to counter adversarial launches of disruptive technologies in a tactically relevant timeline. Therefore, the Committee directs the Secretary of the Air Force to provide the required acquisition strategy in a timely manner.

Cislunar Space.—The Committee notes that the Department of Defense Appropriations Act, 2022 (Public Law 117–103) appropriated \$61,000,000 for a cislunar flight experiment and \$70,000,000 for propulsion technologies for cislunar flight. Developing capabilities and operating within cislunar space is imperative for the Nation to obtain national security, science and technology, and economic advantages. Therefore, the Committee strongly supports operationally relevant capabilities in cislunar space and encourages the Secretary of the Air Force to increase investments in this area. Further, the Committee directs the Secretary of the Air Force, in coordination with the Chief of Space Operations, to submit a report to the congressional defense committees, not later than 90 days following enactment of this act, that details the acquisition programs and systems that are in development for operational use within the cislunar or lunar space, and any capabilities in development for the cislunar space domain awareness mission. The report shall include, a list of acquisition milestones and dates, or program schedule for each of the efforts, as well as the costs of

the effort by appropriation, line item, and program element across the Future Years Defense Program. In addition, the report shall include a list of unfunded programs and opportunities for investment.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Budget estimate, 2023 \$32,080,052,000
 Committee recommendation 33,836,217,000

The Committee recommends an appropriation of \$33,836,217,000. This is \$1,756,165,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

(In thousands of dollars)

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE			
	BASIC RESEARCH			
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH	11,584	16,584	+ 5,000
2	DEFENSE RESEARCH SCIENCES	401,870	410,370	+ 8,500
3	HIGH ENERGY LASER RESEARCH INITIATIVES	16,257	16,257	.....
4	BASIC RESEARCH INITIATIVES	62,386	92,386	+ 30,000
5	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	80,874	76,874	- 4,000
6	NATIONAL DEFENSE EDUCATION PROGRAM	132,347	172,347	+ 40,000
7	HISTORICALLY BLACK COLLEGES & UNIV (HBCU)	33,288	83,288	+ 50,000
8	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	34,734	39,734	+ 5,000
	TOTAL, BASIC RESEARCH	773,340	907,840	+ 134,500
	APPLIED RESEARCH			
9	JOINT MUNITIONS TECHNOLOGY	18,961	20,961	+ 2,000
10	BIOMEDICAL TECHNOLOGY	106,958	106,958	.....
12	PROMOTION AND PROTECTION STRATEGIES	3,275	3,275	.....
14	DEFENSE TECHNOLOGY INNOVATION	20,634	20,634	.....
15	LINCOLN LABORATORY RESEARCH PROGRAM	46,159	46,159	.....
16	APPLIED RESEARCH FOR ADVANCEMENT S&T PRIORITIES	67,666	63,182	- 4,484
17	INFORMATION AND COMMUNICATIONS TECHNOLOGY	388,270	399,270	+ 11,000
18	BIOLOGICAL WARFARE DEFENSE	23,059	23,059	.....
19	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	256,197	256,197	.....
20	CYBER SECURITY RESEARCH	17,264	42,264	+ 25,000
21	SOCIAL SCIENCES FOR ENVIRONMENTAL SECURITY	4,000	4,000	.....
22	TACTICAL TECHNOLOGY	221,883	216,883	- 5,000
23	MATERIALS AND BIOLOGICAL TECHNOLOGY	352,976	339,976	- 13,000
24	ELECTRONICS TECHNOLOGY	557,745	482,745	- 75,000
25	COUNTER WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES	192,162	192,162	.....
26	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH	11,030	11,030	.....
27	HIGH ENERGY LASER RESEARCH	48,587	48,587	.....
28	SOF TECHNOLOGY DEVELOPMENT	49,174	54,409	+ 5,235
	TOTAL, APPLIED RESEARCH	2,386,000	2,331,751	- 54,249
	ADVANCED TECHNOLOGY DEVELOPMENT			
29	JOINT MUNITIONS ADVANCED TECH INSENSITIVE MUNITIONS AD	34,065	34,065	.....
30	SO/LIC ADVANCED DEVELOPMENT	4,919	4,919	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
31	COMBATING TERRORISM TECHNOLOGY SUPPORT	72,614	75,614	+ 3,000
32	FOREIGN COMPARATIVE TESTING	26,802	26,802	.....
34	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT	395,721	401,721	+ 6,000
35	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	6,505	6,505	.....
36	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	16,737	39,737	+ 23,000
37	ADVANCED RESEARCH	22,023	63,023	+ 41,000
38	JOINT HYPERSONIC TECHNOLOGY DEVELOPMENT &TRANSITION	52,156	55,156	+ 3,000
39	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,898	18,898	.....
40	ADVANCED AEROSPACE SYSTEMS	253,135	193,135	- 60,000
41	SPACE PROGRAMS AND TECHNOLOGY	81,888	81,888	.....
42	ANALYTIC ASSESSMENTS	24,052	24,052	.....
43	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	53,890	53,890	.....
46	DEFENSE MODERNIZATION AND PROTOTYPING	141,561	.....	- 141,561
46A	DEFENSE INNOVATION ACCELERATION .....	.....	282,265	+ 282,265
47	DEFENSE INNOVATION UNIT	42,925	42,925	.....
48	TECHNOLOGY INNOVATION	109,535	.....	- 109,535
49	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEV	238,407	226,407	- 12,000
50	RETRACT LARCH	79,493	79,493	.....
51	JOINT ELECTRONIC ADVANCED TECHNOLOGY	19,218	24,218	+ 5,000
52	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	114,100	.....	- 114,100
53	NETWORKED COMMUNICATIONS CAPABILITIES	3,168	3,168	.....
54	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	256,142	362,142	+ 106,000
55	MANUFACTURING TECHNOLOGY PROGRAM	46,166	72,766	+ 26,600
56	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	13,663	13,663	.....
57	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	58,411	58,411	.....
58	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT	139,833	167,333	+ 27,500
59	JOINT WARFIGHTING PROGRAM	2,411	2,411	.....
60	ADVANCED ELECTRONICS TECHNOLOGIES	250,917	75,917	- 175,000
61	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	305,050	305,050	.....
62	NETWORK-CENTRIC WARFARE TECHNOLOGY	678,562	678,562	.....
63	SENSOR TECHNOLOGY	314,502	314,502	.....
64	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	201	201	.....
65	SOFTWARE ENGINEERING INSTITUTE	13,417	13,417	.....
66	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	111,149	111,149	.....
67	TEST & EVALUATION SCIENCE & TECHNOLOGY	315,090	1,234,090	+ 919,000
68	NATIONAL SECURITY INNOVATION NETWORK	22,028	72,028	+ 50,000
69	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	180,170	182,170	+ 2,000
72	SOF ADVANCED TECHNOLOGY DEVELOPMENT	118,877	127,940	+ 9,063
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	4,638,401	5,529,633	+ 891,232
74	ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	41,507	41,507	.....
75	WALKOFF	133,795	133,795	.....
76	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	84,638	102,638	+ 18,000
77	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	190,216	195,216	+ 5,000
78	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	667,524	681,425	+ 13,901
79	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	291,364	214,229	- 77,135
80	BALLISTIC MISSILE DEFENSE SENSORS	231,134	231,134	.....
81	BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS	591,847	591,847	.....
82	SPECIAL PROGRAMS—MDA	316,977	316,977	.....
83	AEGIS BMD	600,072	575,543	- 24,529
84	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT	589,374	589,374	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
85	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT ..	50,269	50,269	.....
86	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC)	49,367	49,367	.....
87	REGARDING TRENCH	12,146	12,146	.....
88	SEA BASED X-BAND RADAR (SBX)	164,668	164,668	.....
89	ISRAELI COOPERATIVE PROGRAMS	300,000	300,000	.....
90	BALLISTIC MISSILE DEFENSE TEST	367,824	367,824	.....
91	BALLISTIC MISSILE DEFENSE TARGETS	559,513	556,638	- 2,875
92	COALITION WARFARE	11,154	11,154	.....
93	NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G)	249,591	249,591	.....
94	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,166	3,166	.....
95	GUAM DEFENSE DEVELOPMENT	397,936	317,936	- 80,000
96	TECHNOLOGY MATURATION INITIATIVES .....	.....	7,000	+ 7,000
97	CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO)—MIP	33,950	70,790	+ 36,840
99	HYPERSONIC DEFENSE	225,477	517,977	+ 292,500
100	ADVANCED INNOVATIVE TECHNOLOGIES	1,145,358	1,199,722	+ 54,364
101	TRUSTED AND ASSURED MICROELECTRONICS	647,226	580,476	- 66,750
102	RAPID PROTOTYPING PROGRAM	179,189	.....	- 179,189
102A	DEFENSE INNOVATION ACCELERATION PROTOTYPING .....	.....	20,000	+ 20,000
102B	RAPID DEFENSE EXPERIMENTATION RESERVE .....	.....	5,000	+ 5,000
103	DEFENSE INNOVATION UNIT (DIU) PROTOTYPING	24,402	35,402	+ 11,000
104	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT	2,691	7,691	+ 5,000
105	CATAPULT	7,130	7,130	.....
106	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT—NON S&T	45,779	34,479	- 11,300
108	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,229	3,229	.....
109	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY	40,699	44,699	+ 4,000
110	LONG RANGE DISCRIMINATION RADAR	75,120	75,120	.....
111	IMPROVED HOMELAND DEFENSE INTERCEPTORS	1,833,357	1,833,357	.....
112	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST	69,762	69,762	.....
113	AEGIS BMD TEST	182,776	152,776	- 30,000
114	BALLISTIC MISSILE DEFENSE SENSOR TEST	88,326	88,326	.....
115	LAND-BASED SM-3 (LBSM3)	27,678	27,678	.....
116	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT TEST	84,075	84,075	.....
117	SAFETY PROGRAM MANAGEMENT	2,417	2,417	.....
118	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS	2,664	2,664	.....
120	CYBER SECURITY INITIATIVE	1,165	1,165	.....
123	BALLISTIC MISSILE DEFENSE SYSEM SPACE PROGRAMS	129,957	129,957	.....
	TOTAL, DEMONSTRATION & VALIDATION	10,756,509	10,757,336	+ 827
124	ENGINEERING & MANUFACTURING DEVELOPMENT CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO)—DEM/VAL ACTIVITIES	273,340	323,340	+ 50,000
125	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	6,482	6,482	.....
127	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	312,148	294,148	- 18,000
128	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	9,120	9,120	.....
129	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT	14,403	14,403	.....
130	INFORMATION TECHNOLOGY DEVELOPMENT	1,244	1,244	.....
131	HOMELAND PERSONNEL SECURITY INITIATIVE	6,191	6,191	.....
132	DEFENSE EXPORTABILITY PROGRAM	10,145	40,145	+ 30,000
133	OUSD(C) IT DEVELOPMENT INITIATIVES	5,938	5,938	.....
136	DEFENSE AGENCY INITIATIVES FINANCIAL SYSTEM	23,171	23,171	.....
137	MISSION ASSURANCE RISK MANAGEMENT SYSTEM (MARMS)	14,093	14,093	.....
138	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES ..	6,949	6,949	.....

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
139	TRUSTED & ASSURED MICROELECTRONICS	302,963	252,963	- 50,000
140	NUCLEAR COMMAND, CONTROL, & COMMUNICATIONS	3,758	3,758	.....
141	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)	8,121	8,121	.....
142	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION	16,048	16,048	.....
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	1,014,114	1,026,114	+ 12,000
	MANAGEMENT SUPPORT			
143	JOINT CAPABILITY EXPERIMENTATION	12,452	12,452	.....
144	DEFENSE READINESS REPORTING SYSTEM (DRRS)	8,902	8,902	.....
145	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	6,610	6,610	.....
146	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT	819,358	1,125,358	+ 306,000
147	ASSESSMENTS AND EVALUATIONS	4,607	4,607	.....
148	MISSION SUPPORT	86,869	82,869	- 4,000
149	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	126,079	326,079	+ 200,000
150	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION	53,278	50,878	- 2,400
151	CLASSIFIED PROGRAM USD(P)		146,651	+ 146,651
152	SYSTEMS ENGINEERING	39,009	39,009	.....
153	STUDIES AND ANALYSIS SUPPORT	5,716	5,716	.....
154	NUCLEAR MATTERS—PHYSICAL SECURITY	15,379	15,379	.....
155	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	9,449	9,449	.....
156	GENERAL SUPPORT TO USD (INTELLIGENCE)	6,112	6,112	.....
157	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	124,475	124,475	.....
158	SMALL BUSINESS INNOVATIVE RESEARCH—CHEMICAL BIOLOGICAL DEFENSE PROGRAM		2,000	+ 2,000
165	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER	3,820	3,820	.....
166	MAINTAINING TECHNOLOGY ADVANTAGE	35,414	35,414	.....
167	DEFENSE TECHNOLOGY ANALYSIS	56,114	61,114	+ 5,000
168	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	63,184	63,184	.....
169	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	23,757	23,757	.....
170	DEVELOPMENT TEST AND EVALUATION	26,652	26,652	.....
171	MANAGEMENT HQ—R&D	14,636	14,636	.....
172	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	3,518	3,518	.....
173	BUDGET AND PROGRAM ASSESSMENTS	15,244	15,244	.....
174	ANALYSIS WORKING GROUP (AWG) SUPPORT	4,700	4,700	.....
175	CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO) ACTIVITIES	13,132	13,132	.....
176	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	3,323	3,323	.....
177	DEFENSE SCIENCE BOARD	2,532	2,532	.....
179	CYBER RESILIENCY AND CYBERSECURITY POLICY	32,306	102,306	+ 70,000
180	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	12,354	12,354	.....
181	DEFENSE OPERATIONS SECURITY (DOSI)	3,034	3,034	.....
182	JOINT STAFF ANALYTICAL SUPPORT	4,332	4,332	.....
183	C4I INTEROPERABILITY	69,698	69,698	.....
189	COMBINED ADVANCED APPLICATIONS	16,171	16,171	.....
191	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	3,072	3,072	.....
192	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION	37,852	37,852	.....
193	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI)	716	716	.....
194	MANAGEMENT HEADQUARTERS—MDA	25,259	25,259	.....
195	JOINT SERVICE PROVIDER (JSP)	3,141	3,141	.....
9999	CLASSIFIED PROGRAMS	37,841	37,841	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,830,097	2,553,348	+ 723,251

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATIONAL SYSTEMS DEVELOPMENT			
200	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT ...	588,094	805,094	+ 217,000
201	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT	15,427	15,427	.....
202	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT	8,317	8,317	.....
203	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT)	68,030	68,030	.....
209	DEFENSE INFO INFRASTRUCTURE ENGINEERING & INTEGRATION	19,145	19,145	.....
210	LONG HAUL COMMUNICATIONS (DCS)	13,195	13,195	.....
211	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	5,746	5,746	.....
212	KEY MANAGEMENT INFRASTRUCTURE (KMI)	92,018	92,018	.....
213	INFORMATION SYSTEMS SECURITY PROGRAM	43,135	43,135	.....
214	INFORMATION SYSTEMS SECURITY PROGRAM	593,831	637,831	+ 44,000
215	INFORMATION SYSTEMS SECURITY PROGRAM	7,005	7,005	.....
216	GLOBAL COMMAND AND CONTROL SYSTEM	10,020	10,020	.....
217	DEFENSE SPECTRUM ORGANIZATION	19,708	19,708	.....
221	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY	5,197	5,197	.....
226	DEFENSE INDUSTRIAL BASE (DIB) CYBER SECURITY INITIATIVE	10,000	10,000	.....
229	SECURITY AND INVESTIGATIVE ACTIVITIES	450	450	.....
230	INDUSTRIAL SECURITY ACTIVITIES	1,800	1,800	.....
233	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	4,622	4,622	.....
234	COMBINED ADVANCED APPLICATIONS	49,380	49,380	.....
237	POLICY R&D PROGRAMS	6,214	9,214	+ 3,000
238	NET CENTRICITY	17,917	17,917	.....
240	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	6,095	6,095	.....
246	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS	4,575	4,575	.....
247	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT ...	2,497	7,497	+ 5,000
248	INSIDER THREAT	9,403	9,403	.....
249	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	1,864	1,864	.....
257	LOGISTICS SUPPORT ACTIVITIES	1,620	1,620	.....
258	PACIFIC DISASTER CENTERS	1,875	11,875	+ 10,000
259	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	3,264	3,264	.....
261	MQ-9 UAV	14,000	14,000	.....
263	AVIATION SYSTEMS	179,499	169,626	- 9,873
264	INTELLIGENCE SYSTEMS DEVELOPMENT	75,136	75,136	.....
265	OPERATIONAL ENHANCEMENTS	142,900	158,010	+ 15,110
266	WARRIOR SYSTEMS	129,133	136,140	+ 7,007
267	SPECIAL PROGRAMS	518	518	.....
268	UNMANNED ISR	3,354	3,354	.....
269	SOF TACTICAL VEHICLES	13,594	13,594	.....
270	MARITIME SYSTEMS	82,645	82,645	.....
272	OPERATIONAL ENHANCEMENTS INTELLIGENCE	7,583	7,583	.....
273	TELEPORT PROGRAM	1,270	1,270	.....
273A	NATIONAL INDUSTRIAL SECURITY SYSTEMS (NISS) .....	.....	14,749	+ 14,749
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	2,260,076	2,566,069	+ 305,993
999	CLASSIFIED PROGRAMS	7,857,104	7,979,492	+ 122,388
274	NATIONAL BACKGROUND INVESTIGATION SERVICES—SOFTWARE PILOT PROGRAM	132,524	132,524	.....
275	ACQUISITION VISIBILITY—SOFTWARE PILOT PROGRAM	17,123	17,123	.....
276	ACCELERATE THE PROCUREMENT AND FIELDING OF INNOVATIVE TECHNOLOGIES (APFIT)	100,000	.....	- 100,000
277	GLOBAL COMMAND AND CONTROL SYSTEM	34,987	34,987	.....
278	NATIONAL INDUSTRIAL SECURITY SYSTEMS (NISS)—SOFTWARE PILOT PROGRAM	14,749	.....	- 14,749
999	CLASSIFIED PROGRAMS	265,028	.....	- 265,028

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE	32,080,052	33,836,217	+ 1,756,165

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	DTRA Basic Research	11,584	16,584	+ 5,000
	Program increase: Materials science in extreme environments			+ 5,000
2	Defense Research Sciences	401,870	410,370	+ 8,500
	Program increase: AI basic research accelerator			+ 10,000
	Program increase: University partnerships for artificial intelligence development			+ 9,000
	Reduce carryover			- 10,500
4	Basic Research Initiatives	62,386	92,386	+ 30,000
	Program increase: DEPSCoR			+ 20,000
	Program increase: Global competition analysis net assessment			+ 10,000
5	Basic Operational Medical Research Science	80,874	76,874	- 4,000
	Prior year underexecution: basic operational medical science			- 4,000
6	National Defense Education Program	132,347	172,347	+ 40,000
	Program increase: Civil society program			+ 15,000
	Program increase: Manufacturing engineering education for existing initiatives in critical industry areas			+ 15,000
	Program increase: World language advancement and readiness			+ 10,000
7	Historically Black Colleges and Universities/Minority Institutions	33,288	83,288	+ 50,000
	Program increase			+ 50,000
8	Chemical and Biological Defense Program	34,734	39,734	+ 5,000
	Program increase: Waterless solutions for decontamination			+ 5,000
9	Joint Munitions Technology	18,961	20,961	+ 2,000
	Program increase: Energetics manufacturing technology			+ 2,000
16	Applied Research for the Advancement of S&T Priorities	67,666	63,182	- 4,484
	Program decrease			- 4,484
17	Information & Communications Technology	388,270	399,270	+ 11,000
	Program increase: Cyber security applied research accelerator			+ 20,000
	Prior year underexecution: Artificial intelligence and human-machine symbiosis			- 9,000
20	Cyber Security Research	17,264	42,264	+ 25,000
	Program increase: University cyber consortium			+ 10,000
	Program increase: Pacific intelligence and innovation initiative			+ 5,000
	Program increase: Academic cyber institutes			+ 10,000
22	Tactical Technology	221,883	216,883	- 5,000
	Program increase: Analytics applied research accelerator			+ 10,000
	Program decrease: Information analytics technology			- 15,000
23	Materials and Biological Technology	352,976	339,976	- 13,000
	Program increase: Reactive materials manufacturing			+ 5,000
	Unjustified growth: Materials processing technology			- 18,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
24	Electronics Technology	557,745	482,745	- 75,000
	Early to need: Next generation microelectronics advanced manufacturing approaches for 3DHL			- 30,000
	Early to need: Next generation microelectronics advanced manufacturing tools			- 45,000
28	SOF Technology Development	49,174	54,409	+ 5,235
	Program increase: Assessment of commercial system			+ 5,235
31	Combating Terrorism Technology Support	72,614	75,614	+ 3,000
	Program increase: Artificial intelligence for explosive detection			+ 3,000
34	Counter Weapons of Mass Destruction Advanced Technology Development	395,721	401,721	+ 6,000
	Program increase: Detection and tracking technology			+ 6,000
36	Advanced Concepts and Performance Assessment	16,737	39,737	+ 23,000
	Program increase: Cyber operations			+ 4,000
	Program increase: Generic left/right of launch architecture system simulation (GLASS)			+ 4,000
	Program increase: Hypersonic kill vehicle HWIL upgrades			+ 15,000
37	Advanced Research	22,023	63,023	+ 41,000
	Program increase: Benzoxazine for high-mach system thermal protection			+ 3,000
	Program increase: High temperature nickel based alloys for hypersonic applications			+ 6,000
	Program increase: Hypersonic testbed acceleration			+ 25,000
	Program increase: Sounding rocket vehicle high-speed testbed tech			+ 7,000
38	Joint Hypersonic Technology Development & Transition	52,156	55,156	+ 3,000
	Program increase			+ 3,000
40	Advanced Aerospace Systems	253,135	193,135	- 60,000
	Functional transfer to RDTE,AF line 44: MoHAWC			- 60,000
46	Defense Modernization and Prototyping	141,561		- 141,561
	Functional transfer to line 46A, Defense Innovation Acceleration			- 141,561
46A	Defense Innovation Acceleration		282,265	+ 282,265
	Program increase: High-altitude optical reconnaissance unit and sensors (HORUS)			+ 20,000
	Program increase: Open source intelligence			+ 3,000
	Functional transfer from line 52, Joint Capability Technology Demonstration			+ 114,100
	Functional transfer from line 48, Technology Innovation			+ 109,535
	Functional transfer from line 46, Defense Modernization and Prototyping			+ 141,561
	Unjustified growth			- 105,931
48	Technology Innovation	109,535		- 109,535
	Functional transfer to line 46A, Defense Innovation Acceleration			- 109,535
49	Chemical and Biological Defense Program—Advanced Development	238,407	226,407	- 12,000
	Program increase: Broad spectrum small molecule anti-viral development			+ 5,000
	Early to need			- 17,000
51	Joint Electronic Advanced Technology	19,218	24,218	+ 5,000
	Program increase: Photonically distributed antenna system			+ 5,000
52	Joint Capability Technology Demonstrations	114,100		- 114,100
	Functional transfer to line 46A, Defense Innovation Acceleration			- 114,100
54	Defense-Wide Manufacturing Science and Technology Program	256,142	362,142	+ 106,000
	Program increase: CMMC compliance for cybersecurity in manufacturing			+ 6,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Custom electrolytes for military lithium batteries			+ 10,000
	Program increase: Data analytics and visualization system			+ 12,000
	Program increase: Engineered resilient systems			+ 10,000
	Program increase: High performance computing enabled large-scale manufacturing			+ 25,000
	Program increase: High temperature composite material manufacturing			+ 10,000
	Program increase: Microelectromechanical systems mirror-based LiDAR sensor			+ 3,000
	Program increase: Next generation textiles			+ 10,000
	Program increase: OT and internet-of-things asset identification and management			+ 5,000
	Program increase: Supply chain adaptation of artificial intelligence and robotics			+ 15,000
55	Manufacturing Technology Program	46,166	72,766	+ 26,600
	Program increase: Battery grade graphite			+ 3,600
	Program increase: Flake graphite-based solutions for PFAS contamination			+ 5,000
	Program increase: High performance magnets			+ 5,000
	Program increase: Hypersonic radomes and apertures			+ 5,000
	Program increase: Steel performance initiative			+ 3,000
	Program increase: Supply chain readiness improvement program			+ 5,000
58	Microelectronics Technology Development and Support	139,833	167,333	+ 27,500
	Functional transfer from line 101, Trusted and Assured Microelectronics			+ 12,500
	Program increase: Advanced node semiconductors			+ 5,000
	Program increase: Secure advanced on-shore test capability			+ 10,000
60	Advanced Electronics Technologies	250,917	75,917	- 175,000
	Unjustified request: Next generation microelectronics prototyping public-private partnership			- 175,000
67	Test & Evaluation Science & Technology	315,090	1,234,090	+ 919,000
	Program increase: Advanced cybersecurity signal generation			+ 4,000
	Program increase: Hypersonic thermal protection test equipment			+ 10,000
	Program increase: Hypersonic wave heat facilities			+ 15,000
	Program increase: Test capabilities acceleration—Electronicmagnetic spectrum test emitters			+ 250,000
	Program increase: Test capabilities acceleration—Electronicmagnetic spectrum sensor fusion			+ 150,000
	Program increase: Test capabilities acceleration—Airborne 5G			+ 30,000
	Program increase: Test capabilities acceleration—5G range instrumentation			+ 30,000
	Program increase: Test capabilities acceleration—Additional hypersonics sensor packages for RQ-4 and MQ-9 platforms			+ 150,000
	Program increase: Test capabilities acceleration—Directed energy airborne high-power testbed			+ 30,000
	Program increase: Test capabilities acceleration—Space-based range tracking			+ 50,000
	Program increase: Test capabilities acceleration—5th generation aerial target			+ 100,000
	Program increase: Test capabilities acceleration—Artificial intelligence hubs technology development			+ 100,000
68	National Security Innovation Network	22,028	72,028	+ 50,000
	Program increase: Mission acceleration center			+ 50,000
69	Operational Energy Capability Improvement	180,170	182,170	+ 2,000
	Program increase			+ 8,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Adaptive aerodynamic surfaces technology			+ 5,000
	Program increase: Distributed maritime energy research			+ 2,000
	Program increase: Laser wireless power transfer			+ 5,000
	Early to need			- 18,000
72	SOF Advanced Technology Development	118,877	127,940	+ 9,063
	Program increase: Identity threat mitigation and force protection			+ 17,000
	Program increase: Next generation ISR SOF enhancement			+ 7,000
	Unjustified growth: Engineering analysis			- 14,937
76	Environmental Security Technical Certification Program	84,638	102,638	+ 18,000
	Program increase: PFAS on-site remediation technology			+ 15,000
	Program increase: Sustainable technology evaluation and demonstration program			+ 3,000
77	Ballistic Missile Defense Terminal Defense Segment	190,216	195,216	+ 5,000
	Program increase: Survivability planning and intercept evaluation tool			+ 5,000
78	Ballistic Missile Defense Midcourse Defense Segment	667,524	681,425	+ 13,901
	Program increase: Ground-based interceptor service life extension			+ 33,200
	Systems engineering growth			- 17,185
	Program operations growth			- 2,114
79	Chemical and Biological Defense Program—Dem/Val	291,364	214,229	- 77,135
	Early to need			- 77,135
83	AEGIS BMD	600,072	575,543	- 24,529
	Cyber operations previously funded			- 2,793
	Program operational growth			- 1,500
	Lack of schedule clarity for AEGIS BMD 5.x			- 16,041
	BMD 6.x cost previously funded			- 4,195
91	Ballistic Missile Defense Targets	559,513	556,638	- 2,875
	Program increase: Advanced reactive target simulation (RTS)			+ 20,000
	Program increase: Target front end (ATFE) configuration 3 technology maturation			+ 10,000
	Program increase: Missile defense system architecture integration and analysis			+ 12,000
	Prior year test adjustments			- 44,875
95	Guam Defense Development	397,936	317,936	- 80,000
	Lack of acquisition strategy			- 80,000
96	Technology Maturation Initiatives		7,000	+ 7,000
	Program increase: Diode-pumped alkali laser development			+ 7,000
97	Chief Digital and Artificial Intelligence Officer (CDAO)—MIP Classified adjustment	33,950	70,790	+ 36,840
	.....			+ 36,840
99	Hypersonic Defense	225,477	517,977	+ 292,500
	Program increase: Glide Phase Defeat Weapons System			+ 292,500
100	Advanced Innovative Technologies	1,145,358	1,199,722	+ 54,364
	Functional transfer from line 102, Rapid Prototyping Program SCIFIRE and JAKCC			+ 63,600
	Cost overestimation: Mission support expenses			- 49,236
	Program increase: LIDAR C-UAS automated target recognition			+ 5,000
	Program increase: Pele micro nuclear reactor			+ 17,000
	Program increase: Seaman's Eye			+ 8,000
	Program increase: Service tactical signal intelligence (SIGINT) upgrades			+ 10,000
101	Trusted & Assured Microelectronics	647,226	580,476	- 66,750
	Program increase: Magnetoresistive random-access memory			+ 3,500

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Radiation hardened fully depleted silicon-on-insulator microelectronics			+ 10,000
	Duplicative unexecutable funding			- 50,000
	Early to need			- 17,750
	Functional transfer to line 58, Microelectronics Technology and Support			- 12,500
102	Rapid Prototyping Program	179,189		- 179,189
	Functional transfer to line 102B, Rapid Defense Experimentation Reserve			- 70,000
	Functional transfer to line 102A, Defense Innovation Acceleration Prototyping			- 45,589
	Functional transfer to line 100, Advanced Innovative Technologies SCIFIRE and JAKCC			- 63,600
102A	Defense Innovation Acceleration Prototyping		20,000	+ 20,000
	Functional transfer from line 102, Rapid Prototyping Program			+ 45,589
	Program decrease			- 25,589
102B	Rapid Defense Experimentation Reserve		5,000	+ 5,000
	Functional transfer from line 102, Rapid Prototyping Program			+ 70,000
	Unjustified request: Rapid defense experimentation reserve			- 65,000
103	Defense Innovation Unit [DIU] Prototyping	24,402	35,402	+ 11,000
	Program increase: Orbital prototyping			+ 11,000
104	Department of Defense [DOD] Unmanned System Common Development	2,691	7,691	+ 5,000
	Program increase: Unmanned traffic management prototyping and fielding			+ 5,000
106	Operational Energy Capability Improvement—Non S&T	45,779	34,479	- 11,300
	Early to need			- 11,300
109	Joint C5 Capability Development, Integration and interoperability Assessments	40,699	44,699	+ 4,000
	Program increase: Command and control of the information environment (C2IE)			+ 9,000
	Unjustified request			- 5,000
113	Aegis BMD Test	182,776	152,776	- 30,000
	Prior year test adjustments			- 30,000
124	Chief Digital and Artificial Intelligence Officer (CDAO)—Dem/Val Activities	273,340	323,340	+ 50,000
	Program increase: Vertical munitions and fuel data integration pilots			+ 50,000
127	Chemical and Biological Defense Program—EMD	312,148	294,148	- 18,000
	Early to need			- 18,000
132	Defense Exportability Program	10,145	40,145	+ 30,000
	Program increase			+ 30,000
139	Trusted & Assured Microelectronics	302,963	252,963	- 50,000
	Duplicative unexecutable funding			- 50,000
146	Central Test and Evaluation Investment Development (CTEIP)	819,358	1,125,358	+ 306,000
	Program increase: Test capabilities acceleration—Hypersonics high speed test track			+ 100,000
	Program increase: Test capabilities acceleration—Hypersonics scramjet wind tunnel			+ 100,000
	Program increase: Test capabilities acceleration—Hypersonics aeroshell test facility			+ 100,000
	Program increase: Spectrum superiority testbed			+ 6,000
148	Mission Support	86,869	82,869	- 4,000
	Excess growth			- 4,000
149	Joint Mission Environment Test Capability [JMETC]	126,079	326,079	+ 200,000
	Program increase: Test capabilities acceleration—Data management/big data analytics			+ 100,000
	Program increase: Test capabilities acceleration—Artificial intelligence hub infrastructure			+ 100,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
150	Joint Integrated Air and Missile Defense Organization (JIAMDO)	53,278	50,878	- 2,400
	Excess to need: Core			- 2,400
151	Classified Program USD(P)		146,651	+ 146,651
	Program increase			+ 146,651
158	Small Business Innovative Research—Chemical Biological Def		2,000	+ 2,000
	Program increase: Infectious disease diagnostics			+ 2,000
167	Defense Technology Analysis	56,114	61,114	+ 5,000
	Program increase: Partnership intermediary program			+ 5,000
179	Cyber Resiliency and Cybersecurity Policy	32,306	102,306	+ 70,000
	Program increase: Deep Cyber Resilience Analysis (DCRA)			+ 20,000
	Program increase: Small business and academia cybersecurity maturity model certification			+ 50,000
200	Industrial Base Analysis and Sustainment Support	588,094	805,094	+ 217,000
	Program increase: Advanced headborne systems manufacturing			+ 5,000
	Program increase: Aluminum armor plating			+ 1,500
	Program increase: Automated textile manufacturing			+ 7,500
	Program increase: Carbon industrial base enhancement			+ 3,000
	Program increase: Demonstration scale of REE from coal ash technology			+ 30,000
	Program increase: Expanding U.S. defense workforce			+ 100,000
	Program increase: Interdisciplinary center for advanced manufacturing			+ 10,000
	Program increase: Metal-organic frameworks			+ 5,000
	Program increase: Precision optics manufacturing			+ 5,000
	Program increase: Resilient manufacturing ecosystem			+ 5,000
	Program increase: Munitions supply chain diversification			+ 45,000
214	Information Systems Security Program	593,831	637,831	+ 44,000
	Program increase: Centers for academic excellence			+ 20,000
	Program increase: Cyber institutes at senior military colleges			+ 24,000
237	Policy R&D Programs	6,214	9,214	+ 3,000
	Program increase: Offshore wind energy cyber research and development			+ 3,000
247	Cyberspace Operations Forces and Force Support	2,497	7,497	+ 5,000
	Program increase: Cyber defensive operations and training			+ 5,000
258	Pacific Disaster Centers	1,875	11,875	+ 10,000
	Program increase: Global water security center			+ 10,000
263	Aviation Systems	179,499	169,626	- 9,873
	Program increase: Development of cyber security and continuous monitoring of serial bus systems			+ 10,000
	Prior year underexecution: Mission Processor Upgrades			- 1,577
	Unjustified growth: Aviation engineering analysis			- 7,546
	Unjustified growth: Degraded visual environment			- 10,750
265	Operational Enhancements	142,900	158,010	+ 15,110
	Program increase: Gesture control integration project			+ 5,000
	Program increase: Maritime-launched loitering munition system			+ 8,610
	Program increase: UAS electronic deception			+ 1,500
266	Warrior Systems	129,133	136,140	+ 7,007
	Program increase: Global data analytics and visualization			+ 8,000
	Program increase: MISO evaluation and transregional assessments			+ 10,000
	Program increase: PFAS/PFOA free durable water repellent treatment			+ 4,000
	Program increase: Single-channel handheld enhancements			+ 8,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Functional transfer from P,DW Line 70, Ordnance Items <\$5M for MPE-M			+ 3,600
	Unjustified growth: Family of special operations vehicles			- 2,875
	Unjustified growth: Mission command system/common operating picture			- 13,919
	Classified adjustment			- 9,799
273A	National Industrial Security Systems (NISS)		14,749	+ 14,749
	Transfer from line 282 for BA08 Software Pilot Program			+ 14,749
	Classified Programs	7,857,104	7,979,492	+ 122,388
	Classified adjustment			+ 122,388
276	Accelerate the Procurement and Fielding of Innovative Technologies (APFIT)	100,000		- 100,000
	Unjustified request			- 100,000
282	National Industrial Security Systems (NISS)—Software Pilot Program	14,749		- 14,749
	Transfer to line 273A, unjustified BA08 Software Pilot Program			- 14,749
	Classified Programs	265,028		- 265,028
	Classified adjustment			- 265,028

Streamlining and Bolstering Innovation Program Elements.—In the explanatory statement accompanying the Department of Defense Appropriations Act, 2022, the Committee directed a review of the scope and purpose of existing prototyping, experimentation, and demonstration programs funded within Research, Development, Test and Evaluation, Defense-Wide [RDDW], to include: Applied Research for the Advancement of Science and Technology Priorities, Defense Modernization and Prototyping, Joint Capability Technology Demonstrations, Technology Innovation, and Rapid Prototyping Program. Further, the fiscal year 2023 President’s budget request includes funding for the Rapid Defense Experimentation Reserve [RDER] within the Rapid Prototyping Program.

The Committee notes that the fiscal year 2023 President’s budget request contains no changes to the program element structure governing prototyping programs. Further, the Committee notes that the existing program element structure merely mitigates near-term innovation challenges through a user- and vendor-focused funding model, rather than implementing a holistic technology-focused vision that affirmatively drives future capability development. Moreover, the continued inclusion of RDER within these program elements is inaccurate since RDER is not a prototyping effort.

Therefore, the Committee’s recommendation consolidates existing prototyping program elements into one dedicated program element per budget activity. In Budget Activity 03, the Defense Modernization and Prototyping Program, the Joint Capability Technology Demonstration, and Technology Innovation program elements are combined to create the Defense Innovation Acceleration program element. In Budget Activity 04, activities associated with the RDER are now a new stand-alone program element. Remaining efforts within Budget Activity 04 are consolidated into a new program element, Defense Innovation Acceleration Prototyping.

Further, the Committee notes that these program elements have historically been governed by different rules for new-start projects

in the year of execution. Therefore, the Committee modifies section 8061 to normalize standards across RDDW innovation program elements.

Complete and Timely Financial Reporting.—The Committee notes that comprehensive and timely financial reporting, particularly obligation and expenditure data, is critical to developing an objective assessment of the relative performance and financial needs of defense acquisition programs. While the Under Secretary of Defense (Comptroller) has made progress in modernizing its financial reporting data, the Committee is concerned that the Department still faces notable technical and capacity barriers to providing a comprehensive accounting of execution data to the congressional defense committees. Therefore, the Committee directs the Undersecretary of Defense (Comptroller) to provide to the congressional defense committees not later than 60 days after the enactment of this act a plan for delivery of comprehensive obligation and execution data, including expenditure data for funds with a tenure longer than 1 year.

Radar Transmission Capabilities.—The Committee supports the ongoing efforts by the National Science Foundation, its National Radio Astronomy Observatory, and industry partners to develop the Next Generation Very Large Array and a new high-power radar transmitter for the Green Bank Telescope, with capabilities designed to provide radar observations deep into the Cis-lunar space region. The Committee recognizes that these capabilities can provide the Department of Defense national security capabilities for navigation and space situational awareness [SSA]. Therefore, the Committee directs the Secretary of Defense to provide a report to the congressional defense committees not later than 180 days after the enactment of this act on current and potential SSA and high-frequency, radar transmission capabilities. The report should include (1) a review of current SSA capabilities and shortfalls; (2) an assessment of potential development activities and their ability to support Department of Defense SSA requirements; (3) and plans, funding, and timelines for future SSA radar observation capabilities to meet national security requirements.

Expanding the Defense Research Workforce.—The Committee is supportive of the Department expanding undergraduate and post-graduate scientific research participants within the military branches and defense-wide laboratories to develop a pipeline of scientific talent to help accelerate national security priorities. Therefore, the Committee encourages the Under Secretary of Defense (Research and Engineering) to explore and implement a strategy to adequately resource the expansion of undergraduate and post-graduate appointments within the military through fiscal years 2023–2028. The Committee further encourages the Department to engage with an existing not-for-profit university consortium supporting current Department of Defense elements as it develops the aforementioned strategy.

Nuclear Micro-Reactor Program.—The Committee applauds the Department of Defense's pursuit of nuclear micro-reactors to increase lethality and maintain superiority against potential near-peer adversaries. Micro-reactor technology has the potential to increase energy supplies and resiliency for remote activities and im-

prove the execution of humanitarian and disaster relief operations. The Committee commends the efforts of the Strategic Capabilities Office to meet the urgent operational needs for nuclear micro-reactor capabilities, but notes the importance for this effort to ultimately transition to a service program of record. Therefore, the Committee encourages the Secretary of Defense, in coordination with the Director of the Strategic Capabilities Office, to reevaluate the planned transition schedule and designate an executive agent for mobile micro-reactors within the Department of Defense.

STEM Education Partnership with Hispanic-Serving Institutions.—The Committee recognizes the vital need to improve Science, Technology, Engineering, and Math [STEM] education and teacher training nationwide to address national security workforce demands across the government and defense industrial base. The Committee encourages the Secretary of Defense to work in partnership with Hispanic-serving institutions to foster innovative research and implementation tactics to improve elementary, secondary, and post-secondary STEM education, as well as teacher preparation and workforce development.

Defense Innovation Unit Regional Outreach.—The Committee encourages the Department to evaluate the expansion of the geographic presence of Defense Innovation Unit activities to new or underserved regions. Such an evaluation could consider cities and regions with access to partnership opportunities at institutions of higher education that conduct relevant federally-funded research, access to a relevant private commercial sector, and proximity to major Department of Defense installations and relevant activities.

Department of Defense Partnership Intermediary.—The Committee supports increased use of a Department of Defense Partnership Intermediary as defined in 15 U.S.C. 3715, to seek out, assess and engage non-traditional small business vendors into the Department's development and acquisition efforts. The effort should engage a Partnership Intermediary with a successful history of leveraging non-Department of Defense networks and using innovative means to seek out, identify, qualify and help to interest new and non-traditional small business and manufacturers in sharing their innovations and doing business with the Department. Expanding the availability of highly qualified non-traditional manufacturers within the Department of Defense's support base will save money for the taxpayer and the Department of Defense, broaden the national industrial base, and bring improved solutions and equipment to the warfighter faster.

Broad-Spectrum Host-Directed Antivirals.—The Committee remains concerned that there has been insufficient focus for the development of small molecule, broad-spectrum host-directed antivirals as a medical countermeasure. The Committee encourages the Department of Defense to prioritize the advanced development of repurposed broad-spectrum small-molecule host-directed antivirals.

Additive Manufacturing for Ballistic Missile Defense Targets.—The Committee is aware of advancements in large-scale metal additive manufacturing technology that could result in significant cost savings in the production of Ballistic Missile Defense System [BMDS] targets. The Committee encourages the Director of the

Missile Defense Agency to evaluate this technology for its usefulness in manufacturing BMDS targets.

OPERATIONAL TEST AND EVALUATION, DEFENSE

Budget estimate, 2023 \$277,194,000
 Committee recommendation 602,194,000

The Committee recommends an appropriation of \$602,194,000. This is \$325,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	OPERATIONAL TEST AND EVALUATION, DEFENSE			
	RDT&E MANAGEMENT SUPPORT			
1	OPERATIONAL TEST AND EVALUATION	119,529	124,529	+ 5,000
2	LIVE FIRE TEST AND EVALUATION	99,947	219,947	+ 120,000
3	OPERATIONAL TEST ACTIVITIES AND ANALYSES	57,718	257,718	+ 200,000
	TOTAL, RDT&E MANAGEMENT SUPPORT	277,194	602,194	+ 325,000
	TOTAL, OPERATIONAL TEST AND EVALUATION, DEFENSE	277,194	602,194	+ 325,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	Operational Test and Evaluation	119,529	124,529	+ 5,000
	Program increase: Browser plug-in security research ..			+ 5,000
2	Live Fire Test and Evaluation	99,947	219,947	+ 120,000
	Program increase: Test capabilities acceleration— Electromagnetic spectrum live fire test and evaluation			+ 50,000
	Program increase: Test capabilities acceleration— Hypersonics live fire test and evaluation			+ 30,000
	Program increase: Test capabilities acceleration— Space systems live fire test and evaluation			+ 30,000
	Program increase: Test capabilities acceleration— Data management tri-service data repository			+ 10,000
3	Operational Test Activities and Analyses	57,718	257,718	+ 200,000
	Program increase: Test capabilities acceleration— Directed energy instrumentation			+ 20,000
	Program increase: Test capabilities acceleration— Space systems operational test and evaluation			+ 20,000
	Program increase: Test capabilities acceleration— Next phase of threat specific and threat capable models			+ 50,000
	Program increase: Test capabilities acceleration— Data management operational test activities and analysis			+ 30,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Test capabilities acceleration—AI-reliant cognitive electronic warfare systems models development			+ 30,000
	Program increase: Test capabilities acceleration—Tools and technologies for artificial intelligence/autonomous systems evaluation			+ 30,000
	Program increase: Test capabilities acceleration—Innovation hub for software and cyber			+ 20,000

Certification of Funding for Test Infrastructure and Test Event Resources.—The Department of Defense’s component and Service acquisition executives are directed to (1) certify to the Director, Operational Test and Evaluation [DOT&E], that the Department of Defense’s and Services’ test infrastructure, assets, and personnel are fully funded in the budget year and the Future Years Defense Program to support agreed-upon Test and Evaluation Master Plans, Test and Evaluation Strategies or equivalent documents for programs on the DOT&E Oversight List and (2) provide this certification in the format, defined by the Director, not later than 60 days prior to the submission of the fiscal year 2024 President’s budget request. The Director, Operational Test and Evaluation, is directed to provide an assessment to the congressional defense committees with submission of the fiscal year 2024 President’s budget request on whether or not the test infrastructure, assets, and personnel funding in the budget year and the Future Years Defense Program can adequately support agreed-upon test and evaluation programs and identify where applicable—shortfalls by service and program.

TITLE V
 REVOLVING AND MANAGEMENT FUNDS
 DEFENSE WORKING CAPITAL FUNDS

Budget estimate, 2023 \$1,583,395,000
 Committee recommendation 1,445,095,000

The Committee recommends an appropriation of \$1,445,095,000.
 This is \$138,300,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Item	2023 budget estimate	Committee recommendation	Change from budget estimate
Industrial Operations	28,448	143,448	+ 115,000
Program increase: Arsenal Sustainment Initiative			+ 115,000
Supply Management	1,489	1,489	
Total, Defense Working Capital Fund, Army	29,937	144,937	+ 115,000
Supplies and Materials	80,448	80,448	
Total, Defense Working Capital Fund, Air Force	80,448	80,448	
National Defense Stockpile Transaction Fund	253,500		- 253,500
Transfer: National Defense Stockpile Transaction Fund funded in Sec. 8034			- 253,500
Defense Logistics Agency-Defense Automation & Production Services	2	2	
Defense Logistics Agency-Energy Management	8,300	8,300	
Total, Defense Working Capital Fund, Defense-wide	261,802	8,302	
Commissary Operations	1,211,208	1,211,408	+ 200
Program increase: Doorstop Deliveries			+ 200
Total, Defense Working Capital Fund, Defense-wide, DECA	1,211,208	1,211,408	
Grand Total, Defense Working Capital Funds	1,583,395	1,445,095	- 138,300

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

TITLE VI
OTHER DEPARTMENT OF DEFENSE PROGRAMS
DEFENSE HEALTH PROGRAM

Budget estimate, 2023 \$36,932,174,000
Committee recommendation 37,617,924,000

The Committee recommends an appropriation of \$37,617,924,000.
This is \$685,750,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	DEFENSE HEALTH PROGRAM			
	OPERATION AND MAINTENANCE			
10	IN-HOUSE CARE	9,906,943	9,784,374	- 122,569
20	PRIVATE SECTOR CARE	18,455,209	18,455,209	.....
30	CONSOLIDATED HEALTH SUPPORT	1,916,366	1,815,722	- 100,644
40	INFORMATION MANAGEMENT	2,251,151	2,318,932	+ 67,781
50	MANAGEMENT ACTIVITIES	338,678	338,678	.....
60	EDUCATION AND TRAINING	334,845	351,845	+ 17,000
70	BASE OPERATIONS/COMMUNICATIONS	2,111,558	1,981,440	- 130,118
	SUBTOTAL, OPERATION AND MAINTENANCE	35,314,750	35,046,200	- 268,550
	PROCUREMENT			
150	INITIAL OUTFITTING	21,625	21,625	.....
160	REPLACEMENT AND MODERNIZATION	234,157	234,157	.....
180	MILITARY HEALTH SYSTEM—DESKTOP TO DATACENTER	74,068	74,068	.....
180	DOD HEALTH MANAGEMENT SYSTEM MODERNIZATION	240,224	240,224	.....
	SUBTOTAL, PROCUREMENT	570,074	570,074	.....
	RESEARCH DEVELOPMENT TEST AND EVALUATION			
80	RESEARCH	39,568	43,568	+ 4,000
90	EXPLORATORY DEVELOPMENT	175,477	192,477	+ 17,000
100	ADVANCED DEVELOPMENT	320,862	320,862	.....
110	DEMONSTRATION/VALIDATION	166,960	177,116	+ 10,156
120	ENGINEERING DEVELOPMENT	103,970	103,970	.....
130	MANAGEMENT AND SUPPORT	85,186	85,186	.....
140	CAPABILITIES ENHANCEMENT	17,971	17,971	.....
150	UNDISTRIBUTED MEDICAL RESEARCH .....	.....	1,060,500	+ 1,060,500
	DOD MEDICAL INFORMATION EXCHANGE AND INTEROPERABILITY (DMIX) / ENTERPRISE INTELLIGENCE AND DATA SOLUTIONS (IDS)	137,356	.....	- 137,356

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	SUBTOTAL, RESEARCH DEVELOPMENT TEST AND EVALUATION	1,047,350	2,001,650	+ 954,300
	SOFTWARE & TECHNOLOGY PILOT PROGRAMS			
	TOTAL, DEFENSE HEALTH PROGRAM	36,932,174	37,617,924	+ 685,750

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
10	In-House Care	9,906,943	9,784,374	- 122,569
	Unjustified contract staffing growth			- 43,366
	Medical care contracts historic overestimation			- 79,203
30	Consolidated Health Care	1,916,366	1,815,722	- 100,644
	Unjustified contract staffing growth			- 4,826
	Historic underexecution			- 95,818
40	Information Management	2,251,151	2,318,932	+ 67,781
	Unjustified software cost growth			- 59,419
	Transfer: From BA08 software & digital technology pilot program			+ 127,200
60	Education and Training	334,845	351,845	+ 17,000
	Program increase: TriService nursing research program			+ 7,000
	Program increase: Uniformed Services University academic programs			+ 10,000
70	Base Operations/Communications	2,111,558	1,981,440	- 130,118
	Unjustified contract staffing growth			- 8,348
	Other services cost overestimation			- 16,193
	Historic underexecution			- 98,415
	Excess to need			- 7,162
15	Software & Digital Technology Pilot Program	137,356		- 137,356
	Transfer: To O&M line 40 and Research line 110			- 137,356
80	Research	39,568	43,568	+ 4,000
	Program increase: Special operations TBI pilot program			+ 4,000
90	Exploratory Development	175,477	192,477	+ 17,000
	Program increase: Armed Forces Institute of Regenerative Medicine III			+ 10,000
	Program increase: Military-civilian trauma partnerships			+ 5,000
	Program increase: Non-direction blast sensors			+ 2,000
110	Demonstration/Development	166,960	177,116	+ 10,156
	Transfer: From BA08 software & digital technology pilot program			+ 10,156
150	Undistributed Medical Research		1,060,500	+ 1,060,500
	Restore core funding reduction			+ 106,000
	Program increase: Chronic pain management			+ 15,000
	Program increase: Joint warfighter medical research ..			+ 25,000
	Program increase: Orthotics and prosthetics outcomes research			+ 15,000
	Program increase: Peer-reviewed ALS research			+ 40,000
	Program increase: Peer-reviewed breast cancer research			+ 130,000
	Program increase: Peer-reviewed cancer research			+ 130,000
	Program increase: Peer-reviewed epilepsy research			+ 12,000
	Program increase: Peer-reviewed medical research			+ 370,000

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Peer-reviewed melanoma research .....	.....	.....	+ 40,000
	Program increase: Peer-reviewed ovarian cancer re- search .....	.....	.....	+ 15,000
	Program increase: Peer-reviewed prostate cancer re- search .....	.....	.....	+ 75,000
	Program increase: Peer-reviewed rare cancers re- search .....	.....	.....	+ 17,500
	Program increase: Peer-reviewed traumatic brain in- jury and psychological health research .....	.....	.....	+ 70,000

Defense Health Program Reprogramming Procedures.—To limit the amount of transfers between the In-House Care and the Private Sector Care budget sub-activities and to continue to improve oversight within the Defense Health Program operation and maintenance account, the Committee includes a provision which caps the funds available for Private Sector Care under the TRICARE program subject to prior approval reprogramming procedures. The provision and accompanying explanatory statement should not be interpreted by the Department as limiting the amount of funds that may be transferred to the Direct Care System from other budget activities within the Defense Health Program. In addition, funding for the In-House Care and Private Sector Care budget sub-activities are designated as congressional special interest items. Any transfer of funds in excess of \$10,000,000 into or out of these sub-activities requires the Secretary of Defense to follow prior approval reprogramming procedures.

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 15 days after such a transfer. The Committee further directs the Assistant Secretary of Defense (Health Affairs) to provide quarterly briefings to the congressional defense committees on budget execution data for all of the Defense Health Program budget activities not later than 30 days after the end of each fiscal quarter, and to adequately reflect changes to the budget activities requested by the Services in future budget submissions.

Carryover.—For fiscal year 2023, the Committee recommends 1 percent carryover authority for the operation and maintenance account of the Defense Health Program. The Committee directs the Assistant Secretary of Defense (Health Affairs) to submit a detailed spend plan for any fiscal year 2022 designated carryover funds to the congressional defense committees not less than 30 days prior to executing the carryover funds.

Electronic Health Record.—The Committee remains supportive of the goal of the Departments of Defense and Veterans Affairs to develop and deploy fully interoperable electronic health records that can exchange data in a meaningful way and be used in a dynamic environment to improve patient care and facilitate smoother transitions for servicemembers from military service to veteran status.

The Committee notes that electronic health record deployment timeline is dependent on a robust information technology program. Therefore, the Committee directs the Program Executive Officer,

Defense Healthcare Management Systems [PEO DHMS], to continue to provide monthly reports not later than 15 days after the end of each month to the congressional defense committees on the status of all open incident reports, as well as the 46 high priority incident reports, in order for the Committee to better track the progress of the Department in resolving the multitude of issues identified in the continuous deployment of MHS GENESIS.

The PEO DHMS, in conjunction with the Director of the Interagency Program Office [IPO] and the Director of the Defense Health Agency, is directed to provide quarterly reports not later than 30 days after the end of each fiscal quarter to the congressional defense committees and the Government Accountability Office on the cost and schedule of the program, to include milestones, knowledge points, and acquisition timelines, as well as quarterly obligation reports. These reports should also include the following: (1) any changes to the deployment timeline, including benchmarks, for full operating capability; (2) any refinements to the cost estimate for full operating capability and the total life cycle cost of the project; and (3) the progress toward developing, implementing, and fielding the interoperable electronic health record throughout the two Departments' medical facilities. The Committee further directs the PEO DHMS to continue briefing the House of Representatives and Senate Defense Appropriations Subcommittees on a quarterly basis, coinciding with the report submission.

Additionally, the Committee directs the Comptroller General to continue quarterly performance reviews of the deployment of MHS GENESIS with a focus on whether the program is meeting expected cost, schedule, scope, quality, and risk mitigation expectations. The Committee expects PEO DHMS to facilitate these quarterly performance reviews by providing the Comptroller General with regular and in-depth access to the program.

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

Military Treatment Facility Transition.—The Committee understands that the transition of the administration of the military treatment facilities [MTF] to the Defense Health Agency [DHA] is near completion, including OCONUS locations. Therefore, the Committee directs that the Comptroller General shall continue to provide the congressional defense committees a report not later than 90 days after the enactment of this act on the status of the transition of MTFs to the DHA. The report shall include (1) a review of functions at facilities that have already transitioned, including DHA's role or management and the administration support that the Services are providing and a timeline for that support to cease; (2) cost implications of the transition, including the Department's plan for maximizing efficiencies and reducing duplication; (3) the current and planned DHA staffing model; and (4) how the DHA will ensure that the Services' medical requirements are considered and met. The Committee directs the Department to continue to provide any updates regarding the MTF transition directly to the

congressional defense committees in a timely manner in order to facilitate appropriate congressional oversight.

Traumatic Brain Injury/Psychological Health.—The Committee recommends \$70,000,000 above the fiscal year 2023 budget request for continued research into treatment, prevention, and detection of Traumatic Brain Injury [TBI] and improved psychological health. The Committee directs the Assistant Secretary of Defense (Health Affairs) to submit a report to the congressional defense committees not later than 18 months after the enactment of this act on expenditure and obligation data of funding added by Congress for psychological health and TBI. This report should include the delineation of funds and information on agreements made with other government agencies.

The Committee remains supportive of the Traumatic Brain Injury and Psychological Health Research Program's [TBIPHRP] continued research examining the increased risk of certain conditions after an individual experiences TBI, and encourages the TBIPHRP to invest in research and development to identify a profile of biomarkers that may predict secondary complications such as sepsis and multiple organ failure.

The Committee is also encouraged by the progress and results of the Team Approach to the Prevention and Treatment of Post-Traumatic Epilepsy [TAPTE] Initiative funded by the TBIPHRP. In the last decade, more than 400,000 military personnel were diagnosed with TBI, and a study of veterans who served in Afghanistan and Iraq demonstrated that this population was 19 times more likely to develop post-traumatic epilepsy [PTE] than those without TBI. The Committee encourages the TBIPHRP to continue the TAPTE Initiative, expanding the program to its next phase focused on providing innovative research tools and identifying definitive biomarkers to pinpoint who will develop PTE following TBI.

Additionally, the Committee is aware of recent medical advances in drug development for neurodegenerative diseases and encourages the Department to further its research into developing drugs that reverse, halt, or slow the neurodegenerative process associated with TBI, including opportunities through public-private partnerships, such as the Medical Technology Consortium. The Committee is also aware of recent scientific evidence that suggests rotational acceleration resulting from blunt impact is a contributing factor to mild TBI [mTBI] and concussion, and encourages the Department to continue to work with and support research at non-Department of Defense entities that have developed and proposed rotational impact test methodologies to provide enhanced protection solutions.

The Committee also notes that more work needs to be done to diagnose TBI in all its forms, including mTBI and concussion. The Committee encourages the Department to continue research into and deployment of mTBI/concussion multi-modal diagnostic devices that have been cleared by the Food and Drug Administration. Finally, the Committee understands that chronic migraine is often associated with post-traumatic headaches of patients who suffer from TBI. Given the lack of data in this area, the Committee encourages the Department to support research to develop biomarkers useful in diagnosing and monitoring TBI patients with chronic migraine or post-traumatic headache.

Peer-Reviewed Medical Research Program.—The Committee recommends \$370,000,000 for the Peer-Reviewed Medical Research Program. The Committee directs the Secretary of Defense, in conjunction with the Service Surgeons General, to select medical research projects of clear scientific merit and direct relevance to military health. Research areas considered under this funding are restricted to: Alzheimer's; arthritis; autism; botulinum toxin type A; burn pit exposure; burn outcomes; celiac disease; Duchenne muscular dystrophy, dystonia; eating disorders; Ehlers-Danlos syndrome; eczema; neuroinflammatory responses to emerging viral diseases; endometriosis; epidermolysis bullosa; familial hypercholesterolemia; fibrous dysplasia/McCune-Albright syndrome; focal segmental glomerulosclerosis; food allergies; Fragile X; frontotemporal degeneration; Guillain-Barre syndrome; gulf war illness; hemorrhage control; hepatitis B; hereditary ataxia; hydrocephalus; hypercholesterolemia; inflammatory bowel diseases; interstitial cystitis; lupus; malaria; lymphatic disease; lymphedema; maternal mental health; mitochondrial disease; multiple sclerosis; musculoskeletal disorders related to acute and chronic bone conditions and injuries; myalgic encephalomyelitis/chronic fatigue syndrome; nephrotic syndrome; neuroactive steroids; neurofibromatosis; non-opioid therapy for pain management; orthopedics; pancreatitis; Parkinson's; peripheral neuropathy; polycystic kidney disease; pressure ulcers; proteomics; pulmonary fibrosis; reconstructive transplantation; respiratory health; rheumatoid arthritis; scleroderma; sickle-cell disease; sleep disorders and restriction; spinal cord; suicide prevention; tickborne diseases; trauma; tuberculosis; tuberous sclerosis complex; vision; and vascular malformations. The Committee emphasizes that the additional funding provided under the Peer-Reviewed Medical Research Program shall be devoted only to the purposes listed above.

Joint Warfighter Medical Research Program.—The Committee recommends \$25,000,000 for the Joint Warfighter Medical Research Program. Funds shall be used to augment and accelerate high priority Department of Defense and Service medical requirements and to continue both core and congressionally-directed prior year initiatives that are close to achieving their objectives and yielding a benefit to military medicine. These funds shall not be used for new projects or basic research, and they shall be awarded at the discretion of the Secretary of Defense following a review of medical research and development gaps, as well as unfinanced medical requirements of the Services. Further, the Committee directs the Assistant Secretary of Defense (Health Affairs) to provide a report not later than 18 months after the enactment 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.

Peer-Reviewed Cancer Research Programs.—The Committee recommends \$130,000,000 for the peer-reviewed breast cancer research program, \$75,000,000 for the peer-reviewed prostate cancer research program, \$40,000,000 for a peer-reviewed melanoma research program, \$15,000,000 for the peer-reviewed ovarian cancer

research program, \$17,500,000 for a peer-reviewed rare cancers research program, and \$130,000,000 for the peer-reviewed cancer research program that would research cancers not addressed in the aforementioned programs currently executed by the Department of Defense.

The funds provided in the peer-reviewed cancer research program are directed to be used to conduct research in the following areas: bladder cancer; blood cancers; brain cancer; endometrial cancer; esophageal cancer; colorectal cancer; kidney cancer; liver cancer; lung cancer; lymphoma; mesothelioma; metastatic cancer; myeloma; neuroblastoma; pancreatic cancer; pediatric brain tumors; pediatric, adolescent, and young adult cancers; stomach cancer; and Von Hippel-Lindau syndrome.

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 18 months after the enactment of this act to the congressional defense committees on the status of the peer-reviewed cancer research program. For each research area, the report should include the funding amount awarded, the progress of the research, and the relevance of the research to servicemembers.

Orthotics and Prosthetics Outcomes Research.—The Committee recommends \$15,000,000 in support of orthotics and prosthetics outcomes research. The focus of this research should be on outcomes-based best practices through analysis of the merits of clinical options currently available, not on the development or improvement of new and existing technology. The Committee directs the Assistant Secretary of Defense (Health Affairs) to provide a report not later than 18 months after the enactment of this act to the congressional defense committees on the peer-reviewed projects that receive funding. The report should include the funding amount awarded to each project and the anticipated effect on patient care.

Chronic Pain Management Research.—The Committee recommends \$15,000,000 for a chronic pain management research program to research opioid-alternative or non-addictive methods to treat and manage chronic pain. Chronic pain is defined as a pain that occurs on at least half the days for 6 months or more and which can be caused by issues, including but not limited to: combat- and training-related physical or mental stress and trauma, migraines and chronic headaches, traumatic brain injury, arthritis, muscular-skeletal conditions, neurological disease, tick and vector-borne disease, other insect-transmitted or tropical disease, and cancer. The funds provided in the chronic pain management research program shall be used to conduct research on the effects of using prescription opioids to manage chronic pain and for researching alternatives, namely non-opioid or non-addictive methods to treat and manage chronic pain, with a focus on issues related to military populations. The Committee encourages the Department to collaborate with non-military research institutions, such as the institutions of the National Institutes of Health Pain Consortium and the institutions represented in the Interagency Pain Research Coordinating Committee, to address the efforts outlined in the 2016 National Pain Strategy.

Warfighter Respiratory Health.—The Committee remains concerned about respiratory ailments among deployed and returning servicemembers and their deleterious effects on combat and personnel readiness. It is estimated that respiratory diseases affect more than 100,000 servicemembers each year and result in almost 27,000 lost workdays per year. The Committee has included respiratory health as part of the Peer-Reviewed Medical Research Program and urges the Assistant Secretary of Defense (Health Affairs) to continue to robustly fund research into deployed and previously-deployed warfighter respiratory illnesses.

Epilepsy Research.—The Committee remains concerned about the large number of service men and women returning from combat zones who have sustained TBI and the long term consequences of TBI. These wounded warriors are at high risk for developing post-traumatic epilepsy, depression, cognitive difficulties, and post-traumatic stress disorder, which may be interconnected. As current TBI longitudinal studies have not included epilepsy, the Committee encourages the Department to place greater priority and invest more funding in longitudinal epidemiological research, including epilepsy surveillance, to better understand the magnitude of the problem and improve patient care and outcomes. To assist in these efforts, the Committee recommends \$12,000,000 in support of epilepsy research. Additionally, the Committee urges the Department to expand research into the mechanisms by which brain injury produces epilepsy and research directed at the prevention of epilepsy and concomitant comorbidities in those known to be at high risk.

Melanoma Research.—The Committee understands that melanoma diagnoses are increasing among active duty servicemembers and that melanoma is the fifth most common cancer among veterans. Recent research suggests that exposure to high levels of solar radiation in young adulthood is associated with a higher risk of melanoma mortality. Given the extreme and harsh conditions servicemembers face in theater and the rise of this aggressive and frequently deadly form of cancer, the Committee encourages the Department to continue its investments in melanoma research and recommends \$40,000,000 for a peer-reviewed melanoma research program.

Peer-reviewed Amyotrophic Lateral Sclerosis.—The committee is aware of research that reports that people who served in the military are twice as likely to develop and die from Amyotrophic Lateral Sclerosis [ALS] as those with no history of military service, and therefore, it is especially important that this research be continued into early phase clinical trials. The Committee encourages the Department of Defense to take a broad approach to the type of research projects it may support through the peer-reviewed approach to help advance potential treatments for people living with ALS. The committee recommends \$40,000,000 for a peer-reviewed ALS research program.

Medical Defense Against Infectious Disease.—The Committee recognizes the importance of medical countermeasures to naturally occurring infectious diseases, such as malaria, Dengue, and Chikungunya viruses. These pose a significant threat to the strategic access and operational effectiveness of forces deployed outside the United States. The Committee remains concerned with the De-

partment’s decisions over recent years to precipitously decrease funding for malaria research, particularly due to the emergence of increased malaria resistance in Asia, as malaria remains the number one infectious disease threat to U.S. servicemembers abroad. The Committee commends the research on malaria and malaria vaccines performed by the Walter Reed Army Institute of Research and encourages the Department to continue investing in research for chemoprophylaxis, surveillance, vaccine development, and other countermeasures for malaria. The Committee further encourages the Department to partner with colleges and universities that have strong research programs in infectious diseases, as well as other Federal agencies, foreign governments, international agencies, and non-profit organizations.

Negative Air Pressure Containment Systems.—The Committee is concerned that the Department has not adequately addressed the scalability and surge capacity of commercial-off-the-shelf [COTS] negative air pressure containment systems to ensure readiness at U.S. Military Treatment Facilities [MTFs] world-wide. Therefore, the Committee directs the Assistant Secretary of Defense (Health Affairs) to explore COTS portable and modular negative air room containment systems to increase readiness and capacity to respond to pandemics and biological events at installations both CONUS and OCONUS. The Committee further directs the Assistant Secretary of Defense (Health Affairs) to provide a report to the congressional defense committees not later than 180 days after the enactment of this act on the Department’s assessment for modular negative air room containment system requirements in U.S. MTFs and detailed recommendations for the resources and acquisition of necessary systems.

Advanced Thermoformed Prosthetic Socket Systems.—The Committee commends the research and development activities of the Department in supporting servicemembers with limb loss, including efforts on the use and optimization of prosthetic devices. Advances in military medical trauma care solutions have evolved over the past 20 years to improve survivability rates following complex and polytraumatic injuries sustained by servicemembers on the battlefield. The increase in survivability rates highlights the need for more advanced technologies and skilled practitioners applying rehabilitation strategies to ensure servicemembers can return to duty or transition to civilians with the highest potential quality of life. To support servicemember health and quality of life following limb loss, advances in prosthetic socket systems aimed at alleviating pain, tissue breakdown, infections, and revision surgeries are required to prevent these co-morbidities and ensure proper form, fit, and function of assistive technologies. The Committee strongly encourages the Department to continue and expand research on prosthetic socket systems, including advanced thermoformed systems enabling customization of prosthetics to improve patient outcomes and support Warfighter return to duty or transition to civilian life.

CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

Budget estimate, 2023	\$1,059,818,000
Committee recommendation	1,059,818,000

The Committee recommends an appropriation of \$1,059,818,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
1	CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE			
	CHEM DEMILITARIZATION—OPERATION AND MAINTENANCE ..	84,612	84,612	.....
	TEST AND EVALUATION	975,206	975,206	.....
	TOTAL, CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE	1,059,818	1,059,818	.....

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

Budget estimate, 2023 \$855,728,000
 Committee recommendation 977,408,000

The Committee recommends an appropriation of \$977,408,000. This is \$121,680,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
010	Counter-Narcotics Support	619,474	621,154	+ 1,680
	Program increase: USNORTHCOM and USSOUTHCOM operations			+ 1,680
020	Drug Demand Reduction Program	130,060	130,060	.....
030	National Guard Counter-Drug Program	100,316	200,316	+ 100,000
	Program increase			+ 100,000
040	National Guard Counter-Drug Schools	5,878	25,878	+ 20,000
	Program increase			+ 20,000
	Total, Drug Interdiction and Counter-Drug Activities, Defense	855,728	977,408	+ 121,680

OFFICE OF THE INSPECTOR GENERAL

Budget estimate, 2023 \$479,359,000
 Committee recommendation 499,359,000

The Committee recommends an appropriation of \$499,359,000. This is \$20,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

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

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation
Office of the Inspector General, Operation and Maintenance	474,650	494,650	+ 20,000
Program increase			+ 20,000
Office of the Inspector General, Operation and Maintenance-CYBER	1,321	1,321	
Office of the Inspector General, Procurement	1,524	1,524	
Office of the Inspector General, Research and Development	1,864	1,864	
Total, Office of the Inspector General	479,359	499,359	+ 20,000

Quarterly End Strength and Execution Reports.—The Department of Defense Inspector General is directed to provide quarterly reports to the congressional defense committees on civilian personnel end strength, full-time equivalents, and budget execution not later than 15 days after the end of each fiscal quarter. The reports should contain quarterly civilian personnel end strength and full-time equivalents as well as an estimate of fiscal year end strength and fiscal year full-time equivalents. The reports should also include quarterly budget execution data along with revised fiscal year estimated execution data. The Inspector General is directed to provide realistic end of fiscal year estimates based on personnel trends to date.

SUPPORT FOR INTERNATIONAL SPORTING COMPETITIONS

Budget estimate, 2023	\$10,377,000
Committee recommendation	10,377,000

The Committee recommends an appropriation of \$10,377,000. This is equal to the budget estimate.

TITLE VII
RELATED AGENCIES

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY
SYSTEM FUND

Budget estimate, 2023	\$514,000,000
Committee recommendation	514,000,000

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

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

Budget estimate, 2023	\$635,000,000
Committee recommendation	581,210,000

The Committee recommends an appropriation of \$581,210,000.
This is \$53,790,000 below the budget estimate.

TITLE VIII

GENERAL PROVISIONS

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

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

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

SEC. 8003. *Annual Availability of Appropriations.*—Retains a provision carried in previous years.

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

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

Sec. 8006. *Project Level Adjustments.*—Retains and modifies a provision carried in previous years.

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

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

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

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

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

Sec. 8012. *Restriction on Civilian Personnel End-Strength.*—Retains and modifies a provision carried in previous years.

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

Sec. 8014. *Strategic Delivery Vehicles.*—Retains and modifies a provision carried in previous years.

T4Sec. 8015. *Mentor-Protégé Program.*—Retains and modifies a provision carried in previous years.

Sec. 8016. *Anchor and Mooring Chain.*—Retains a provision carried in previous years.

Sec. 8017. *Alcoholic Beverages.*—Retains a provision carried in previous years.

Sec. 8018. *Demilitarization of Surplus Firearms.*—Retains a provision carried in previous years.

Sec. 8019. *Relocations into the National Capital Region.*—Retains a provision carried in previous years.

Sec. 8020. *Indian Financing Act*.—Retains a provision carried in previous years.

Sec. 8021. *Walking Shield*.—Retains a provision carried in previous years.

Sec. 8022. *Tribal Lands Environmental Impact*.—Retains a provision carried in previous years.

Sec. 8023. *Defense Media Activity*.—Retains a provision carried in previous years.

Sec. 8024. *Funding to Maintain Competitive Rates at Arsenals*.—Retains and modifies a provision carried in previous years.

Sec. 8025. *Civil Air Patrol*.—Retains and modifies a provision carried in previous years.

Sec. 8026. *Federally Funded Research and Development Centers*.—Retains and modifies a provision carried in previous years.

Sec. 8027. *Congressional Defense Committee Definition*.—Retains a provision carried in previous years.

Sec. 8028. *Congressional Intelligence Committee Definition*.—Retains a provision carried in previous years.

Sec. 8029. *Depot Maintenance Competition*.—Retains a provision carried in previous years.

Sec. 8030. *Buy American Act Compliance*.—Retains a provision carried in previous years.

Sec. 8031. *Carbon, Alloy, or Armor Steel Plate*.—Retains a provision carried in previous years.

Sec. 8032. *Buy American Waivers*.—Retains and modifies a provision carried in previous years.

Sec. 8033. *Ball and Roller Bearings*.—Retains a provision carried in previous years.

Sec. 8034. *National Defense Stockpile Transaction Fund*.—Retains and modifies a provision carried in previous years.

Sec. 8035. *Buy American Computers*.—Retains a provision carried in previous years.

Sec. 8036. *Reciprocal Trade Agreements*.—Retains a provision carried in previous years.

Sec. 8037. *Flag Protection*.—Retains a provision carried in previous years.

Sec. 8038. *Overseas Military Facility Investment*.—Retains a provision carried in previous years.

Sec. 8039. *Investment Item Unit Cost*.—Retains and modifies a provision carried in previous years.

Sec. 8040. *Asia-Pacific Regional Initiative*.—Retains and modifies a provision carried in previous years.

Sec. 8041. *Tobacco Use in the Military*.—Retains a provision carried in previous years.

Sec. 8042. *Working Capital Fund Investment Item Restrictions*.—Retains and modifies a provision carried in previous years.

Sec. 8043. *CIA Availability of Funds*.—Retains and modifies a provision carried in previous years.

Sec. 8044. *Tactical Artificial Intelligence*.—Retains and modifies a provision carried in previous years.

Sec. 8045. *Commercial Innovation*.—Inserts a new provision providing transfer authority for appropriated funds for purposes of enhancing department access to commercial innovation.

Sec. 8046. *Contractor Conversion and Performance*.—Retains a provision carried in previous years.

Sec. 8047. *Rescissions*.—The Committee recommends a general provision rescinding funds from prior years as displayed below:

	Amount
2021 Appropriations	
Aircraft Procurement, Air Force:	
KC-46A MDAP	160,969
Combat Rescue Helicopter	44,289
H-60	8,458
2022 Appropriations	
Operation and Maintenance, Defense-Wide	
DSCA Coalition Support Funds	40,000
DSCA Border Security	25,000
Aircraft Procurement, Navy:	
Special Support Equipment	4,358
Shipbuilding and Conversion, Navy: CVN Refueling Overhauls (AP)	191,000
Shipbuilding and Conversion, Navy: Service Craft	6,092
Aircraft Procurement, Air Force:	
KC-46A MDAP	31,514
Combat Rescue Helicopter	32,144
B-52 TDL	14,200
Compass Call	23,693
E-3	13,400
E-8	6,600
MQ-9 Mods	65,417
Other Production Charges	18,837
Procurement, Space Force:	
National Security Space Launch	7,000
Research, Development, Test and Evaluation, Space Force:	
EO/IR Weather Systems	35,400
GPS III Follow-On [GPS IIIIF]	38,000
Next-Generation OPIR	66,000
BASE TOTAL	832,371

Sec. 8048. *Restrictions on Military Technician Reductions*.—Retains a provision carried in previous years.

Sec. 8049. *North Korea*.—Retains a provision carried in previous years.

Sec. 8050. *Reserve Component Intelligence Reimbursement*.—Retains a provision carried in previous years.

Sec. 8051. *Counter-Drug Activities Transfer*.—Retains a provision carried in previous years.

Sec. 8052. *United Service Organizations Grant*.—Retains and modifies a provision carried in previous years.

Sec. 8053. *Small Business Set-Asides*.—Retains a provision carried in previous years.

Sec. 8054. *Contractor Bonuses*.—Retains a provision carried in previous years.

Sec. 8055. *Reserve Peacetime Support*.—Retains a provision carried in previous years.

Sec. 8056. *Unexpended Balances*.—Retains and modifies a provision carried in previous years.

Sec. 8057. *National Guard Distance Learning*.—Retains a provision carried in previous years.

Sec. 8058. *Prohibition of C-40 Retirement*.—Inserts a new provision to limit funds for the retirement of C-40 aircraft.

Sec. 8059. *End-Item Procurement*.—Retains and modifies a provision carried in previous years.

Sec. 8060. *Military Family Housing*.—Retains a provision carried in previous years.

Sec. 8061. *Defense Innovation Acceleration Projects*.—Retains and modifies a provision carried in previous years.

Sec. 8062. *Secretary of Defense Reporting Requirement*.—Retains a provision carried in previous years.

Sec. 8063. *Missile Defense Authorization*.—Retains a provision carried in previous years.

Sec. 8064. *Armor-Piercing Ammo*.—Retains a provision carried in previous years.

Sec. 8065. *Personal Property Lease Payments*.—Retains a provision carried in previous years.

SEC. 8066. *Classified O&M, Army Transfer*.—Retains and modifies a provision carried in previous years.

Sec. 8067. *National Intelligence Program Separation*.—Retains a provision carried in previous years.

Sec. 8068. *SOUTHCOM and AFRICOM Appropriation*.—Inserts a new provision to provide transfer authority to improve capabilities of allies and partners in their areas of operation.

Sec. 8069. *Fisher House Authorization*.—Retains a provision carried in previous years.

SEC. 8070. *O&M, Navy Transfer to Stennis Center*.—Retains a provision carried in previous years.

Sec. 8071. *Assignment of Forces*.—Retains a provision carried in previous years.

Sec. 8072. *Rapid Acquisition Authority Reporting Requirement*.—Retains and modifies a provision carried in previous years.

Sec. 8073. *Israeli Cooperative Programs*.—Retains and modifies a provision carried in previous years.

Sec. 8074. *Prior Year Shipbuilding*.—Retains and modifies a provision carried in previous years.

Sec. 8075. *Intelligence Authorization*.—Retains and modifies a provision carried in previous years.

Sec. 8076. *New Start Authority*.—Retains a provision carried in previous years.

Sec. 8077. *Budget Justification for Contingency Operations*.—Retains and modifies a provision carried 17 previous years.

Sec. 8078. *Nuclear Armed Interceptors*.—Retains a provision carried in previous years.

Sec. 8079. *Military Readiness Transfer Authority*.—Inserts a new provision to appropriate funds for improving military readiness.

Sec. 8080. *53rd Weather Reconnaissance Squadron*.—Retains a provision carried in previous years.

Sec. 8081. *Integration of Foreign Intelligence*.—Retains a provision carried in previous years.

Sec. 8082. *Army Tactical UAVs*.—Retains a provision carried in previous years.

Sec. 8083. *DNI Availability of Funds Waiver*.—Retains and modifies a provision carried in previous years.

Sec. 8084. *Shipbuilding Obligations*.—Retains a provision carried in previous years.

Sec. 8085. *DNI Reprogramming Baseline*.—Retains and modifies a provision carried in previous years.

Sec. 8086. *Defense Acquisition Workforce Development Account*.—Retains and modifies a provision regarding reprogramming authorities.

Sec. 8087. *NIP New Starts, Transfers, and Terminations*.—Retains a provision carried in previous years.

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

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

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

Sec. 8091. *Missile Defense Restriction*.—Retains a provision carried in previous years.

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

Sec. 8093. *NIP Special Transfer Authority*.—Retains and modifies a provision carried in previous years.

Sec. 8094. *National Defense Reserve Fleet*.—Retains and modifies a provision carried in previous years.

Sec. 8095. *Public Disclosure of Grant Agreement*.—Retains a provision carried in previous years.

Sec. 8096. *Restrictions on NSA*.—Retains a provision carried in previous years.

Sec. 8097. *Transfers to Another Federal Agency*.—Retains a provision carried in previous years.

Sec. 8098. *Authority to Transfer O&M, Navy Funds to Ready Reserve Force, Maritime Administration Account*.—Retains and modifies a provision carried in previous years.

Sec. 8099. *Support to Foreign Countries*.—Retains a provision carried in previous years.

Sec. 8100. *T–AO Oiler Program*.—Retains a provision carried in previous years.

Sec. 8101. *Buy American Provision for T–ARC(X) and T–AGOS(X)*.—Retains a provision carried in previous years.

Sec. 8102. *Rapid Prototyping with DAWDA*.—Retains and modifies a provision carried in previous years.

Sec. 8103. *Vehicle Procurement*.—Retains a provision carried in previous years.

Sec. 8104. *Blocking Pornography on Computers*.—Retains a provision carried in previous years.

Sec. 8105. *Prohibition on Use of Equipment for Ceremonial Honors*.—Retains a provision carried in previous years.

Sec. 8106. *Integrity in Federal Contracting*.—Retains a provision carried in previous years.

Sec. 8107. *Software and Digital Technology Pilot*.—Retains and modifies a provision carried in previous years.

Sec. 8108. *Operations to Counter the Islamic State of Iraq and Syria*.—Inserts a new provision for supervision and administration

costs and construction associated with military and stability operations.

Sec. 8109. *U.N. Convention Against Torture*.—Retains a provision carried in previous years.

Sec. 8110. *Ukraine Security Assistance Initiative*.—Retains and modifies a provision carried in previous years.

Sec. 8111. *Burden Sharing With Kuwait*.—Retains a provision carried in previous years.

Sec. 8112. *Security Cooperation*.—Retains and modifies a provision carried in previous years.

Sec. 8113. *Border Security*.—Retains and modifies a provision carried in previous years.

Sec. 8114. *War Powers Resolution*.—Retains a provision carried in previous years.

Sec. 8115. *Child Soldiers*.—Retains a provision carried in previous years.

Sec. 8116. *Taliban*.—Retains a provision carried in previous years.

Sec. 8117. *Support to Friendly Foreign Countries*.—Retains a provision carried in previous years.

Sec. 8118. *Rosoboronexport*.—Retains a provision carried in previous years.

Sec. 8119. *Red Hill*.—Inserts a new provision regarding the Red Hill Bulk Fuel Storage Facility.

Sec. 8120. *Fuel Costs*.—Inserts a new provision to reflect higher than anticipated fuel costs.

Sec. 8121. *Revised Economic Assumptions*.—Inserts a new provision to provide additional appropriations to reflect revised economic assumptions.

Sec. 8122. *Foreign Exchange Rates*.—Inserts a new provision to reflect savings from favorable foreign currency exchange rates.

Sec. 8123. *Counterterrorism Equipment*.—Inserts a new provision to allow transfer of equipment into the Counter-ISIS Train and Equip Fund.

Sec. 8124. *Coalition Support Funds*.—Inserts a new provision to provide appropriated funds to reimburse cooperating nations for support to military and stability operations.

COMPLIANCE WITH PARAGRAPH 7, RULE XVI OF THE
STANDING RULES OF THE SENATE

Paragraph 7 of rule XVI requires that Committee reports accompanying general appropriations bills identify each recommended amendment which proposes an item of appropriation which is not made to carry out the provisions of an existing law, a treaty stipulation, or an act or resolution previously passed by the Senate during that session.

The Committee is filing an original bill, which is not covered under this rule, but reports this information in the spirit of full disclosure.

COMPLIANCE WITH PARAGRAPH 12, RULE XXVI OF THE
STANDING RULES OF THE SENATE

Paragraph 12 of rule XXVI requires that Committee reports on a bill or joint resolution repealing or amending any statute or part of any statute include “(a) the text of the statute or part thereof which is proposed to be repealed; and (b) a comparative print of that part of the bill or joint resolution making the amendment and of the statute or part thereof proposed to be amended, showing by stricken-through type and italics, parallel columns, or other appropriate typographical devices the omissions and insertions which would be made by the bill or joint resolution if enacted in the form recommended by the Committee.”

The Committee bill as recommended contains no such provisions.

DISCLOSURE OF CONGRESSIONALLY DIRECTED SPENDING
ITEMS

Pursuant to Rule XLIV of the Standing Rules of the Senate, neither the bill nor this explanatory statement contain any congressionally directed spending, limited tax benefits or limited tariff benefits.

COMPARATIVE STATEMENT OF NEW BUDGET [OBLIGATIONAL] AUTHORITY FOR FISCAL YEAR 2022 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2023

Item	2022 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2022 appropriation	Budget estimate
TITLE I					
MILITARY PERSONNEL					
Military Personnel, Army	47,814,079	50,305,255	50,090,995	+ 2,276,916	- 214,260
CR Funding Military Personnel, Army—Public Law 117-86	33,263	.....	.....	- 33,263	.....
Military Personnel, Navy	35,504,251	36,629,226	36,484,883	+ 980,632	- 144,343
CR Funding Military Personnel, Navy—Public Law 117-86	91,327	.....	.....	- 91,327	.....
Military Personnel, Marine Corps	14,572,400	15,330,068	15,226,541	+ 654,141	- 103,527
CR Funding Military Personnel, Marine Corps—Public Law 117-86	5,206	.....	.....	- 5,206	.....
Military Personnel, Air Force	35,078,206	35,140,287	34,740,869	- 337,337	- 399,418
CR Funding Military Personnel, Air Force—Public Law 117-86	27,564	.....	.....	- 27,564	.....
Military Personnel, Space Force .....	.....	1,117,361	1,119,926	+ 1,119,926	+ 2,565
Reserve Personnel, Army	5,156,976	5,384,686	5,221,698	+ 64,722	- 162,988
Reserve Personnel, Navy	2,297,029	2,410,777	2,382,618	+ 85,589	- 28,159
Reserve Personnel, Marine Corps	802,619	849,942	860,240	+ 57,621	+ 10,298
Reserve Personnel, Air Force	2,371,001	2,519,878	2,506,922	+ 135,921	- 12,956
National Guard Personnel, Army	9,017,728	9,324,813	9,375,029	+ 357,301	+ 50,216
National Guard Personnel, Air Force	4,764,443	5,127,335	5,020,248	+ 255,805	- 107,087
Total, title I, Military Personnel	157,536,092	164,139,628	163,029,969	+ 5,493,877	- 1,109,659
TITLE II					
OPERATION AND MAINTENANCE					
Operation and Maintenance, Army	55,016,103	58,119,056	58,928,928	+ 3,912,425	+ 809,472
CR Funding Operation and Maintenance, Army—Public Law 117-86	22,640	.....	.....	- 22,640	.....
Operation and Maintenance, Navy	62,480,035	66,158,951	67,380,932	+ 4,900,897	+ 1,221,981
Total, including Tricare	168,873,267	173,882,628	172,772,969	+ 5,899,702	- 1,109,659
Total, Tricare Accrual payments (permanent, indefinite authority)	9,337,175	9,743,000	9,743,000	+ 405,825	.....

COMPARATIVE STATEMENT OF NEW BUDGET [OBLIGATIONAL] AUTHORITY FOR FISCAL YEAR 2022 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2023—Continued

Item	2022 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2022 appropriation	Budget estimate
Aircraft Procurement, Air Force	18,383,946	18,517,428	20,704,120	+ 2,320,174	+ 2,186,692
Missile Procurement, Air Force	2,475,206	2,962,417	3,207,815	+ 732,609	+ 245,398
Procurement of Ammunition, Air Force	665,977	903,630	870,822	+ 204,845	- 32,808
Other Procurement, Air Force	26,615,079	25,848,831	26,063,918	- 551,161	+ 215,087
Procurement, Space Force	3,023,408	3,629,669	4,050,914	+ 1,027,506	+ 421,245
Procurement, Defense-Wide	6,177,561	5,245,500	5,740,190	- 437,371	+ 494,690
Defense Production Act Purchases	388,327	659,906	359,906	- 28,421	- 300,000
National Guard and Reserve Equipment	950,000	.....	1,500,000	+ 550,000	+ 1,500,000
Total, title III, Procurement	144,942,486	145,036,829	156,736,924	+ 11,794,438	+ 11,700,095
TITLE IV					
RESEARCH, DEVELOPMENT, TEST AND EVALUATION					
Research, Development, Test and Evaluation, Army	14,539,417	13,710,273	15,496,166	+ 956,749	+ 1,785,893
Research, Development, Test and Evaluation, Navy	22,139,080	24,082,618	24,445,418	+ 2,306,338	+ 362,800
Research, Development, Test and Evaluation, Air Force	41,592,913	43,889,183	43,717,011	+ 2,124,098	- 172,172
Research, Development, Test and Evaluation, Space Force	11,597,405	15,819,372	16,528,488	+ 4,931,083	+ 709,116
Research, Development, Test and Evaluation, Defense-Wide	29,065,786	32,080,052	33,836,217	+ 4,770,431	+ 1,756,165
Operational Test and Evaluation, Defense	276,591	277,194	602,194	+ 325,603	+ 325,000
Total, title IV, Research, Development, Test and Evaluation	119,211,192	129,858,692	134,625,494	+ 15,414,302	+ 4,766,802
TITLE V					
REVOLVING AND MANAGEMENT FUNDS					
Defense Working Capital Funds	2,017,000	1,329,895	1,445,095	- 571,905	+ 115,200
National Defense Stockpile Transaction Fund .....	.....	253,500	.....	.....	- 253,500

Total, title V, Revolving and Management Funds	2,017,000	1,583,395	1,445,095	-571,905	-138,300
TITLE VI					
OTHER DEPARTMENT OF DEFENSE PROGRAMS					
Defense Health Program:					
Operation and maintenance	33,957,986	35,314,750	35,046,200	+1,088,214	-268,550
Procurement	758,708	570,074	570,074	-188,634	.....
Research, development, test and evaluation	2,633,488	1,047,350	2,001,650	-631,838	+954,300
Total, Defense Health Program	37,350,182	36,932,174	37,617,924	+267,742	+685,750
Chemical Agents and Munitions Destruction, Defense:					
Operation and maintenance	93,121	84,612	84,612	-8,509	.....
Research, development, test and evaluation	1,001,231	975,206	975,206	-26,025	.....
Total, Chemical Agents	1,094,352	1,059,818	1,059,818	-34,534	.....
Drug Interdiction and Counter-Drug Activities, Defense	925,649	855,728	977,408	+51,759	+121,680
Office of the Inspector General	438,363	479,359	499,359	+60,996	+20,000
Support for International Sporting Competitions .....	.....	10,377	10,377	+10,377	.....
Total, title VI, Other Department of Defense Programs	39,808,546	39,337,456	40,164,886	+356,340	+827,430
TITLE VII					
RELATED AGENCIES					
Central Intelligence Agency Retirement and Disability System Fund	514,000	514,000	514,000	.....	.....
Intelligence Community Management Account (ICMA)	587,100	635,000	581,210	-5,890	-53,790
Total, title VII, Related agencies	1,101,100	1,149,000	1,095,210	-5,890	-53,790
TITLE VIII					
GENERAL PROVISIONS					
Additional transfer authority (Sec. 8005)	(6,000,000)	(8,000,000)	(6,000,000)	.....	(-2,000,000)
FFRDC (Sec. 8026)	-63,840	.....	-192,150	-128,310	-192,150

COMPARATIVE STATEMENT OF NEW BUDGET [OBLIGATIONAL] AUTHORITY FOR FISCAL YEAR 2022 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2023—Continued

Item	2022 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2022 appropriation	Budget estimate
National Defense Stockpile Transaction Fund (Sec. 8034)	125,000	.....	93,500	- 31,500	+ 93,500
Improving Tactical Artificial Intelligence at the Combatant Commands (Sec. 8044)	200,000	.....	200,000	.....	+ 200,000
Commercial Innovation (Sec. 8045)	.....	.....	100,000	+ 100,000	+ 100,000
Rescissions (Sec. 8047)	- 3,305,725	.....	- 832,371	+ 2,473,354	- 832,371
National grants (Sec. 8052)	49,000	.....	24,000	- 25,000	+ 24,000
O&M, Defense-wide transfer authority (Sec. 8055)	(30,000)	(30,000)	500,000	+ 500,000	+ 500,000
USSOUTHCOM and USSAFRICOM Allies and Partnership (Sec. 8068)	.....	.....	(11,000)	.....	.....
Fisher House O&M Army Navy Air Force transfer authority (Sec. 8069)	(11,000)	(11,000)	(1,000)	.....	.....
John C. Stennis Center for Public Service Development (Sec. 8070)	(1,000)	(1,000)	3,000,000	+ 3,000,000	+ 3,000,000
Readiness (Sec. 8079)	.....	.....	(168,000)	.....	.....
Defense Health O&M transfer authority (Sec. 8090)	(137,000)	(168,000)	1,000,000	+ 1,000,000	+ 1,000,000
Red Hill Recovery Fund (Sec. 8119)	.....	.....	5,000,000	+ 5,000,000	+ 5,000,000
Fuel (Sec. 8120)	.....	.....	1,500,000	+ 1,500,000	+ 1,500,000
Revised economic assumptions due to inflation (Sec. 8121)	.....	.....	- 375,000	- 375,000	- 375,000
Foreign Currency Fluctuation (Sec. 8122)	.....	.....	.....	.....	.....
Space Force field operating agencies	.....	.....	.....	.....	.....
Indian Financing Act incentives	.....	.....	.....	.....	.....
Fisher House Foundation	25,000	25,000	.....	- 25,000	- 25,000
Artificial Intelligence Workforce	5,000	.....	.....	- 5,000	- 5,000
Public Schools on Military Installations	516,233	.....	.....	- 516,233	- 516,233
Iron Dome	1,000,000	.....	.....	- 1,000,000	- 1,000,000
Red Hill	100,000	.....	.....	- 100,000	- 100,000
Paycheck timing shift	.....	.....	.....	.....	.....
Total, title VIII, General Provisions	- 1,299,332	25,000	10,017,979	+ 11,317,311	+ 9,992,979

TITLE IX OTHER APPROPRIATIONS					
EXTENDING GOVERNMENT FUNDING AND DELIVERING EMERGENCY ASSISTANCE ACT, 2021 (Public Law 117-43)					
DIVISION B—DISASTER RELIEF SUPPLEMENTAL APPROPRIATIONS ACT, 2022					
Operation and Maintenance					
Operation and Maintenance, Navy (emergency)	565,000				— 565,000
Operation and Maintenance, Air Force (emergency)	330,000				— 330,000
Total, Division B	895,000				— 895,000
DIVISION C—AFGHANISTAN SUPPLEMENTAL APPROPRIATIONS ACT, 2022					
Operation and Maintenance					
Overseas Humanitarian, Disaster, and Civic Aid (emergency)	2,200,000				— 2,200,000
General Provisions—This Title					
Termination costs (Sec. 2204) (emergency)	2,200,000				— 2,200,000
Total, Division C	3,095,000				— 3,095,000
Total, Extending Government Funding and Delivering Emergency Assistance Act, 2021					
FURTHER EXTENDING GOVERNMENT FUNDING ACT (Public Law 117-70)					
DIVISION B—ADDITIONAL AFGHANISTAN SUPPLEMENTAL APPROPRIATIONS ACT, 2022					
Military Personnel					
Military Personnel, Army (emergency)	128,000				— 128,000
Military Personnel, Navy (emergency)	7,000				— 7,000
Military Personnel, Marine Corps (emergency)	32,000				— 32,000
Military Personnel, Air Force (emergency)	145,000				— 145,000
Total, Military Personnel	312,000				— 312,000
Operation and Maintenance					
Overseas Humanitarian, Disaster, and Civic Aid (emergency)	4,000,000				— 4,000,000

COMPARATIVE STATEMENT OF NEW BUDGET [OBLIGATIONAL] AUTHORITY FOR FISCAL YEAR 2022 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2023—Continued

Item	2022 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2022 appropriation	Budget estimate
Total, FURTHER EXTENDING GOVERNMENT FUNDING ACT	4,312,000				-4,312,000
UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2022 (Public Law 117-103)					
DIVISION N					
Military Personnel					
Military Personnel, Army (emergency)	130,377				-130,377
Military Personnel, Navy (emergency)	11,645				-11,645
Military Personnel, Marine Corps (emergency)	3,079				-3,079
Military Personnel, Air Force (emergency)	50,396				-50,396
Total	195,497				-195,497
Operation and Maintenance					
Operation and Maintenance, Army (emergency)	1,113,234				-1,113,234
Operation and Maintenance, Navy (emergency)	202,797				-202,797
Operation and Maintenance, Marine Corps (emergency)	21,440				-21,440
Operation and Maintenance, Air Force (emergency)	415,442				-415,442
Operation and Maintenance, Space Force (emergency)	800				-800
Operation and Maintenance, Defense-Wide (emergency)	311,583				-311,583
Total	2,065,296				-2,065,296
Procurement					
Other Procurement, Air Force (emergency)	213,693				-213,693

Procurement, Defense-Wide (emergency)	14,259				- 14,259
Total	227,952				- 227,952
Research, Development, Test and Evaluation					
Research, Development, Test and Evaluation, Navy (emergency)	31,100				- 31,100
Research, Development, Test and Evaluation, Air Force (emergency)	47,500				- 47,500
Research, Development, Test and Evaluation, Defense-Wide (emergency)	51,745				- 51,745
Total	130,345				- 130,345
Revolving and Management Funds					
Defense Working Capital Funds (emergency)	409,000				- 409,000
General Provisions					
Operation and Maintenance, Defense-Wide (Sec. 2301) (emergency)	3,500,000				- 3,500,000
Total	6,528,090				- 6,528,090
ADDITIONAL UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2022 (Public Law 117-128)					
Military Personnel					
Military Personnel, Army (emergency)	12,750				- 12,750
Military Personnel, Navy (emergency)	38				- 38
Military Personnel, Marine Corps (emergency)	675				- 675
Military Personnel, Air Force (emergency)	1,590				- 1,590
Total	15,053				- 15,053
Operation and Maintenance					
Operation and Maintenance, Army (emergency)	1,493,532				- 1,493,532
Operation and Maintenance, Navy (emergency)	939,779				- 939,779
Operation and Maintenance, Air Force(emergency)	195,262				- 195,262
Operation and Maintenance, Space Force (emergency)	800				- 800
Operation and Maintenance, Defense-Wide (emergency)	15,256,824				- 15,256,824

COMPARATIVE STATEMENT OF NEW BUDGET [OBLIGATIONAL] AUTHORITY FOR FISCAL YEAR 2022 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2023—Continued

Item	2022 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or -)	
				2022 appropriation	Budget estimate
Total	17,886,197	.....	.....	-17,886,197	.....
Procurement					
Missile Procurement, Army (emergency)	350,970	.....	.....	-350,970	.....
Procurement of Weapons and Tracked Combat Vehicles, Army (emergency)	255	.....	.....	-255	.....
Procurement of Ammunition, Army (emergency)	45	.....	.....	-45	.....
Other Procurement, Army (emergency)	113,440	.....	.....	-113,440	.....
Other Procurement, Navy (emergency)	1,250	.....	.....	-1,250	.....
Aircraft Procurement, Air Force (emergency)	28,500	.....	.....	-28,500	.....
Other Procurement, Air Force (emergency)	155,382	.....	.....	-155,382	.....
Procurement, Defense-Wide (emergency)	24,218	.....	.....	-24,218	.....
Defense Production Act Purchases (emergency)	600,000	.....	.....	-600,000	.....
Total	1,274,060	.....	.....	-1,274,060	.....
Research, Development, Test and Evaluation					
Research, Development, Test and Evaluation, Army (emergency)	128,700	.....	.....	-128,700	.....
Research, Development, Test and Evaluation, Navy (emergency)	43,000	.....	.....	-43,000	.....
Research, Development, Test and Evaluation, Air Force (emergency)	119,815	.....	.....	-119,815	.....
Research, Development, Test and Evaluation, Defense-Wide (emergency)	72,103	.....	.....	-72,103	.....
Total	363,618	.....	.....	-363,618	.....
Revolving and Management Funds					
Defense Working Capital Funds (emergency)	965	.....	.....	-965	.....
Other Department of Defense Programs					
Defense Health Program (emergency)	13,900	.....	.....	-13,900	.....

	General Provisions—This Title				
Critical Munitions(Sec. 201) (emergency)	500,000	.....	.....	.....	.....
Program protection strategies (Sec. 202) (emergency)	50,000	.....	.....	.....	.....
Total, General Provisions	550,000	.....	.....	.....	.....
Total, Additional Ukraine Supplemental Appropriations Act, 2022	20,103,793	.....	.....	.....	.....
Total, Other Appropriations	34,038,883	.....	.....	.....	.....
Grand total	762,981,882	762,162,500	792,529,000	+29,547,118	+30,366,500
Appropriations	(732,248,724)	(762,162,500)	(793,361,371)	(+61,112,647)	(+31,198,871)
Emergency appropriations	(34,038,883)	.....	.....	(-34,038,883)	.....
Rescissions	(-3,305,725)	.....	.....	(+2,473,354)	(-832,371)
(Transfer Authority)	(6,179,000)	(8,210,000)	(6,210,000)	(+31,000)	(-2,000,000)