

XEROX

**DIVISION C - DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023**

The following is an explanation of the effects of this Act, which makes appropriations for the Department of Defense for fiscal year 2023. The joint explanatory statement accompanying this division is approved and indicates congressional intent. Unless otherwise noted, the language set forth in House Report 117-388 carries the same weight as language included in this joint explanatory statement and should be complied with unless specifically addressed to the contrary in this joint explanatory statement. While some language is repeated for emphasis, it is not intended to negate the language referred to above unless expressly provided herein.

DEFINITION OF PROGRAM, PROJECT, AND ACTIVITY

For the purposes of the Balanced Budget and Emergency Deficit Control Act of 1985 (Public Law 99-177), as amended by the Balanced Budget and Emergency Deficit Control Reaffirmation Act of 1987 (Public Law 100-119), and by the Budget Enforcement Act of 1990 (Public Law 101-508), the terms “program, project, and activity” for appropriations contained in this Act shall be defined as the most specific level of budget items identified in the Department of Defense Appropriations Act, 2023, the related classified annexes and Committee reports, and the P-1 and R-1 budget justification documents as subsequently modified by congressional action.

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

At the time the President submits the Budget 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.

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

#### CONGRESSIONAL SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or items for which funding is specifically reduced as shown in the project level tables or in paragraphs using the phrase “only for” or “only to” in this report are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount, as specifically addressed in the Committee report.

#### REVISED ECONOMIC ASSUMPTIONS

The agreement provides additional funding to offset cost factors that have increased since the formulation of the fiscal year 2023 President's budget request. This includes \$1,752,375,000 for higher than planned housing, subsistence and other expenses for military personnel; \$841,892,000 for higher costs for utilities and daycare; over \$1,000,000,000 for acquisition programs; \$209,615,000 to offset price increases for patrons at the commissaries; \$400,000,000 for higher costs for the Defense Health Program; as well as \$3,734,000,000 for higher fuel costs. It is directed that the additional funding shall be applied to incremental costs due to increased inflation or other pricing indexes and shall not be used to address program baseline shortfalls or to fund other unforeseen requirements. The Under Secretary of Defense (Comptroller) is directed to continue working with the congressional defense committees to refine pricing shortfall estimates caused by revised economic assumptions through the second quarter of fiscal year 2023. Further, it is directed 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.

#### CLASSIFIED ANNEX

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

#### FUNDING INCREASES

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

#### COMPETITION FOR CONGRESSIONAL INCREASES

Funding increases outlined in the tables for each appropriation account shall be provided only for the specific purposes indicated in the tables titled Explanation of Project Level Adjustments. Except for projects contained in the table titled Community Project Funding, funding increases shall be competitively awarded, or provided to programs that have received competitive awards in the past.

#### COMMUNITY PROJECT FUNDING

The agreement directs the Secretary of Defense to ensure that all Community Project Funding is awarded to its intended recipients.

#### 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. The agreement includes additional appropriations in fiscal year 2023 to address these shortfalls, as identified in the tables of Explanation of Project Level Adjustments in this explanatory statement. As previously stated, there are concerns about instances where appropriations for unfunded requirements remained unobligated until proposed for realignment. While it is understandable 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, direction included in the Joint Explanatory Statement accompanying the Department of Defense Appropriations Act, 2022, is reiterated, and it is directed that any submission of unfunded requirements by the military services, defense agencies, and combatant commands with the fiscal year 2024 President's budget be accompanied by updated requirements and programmatic and execution plans for unfunded requirements that received appropriations in fiscal year 2023. Further, the Assistant Secretaries (Financial Management and Comptroller) for the Air Force, Navy, and Army are directed to incorporate in the congressional budget brief templates distinct programmatic and execution data for appropriations provided in the previous three fiscal years for unfunded requirements pertaining to the program/effort.

#### 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). It is understood 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 common sense security practices are supported, there is concern that the extensive use

of CUI will result in less transparency, accountability, and congressional oversight. Therefore, the Deputy Secretary of Defense is directed to review the current usage of CUI to ensure its appropriate application, and to brief the congressional defense committees not later than 30 days after the enactment of this Act on the findings of this review. As appropriate, the briefing may be provided in an unclassified format with a classified annex.

#### NAVY AND MARINE CORPS AVIATION MISHAPS

The number of 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, is concerning. The Chief of Naval Operations and the Commandant of the Marine Corps are directed to brief the findings of the accident review boards on the various mishaps to the House and Senate Appropriations Committees not later than 180 days after the enactment of this Act. The agreement encourages Service leadership to focus on finding common causes that apply to both the Navy and Marine Corps aviation units and their missions.

#### REFORMS, RE-PRIORITIZATIONS, AND RETIREMENTS EXHIBIT

The Under Secretary of Defense (Comptroller) is directed to continue to refine the “Reforms, Re-prioritizations, and Retirements” budget exhibit, to include budget line item details, and to submit the Defense Operation and Maintenance overview book at the same time as the detailed justification books.

#### HOMELAND DEFENSE RADAR - HAWAII

The agreement directs the Director of the Missile Defense Agency, in consultation with the Commander of United States Indo-Pacific Command, to provide quarterly updates to the congressional defense committees on the status of the Homeland Defense Radar – Hawaii production and location siting, as well as current and evolving threats in the region. These updates shall be provided at the unclassified and classified level as required.

#### DEFENSE OF GUAM

The Director, Missile Defense Agency, in coordination with the Secretaries of the Army, Navy, and Air Force, is directed to provide a quarterly update to the congressional defense committees on the mission to support the Defense of Guam. The update shall include: the status of environmental impact statements and site surveys required to support placement of weapons systems supporting the Defense of Guam, the upgrades to Guam's infrastructure required to support the mission, acquisition schedules of anticipated weapons systems and corresponding deployment schedules of such systems, manning requirements for the Defense of Guam mission, and obligation and expenditure data on all funding related to the Defense of Guam. These updates shall be provided at an unclassified and classified level as required.

#### COMPLETE AND TIMELY FINANCIAL REPORTING

The agreement directs the Undersecretary of Defense (Comptroller) to provide 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 one year.

#### JOINT STRIKE FIGHTER

In July 2022, the Department of Defense announced a contract for F-35 Joint Strike Fighters (JSF) covering production lots 15 through 17, corresponding to fiscal years 2021 through 2023. This contract encompasses 230 United States aircraft previously appropriated by Congress or requested in the fiscal year 2023 President's budget request. Due to multiple factors, the cost of this contract exceeds available and requested funds by \$1,825,600,000 once all relevant factors are considered, putting 19 aircraft at risk of being lost. Through a combination of congressional increases and excess funds transferred from elsewhere within the JSF program, the agreement provides resources to cover this shortfall, allowing for the restoration of all 19 at-risk aircraft, including 11 F-35A, one F-35B, and seven F-35C aircraft in fiscal year 2023 and prior years. The Program Executive Officer (PEO), F-35 Joint Program Office (JPO) is directed to report to the congressional defense committees, not later than 90 days after the enactment of this Act, on how these additional funds will be applied to the lot 15-17 contract.

In addition, it is noted 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. The agreement therefore directs the PEO, F-35 JPO to submit a report to the congressional defense committees providing an updated assessment of the Block 4 and TR-3 development programs, to include an assessment of the critical paths to lot 15 integration and retrofit installation, not later than 30 days after the enactment of this Act and written notification following each subsequent breach in timeline for those activities identified along the critical path.

#### BUDGET JUSTIFICATION DOCUMENTATION OF OVERSEAS OPERATIONS FUNDING

Section 8077 of H.R. 8236 directed specific details be included in separate budget justification documents for cost of the United States Armed Forces' participation in contingency operations for the Military Personnel accounts; the Operation and Maintenance accounts; the Procurement accounts; and the Research, Development, Test, and Evaluation accounts. The agreement does not include this provision. It is acknowledged that creating base budget justification books and a separate Overseas Operations Appendix is not only an administrative burden, but may confuse the process, with some stakeholders not being aware that the Appendix is a subset of the baseline submission.

In lieu of a general provision prescribing the formulation of the budget justification documents, the agreement directs the Under Secretary of Defense (Comptroller) and the Assistant Secretaries of the Army, Navy, and Air Force (Financial Management and Comptroller) to work together with the House and Senate Appropriations Committees to develop clear guidance on how to account for both baseline and contingency operations funding in the budget request exhibits for all appropriations. Comptrollers are further directed to begin discussions not later than 45 days after the enactment of this Act and for the updated exhibits to be included in the justification materials with the fiscal year 2025 President's budget request.

**TITLE I - MILITARY PERSONNEL**

The agreement provides \$172,708,964,000 in Title I, Military Personnel.

~~(INSERT MILPERS RECAP TABLE)~~

o Insert 8A

(DOLLARS IN THOUSANDS)

|  | BUDGET<br>REQUEST | FINAL<br>BILL |
|--|-------------------|---------------|
| -----  |                   |               |
| RECAPITULATION   |                   |               |
| MILITARY PERSONNEL, ARMY.....  | 50,305,255        | 49,628,305    |
| MILITARY PERSONNEL, NAVY.....  | 36,629,226        | 36,706,395    |
| MILITARY PERSONNEL, MARINE CORPS.....  | 15,330,068        | 15,050,088    |
| MILITARY PERSONNEL, AIR FORCE.....   | 35,140,287        | 35,427,788    |
| MILITARY PERSONNEL, SPACE FORCE.....   | 1,117,361         | 1,109,400     |
| RESERVE PERSONNEL, ARMY.....   | 5,384,686         | 5,212,834     |
| RESERVE PERSONNEL, NAVY.....   | 2,410,777         | 2,400,831     |
| RESERVE PERSONNEL, MARINE CORPS.....   | 849,942           | 826,712       |
| RESERVE PERSONNEL, AIR FORCE.....  | 2,519,878         | 2,457,519     |
| NATIONAL GUARD PERSONNEL, ARMY.....  | 9,324,813         | 9,232,554     |
| NATIONAL GUARD PERSONNEL, AIR FORCE.....   | 5,127,335         | 4,913,538     |
|  | =====             | =====         |
| GRAND TOTAL, TITLE I, MILITARY PERSONNEL.....  | 164,139,628       | 162,965,964   |
| GRAND TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT,<br>INDEFINITE AUTHORITY) (PUBLIC LAW 108-375)..... | 9,743,000         | 9,743,000     |
|  | =====             | =====         |
| GRAND TOTAL, MILITARY PERSONNEL.....   | 173,882,628       | 172,708,964   |
|  | =====             | =====         |

8A

**SUMMARY OF MILITARY PERSONNEL END STRENGTH**

|  | Fiscal year<br>2022<br>authorized | Fiscal year 2023  |                  |                        | Change from<br>fiscal year<br>2022 |
|--|-----------------------------------|-------------------|------------------|------------------------|------------------------------------|
|  |                                   | Budget<br>Request | Final Bill       | Change from<br>request |                                    |
| <b>Active Forces (End Strength)</b>            |                                   |                   |                  |                        |                                    |
| Army.....                                      | 485,000                           | 473,000           | 452,000          | -21,000                | -33,000                            |
| Navy.....                                      | 346,920                           | 346,300           | 354,000          | 7,700                  | 7,080                              |
| Marine Corps.....                              | 178,500                           | 177,000           | 177,000          | 0                      | -1,500                             |
| Air Force.....                                 | 329,220                           | 323,400           | 325,344          | 1,944                  | -3,876                             |
| Space Force.....                               | 8,400                             | 8,600             | 8,600            | 0                      | 200                                |
| <b>Total, Active Forces.....</b>               | <b>1,348,040</b>                  | <b>1,328,300</b>  | <b>1,316,944</b> | <b>-11,356</b>         | <b>-31,096</b>                     |
| <b>Guard and Reserve Forces (End Strength)</b> |                                   |                   |                  |                        |                                    |
| Army Reserve.....                              | 189,500                           | 189,500           | 177,000          | -12,500                | -12,500                            |
| Navy Reserve.....                              | 58,600                            | 57,700            | 57,000           | -700                   | -1,600                             |
| Marine Corps Reserve.....                      | 36,800                            | 33,000            | 33,000           | 0                      | -3,800                             |
| Air Force Reserve.....                         | 70,300                            | 70,000            | 70,000           | 0                      | -300                               |
| Army National Guard.....                       | 336,000                           | 336,000           | 325,000          | -11,000                | -11,000                            |
| Air National Guard.....                        | 108,300                           | 108,400           | 108,400          | 0                      | 100                                |
| <b>Total, Selected Reserve.....</b>            | <b>799,500</b>                    | <b>794,600</b>    | <b>770,400</b>   | <b>-24,200</b>         | <b>-29,100</b>                     |
| <b>Total, Military Personnel.....</b>          | <b>2,147,540</b>                  | <b>2,122,900</b>  | <b>2,087,344</b> | <b>-35,556</b>         | <b>-60,196</b>                     |

MILITARY PERSONNEL OVERVIEW

The agreement provides the resources required for 1,316,944 active forces and 770,400 selected reserve forces in order to meet operational needs for fiscal year 2023. The agreement also provides the funding necessary to support a 4.6 percent pay raise for all military personnel, effective January 1, 2023.

REPROGRAMMING GUIDANCE FOR MILITARY PERSONNEL ACCOUNTS

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

The Secretary of Defense is directed to use the normal prior approval reprogramming procedures to transfer funds in the Services' military personnel accounts between budget activities in excess of \$10,000,000.

#### MILITARY PERSONNEL SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or have been specifically reduced as shown in the project level tables or in paragraphs using the phrase "only for" or "only to" in the joint 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, dislocation allowance, basic needs allowance and temporary lodging expense. Each of these items must be carried on the DD Form 1414 at the stated amount as specifically addressed in the joint 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.

#### STRENGTH REPORTING

The Service Secretaries are directed to provide monthly strength reports for all components to the congressional defense committees beginning not later than 30 days after the 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 shall also include the actuals and projections compared to the fiscal year 2023 President's budget request.

#### RESERVE COMPONENT BUDGET REPORTING

The Secretary of Defense is directed to provide a semi-annual detailed report to the congressional defense committees which shows transfers between sub-activities within the military

personnel appropriation. Reports shall be submitted not later than 30 days after the end of the second quarter and not later than 30 days after the end of the fiscal year.

#### ADVANCED TRAUMA AND PUBLIC HEALTH DIRECT TRAINING SERVICES FOR THE NATIONAL GUARD

The Chiefs of the National Guard are directed 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. Further, the Chiefs of the National Guard are directed to develop 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.

#### EXTREMISM IN THE MILITARY

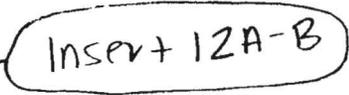
In lieu of House language on extremism in the military, the agreement directs the Secretary of Defense, not later than 120 days after the enactment of this Act, to provide the congressional defense committees with an update to the report on military personnel and extremist or criminal groups. The report 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 Secretary of the Air Force is directed 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, 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

The agreement provides \$49,628,305,000 for Military Personnel, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~  INSERT 12A-B

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

| M-1   | Budget Request | Final Bill |
|---|----------------|------------|
| 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    |
| 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  |
| 110 ACADEMY CADETS                            | 101,808        | 101,808    |
| 115 BASIC ALLOWANCE FOR SUBSISTENCE           | 1,408,398      | 1,408,398  |
| 120 SUBSISTENCE-IN-KIND                       | 756,055        | 756,055    |
| 125 ACCESSION TRAVEL                          | 138,210        | 138,210    |
| 130 TRAINING TRAVEL                           | 172,155        | 172,155    |
| 135 OPERATIONAL TRAVEL                        | 476,368        | 476,368    |

12A

| M-1   | Budget Request    | Final Bill        |
|---|-------------------|-------------------|
| 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            |
| 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           |
| 218 JUNIOR ROTC                                       | 24,660            | 24,660            |
| 219 TRAUMATIC INJURY PROTECTION COVERAGE (T-SGLI)     | 500               | 500               |
| LESS REIMBURSABLES                                    | -342,276          | -342,276          |
| UNDISTRIBUTED ADJUSTMENT                              | 0                 | -676,950          |
| Underexecution of strength                            |                   | -1,176,000        |
| Program increase - basic allowance for subsistence    |                   | 101,900           |
| Program increase - basic allowance for housing        |                   | 307,000           |
| Program increase - dislocation allowance              |                   | 8,000             |
| Program increase - basic needs allowance              |                   | 5,450             |
| Program increase - temporary lodging expense coverage |                   | 76,700            |
| <b>TOTAL, TITLE I, MILITARY PERSONNEL, ARMY</b>       | <b>50,305,255</b> | <b>49,628,305</b> |
| 300 HEALTH CARE CONTRIBUTION - OFFICERS               | 535,933           | 535,933           |
| 300 HEALTH CARE CONTRIBUTION - ENLISTED               | 2,158,238         | 2,158,238         |
| <b>TOTAL, MILITARY PERSONNEL, ARMY</b>                | <b>52,999,426</b> | <b>52,322,476</b> |

(12B)

MILITARY PERSONNEL, NAVY

The agreement provides \$36,706.395.000 for Military Personnel, Navy, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert + 13A-B

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

| M-1   | Budget Request | Final Bill |
|---|----------------|------------|
| 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    |
| 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    |
| 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    |
| 110 MIDSHIPMEN                                | 102,772        | 102,772    |
| 115 BASIC ALLOWANCE FOR SUBSISTENCE           | 979,326        | 979,326    |
| 120 SUBSISTENCE-IN-KIND                       | 464,095        | 464,095    |
| 121 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE | 5              | 5          |
| 125 ACCESSION TRAVEL                          | 96,540         | 96,540     |
| 130 TRAINING TRAVEL                           | 105,554        | 105,554    |

(13A)

| M-1   | Budget Request    | Final Bill        |
|---|-------------------|-------------------|
| 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            |
| 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            |
| LESS REIMBURSABLES                                    | -455,964          | -455,964          |
| UNDISTRIBUTED ADJUSTMENT                              | 0                 | 77,169            |
| Underexecution of strength                            |                   | -421,351          |
| Program increase - basic allowance for subsistence    |                   | 68,200            |
| Program increase - basic allowance for housing        |                   | 404,000           |
| Program increase - dislocation allowance              |                   | 4,300             |
| Program increase - basic needs allowance              |                   | 2,220             |
| Program increase - temporary lodging expense coverage |                   | 19,800            |
| <b>TOTAL, TITLE I, MILITARY PERSONNEL, NAVY</b>       | <b>36,629,226</b> | <b>36,706,395</b> |
| 300 HEALTH CARE CONTRIBUTION - OFFICERS               | 328,907           | 328,907           |
| 300 HEALTH CARE CONTRIBUTION - ENLISTED               | 1,657,214         | 1,657,214         |
| <b>TOTAL, MILITARY PERSONNEL, NAVY</b>                | <b>38,615,347</b> | <b>38,692,516</b> |

13B

MILITARY PERSONNEL, MARINE CORPS

The agreement provides \$15,050,088,000 for Military Personnel, Marine Corps, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 14A-B

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

| M-1   | Budget Request | Final Bill |
|---|----------------|------------|
| 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    |
| 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    |
| 115 BASIC ALLOWANCE FOR SUBSISTENCE           | 453,167        | 453,167    |
| 120 SUBSISTENCE-IN-KIND                       | 344,323        | 344,323    |
| 121 FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE | 10             | 10         |
| 125 ACCESSION TRAVEL                          | 49,648         | 49,648     |
| 130 TRAINING TRAVEL                           | 18,820         | 18,820     |
| 135 OPERATIONAL TRAVEL                        | 161,027        | 161,027    |

14A

| M-1   | Budget Request    | Final Bill        |
|---|-------------------|-------------------|
| 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             |
| 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             |
| LESS REIMBURSABLES                                      | -30,023           | -30,023           |
| UNDISTRIBUTED ADJUSTMENT                                | 0                 | -279,980          |
| Underexecution of strength                              |                   | -435,600          |
| Program increase - basic allowance for subsistence      |                   | 30,900            |
| Program increase - basic allowance for housing          |                   | 115,600           |
| Program increase - dislocation allowance                |                   | 2,200             |
| Program increase - basic needs allowance                |                   | 1,020             |
| Program increase - temporary lodging expense coverage   |                   | 5,900             |
| <b>TOTAL, TITLE I, MILITARY PERSONNEL, MARINE CORPS</b> | <b>15,330,068</b> | <b>15,050,088</b> |
| 300 HEALTH CARE CONTRIBUTION - OFFICERS                 | 126,511           | 126,511           |
| 300 HEALTH CARE CONTRIBUTION - ENLISTED                 | 900,862           | 900,862           |
| <b>TOTAL, MILITARY PERSONNEL, MARINE CORPS</b>          | <b>16,357,441</b> | <b>16,077,461</b> |

14B

MILITARY PERSONNEL. AIR FORCE

The agreement provides \$35,427,788,000 for Military Personnel, Air Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 15A-B

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

| M-1   | Budget Request | Final Bill |
|---|----------------|------------|
| 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    |
| 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    |
| 110 ACADEMY CADETS                            | 90,350         | 90,350     |
| 115 BASIC ALLOWANCE FOR SUBSISTENCE           | 1,199,558      | 1,199,558  |
| 120 SUBSISTENCE-IN-KIND                       | 296,024        | 296,024    |
| 125 ACCESSION TRAVEL                          | 92,491         | 92,491     |
| 130 TRAINING TRAVEL                           | 59,414         | 59,414     |
| 135 OPERATIONAL TRAVEL                        | 298,434        | 298,434    |

15A

| M-1   | Budget Request    | Final Bill        |
|---|-------------------|-------------------|
| 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            |
| 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            |
| 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            |
| Program increase - Implementation of P.L. 116-283, Sec. 519 |                   | 5,000             |
| 218 JUNIOR ROTC   | 19,812            | 19,812            |
| LESS REIMBURSABLES  | -480,775          | -480,775          |
| UNDISTRIBUTED ADJUSTMENT                                    | 0                 | 282,501           |
| Underexecution of strength                                  |                   | -67,149           |
| Program increase - basic allowance for subsistence          |                   | 76,700            |
| Program increase - basic allowance for housing              |                   | 227,500           |
| Program increase - dislocation allowance                    |                   | 5,000             |
| Program increase - basic needs allowance                    |                   | 2,050             |
| Program increase - temporary lodging expense coverage       |                   | 38,400            |
| <b>TOTAL, TITLE I, MILITARY PERSONNEL, AIR FORCE</b>        | <b>35,140,287</b> | <b>35,427,788</b> |
| 300 HEALTH CARE CONTRIBUTION - OFFICERS                     | 353,964           | 353,964           |
| 300 HEALTH CARE CONTRIBUTION - ENLISTED                     | 1,501,369         | 1,501,369         |
| <b>TOTAL, MILITARY PERSONNEL, AIR FORCE</b>                 | <b>36,995,620</b> | <b>37,283,121</b> |

15B

MILITARY PERSONNEL, SPACE FORCE

The agreement provides \$1,109,400,000 for Military Personnel, Space Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 16A-B

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

| M-1   | Budget Request | Final Bill |
|---|----------------|------------|
| 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     |
| 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     |
| 115 BASIC ALLOWANCE FOR SUBSISTENCE           | 20,539         | 20,539     |
| 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      |
| 150 TRAVEL OF ORGANIZED UNITS                 | 89             | 89         |
| 155 NON-TEMPORARY STORAGE                     | 1,015          | 1,015      |

16A

| <b>M-1</b>   | <b>Budget Request</b> | <b>Final Bill</b> |
|--|-----------------------|-------------------|
| 160 TEMPORARY LODGING EXPENSE                          | 788                   | 788               |
| 180 DEATH GRATUITIES                                   | 500                   | 500               |
| 185 UNEMPLOYMENT BENEFITS                              | 365                   | 365               |
| 200 ADOPTION EXPENSES                                  | 8                     | 8                 |
| 210 TRANSPORTATION SUBSIDY                             | 134                   | 134               |
| <b>UNDISTRIBUTED ADJUSTMENT</b>                        | <b>0</b>              | <b>-7,961</b>     |
| Underexecution of strength                             |                       | -41,406           |
| Program increase - basic allowance for subsistence     |                       | 7,500             |
| Program increase - basic allowance for housing         |                       | 24,900            |
| Program increase - dislocation allowance               |                       | 200               |
| Program increase - basic needs allowance               |                       | 170               |
| Program increase - temporary lodging expense coverage  |                       | 675               |
| <b>TOTAL, TITLE I, MILITARY PERSONNEL, SPACE FORCE</b> | <b>1,117,361</b>      | <b>1,109,400</b>  |
| 300 HEALTH CARE CONTRIBUTION - OFFICERS                | 25,284                | 25,284            |
| 300 HEALTH CARE CONTRIBUTION - ENLISTED                | 23,765                | 23,765            |
| <b>TOTAL, MILITARY PERSONNEL, SPACE FORCE</b>          | <b>1,166,410</b>      | <b>1,158,449</b>  |

16B

RESERVE PERSONNEL, ARMY

The agreement provides \$5,212,834,000 for Reserve Personnel, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 17A

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

| M-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| 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           |
| <b>UNDISTRIBUTED ADJUSTMENT</b>                       | <b>0</b>         | <b>-171,852</b>  |
| Underexecution of strength                            |                  | -211,122         |
| Program increase - basic allowance for subsistence    |                  | 7,900            |
| Program increase - basic allowance for housing        |                  | 26,800           |
| Program increase - dislocation allowance              |                  | 800              |
| Program increase - basic needs allowance              |                  | 170              |
| Program increase - temporary lodging expense coverage |                  | 3,600            |
| <b>TOTAL, TITLE I, RESERVE PERSONNEL, ARMY</b>        | <b>5,384,686</b> | <b>5,212,834</b> |
| 300 HEALTH CARE CONTRIBUTION - RESERVE COMPONENT      | 490,000          | 490,000          |
| <b>TOTAL, RESERVE PERSONNEL, ARMY</b>                 | <b>5,874,686</b> | <b>5,702,834</b> |

17A

RESERVE PERSONNEL, NAVY

The agreement provides \$2,400,831,000 for Reserve Personnel, Navy, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 18A

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

| M-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| 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           |
| <b>UNDISTRIBUTED ADJUSTMENT</b>                       | <b>0</b>         | <b>-9,946</b>    |
| Underexecution of strength                            |                  | -35,916          |
| Program increase - basic allowance for subsistence    |                  | 4,600            |
| Program increase - basic allowance for housing        |                  | 15,500           |
| Program increase - dislocation allowance              |                  | 300              |
| Program increase - basic needs allowance              |                  | 170              |
| Program increase - temporary lodging expense coverage |                  | 5,400            |
| <b>TOTAL, TITLE I, RESERVE PERSONNEL, NAVY</b>        | <b>2,410,777</b> | <b>2,400,831</b> |
| 300 HEALTH CARE CONTRIBUTION - RESERVE COMPONENT      | 168,000          | 168,000          |
| <b>TOTAL, RESERVE PERSONNEL, NAVY</b>                 | <b>2,578,777</b> | <b>2,568,831</b> |

18A

RESERVE PERSONNEL, MARINE CORPS

The agreement provides \$826,712,000 for Reserve Personnel, Marine Corps, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 19A

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

| M-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| 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          |
| UNDISTRIBUTED ADJUSTMENT                               | 0              | -23,230        |
| Underexecution of strength                             |                | -32,700        |
| Program increase - basic allowance for subsistence     |                | 2,700          |
| Program increase - basic allowance for housing         |                | 5,100          |
| Program increase - dislocation allowance               |                | 100            |
| Program increase - basic needs allowance               |                | 170            |
| Program increase - temporary lodging expense coverage  |                | 1,400          |
| <b>TOTAL, TITLE I, RESERVE PERSONNEL, MARINE CORPS</b> | <b>849,942</b> | <b>826,712</b> |
| 300 HEALTH CARE CONTRIBUTION - RESERVE COMPONENT       | 83,000         | 83,000         |
| <b>TOTAL, RESERVE PERSONNEL, MARINE CORPS</b>          | <b>932,942</b> | <b>909,712</b> |

19A

RESERVE PERSONNEL, AIR FORCE

The agreement provides \$2,457,519,000 for Reserve Personnel, Air Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 20A

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

| M-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| 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            |
| <b>UNDISTRIBUTED ADJUSTMENT</b>                       | <b>0</b>         | <b>-62,359</b>   |
| Underexecution of strength                            |                  | -86,529          |
| Program increase - basic allowance for subsistence    |                  | 4,000            |
| Program increase - basic allowance for housing        |                  | 14,800           |
| Program increase - dislocation allowance              |                  | 400              |
| Program increase - basic needs allowance              |                  | 170              |
| Program increase - temporary lodging expense coverage |                  | 4,800            |
| <b>TOTAL, TITLE I, RESERVE PERSONNEL, AIR FORCE</b>   | <b>2,519,878</b> | <b>2,457,519</b> |
| 300 HEALTH CARE CONTRIBUTION - RESERVE COMPONENT      | 181,000          | 181,000          |
| <b>TOTAL, RESERVE PERSONNEL, AIR FORCE</b>            | <b>2,700,878</b> | <b>2,638,519</b> |

20A

NATIONAL GUARD PERSONNEL. ARMY

The agreement provides \$9,232,554,000 for National Guard Personnel, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert + ZIA

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

| <b>M-1</b>  | <b>Budget Request</b> | <b>Final Bill</b> |
|---|-----------------------|-------------------|
| <b>10 PAY GROUP A TRAINING (15 DAYS &amp; DRILLS 24/48)</b>                   | <b>2,657,734</b>      | <b>2,657,734</b>  |
| <b>30 PAY GROUP F TRAINING (RECRUITS)</b>                                     | <b>552,298</b>        | <b>552,298</b>    |
| <b>40 PAY GROUP P TRAINING (PIPELINE RECRUITS)</b>                            | <b>47,941</b>         | <b>47,941</b>     |
| <b>70 SCHOOL TRAINING</b>   | <b>587,537</b>        | <b>588,287</b>    |
| Program increase - Army Mountain Warfare School operations                    |                       | 750               |
| <b>80 SPECIAL TRAINING</b>  | <b>757,064</b>        | <b>776,764</b>    |
| Program increase - State Partnership Program                                  |                       | 9,700             |
| Program increase - wildfire training  |                       | 8,500             |
| Program increase - irregular warfare training exercises                       |                       | 1,500             |
| <b>90 ADMINISTRATION AND SUPPORT</b>  | <b>4,642,452</b>      | <b>4,642,452</b>  |
| <b>94 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS</b>                          | <b>70,700</b>         | <b>70,700</b>     |
| <b>100 EDUCATION BENEFITS</b>   | <b>9,087</b>          | <b>9,087</b>      |
| <b>UNDISTRIBUTED ADJUSTMENT</b>   | <b>0</b>              | <b>-112,709</b>   |
| Underexecution of strength  |                       | -195,000          |
| Program increase - basic allowance for subsistence                            |                       | 15,700            |
| Program increase - basic allowance for housing                                |                       | 48,600            |
| Program increase - dislocation allowance                                      |                       | 1,500             |
| Program increase - basic needs allowance                                      |                       | 340               |
| Program increase - temporary lodging expense coverage                         |                       | 5,300             |
| Program increase - trauma   |                       | 1,200             |
| Program increase - Exercise Northern Strike                                   |                       | 8,500             |
| Program increase - advanced trauma and public health direct training services |                       | 1,151             |
| <b>TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, ARMY</b>                         | <b>9,324,813</b>      | <b>9,232,554</b>  |
| <b>300 HEALTH CARE CONTRIBUTION - RESERVE COMPONENT</b>                       | <b>873,000</b>        | <b>873,000</b>    |
| <b>TOTAL, NATIONAL GUARD PERSONNEL, ARMY</b>                                  | <b>10,197,813</b>     | <b>10,105,554</b> |

(21A)

NATIONAL GUARD PERSONNEL, AIR FORCE

The agreement provides \$4,913,538,000 for National Guard Personnel, Air Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 22A

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

| <b>M-1</b>  | <b>Budget Request</b> | <b>Final Bill</b> |
|---|-----------------------|-------------------|
| <b>10 PAY GROUP A TRAINING (15 DAYS &amp; DRILLS 24/48)</b>                   | <b>934,473</b>        | <b>940,973</b>    |
| Program increase - combat readiness training centers                          |                       | 6,500             |
| <b>30 PAY GROUP F TRAINING (RECRUITS)</b>                                     | <b>147,492</b>        | <b>147,492</b>    |
| <b>40 PAY GROUP P TRAINING (PIPELINE RECRUITS)</b>                            | <b>5,808</b>          | <b>5,808</b>      |
| <b>70 SCHOOL TRAINING</b>   | <b>380,343</b>        | <b>380,343</b>    |
| <b>80 SPECIAL TRAINING</b>  | <b>267,431</b>        | <b>276,931</b>    |
| Program increase - State Partnership Program                                  |                       | 3,500             |
| Program increase - wildfire training  |                       | 6,000             |
| <b>90 ADMINISTRATION AND SUPPORT</b>  | <b>3,363,168</b>      | <b>3,229,968</b>  |
| Program increase - Warrior Resiliency and Fitness                             |                       | 500               |
| Transfer to Operation and Maintenance, Air National Guard                     |                       | -133,700          |
| <b>94 THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS</b>                          | <b>19,559</b>         | <b>19,559</b>     |
| <b>100 EDUCATION BENEFITS</b>   | <b>9,061</b>          | <b>9,061</b>      |
| <b>UNDISTRIBUTED ADJUSTMENT</b>   | <b>0</b>              | <b>-96,597</b>    |
| Underexecution of strength  |                       | -149,515          |
| Program increase - basic allowance for subsistence                            |                       | 7,700             |
| Program increase - basic allowance for housing                                |                       | 35,100            |
| Program increase - dislocation allowance                                      |                       | 700               |
| Program increase - basic needs allowance                                      |                       | 170               |
| Program increase - temporary lodging expense coverage                         |                       | 2,100             |
| Program increase - trauma   |                       | 2,400             |
| Program increase - Exercise Northern Strike                                   |                       | 2,000             |
| Program increase - advanced trauma and public health direct training services |                       | 2,748             |
| <b>TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, AIR FORCE</b>                    | <b>5,127,335</b>      | <b>4,913,538</b>  |
| <b>300 HEALTH CARE CONTRIBUTION - RESERVE COMPONENT</b>                       | <b>336,000</b>        | <b>336,000</b>    |
| <b>TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE</b>                             | <b>5,463,335</b>      | <b>5,249,538</b>  |

22A

**TITLE II – OPERATION AND MAINTENANCE**

The agreement provides \$278,075,177,000 in Title II, Operation and Maintenance.

~~(INSERT O&M RECAP TABLE)~~

Insert 23A

(DOLLARS IN THOUSANDS)

|  | BUDGET<br>REQUEST | FINAL<br>BILL |
|--|-------------------|---------------|
| -----  |                   |               |
| RECAPITULATION   |                   |               |
| OPERATION & MAINTENANCE, ARMY.....                     | 58,119,056        | 59,015,977    |
| OPERATION & MAINTENANCE, NAVY.....                     | 66,158,951        | 68,260,046    |
| OPERATION & MAINTENANCE, MARINE CORPS.....             | 9,660,944         | 9,891,998     |
| OPERATION & MAINTENANCE, AIR FORCE.....                | 58,281,242        | 60,279,937    |
| OPERATION & MAINTENANCE, SPACE FORCE.....              | 4,034,658         | 4,086,883     |
| OPERATION & MAINTENANCE, DEFENSE-WIDE.....             | 48,479,016        | 49,574,779    |
| COUNTER ISIS TRAIN AND EQUIP FUND (CTEF).....          | 541,692           | 475,000       |
| OPERATION & MAINTENANCE, ARMY RESERVE.....             | 3,228,504         | 3,206,434     |
| OPERATION & MAINTENANCE, NAVY RESERVE.....             | 1,228,300         | 1,278,050     |
| OPERATION & MAINTENANCE, MARINE CORPS RESERVE.....     | 304,233           | 347,633       |
| OPERATION & MAINTENANCE, AIR FORCE RESERVE.....        | 3,564,544         | 3,700,800     |
| OPERATION & MAINTENANCE, ARMY NATIONAL GUARD.....      | 8,157,237         | 8,299,187     |
| OPERATION & MAINTENANCE, AIR NATIONAL GUARD.....       | 6,900,679         | 7,382,079     |
| UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES... | 16,003            | 16,003        |
| ENVIRONMENTAL RESTORATION, ARMY.....                   | 196,244           | 324,500       |
| ENVIRONMENTAL RESTORATION, NAVY.....                   | 359,348           | 400,113       |
| ENVIRONMENTAL RESTORATION, AIR FORCE.....              | 314,474           | 573,810       |
| ENVIRONMENTAL RESTORATION, DEFENSE-WIDE.....           | 8,924             | 10,979        |
| ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES | 227,262           | 317,580       |
| OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID.....    | 112,800           | 170,000       |
| COOPERATIVE THREAT REDUCTION ACCOUNT.....              | 341,598           | 351,598       |
| DOD ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT.....     | 53,791            | 111,791       |
| RED HILL RECOVERY FUND (SEC. 8141).....                | 1,000,000         | ---           |
|  | =====             | =====         |
| GRAND TOTAL, OPERATION & MAINTENANCE.....              | 271,289,500       | 278,075,177   |
|  | =====             | =====         |

23A

REPROGRAMMING GUIDANCE FOR OPERATION AND MAINTENANCE ACCOUNTS

The Secretary of Defense is directed 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 Defense Appropriations Subcommittees.

The Secretary of Defense is directed to use the normal prior approval reprogramming procedures to transfer funds in the Services' operation and maintenance accounts between O-1 budget activities, or between sub-activity groups in the case of Operation and Maintenance, Defense-Wide, in excess of \$10,000,000. In addition, the Secretary of Defense shall follow prior approval reprogramming procedures for transfers in excess of \$10,000,000 out of the following readiness sub-activity groups:

*Army:*

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

*Navy:*

- Mission and other flight operations
- Fleet air training
- Aircraft depot maintenance
- Mission and other ship operations
- Ship depot maintenance
- Combat support forces

Facilities sustainment, restoration, and modernization  
Base operating support

*Marine Corps:*

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

*Air Force:*

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

*Space Force:*

Space operations  
Contractor logistics support and system support  
Administration

*Air Force Reserve:*

Primary combat forces

*Air National Guard:*

Aircraft operations

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

*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 systems support

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 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 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 BUDGET EXECUTION DATA

The Secretary of Defense is directed 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-I budget activity, activity group, and sub-activity group for each of the active, defense-wide, reserve, and National Guard components. For each O-I 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.

#### REPROGRAMMING GUIDANCE FOR SPECIAL OPERATIONS COMMAND

The agreement directs the Secretary of Defense to submit a baseline report that shows the Special Operations Command's operation and maintenance funding by sub-activity group for the fiscal year 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.

#### REPORTING REQUIREMENT FOR FUEL COST INCREASE

The agreement recommends a funding increase 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.

#### JOINT ALL DOMAIN TRAINING CENTER

The Secretary of Defense, in coordination with the Chiefs of the military services, is directed 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.

#### ENVIRONMENTAL RESTORATION PROGRAM TRANSPARENCY

The agreement provides an additional \$520,730,000 for the environmental restoration accounts to accelerate the cleanup of hazardous substances, pollutants, and contaminants. The Secretary of

Defense and the Service Secretaries are directed to provide a report on Environmental Restoration Program implementation to the congressional defense committees not later than 90 days after the 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. Further, the Secretary of Defense and the Service Secretaries are directed to provide quarterly budget execution reports to the House and Senate Appropriations Committees not later than 45 days after the enactment of this Act.

#### DRINKING WATER CONTAMINATION

The agreement provides an additional \$224,900,000 for the Department of Defense and military services to remediate contaminated drinking water caused by per- and polyfluoroalkyl substances (PFAS). In communities where PFAS has leached into the groundwater used for drinking in communities surrounding active and former military installations, the Secretary of Defense and Service Secretaries are directed to continue to prioritize mitigation plans that remove these chemicals from the groundwater as quickly and efficiently as possible. The Secretary of Defense and the Service Secretaries are directed to provide a spend plan to the House and Senate Appropriations Committees for the additional funds not later than 90 days after the enactment of this Act. Further, the Secretary of Defense and the Service Secretaries are directed to include a separate budget justification report on PFAS remediation and aqueous film forming foam removal and disposal activities in the operation and maintenance and environmental restoration accounts to the congressional defense committees 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.

#### PERFLUOROOCTANE SULFONATE AND PERFLUOROOCTANOIC ACID EXPOSURE ASSESSMENT

In lieu of related items directed under this heading in House Report 117-388, the agreement directs the Assistant Secretary of Defense for Energy, Installations, and Environment to submit a report to the House and Senate Appropriations Committees not later than 30 days after the enactment of this Act on the Department's strategy to execute the \$20,000,000 provided for a study and assessment of the health implications of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) contamination in drinking water. Further, as the Department conducts its exposure assessment on all

installations known to have PFOS/PFOA drinking water contamination, the agreement directs the Assistant Secretary of Defense for Energy, Installations, and Environment to publicly release the measured levels of contamination found at each installation.

OPERATION AND MAINTENANCE, ARMY

The agreement provides \$59,015,977,000 for Operation and Maintenance, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert + 30A-D

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

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>111 MANEUVER UNITS</b>   | <b>4,506,811</b> | <b>4,325,811</b> |
| Program increase - snow machines for arctic operations                    |                  | 1,000            |
| Program increase - FMTV hardtops for arctic operations                    |                  | 1,000            |
| Program increase - shelters and heaters for arctic operations             |                  | 17,000           |
| Unjustified growth  |                  | -200,000         |
| <b>112 MODULAR SUPPORT BRIGADES</b>                                       | <b>177,136</b>   | <b>170,636</b>   |
| Unjustified growth  |                  | -6,500           |
| <b>113 ECHELONS ABOVE BRIGADES</b>  | <b>894,629</b>   | <b>874,129</b>   |
| Unjustified growth  |                  | -20,500          |
| <b>114 THEATER LEVEL ASSETS</b>   | <b>2,570,949</b> | <b>2,569,449</b> |
| Program increase - Army caisson platoon facility improvements             |                  | 5,000            |
| Unjustified growth  |                  | -6,500           |
| <b>115 LAND FORCES OPERATIONS SUPPORT</b>                                 | <b>1,184,230</b> | <b>1,144,230</b> |
| Unjustified growth  |                  | -40,000          |
| <b>116 AVIATION ASSETS</b>  | <b>2,220,817</b> | <b>2,185,817</b> |
| Unjustified growth  |                  | -35,000          |
| <b>121 FORCE READINESS OPERATIONS SUPPORT</b>                             | <b>7,366,299</b> | <b>7,397,999</b> |
| Program increase - camouflage   |                  | 30,000           |
| Program increase - arctic organization clothing and individual equipment  |                  | 32,500           |
| Program increase - female body armor                                      |                  | 32,500           |
| Program increase - restore Army information technology cut                |                  | 21,400           |
| Program increase - extended cold weather clothing system                  |                  | 9,000            |
| Program increase - Service Tactical Signal Intelligence (SIGINT) upgrades |                  | 3,500            |
| Program increase - SOUTHCOM maritime patrol aircraft                      |                  | 27,800           |
| Unjustified growth  |                  | -50,000          |
| Program decrease unaccounted for  |                  | -75,000          |
| <b>122 LAND FORCES SYSTEMS READINESS</b>                                  | <b>483,683</b>   | <b>483,683</b>   |
| <b>123 LAND FORCES DEPOT MAINTENANCE</b>                                  | <b>1,399,173</b> | <b>1,399,173</b> |
| <b>124 MEDICAL READINESS</b>  | <b>897,522</b>   | <b>897,522</b>   |
| <b>131 BASE OPERATIONS SUPPORT</b>  | <b>9,330,325</b> | <b>9,628,931</b> |
| Program increase - renaming institutions                                  |                  | 1,000            |
| Program increase - PFAS related activities                                |                  | 1,500            |
| Program increase - aqueous film forming foam removal and disposal         |                  | 9,300            |
| Program increase - impact of inflation on utility costs                   |                  | 300,000          |
| Program increase - child development center employee discount             |                  | 11,806           |
| Unjustified growth  |                  | -25,000          |

30A

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>132 FACILITIES SUSTAINMENT, RESTORATION, &amp; MODERNIZATION</b>               | <b>4,666,658</b> | <b>5,147,658</b> |
| Program increase  |                  | 265,000          |
| Program increase - Army caisson platoon facility improvements                     |                  | 10,000           |
| Program increase - facility reduction program                                     |                  | 5,000            |
| Program increase - United States Army Aviation Center of Excellence               |                  | 30,000           |
| Program increase - VOLAR barracks renovation                                      |                  | 135,000          |
| Program increase - United States Military Academy                                 |                  | 30,000           |
| Program increase - United States Forces Korea                                     |                  | 6,000            |
| <b>133 MANAGEMENT AND OPERATIONAL HEADQUARTERS</b>                                | <b>284,483</b>   | <b>274,483</b>   |
| Unjustified growth  |                  | -10,000          |
| <b>135 ADDITIONAL ACTIVITIES</b>  | <b>450,348</b>   | <b>450,348</b>   |
| <b>137 RESET</b>  | <b>383,360</b>   | <b>383,360</b>   |
| <b>141 US AFRICA COMMAND</b>  | <b>385,685</b>   | <b>466,525</b>   |
| Program increase - P.L. 115-68  |                  | 340              |
| Program increase - natural resource management and regional prosperity activities |                  | 5,000            |
| Program increase - ISR  |                  | 50,000           |
| Program increase - AFRICOM exercise site surveys                                  |                  | 10,000           |
| Program increase - force protection   |                  | 8,100            |
| Program increase - refurbishment of Pier 10 in Djibouti City                      |                  | 7,400            |
| <b>142 US EUROPEAN COMMAND</b>  | <b>359,602</b>   | <b>364,852</b>   |
| Program increase - P.L. 115-68  |                  | 250              |
| Program increase - natural resource management                                    |                  | 5,000            |
| <b>143 US SOUTHERN COMMAND</b>  | <b>204,336</b>   | <b>213,811</b>   |
| Program increase - P.L. 115-68  |                  | 375              |
| Program increase - natural resource management                                    |                  | 5,000            |
| Program increase - enhanced domain awareness                                      |                  | 4,100            |
| <b>144 US FORCES KOREA</b>  | <b>67,756</b>    | <b>67,756</b>    |
| <b>151 CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS</b>                          | <b>495,066</b>   | <b>495,066</b>   |
| <b>153 CYBER SPACE ACTIVITIES - CYBERSECURITY</b>                                 | <b>673,701</b>   | <b>673,701</b>   |
| <b>154 JOINT CYBER MISSION FORCES</b>   | <b>178,033</b>   | <b>178,033</b>   |
| <b>211 STRATEGIC MOBILITY</b>   | <b>434,423</b>   | <b>434,423</b>   |
| <b>212 ARMY PREPOSITIONED STOCKS</b>  | <b>378,494</b>   | <b>378,494</b>   |
| <b>213 INDUSTRIAL PREPAREDNESS</b>  | <b>4,001</b>     | <b>4,001</b>     |
| <b>311 OFFICER ACQUISITION</b>  | <b>173,439</b>   | <b>173,439</b>   |
| <b>312 RECRUIT TRAINING</b>   | <b>78,826</b>    | <b>78,826</b>    |

30B

| O-1   | Budget Request | Final Bill                     |
|---|----------------|--------------------------------|
| <b>313 ONE STATION UNIT TRAINING</b><br>Unjustified growth  | 128,117        | 116,117<br>-12,000             |
| <b>314 SENIOR RESERVE OFFICERS TRAINING CORPS</b><br>Program increase - ROTC helicopter training program                      | 554,992        | 555,992<br>1,000               |
| <b>321 SPECIALIZED SKILL TRAINING</b><br>Unjustified growth   | 1,115,045      | 1,085,045<br>-30,000           |
| <b>322 FLIGHT TRAINING</b>  | 1,396,392      | 1,396,392                      |
| <b>323 PROFESSIONAL DEVELOPMENT EDUCATION</b>   | 221,960        | 221,960                        |
| <b>324 TRAINING SUPPORT</b><br>Unjustified growth   | 717,318        | 697,318<br>-20,000             |
| <b>331 RECRUITING AND ADVERTISING</b><br>Program increase   | 691,053        | 791,053<br>100,000             |
| <b>332 EXAMINING</b>  | 192,832        | 192,832                        |
| <b>333 OFF-DUTY AND VOLUNTARY EDUCATION</b>   | 235,340        | 235,340                        |
| <b>334 CIVILIAN EDUCATION AND TRAINING</b>  | 251,378        | 251,378                        |
| <b>335 JUNIOR RESERVE OFFICERS TRAINING CORPS</b><br>Program increase<br>Program increase - JROTC STEM training and education | 196,088        | 202,588<br>5,000<br>1,500      |
| <b>421 SERVICEWIDE TRANSPORTATION</b><br>Unjustified growth - overseas operations costs                                       | 662,083        | 655,083<br>-7,000              |
| <b>422 CENTRAL SUPPLY ACTIVITIES</b>  | 822,018        | 822,018                        |
| <b>423 LOGISTICS SUPPORT ACTIVITIES</b><br>Unjustified growth   | 806,861        | 781,861<br>-25,000             |
| <b>424 AMMUNITION MANAGEMENT</b>  | 483,187        | 483,187                        |
| <b>431 ADMINISTRATION</b>   | 486,154        | 486,154                        |
| <b>432 SERVICEWIDE COMMUNICATIONS</b><br>Program increase - ALTNAV<br>Program decrease unaccounted for                        | 1,871,173      | 1,868,173<br>12,000<br>-15,000 |
| <b>433 MANPOWER MANAGEMENT</b>  | 344,668        | 344,668                        |
| <b>434 OTHER PERSONNEL SUPPORT</b>  | 811,999        | 811,999                        |
| <b>435 OTHER SERVICE SUPPORT</b><br>Program increase - Capitol Fourth<br>Unjustified growth                                   | 2,267,280      | 2,245,980<br>3,700<br>-25,000  |

300

| O-1   | Budget Request    | Final Bill          |
|---|-------------------|---------------------|
| 436 ARMY CLAIMS ACTIVITIES  | 191,912           | 191,912             |
| 437 REAL ESTATE MANAGEMENT<br>Program increase - real estate inventory tool   | 288,942           | 293,942<br>5,000    |
| 438 FINANCIAL IMPROVEMENT AND AUDIT READINESS   | 410,983           | 410,983             |
| 43Q DEFENSE ACQUISITION WORKFORCE DEVELOPMENT<br>ACCOUNT<br>Program increase - Army training certification system modernization | 38,714            | 40,714<br>2,000     |
| 441 INTERNATIONAL MILITARY HEADQUARTERS<br>Program increase - NATO support  | 532,377           | 610,377<br>78,000   |
| 442 MISC. SUPPORT OF OTHER NATIONS  | 35,709            | 35,709              |
| 411 OTHER PROGRAMS<br>Classified adjustment   | 2,114,696         | 2,109,796<br>-4,900 |
| UNIT-LEVEL 3D PRINT CAPABILITIES  |                   | 25,000              |
| PROGRAM DECREASE UNACCOUNTED FOR  |                   | -100,000            |
| HISTORICAL UNOBLIGATED BALANCES   |                   | -125,000            |
| FUEL  |                   | 415,000             |
| P.L. 115-68 IMPLEMENTATION  |                   | 250                 |
| <b>TOTAL, OPERATION AND MAINTENANCE, ARMY</b>   | <b>58,119,056</b> | <b>59,015,977</b>   |

30D

OPERATION AND MAINTENANCE, NAVY

The agreement provides \$68,260,046,000 for Operation and Maintenance, Navy, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 31A-D

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

| O-1   | Budget Request    | Final Bill        |
|---|-------------------|-------------------|
| <b>1A1A MISSION AND OTHER FLIGHT OPERATIONS</b>   | <b>7,334,452</b>  | <b>7,192,452</b>  |
| Unjustified growth  |                   | -100,000          |
| Transfer within OM, N for Fallon Range Training Complex   |                   | -42,000           |
| <b>1A2A FLEET AIR TRAINING</b>  | <b>2,793,739</b>  | <b>2,758,739</b>  |
| Unjustified growth  |                   | -17,000           |
| Transfer within OM, N for Fallon Range Training Complex   |                   | -18,000           |
| <b>1A3A AVIATION TECHNICAL DATA AND ENGINEERING SERVICES</b>  | <b>65,248</b>     | <b>65,248</b>     |
| <b>1A4A AIR OPERATIONS AND SAFETY SUPPORT</b>   | <b>214,767</b>    | <b>214,767</b>    |
| <b>1A4N AIR SYSTEMS SUPPORT</b>   | <b>1,075,365</b>  | <b>1,057,865</b>  |
| Unjustified growth  |                   | -17,500           |
| <b>1A5A AIRCRAFT DEPOT MAINTENANCE</b>  | <b>1,751,737</b>  | <b>1,791,737</b>  |
| Program increase - aircraft depot maintenance events (multiple type/model/series)   |                   | 50,000            |
| Program increase - readiness and efficiency improvements  |                   | 5,000             |
| Unjustified growth  |                   | -15,000           |
| <b>1A6A AIRCRAFT DEPOT OPERATIONS SUPPORT</b>   | <b>70,319</b>     | <b>70,319</b>     |
| <b>1A9A AVIATION LOGISTICS</b>  | <b>1,679,193</b>  | <b>1,659,193</b>  |
| Unjustified growth  |                   | -20,000           |
| <b>1B1B MISSION AND OTHER SHIP OPERATIONS</b>   | <b>6,454,952</b>  | <b>6,526,052</b>  |
| Program increase - ship operations-organizational level ship maintenance and repair parts, temporary additional duty for Pacific Deterrence Initiative fleet training and exercises |                   | 50,000            |
| Program increase - restore LCS decommissionings   |                   | 11,500            |
| Program increase - restore funding for the USS Tortuga, USS Germantown, USS Gunston Hall and USS Ashland  |                   | 59,600            |
| Unjustified growth  |                   | -50,000           |
| <b>1B2B SHIP OPERATIONS SUPPORT AND TRAINING</b>  | <b>1,183,237</b>  | <b>1,163,237</b>  |
| Program decrease unaccounted for  |                   | -20,000           |
| <b>1B4B SHIP DEPOT MAINTENANCE</b>  | <b>10,038,261</b> | <b>10,339,461</b> |
| Program increase - public shipyard tools, test equipment and machinery  |                   | 190,000           |
| Program increase - restore LCS decommissionings   |                   | 83,700            |
| Program increase - restore funding for the USS Tortuga, USS Germantown, USS Gunston Hall and USS Ashland  |                   | 52,500            |
| Program increase - Naval shipyard wages   |                   | 75,000            |
| Program decrease - delays in program execution  |                   | -100,000          |
| <b>1B5B SHIP DEPOT OPERATIONS SUPPORT</b>   | <b>2,422,095</b>  | <b>2,457,095</b>  |
| Program increase - Shipyard Infrastructure Optimization Program   |                   | 25,000            |
| Program increase - restore CG 69 Vicksburg  |                   | 40,000            |
| Unjustified growth  |                   | -30,000           |

31A

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>1C1C COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE</b>                                | <b>1,632,824</b> | <b>1,633,324</b> |
| Program increase - Service Tactical Signal Intelligence (SIGINT) upgrades               |                  | 500              |
| <b>1C3C SPACE SYSTEMS AND SURVEILLANCE</b>  | <b>339,103</b>   | <b>339,103</b>   |
| <b>1C4C WARFARE TACTICS</b>   | <b>881,999</b>   | <b>881,999</b>   |
| <b>1C5C OPERATIONAL METEOROLOGY AND OCEANOGRAPHY</b>                                    | <b>444,150</b>   | <b>449,150</b>   |
| Program increase - national ocean intelligence leadership                               |                  | 5,000            |
| <b>1C6C COMBAT SUPPORT FORCES</b>   | <b>2,274,710</b> | <b>2,277,710</b> |
| Program increase - Commercial USV and AI tools for maritime domain awareness            |                  | 20,000           |
| Program decrease unaccounted for  |                  | -17,000          |
| <b>1C7C EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT</b>                          | <b>194,346</b>   | <b>194,346</b>   |
| <b>1CCF CYBER MISSION FORCES</b>  | <b>101,049</b>   | <b>101,049</b>   |
| <b>1CCH COMBATANT COMMANDERS CORE OPERATIONS</b>  | <b>65,893</b>    | <b>73,893</b>    |
| Program increase - Asia Pacific Regional Initiative                                     |                  | 8,000            |
| <b>1CCM COMBATANT COMMANDERS DIRECT MISSION SUPPORT</b>                                 | <b>282,742</b>   | <b>344,742</b>   |
| Program increase - P.L. 115-68  |                  | 1,000            |
| Program increase - natural resource management  |                  | 5,000            |
| Program increase - Pacific Movement Coordination Center (PMCC)                          |                  | 2,500            |
| Program increase - Pacific Multi-Domain Training and Experimentation Capability (PMTEC) |                  | 19,000           |
| SOCOM requested transfer to Navy SAG 1CCM Combatant Commander Direct Mission Support    |                  | 12,500           |
| Program increase - STORMBREAKER   |                  | 22,000           |
| <b>1CCY CYBERSPACE ACTIVITIES</b>   | <b>477,540</b>   | <b>477,540</b>   |
| <b>1D2D FLEET BALLISTIC MISSILE</b>   | <b>1,664,076</b> | <b>1,664,076</b> |
| <b>1D4D WEAPONS MAINTENANCE</b>   | <b>1,495,783</b> | <b>1,488,783</b> |
| Program decrease unaccounted for  |                  | -30,000          |
| Program increase - SM-6 Expansion of Combat Usable Asset (CUA) Inventory                |                  | 23,000           |
| <b>1D7D OTHER WEAPON SYSTEMS SUPPORT</b>  | <b>649,371</b>   | <b>649,371</b>   |
| <b>BSIT ENTERPRISE INFORMATION TECHNOLOGY</b>   | <b>1,647,834</b> | <b>1,637,834</b> |
| Unjustified growth  |                  | -10,000          |
| <b>BSM1 SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>                                | <b>3,549,311</b> | <b>3,956,011</b> |
| Program increase - plating facility upgrades at public shipyards                        |                  | 6,000            |
| Program increase - USNA   |                  | 49,000           |
| Program increase - seismic and fire protection  |                  | 20,000           |
| Program increase - earthquake repairs   |                  | 66,700           |
| Program increase  |                  | 265,000          |

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>BSS1 BASE OPERATING SUPPORT</b>                                | <b>5,503,088</b> | <b>5,727,123</b> |
| Program decrease unaccounted for                                  |                  | -85,000          |
| Program increase - Shipyard Infrastructure Optimization Program   |                  | 25,000           |
| Program increase - aqueous film forming foam removal and disposal |                  | 16,600           |
| Program increase - child development center employee discount     |                  | 7,435            |
| Program increase - impact of inflation on utility costs           |                  | 200,000          |
| Transfer within OM, N for Fallon Range Training Complex           |                  | 60,000           |
| <b>2A1F SHIP PREPOSITIONING AND SURGE</b>                         | <b>467,648</b>   | <b>521,648</b>   |
| Program increase - restore ESD John Glenn and Montford Point      |                  | 54,000           |
| <b>2A2F READY RESERVE FORCE</b>                                   | <b>683,932</b>   | <b>683,932</b>   |
| <b>2B2G SHIP ACTIVATIONS/INACTIVATIONS</b>                        | <b>364,096</b>   | <b>343,396</b>   |
| Program decrease - reverse decommissionings                       |                  | -20,700          |
| <b>2C1H EXPEDITIONARY HEALTH SERVICES SYSTEMS</b>                 | <b>133,780</b>   | <b>133,780</b>   |
| <b>2C3H COAST GUARD SUPPORT</b>                                   | <b>21,196</b>    | <b>21,196</b>    |
| <b>3A1J OFFICER ACQUISITION</b>                                   | <b>190,578</b>   | <b>190,578</b>   |
| <b>3A2J RECRUIT TRAINING</b>                                      | <b>14,679</b>    | <b>14,679</b>    |
| <b>3A3J RESERVE OFFICERS TRAINING CORPS</b>                       | <b>170,845</b>   | <b>170,845</b>   |
| <b>3B1K SPECIALIZED SKILL TRAINING</b>                            | <b>1,133,889</b> | <b>1,127,389</b> |
| Unjustified growth  |                  | -6,500           |
| <b>3B3K PROFESSIONAL DEVELOPMENT EDUCATION</b>                    | <b>334,844</b>   | <b>334,844</b>   |
| <b>3B4K TRAINING SUPPORT</b>                                      | <b>356,670</b>   | <b>356,670</b>   |
| <b>3C1L RECRUITING AND ADVERTISING</b>                            | <b>204,498</b>   | <b>250,498</b>   |
| Program increase  |                  | 42,000           |
| Program increase - Naval Sea Cadet Corp                           |                  | 4,000            |
| <b>3C3L OFF-DUTY AND VOLUNTARY EDUCATION</b>                      | <b>89,971</b>    | <b>89,971</b>    |
| <b>3C4L CIVILIAN EDUCATION AND TRAINING</b>                       | <b>69,798</b>    | <b>69,798</b>    |
| <b>3C5L JUNIOR ROTC</b>   | <b>55,194</b>    | <b>60,694</b>    |
| Program increase  |                  | 5,000            |
| Program increase - JROTC STEM training and education              |                  | 500              |
| <b>4A1M ADMINISTRATION</b>  | <b>1,349,966</b> | <b>1,336,966</b> |
| Program decrease unaccounted for                                  |                  | -13,000          |
| <b>4A3M CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT</b>            | <b>227,772</b>   | <b>227,772</b>   |
| <b>4A4M MILITARY MANPOWER AND PERSONNEL MANAGEMENT</b>            | <b>667,627</b>   | <b>637,627</b>   |
| Unjustified growth  |                  | -30,000          |

31C

| O-1  | Budget Request    | Final Bill         |
|--|-------------------|--------------------|
| 4A8M MEDICAL ACTIVITIES  | 284,962           | 284,962            |
| 4B1A DEFENSE ACQUISITION WORKFORCE DEVELOPMENT<br>ACCOUNT  | 62,824            | 62,824             |
| 4B1N SERVICEWIDE TRANSPORTATION  | 207,501           | 207,501            |
| 4B2N PLANNING, ENGINEERING AND DESIGN<br>Unjustified growth  | 554,265           | 539,265<br>-15,000 |
| 4B3N ACQUISITION, LOGISTICS AND OVERSIGHT<br>Program increase - commercial off the shelf supply chain risk<br>management tools | 798,473           | 810,473<br>12,000  |
| 4C1P INVESTIGATIVE AND SECURITY SERVICES   | 791,059           | 791,059            |
| 999 OTHER PROGRAMS<br>Classified adjustment  | 635,700           | 637,200<br>1,500   |
| FUEL   |                   | 1,270,000          |
| FLEET LEVEL 3-D PRINT CAPABILITIES   |                   | 22,000             |
| HISTORICAL UNOBLIGATED BALANCES  |                   | -100,000           |
| UNJUSTIFIED GROWTH   |                   | -30,000            |
| P.L. 115-68 IMPLEMENTATION   |                   | 260                |
| <b>TOTAL, OPERATION AND MAINTENANCE, NAVY</b>  | <b>66,158,951</b> | <b>68,260,046</b>  |

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#### NAVAL SHIPYARD APPRENTICE PROGRAM

The Secretary of the Navy is directed to induct classes of not fewer than 100 apprentices at each of the respective naval shipyards and to include the costs of the class of apprentices in the fiscal year 2024 President's budget request.

#### UNITED STATES COAST GUARD

The agreement directs that funds appropriated under Operation and Maintenance, Navy may be used to pay overhead costs incurred by a naval shipyard when drydocking Coast Guard ships.

#### SHIP MAINTENANCE

Despite the Navy's efforts to tackle barriers to on-time ship maintenance, concerns about costs and schedules remain. The agreement directs the following deliverables to keep the congressional defense committees informed about efforts to address maintenance challenges. The Secretary of the Navy shall continue to provide the quarterly reports regarding private contracted ship maintenance as directed in House Report 116-453; submit the annual report on ship maintenance required by section 1016 of Public Law 117-81 to the House and Senate Appropriations Committees in conjunction with its submission to the House and Senate Armed Services Committees; and not later than 30 days after the enactment of this Act, brief the House and Senate Appropriations Committees on the Navy's formulation of a new funding model that is projecting to cut submarine maintenance delays by 2026. This language replaces the language under the heading "Ship Maintenance" in House Report 117-388.

#### LITTORAL COMBAT SHIP ALTERNATIVE USES

It is noted that despite repeated concerns from the congressional defense committees, the Navy continues to propose the decommissioning of many Littoral Combat Ships well before the end of their useful service lives. However, it is understood that the Navy is conducting studies on the alternative uses of these platforms, including the future integration of unmanned systems. It is noted and appreciated that the Navy is taking these positive steps in utilizing ships that were funded at great taxpayer expense. Therefore, the Secretary of the Navy, not later than 30 days after the enactment of this Act, is directed to submit a detailed development plan, including the associated resourcing requirements across the future year defense program, to the congressional defense committees on these proposed alternative uses.

Further, the Secretary of the Navy is directed to include funding for the modifications of these ships in its fiscal year 2024 President's budget request.

OPERATION AND MAINTENANCE, MARINE CORPS

The agreement provides \$9,891,998,000 for Operation and Maintenance, Marine Corps, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 39A-B

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

| O-1  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| <b>1A1A OPERATIONAL FORCES</b>                                 | <b>1,740,491</b> | <b>1,804,991</b> |
| Program increase - hearing enhancement and protection headsets |                  | 17,500           |
| Program increase - autonomous robotic targets                  |                  | 10,000           |
| Program increase - transportation shortfall                    |                  | 67,000           |
| Unjustified growth   |                  | -30,000          |
| <b>1A2A FIELD LOGISTICS</b>                                    | <b>1,699,425</b> | <b>1,669,425</b> |
| Unjustified growth   |                  | -30,000          |
| <b>1A3A DEPOT MAINTENANCE</b>                                  | <b>221,886</b>   | <b>221,886</b>   |
| <b>1B1B MARITIME PREPOSITIONING</b>                            | <b>139,518</b>   | <b>137,518</b>   |
| Unjustified growth   |                  | -2,000           |
| <b>1CCF CYBER MISSION FORCES</b>                               | <b>94,199</b>    | <b>94,199</b>    |
| <b>1CCY CYBERSPACE ACTIVITIES</b>                              | <b>194,904</b>   | <b>194,904</b>   |
| <b>BSM1 SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>       | <b>1,292,219</b> | <b>1,342,219</b> |
| Program increase   |                  | 50,000           |
| <b>BSS1 BASE OPERATING SUPPORT</b>                             | <b>2,699,487</b> | <b>2,772,701</b> |
| Program increase - impact of inflation on utility costs        |                  | 100,000          |
| Program increase - child development center employee discount  |                  | 3,214            |
| Unjustified growth   |                  | -30,000          |
| <b>3A1C RECRUIT TRAINING</b>                                   | <b>23,217</b>    | <b>23,217</b>    |
| <b>3A2C OFFICER ACQUISITION</b>                                | <b>1,268</b>     | <b>1,268</b>     |
| <b>3B1D SPECIALIZED SKILLS TRAINING</b>                        | <b>118,638</b>   | <b>115,138</b>   |
| Unjustified growth   |                  | -3,500           |
| <b>3B3D PROFESSIONAL DEVELOPMENT EDUCATION</b>                 | <b>64,626</b>    | <b>64,626</b>    |
| <b>3B4D TRAINING SUPPORT</b>                                   | <b>523,603</b>   | <b>513,603</b>   |
| Program decrease unaccounted for                               |                  | -10,000          |
| <b>3C1F RECRUITING AND ADVERTISING</b>                         | <b>225,759</b>   | <b>280,759</b>   |
| Program increase   |                  | 55,000           |
| <b>3C2F OFF-DUTY AND VOLUNTARY EDUCATION</b>                   | <b>51,882</b>    | <b>51,882</b>    |
| <b>3C3F JUNIOR ROTC</b>  | <b>27,660</b>    | <b>33,160</b>    |
| Program increase   |                  | 5,000            |
| Program increase - JROTC STEM training and education           |                  | 500              |
| <b>4A3G SERVICEWIDE TRANSPORTATION</b>                         | <b>78,542</b>    | <b>104,542</b>   |
| Program increase - transportation shortfall                    |                  | 26,000           |

34A

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| 4A4G ADMINISTRATION                                   | 401,030          | 401,030          |
| 4A7G SECURITY PROGRAMS                                | 62,590           | 62,590           |
| FUEL  |                  | 22,000           |
| HISTORICAL UNOBLIGATED BALANCES                       |                  | -20,000          |
| P.L. 115-68 IMPLEMENTATION                            |                  | 340              |
| <b>TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS</b> | <b>9,660,944</b> | <b>9,891,998</b> |

39B

OPERATION AND MAINTENANCE, AIR FORCE

The agreement provides \$60,279,937,000 for Operation and Maintenance, Air Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 35A-D

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

| O-1  | Budget Request    | Final Bill        |
|--|-------------------|-------------------|
| <b>11A PRIMARY COMBAT FORCES</b>   | <b>936,731</b>    | <b>941,731</b>    |
| Unjustified growth   |                   | -55,000           |
| Air Force requested transfer from 11C  |                   | 60,000            |
| <b>11C COMBAT ENHANCEMENT FORCES</b>   | <b>2,657,865</b>  | <b>2,557,722</b>  |
| Program increase - combat aviation advisor mission support   |                   | 18,000            |
| Excess growth  |                   | -126,000          |
| Air Force requested transfer to 11A  |                   | -60,000           |
| Transfer from RDTE, AF for BA08 software pilot program   |                   | 67,857            |
| <b>11D AIR OPERATIONS TRAINING</b>   | <b>1,467,518</b>  | <b>1,467,518</b>  |
| <b>11M DEPOT PURCHASE EQUIPMENT MAINTENANCE</b>  | <b>4,341,794</b>  | <b>4,366,794</b>  |
| Program increase - weapons system sustainment  |                   | 50,000            |
| Unjustified growth   |                   | -25,000           |
| <b>11R REAL PROPERTY MAINTENANCE</b>   | <b>4,091,088</b>  | <b>4,391,088</b>  |
| Program increase   |                   | 265,000           |
| Program increase - USAFA   |                   | 35,000            |
| <b>11V CYBERSPACE SUSTAINMENT</b>  | <b>130,754</b>    | <b>284,428</b>    |
| Program increase - weapon system sustainment   |                   | 40,000            |
| Program increase - Cyber Operations for Base Resilient Architecture                                |                   | 10,000            |
| Transfer from RDTE, AF for BA08 software pilot program   |                   | 103,674           |
| <b>11W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</b>   | <b>8,782,940</b>  | <b>8,835,156</b>  |
| Program increase - Gorgon Stare  |                   | 18,000            |
| Transfer from RDTE, AF for BA08 software pilot program   |                   | 44,216            |
| Unjustified growth   |                   | -10,000           |
| <b>11Y FLYING HOUR PROGRAM</b>   | <b>5,871,718</b>  | <b>5,833,718</b>  |
| Unjustified growth   |                   | -38,000           |
| <b>11Z BASE SUPPORT</b>  | <b>10,638,741</b> | <b>10,689,420</b> |
| Program increase - artificial intelligence/advanced video exploitation for natural resources units |                   | 4,000             |
| Program increase - aqueous film forming foam removal and disposal                                  |                   | 10,000            |
| Program increase - impact of inflation on utility costs  |                   | 167,000           |
| Program increase - child development center employee discount                                      |                   | 9,679             |
| Unjustified growth   |                   | -45,000           |
| Program decrease unaccounted for   |                   | -95,000           |
| <b>12A GLOBAL C3I AND EARLY WARNING</b>  | <b>1,035,043</b>  | <b>1,100,154</b>  |
| Program decrease - early to need   |                   | -8,500            |
| Unjustified growth   |                   | -10,000           |
| Transfer from RDTE, AF for BA08 software pilot program   |                   | 83,611            |
| <b>12C OTHER COMBAT OPERATIONS SUPPORT PROGRAMS</b>  | <b>1,436,329</b>  | <b>1,431,329</b>  |
| Program decrease   |                   | -5,000            |

| O-1 |  | Budget Request | Final Bill |
|-----|--|----------------|------------|
| 12D | <b>CYBERSPACE ACTIVITIES</b>                                 | 716,931        | 736,874    |
|     | Transfer from RDTE, AF for BA08 software pilot program       |                | 19,943     |
| 12S | <b>JOINT CYBER MISSION FORCE PROGRAMS</b>                    | 186,759        | 191,759    |
|     | Air Force-requested transfer JCC2 from SAG 15E               |                | 5,000      |
| 13A | <b>LAUNCH OPERATIONS</b>                                     | 690            | 690        |
| 15C | <b>US NORTHCOM/NORAD</b>                                     | 197,210        | 203,775    |
|     | Program increase - implementation of P.L. 115-68             |                | 565        |
|     | Program increase - natural resource management               |                | 5,000      |
|     | Program increase - polar tactical airlift capabilities study |                | 1,000      |
| 15D | <b>US STRATCOM</b>   | 503,419        | 553,716    |
|     | Program increase - implementation of P.L. 115-68             |                | 250        |
|     | Transfer from RDTE, AF for BA08 software pilot program       |                | 50,047     |
| 15E | <b>US CYBERCOM</b>   | 436,807        | 493,457    |
|     | Program increase - implementation of P.L. 115-68             |                | 250        |
|     | Program increase - cyber mission force operational support   |                | 50,000     |
|     | Program increase - joint cyberspace warfighting architecture |                | 6,400      |
|     | Program increase - Cyber Command Hunt forward                |                | 5,000      |
|     | Air Force-requested transfer JCC2 to SAG 12S                 |                | -5,000     |
| 15F | <b>US CENTCOM</b>  | 331,162        | 321,347    |
|     | Program increase - implementation of P.L. 115-68             |                | 185        |
|     | Program increase - natural resource management               |                | 10,000     |
|     | Program decrease - Office of Security Cooperation - Iraq     |                | -20,000    |
| 15G | <b>US SOCOM</b>  | 27,318         | 28,208     |
|     | Program increase - implementation of P.L. 115-68             |                | 890        |
| 15H | <b>US TRANSCOM</b>   | 0              | 250        |
|     | Program increase - implementation of P.L. 115-68             |                | 250        |
| 15U | <b>CENTCOM CYBERSPACE SUSTAINMENT</b>                        | 1,367          | 1,367      |
| 15X | <b>USSPACECOM</b>  | 329,543        | 330,051    |
|     | Program increase - implementation of P.L. 115-68             |                | 508        |
|     | <b>CLASSIFIED PROGRAMS</b>                                   | 1,705,801      | 1,705,801  |
| 21A | <b>AIRLIFT OPERATIONS</b>                                    | 2,780,616      | 2,780,616  |
| 21D | <b>MOBILIZATION PREPAREDNESS</b>                             | 721,172        | 706,172    |
|     | Unjustified growth   |                | -15,000    |
| 31A | <b>OFFICER ACQUISITION</b>                                   | 189,721        | 189,721    |
| 31B | <b>RECRUIT TRAINING</b>                                      | 26,684         | 26,684     |

35B

| O-1  | Budget Request | Final Bill                     |
|--|----------------|--------------------------------|
| 31D RESERVE OFFICER TRAINING CORPS (ROTC)  | 135,515        | 135,515                        |
| 32A SPECIALIZED SKILL TRAINING   | 541,511        | 541,511                        |
| 32B FLIGHT TRAINING<br>Program increase - introductory flight training - rotary program  | 779,625        | 796,625<br>17,000              |
| 32C PROFESSIONAL DEVELOPMENT EDUCATION<br>Program increase - Air University Center of Excellence<br>Program decrease unaccounted for | 313,556        | 307,556<br>4,000<br>-10,000    |
| 32D TRAINING SUPPORT   | 171,087        | 171,087                        |
| 33A RECRUITING AND ADVERTISING<br>Program increase   | 197,956        | 297,956<br>100,000             |
| 33B EXAMINING  | 8,282          | 8,282                          |
| 33C OFF DUTY AND VOLUNTARY EDUCATION   | 254,907        | 254,907                        |
| 33D CIVILIAN EDUCATION AND TRAINING<br>Unjustified growth  | 355,375        | 335,375<br>-20,000             |
| 33E JUNIOR ROTC<br>Program increase<br>Program increase - JROTC STEM training and education  | 69,964         | 76,464<br>5,000<br>1,500       |
| 41A LOGISTICS OPERATIONS   | 1,058,129      | 1,058,129                      |
| 41B TECHNICAL SUPPORT ACTIVITIES   | 139,428        | 139,428                        |
| 42A ADMINISTRATION<br>Unjustified growth - non pay<br>Transfer from RDTE, AF for BA08 software pilot program                         | 1,283,066      | 1,353,558<br>-10,000<br>80,492 |
| 42B SERVICEWIDE COMMUNICATIONS   | 33,222         | 33,222                         |
| 42G OTHER SERVICEWIDE ACTIVITIES<br>Unjustified growth   | 1,790,985      | 1,760,985<br>-30,000           |
| 42I CIVIL AIR PATROL CORPORATION<br>Program increase   | 30,526         | 51,300<br>20,774               |
| 42W DEFENSE ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT  | 42,558         | 42,558                         |
| 44A INTERNATIONAL SUPPORT  | 102,065        | 102,065                        |
| 43A SECURITY PROGRAMS<br>Classified adjustment   | 1,427,764      | 1,425,618<br>-2,146            |

35C

| O-1  | Budget Request    | Final Bill        |
|--|-------------------|-------------------|
| FUEL   |                   | 1,450,000         |
| UNJUSTIFIED GROWTH                                 |                   | -135,000          |
| SQUADRON LEVEL 3-D PRINT CAPABILITIES              |                   | 15,000            |
| HISTORICAL UNOBLIGATED BALANCES                    |                   | -112,500          |
| P.L. 115-68 IMPLEMENTATION                         |                   | 750               |
| <b>TOTAL, OPERATION AND MAINTENANCE, AIR FORCE</b> | <b>58,281,242</b> | <b>60,279,937</b> |

35D

OPERATION AND MAINTENANCE, SPACE FORCE

The agreement provides \$4,086,883,000 for Operation and Maintenance, Space Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 36A

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

| O-1  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| <b>12A GLOBAL C3I &amp; EARLY WARNING</b>  | <b>472,484</b>   | <b>472,484</b>   |
| <b>13A SPACE LAUNCH OPERATIONS</b>   | <b>187,832</b>   | <b>187,832</b>   |
| <b>13C SPACE OPERATIONS</b>  | <b>695,228</b>   | <b>688,228</b>   |
| Program decrease unaccounted for   |                  | -7,000           |
| <b>13E EDUCATION &amp; TRAINING</b>  | <b>153,135</b>   | <b>179,135</b>   |
| Program increase - operational test and training infrastructure -<br>Space Force cyber skills training                           |                  | 11,100           |
| Program increase - operational test and training infrastructure -<br>expand space training courses and capacity                  |                  | 14,900           |
| <b>13F SPECIAL PROGRAMS</b>  | <b>272,941</b>   | <b>278,066</b>   |
| Classified adjustment  |                  | 5,125            |
| <b>13M DEPOT MAINTENANCE</b>   | <b>285,863</b>   | <b>285,863</b>   |
| <b>13R MAINTENANCE OF REAL PROPERTY</b>  | <b>235,253</b>   | <b>293,353</b>   |
| Program increase   |                  | 10,000           |
| Program increase - Cheyenne Mountain Complex   |                  | 20,000           |
| Program increase - for operational test and training infrastructure -<br>upgrade training facilities for security classification |                  | 28,100           |
| <b>13W CONTRACTOR LOGISTICS &amp; SYSTEM SUPPORT</b>   | <b>1,358,565</b> | <b>1,351,565</b> |
| Unjustified growth   |                  | -7,000           |
| <b>13Z BASE SUPPORT</b>  | <b>144,937</b>   | <b>156,937</b>   |
| Program increase - impact of inflation on utility costs  |                  | 12,000           |
| <b>42A ADMINISTRATION</b>  | <b>228,420</b>   | <b>228,420</b>   |
| <b>HISTORICAL UNOBLIGATED BALANCES</b>   |                  | <b>-15,000</b>   |
| <b>FUEL</b>  |                  | <b>10,000</b>    |
| <b>UNJUSTIFIED GROWTH</b>  |                  | <b>-30,000</b>   |
| <b>TOTAL, OPERATION AND MAINTENANCE, SPACE FORCE</b>   | <b>4,034,658</b> | <b>4,086,883</b> |

36A

OPERATION AND MAINTENANCE, DEFENSE-WIDE

The agreement provides \$49,574,779,000 for Operation and Maintenance, Defense-Wide, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

e Insert 37A-E

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

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>1PL1 JOINT CHIEFS OF STAFF</b>   | <b>445,366</b>   | <b>435,366</b>   |
| Historical unobligated balances   |                  | -10,000          |
| <b>8PL1 JOINT CHIEFS OF STAFF - JTEEP</b>   | <b>679,336</b>   | <b>659,336</b>   |
| Historical unobligated balances   |                  | -20,000          |
| <b>8PL2 JOINT CHIEFS OF STAFF - CYBER</b>   | <b>9,887</b>     | <b>9,887</b>     |
| <b>1GTM OFFICE OF THE SECRETARY OF DEFENSE - MISO</b>                             | <b>246,259</b>   | <b>283,759</b>   |
| Program increase - information operations - INDOPACOM UPL                         |                  | 27,500           |
| Program increase - MISO evaluation and transregional assessments                  |                  | 10,000           |
| <b>1PL6 SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES</b>              | <b>2,056,291</b> | <b>2,045,263</b> |
| Classified adjustment   |                  | -5,936           |
| Overestimation of civilian FTE execution  |                  | -5,092           |
| <b>1PLS SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES</b>                      | <b>39,178</b>    | <b>39,178</b>    |
| <b>1PLU SPECIAL OPERATIONS COMMAND INTELLIGENCE</b>                               | <b>1,513,025</b> | <b>1,525,227</b> |
| Program increase - counter unmanned systems (CUxS) procurement acceleration UPL   |                  | 20,888           |
| Overestimation of civilian FTE execution  |                  | -4,152           |
| Inaccurate budget justification for SOF organic ISR                               |                  | -4,534           |
| <b>1PL7 SPECIAL OPERATIONS COMMAND MAINTENANCE</b>                                | <b>1,207,842</b> | <b>1,242,323</b> |
| Historical unobligated balances   |                  | -12,000          |
| SOCOM-requested transfer to RDTE, DW line 261                                     |                  | -5,840           |
| Program increase - combatant craft medium loss refurbishment UPL                  |                  | 4,250            |
| Program increase - counter unmanned systems (CUxS) procurement acceleration UPL   |                  | 5,353            |
| Program increase - multispectral personal signature management                    |                  | 11,268           |
| Program increase- military alpine recce system environmental clothing systems UPL |                  | 36,900           |
| Decrease unaccounted for with final AC-130W divestiture                           |                  | -5,450           |
| <b>1PLM SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS</b>        | <b>196,271</b>   | <b>192,932</b>   |
| Unjustified civilian FTE growth   |                  | -3,339           |
| <b>1PLV SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT</b>                        | <b>1,299,309</b> | <b>1,334,562</b> |
| Unjustified growth - Information Warfare Center                                   |                  | -3,299           |
| Program increase - advana authoritative data management and analytics UPL         |                  | 8,000            |
| Program increase - enterprise data stewardship program UPL                        |                  | 18,000           |
| Program increase - identity management  |                  | 10,900           |
| SOCOM-requested transfer from Theater Forces                                      |                  | 1,652            |

37A

| O-1  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| <b>1PLR SPECIAL OPERATIONS COMMAND THEATER FORCES</b>                                | <b>3,314,770</b> | <b>3,300,489</b> |
| Excess to need - 127e  |                  | -5,000           |
| Program increase - section 1202  |                  | 4,246            |
| Program increase - tactical mission network digital force protection UPL             |                  | 5,711            |
| SOCOM-requested transfer to Operational Support                                      |                  | -1,652           |
| Program increase - subterranean training facility                                    |                  | 10,000           |
| Program increase - non-traditional ISR   |                  | 10,000           |
| SOCOM requested transfer to Navy SAG 1CCM Combatant Commander Direct Mission Support |                  | -12,500          |
| Overestimation of flying hours   |                  | -25,086          |
| <b>3EV2 DEFENSE ACQUISITION UNIVERSITY</b>   | <b>176,454</b>   | <b>186,454</b>   |
| Program increase - acquisition workforce   |                  | 10,000           |
| <b>3PL1 JOINT CHIEFS OF STAFF RECRUITING, AND OTHER TRAINING AND EDUCATION</b>       | <b>101,492</b>   | <b>101,492</b>   |
| <b>3EV8 SPECIAL OPERATIONS COMMAND PROFESSIONAL DEVELOPMENT EDUCATION</b>            | <b>35,279</b>    | <b>35,279</b>    |
| <b>4GT3 CIVIL MILITARY PROGRAMS</b>  | <b>139,656</b>   | <b>284,656</b>   |
| Program increase - National Guard Youth Challenge                                    |                  | 85,000           |
| Program increase - Starbase  |                  | 50,000           |
| Program increase - Innovative Readiness Training                                     |                  | 10,000           |
| <b>4GT6 DEFENSE CONTRACT AUDIT AGENCY</b>  | <b>646,072</b>   | <b>656,072</b>   |
| Program increase - defense contract audit  |                  | 20,000           |
| Program decrease unaccounted for   |                  | -10,000          |
| <b>4GDC DEFENSE CONTRACT AUDIT AGENCY - CYBER</b>                                    | <b>4,107</b>     | <b>4,107</b>     |
| <b>4GTO DEFENSE CONTRACT MANAGEMENT AGENCY</b>                                       | <b>1,506,300</b> | <b>1,506,300</b> |
| Program increase - defense contract management                                       |                  | 5,000            |
| Historical unobligated balances  |                  | -5,000           |
| <b>4GTP DEFENSE CONTRACT MANAGEMENT AGENCY - CYBER</b>                               | <b>29,127</b>    | <b>29,127</b>    |
| <b>4GTE DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY</b>                          | <b>983,133</b>   | <b>998,133</b>   |
| Program increase - joint cyber intelligence tool suite                               |                  | 15,000           |
| <b>4GTG DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY - CYBER</b>                  | <b>10,245</b>    | <b>10,245</b>    |

37B

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>4GT8 DEFENSE HUMAN RESOURCES ACTIVITY</b>  | <b>935,241</b>   | <b>1,046,241</b> |
| Program increase - DLNSEO   |                  | 22,000           |
| Program increase - Language Flagship program  |                  | 6,000            |
| Program increase - Special Victims' Counsel   |                  | 47,000           |
| Program increase - Beyond Yellow Ribbon   |                  | 25,000           |
| Program increase - Defense Language Training Centers                                |                  | 20,000           |
| Unjustified growth  |                  | -9,000           |
| <b>4GSE DEFENSE HUMAN RESOURCES ACTIVITY - CYBER</b>                                | <b>26,113</b>    | <b>26,113</b>    |
| <b>4GT9 DEFENSE INFORMATION SYSTEMS AGENCY</b>                                      | <b>2,266,729</b> | <b>2,251,729</b> |
| Program increase - Army-led interagency critical infrastructure protection training |                  | 2,000            |
| Program decrease unaccounted for  |                  | -17,000          |
| <b>4GU9 DEFENSE INFORMATION SYSTEMS AGENCY - CYBER</b>                              | <b>643,643</b>   | <b>658,643</b>   |
| Program increase - UVDS Korea   |                  | 5,000            |
| Program increase - JFHQ-DODIN   |                  | 10,000           |
| <b>4GTA DEFENSE LEGAL SERVICES AGENCY</b>   | <b>233,687</b>   | <b>233,687</b>   |
| <b>4GTB DEFENSE LOGISTICS AGENCY</b>  | <b>429,060</b>   | <b>439,432</b>   |
| Program increase - Global Water Security Center                                     |                  | 2,500            |
| Program increase - titanium stockpile   |                  | 20,000           |
| Program increase - child development center employee discount                       |                  | 372              |
| Historical unobligated balances   |                  | -12,500          |
| <b>ES18 DEFENSE MEDIA ACTIVITY</b>  | <b>243,631</b>   | <b>245,631</b>   |
| Program increase - public web program   |                  | 5,000            |
| Historical unobligated balances   |                  | -3,000           |
| <b>4GTC DEFENSE PERSONNEL ACCOUNTING AGENCY</b>                                     | <b>150,021</b>   | <b>150,021</b>   |

37C

|   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>4GTD DEFENSE SECURITY COOPERATION AGENCY</b>   | <b>2,445,669</b> | <b>2,467,009</b> |
| Program increase - International Security Cooperation Programs - AFRICOM  |                  | 22,396           |
| Program increase - International Security Cooperation Programs - CENTCOM - Jordan   |                  | 4,518            |
| Program increase - International Security Cooperation Programs - EUCOM - Baltic Security Initiative                           |                  | 69,480           |
| Program increase - International Security Cooperation Programs - EUCOM - Bulgaria   |                  | 18,102           |
| Program increase - International Security Cooperation Programs - EUCOM - Georgia  |                  | 23,720           |
| Program increase - International Security Cooperation Programs - EUCOM - Poland   |                  | 27,342           |
| Program increase - International Security Cooperation Programs - EUCOM - Romania  |                  | 17,387           |
| Program increase - International Security Cooperation Programs - NORTHCOM - Bahamas   |                  | 7,000            |
| Program increase - International Security Cooperation Programs - SOUTHCOM   |                  | 32,244           |
| Program increase - International Security Cooperation Programs - Ministry of Defense Advisors Program – Iraq/Northern Affairs |                  | 410              |
| Program decrease - International Security Cooperation Programs - CENTCOM  |                  | -70,000          |
| Program decrease - International Security Cooperation Programs - CENTCOM  |                  | -806             |
| Program decrease - International Security Cooperation Programs - INDOPACOM - Sri Lanka  |                  | -19,453          |
| Program decrease - unjustified growth - International Security Cooperation Programs - Institutional Capacity Building         |                  | -15,000          |
| Program increase - Center for Arctic Security Studies   |                  | 4,000            |
| Program increase - Irregular Warfare Functional Center  |                  | 10,000           |
| Program increase - Regional Centers   |                  | 5,000            |
| Program decrease - Coalition Support Funds  |                  | -5,000           |
| Program decrease - Border Security  |                  | -110,000         |
| <b>4GTH DEFENSE TECHNOLOGY SECURITY ADMINISTRATION</b>  | <b>40,063</b>    | <b>42,063</b>    |
| Program increase  |                  | 2,000            |
| <b>4GTI DEFENSE THREAT REDUCTION AGENCY</b>   | <b>941,763</b>   | <b>921,763</b>   |
| Historical unobligated balances   |                  | -20,000          |
| <b>4GTL DEFENSE THREAT REDUCTION AGENCY - CYBER</b>   | <b>56,052</b>    | <b>56,052</b>    |
| <b>4GTJ DEPARTMENT OF DEFENSE EDUCATION ACTIVITY</b>  | <b>3,276,276</b> | <b>3,391,276</b> |
| Program increase - World Language grants  |                  | 15,000           |
| Program increase - Impact Aid   |                  | 60,000           |
| Program increase - Impact Aid for children with disabilities  |                  | 20,000           |
| Program increase - Impact Aid for large scale rebasing program  |                  | 15,000           |
| Program increase - military spouse pilot program  |                  | 5,000            |

| O-1   | Budget Request    | Final Bill        |
|---|-------------------|-------------------|
| <b>4GTM OFFICE OF LOCAL DEFENSE COMMUNITY COOPERATION</b>                 | <b>108,697</b>    | <b>193,697</b>    |
| Program increase - Defense Community Infrastructure Program               |                   | 50,000            |
| Program increase - Defense Manufacturing Community Support Program        |                   | 30,000            |
| Program increase - industry diversification                               |                   | 5,000             |
| <b>4GTN OFFICE OF THE SECRETARY OF DEFENSE</b>                            | <b>2,239,072</b>  | <b>2,369,871</b>  |
| Program increase - Readiness Environmental Protection Initiative          |                   | 8,281             |
| Program increase - Legacy Resources Management Program                    |                   | 5,000             |
| Program increase - Native American Lands Environmental Mitigation Program |                   | 8,000             |
| Program increase - Procurement Technical Assistance Program               |                   | 28,918            |
| Program increase - recycling pilot  |                   | 3,600             |
| Program increase - OSD Commissions  |                   | 30,000            |
| Program increase - Ronald V. Dellums Memorial Fellowship                  |                   | 5,000             |
| Program increase - CDC water contamination study and assessment           |                   | 20,000            |
| Program increase - digital personal protection program                    |                   | 5,000             |
| Program increase - childcare waitlist                                     |                   | 10,000            |
| Program increase - Vietnam MIA program                                    |                   | 2,000             |
| Program increase - increasing access to digital talent                    |                   | 50,000            |
| Unjustified growth - non pay  |                   | -45,000           |
| <b>4GTC OFFICE OF THE SECRETARY OF DEFENSE- CYBER</b>                     | <b>55,255</b>     | <b>55,255</b>     |
| <b>011A MISSILE DEFENSE AGENCY</b>  | <b>541,787</b>    | <b>541,787</b>    |
| <b>4GTQ WASHINGTON HEADQUARTERS SERVICES</b>                              | <b>369,943</b>    | <b>364,943</b>    |
| Historical unobligated balances   |                   | -5,000            |
| <b>999 OTHER PROGRAMS</b>   | <b>18,836,915</b> | <b>19,085,529</b> |
| Classified adjustment   |                   | 248,614           |
| <b>FUEL - SOCOM</b>   |                   | <b>95,000</b>     |
| <b>CIVILIAN HARM MITIGATION AND RESPONSE ACTION PLAN</b>                  |                   | <b>41,750</b>     |
| <b>VIETNAM DIOXIN REMEDIATION</b>   |                   | <b>15,000</b>     |
| <b>P.L. 115-68 IMPLEMENTATION</b>   |                   | <b>2,100</b>      |
| <b>TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE</b>                     | <b>48,479,016</b> | <b>49,574,779</b> |

#### QUARTERLY REPORTS ON GUANTANAMO BAY DETENTION FACILITY

The agreement directs the Secretary of Defense to submit a report to the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act, and quarterly thereafter, on the current number of detainees at the Guantanamo Bay detention facility; their legal status; a description of all Department of Defense costs associated with the facility during the last two fiscal years by program, account, and activity; and the status of funds for the current fiscal year. This language replaces the language under the heading “Guantanamo Bay Detention Facility” in House Report 117-388.

#### DEFENSE LANGUAGE AND NATIONAL SECURITY EDUCATION OFFICE

The agreement designates the funding included in the fiscal year 2023 President's budget request for the Language Training Centers as a congressional special interest item and directs that the funding profiles for the Language Training Centers and the Language Flagship Program 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 budget submissions.

#### PER DIEM RATES OUTSIDE OF THE CONTINENTAL UNITED STATES

The agreement directs a designee of the Secretary of Defense to brief the House and Senate Appropriations Committees not later than 90 days after the enactment of this Act on how the Department will mitigate any impacts resulting from outside of the continental United States per diem rates that fall well below market rates in between normal rate review cycles.

#### ENHANCING THE CAPABILITY OF MILITARY CRIMINAL INVESTIGATIVE ORGANIZATIONS TO PREVENT AND COMBAT CHILD SEXUAL EXPLOITATION

The Secretary of Defense is directed to provide a report to the House and Senate Appropriations Committees, not later than 30 days after the enactment of this Act, regarding an update on 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: establishing cooperative agreements and co-training with the relevant federal, state, local, and other law enforcement agencies; integrating child protective services and organizations into the initiative; and

implementing recommendations made in the Government Accountability Office's report titled "Increased Guidance and Collaboration Needed to Improve DoD's Tracking and Response to Child Abuse" (GAO-20-110).

#### GREENHOUSE GAS EMISSIONS REPORT

In lieu of related items directed in House Report 117-388, the agreement directs the Secretary of Defense to provide the briefings requested under the heading "Climate Change Report and Adaptation Roadmap, Greenhouse Gas Emissions Report and Fossil Fuels" in Division C of the explanatory statement accompanying the Consolidated Appropriations Act, 2022 (Public Law 117-103).

#### DEFENSE SECURITY COOPERATION AGENCY PROGRAMS

The agreement directs the Secretary of Defense to brief the House and Senate Appropriations Committees 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. The agreement also directs the Secretary of Defense to brief the House and Senate Appropriations Committees not later than 90 days after the enactment of this Act on the transition of the Office of Security Cooperation-Iraq to a security cooperation office by the end of fiscal year 2023.

The agreement directs the Secretary of Defense to brief the House and Senate Appropriations Committees not later than 90 days after the enactment of this Act on efforts to make security cooperation programs more integrated and strategic, including through the Significant Security Cooperation Initiative.

The agreement supports international security cooperation programs with partner countries and continues language requiring the Secretary of Defense to notify the congressional defense committees in writing not less than 15 days prior to the obligation of funds. The agreement notes with concern delays in the obligation, expenditure, and execution of International Security Cooperation Programs and directs the Director of the Defense Security Cooperation Agency to review the implementation timelines for such programs. The agreement further directs the Director to provide a briefing to the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act on this review and ways to effectively utilize the period of availability of funding for these programs consistent with congressional review and oversight requirements.

The agreement directs the Secretary of Defense to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on the Department's multi-year goals and objectives for the border security program. The agreement also directs the Secretary to consult with the House and Senate Appropriations Committees not later than 45 days after the enactment of this Act on options to increase the predictability of reimburse amounts for enhanced border security.

The agreement provides funding for international security cooperation programs with Central Asian countries to increase border security and counter terrorist threats emanating from Afghanistan by utilizing certain aircraft taken out of that country. The Secretary of Defense shall consult with the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act on the disposition of these aircraft and the costs of various courses of action associated with a phased introduction of some of them to partner countries. Furthermore, the Secretary of Defense shall submit a report to the congressional defense committees not later than 120 days after the enactment of this Act on the goals and milestones for each program, information on host nations capabilities and planned contributions, any agreements and commitments made by host governments, plans to ensure the graduation and sustainability of these programs, and information on how these programs will be integrated with related programs.

The agreement directs the Secretary of Defense to provide a briefing to the House and Senate Appropriations Committees not later than 30 days after the enactment of this Act on the execution plan for the establishment of a Department of Defense Irregular Warfare Functional Center.

#### CIVILIAN HARM MITIGATION AND RESPONSE

The agreement supports reforms to avoid, mitigate, and respond to civilian harm and provides \$41,750,000 to implement the Department of Defense's Civilian Harm Mitigation and Response Action Plan. The Secretary of Defense shall submit a spend plan on the proposed use of funds to the House and Senate Appropriations Committees not later than 45 days after the enactment of this Act.

The agreement 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).

## COUNTER-ISIS TRAIN AND EQUIP FUND

The agreement provides \$475,000,000 for Counter-ISIS Train and Equip Fund, as follows:

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

|   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>Iraq Train and Equip</b>                     | <b>358,015</b> | <b>315,000</b> |
| Historical unobligated balances                 |                | -43,015        |
| <b>Syria Train and Equip</b>                    | <b>183,677</b> | <b>160,000</b> |
| Historical unobligated balances                 |                | -23,677        |
| <b>TOTAL, COUNTER-ISIS TRAIN AND EQUIP FUND</b> | <b>541,692</b> | <b>475,000</b> |

The agreement continues support funds under this heading for the Iraqi Security Forces, Kurdish Peshmerga, and the Syrian Democratic Forces (SDF) to participate in activities to counter the Islamic State of Iraq and Syria (ISIS). The agreement also continues the requirement that the Secretary of Defense ensure elements are appropriately vetted and receiving commitments from them to promote respect for human rights and the rule of law.

The agreement directs that congressional notifications for funds provided under this heading include a description of the amount, type, and purpose of assistance to be funded, and the recipient of the assistance; the budget and implementation timeline, with anticipated delivery schedule for assistance; and a description of any material misuse of assistance since the last notification was submitted, along with a description of any remedies taken.

The agreement directs the Secretary of Defense to consult with the House and Senate Appropriations Committees prior to submitting any notification that includes fortification or construction for detention facilities or internally displaced persons camps and prohibits the use of funds under this heading for any other construction activity. The agreement also directs that such notifications include detailed information on the scope of proposed projects and contributions from foreign governments. The liberation of ISIS controlled territory has left the SDF holding thousands of hardened foreign fighters and their families under challenging conditions. Accordingly, the agreement directs the Secretary of Defense to continue to engage with the SDF on these matters, including to ensure that detainees are afforded all protections due under the Geneva Conventions.

OPERATION AND MAINTENANCE, ARMY RESERVE

The agreement provides \$3,206,434,000 for Operation and Maintenance, Army Reserve, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

e Insert 42A

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

| O-1  | Budget Request   | Final Bill         |
|--|------------------|--------------------|
| 112 MODULAR SUPPORT BRIGADES   | 14,404           | 14,404             |
| 113 ECHELONS ABOVE BRIGADES<br>Unjustified growth                                      | 662,104          | 632,104<br>-30,000 |
| 114 THEATER LEVEL ASSETS<br>Unjustified growth   | 133,599          | 131,599<br>-2,000  |
| 115 LAND FORCES OPERATIONS SUPPORT<br>Unjustified growth                               | 646,693          | 638,693<br>-8,000  |
| 116 AVIATION ASSETS  | 128,883          | 128,883            |
| 121 FORCES READINESS OPERATIONS SUPPORT  | 409,994          | 409,994            |
| 122 LAND FORCES SYSTEM READINESS<br>Program decrease unaccounted for                   | 90,595           | 88,595<br>-2,000   |
| 123 LAND FORCES DEPOT MAINTENANCE  | 44,453           | 44,453             |
| 131 BASE OPERATIONS SUPPORT<br>Program increase - impact of inflation on utility costs | 567,170          | 569,100<br>1,930   |
| 132 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION<br>Program increase            | 358,772          | 383,772<br>25,000  |
| 133 MANAGEMENT AND OPERATIONAL HEADQUARTERS  | 22,112           | 22,112             |
| 151 CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS                                      | 2,929            | 2,929              |
| 153 CYBERSPACE ACTIVITIES - CYBERSECURITY  | 7,382            | 7,382              |
| 421 SERVICEWIDE TRANSPORTATION   | 18,994           | 18,994             |
| 431 ADMINISTRATION   | 20,670           | 20,670             |
| 432 SERVICEWIDE COMMUNICATIONS   | 31,652           | 31,652             |
| 433 MANPOWER MANAGEMENT  | 6,852            | 6,852              |
| 434 OTHER PERSONNEL SUPPORT  | 61,246           | 61,246             |
| HISTORICAL UNOBLIGATED BALANCES  |                  | -9,000             |
| TRAUMA TRAINING  |                  | 2,000              |
| UNJUSTIFIED GROWTH   |                  | -10,000            |
| FUEL   |                  | 10,000             |
| <b>TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE</b>                                  | <b>3,228,504</b> | <b>3,206,434</b>   |

42A

OPERATION AND MAINTENANCE, NAVY RESERVE

The agreement provides \$1,278,050,000 for Operation and Maintenance, Navy Reserve, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 43A

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

| O-1  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| <b>1A1A MISSION AND OTHER FLIGHT OPERATIONS</b>          | 669,533          | 666,033          |
| Unjustified growth                                       |                  | -3,500           |
| <b>1A3A INTERMEDIATE MAINTENANCE</b>                     | 11,134           | 11,134           |
| <b>1A5A AIRCRAFT DEPOT MAINTENANCE</b>                   | 164,892          | 161,392          |
| Program decrease unaccounted for                         |                  | -3,500           |
| <b>1A6A AIRCRAFT DEPOT OPERATIONS SUPPORT</b>            | 494              | 494              |
| <b>1A9A AVIATION LOGISTICS</b>                           | 25,843           | 25,843           |
| <b>1C1C COMBAT COMMUNICATIONS</b>                        | 20,135           | 20,135           |
| <b>1C6C COMBAT SUPPORT FORCES</b>                        | 131,104          | 131,104          |
| <b>1CCY CYBERSPACE ACTIVITIES</b>                        | 289              | 289              |
| <b>BSIT ENTERPRISE INFORMATION TECHNOLOGY</b>            | 27,189           | 27,189           |
| <b>BSMR SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b> | 44,784           | 49,784           |
| Program increase   |                  | 5,000            |
| <b>BSSR BASE OPERATING SUPPORT</b>                       | 116,374          | 116,374          |
| <b>4A1M ADMINISTRATION</b>                               | 1,986            | 1,986            |
| <b>4A4M MILITARY MANPOWER &amp; PERSONNEL</b>            | 12,550           | 12,550           |
| <b>4B3N ACQUISITION AND PROGRAM MANAGEMENT</b>           | 1,993            | 1,993            |
| HISTORICAL UNOBLIGATED BALANCES                          |                  | -3,500           |
| TRAUMA TRAINING  |                  | 2,000            |
| UNJUSTIFIED GROWTH                                       |                  | -1,750           |
| FUEL   |                  | 53,000           |
| IMPACT OF INFLATION ON UTILITY COSTS                     |                  | 2,000            |
| <b>TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE</b>    | <b>1,228,300</b> | <b>1,278,050</b> |

43A

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

The agreement provides \$347.633,000 for Operation and Maintenance, Marine Corps Reserve,  
as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 44A

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

| O-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>1A1A OPERATING FORCES</b>  | <b>109,045</b> | <b>145,045</b> |
| Program increase - cold weather clothing, combat clothing and equipment |                | 37,500         |
| Unjustified growth  |                | -1,500         |
| <b>1A3A DEPOT MAINTENANCE</b>   | <b>19,361</b>  | <b>19,361</b>  |
| <b>BSM1 SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>                | <b>45,430</b>  | <b>50,430</b>  |
| Program increase  |                | 5,000          |
| <b>BSS1 BASE OPERATING SUPPORT</b>                                      | <b>118,364</b> | <b>117,264</b> |
| Program decrease unaccounted for  |                | -1,100         |
| <b>4A4G ADMINISTRATION</b>  | <b>12,033</b>  | <b>12,033</b>  |
| HISTORICAL UNOBLIGATED BALANCES   |                | -1,500         |
| IMPACT OF INFLATION ON UTILITY COSTS                                    |                | 2,000          |
| TRAUMA TRAINING   |                | 2,000          |
| FUEL  |                | 1,000          |
| <b>TOTAL, OPERATION &amp; MAINTENANCE, MARINE CORPS RESERVE</b>         | <b>304,233</b> | <b>347,633</b> |

44A

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

The agreement provides \$3,700,800,000 for Operation and Maintenance, Air Force Reserve, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 45A

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

| O-1  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| <b>11A PRIMARY COMBAT FORCES</b>                                   | <b>1,743,908</b> | <b>1,723,908</b> |
| Unjustified growth   |                  | -20,000          |
| <b>11G MISSION SUPPORT OPERATIONS</b>                              | <b>193,568</b>   | <b>188,568</b>   |
| Unjustified growth   |                  | -5,000           |
| <b>11M DEPOT PURCHASE EQUIPMENT MAINTENANCE</b>                    | <b>493,664</b>   | <b>493,664</b>   |
| Unjustified growth   |                  | -10,000          |
| Program increase - weapon system sustainment                       |                  | 10,000           |
| <b>11R FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b> | <b>133,782</b>   | <b>143,782</b>   |
| Program increase   |                  | 10,000           |
| <b>11W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</b>         | <b>341,724</b>   | <b>341,724</b>   |
| <b>11Z BASE OPERATING SUPPORT</b>                                  | <b>522,195</b>   | <b>522,951</b>   |
| Program increase - impact of inflation on utility costs            |                  | 3,256            |
| Unjustified growth   |                  | -2,500           |
| <b>12D CYBERSPACE ACTIVITIES</b>                                   | <b>1,706</b>     | <b>6,706</b>     |
| Program increase - automated security validation system            |                  | 5,000            |
| <b>42A ADMINISTRATION</b>  | <b>102,038</b>   | <b>102,038</b>   |
| <b>42J RECRUITING AND ADVERTISING</b>                              | <b>9,057</b>     | <b>9,057</b>     |
| <b>42K MILITARY MANPOWER AND PERSONNEL MANAGEMENT</b>              | <b>14,896</b>    | <b>14,896</b>    |
| <b>42L OTHER PERSONNEL SUPPORT</b>                                 | <b>7,544</b>     | <b>7,544</b>     |
| <b>42M AUDIOVISUAL</b>   | <b>462</b>       | <b>462</b>       |
| <b>HISTORICAL UNOBLIGATED BALANCES</b>                             |                  | <b>-12,500</b>   |
| <b>TRAUMA TRAINING</b>   |                  | <b>2,000</b>     |
| <b>FUEL</b>  |                  | <b>156,000</b>   |
| <b>TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE</b>         | <b>3,564,544</b> | <b>3,700,800</b> |

45A

HOMESTEAD AIR RESERVE BASE

The Secretary of the Air Force is directed 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

The agreement provides \$8,299,187,000 for Operation and Maintenance, Army National Guard,  
as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 47A-B

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

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>111 MANEUVER UNITS</b>   | <b>964,237</b>   | <b>960,737</b>   |
| Program increase - Northern Strike  |                  | 11,500           |
| Unjustified growth  |                  | -15,000          |
| <b>112 MODULAR SUPPORT BRIGADES</b>   | <b>214,191</b>   | <b>214,191</b>   |
| <b>113 ECHELONS ABOVE BRIGADE</b>   | <b>820,752</b>   | <b>820,752</b>   |
| <b>114 THEATER LEVEL ASSETS</b>   | <b>97,184</b>    | <b>97,184</b>    |
| <b>115 LAND FORCES OPERATIONS SUPPORT</b>                                     | <b>54,595</b>    | <b>52,595</b>    |
| Unjustified growth  |                  | -2,000           |
| <b>116 AVIATION ASSETS</b>  | <b>1,169,826</b> | <b>1,160,826</b> |
| Unjustified growth  |                  | -9,000           |
| <b>121 FORCE READINESS OPERATIONS SUPPORT</b>                                 | <b>722,788</b>   | <b>720,038</b>   |
| 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            |
| Program decrease unaccounted for  |                  | -9,000           |
| <b>122 LAND FORCES SYSTEMS READINESS</b>                                      | <b>46,580</b>    | <b>46,580</b>    |
| <b>123 LAND FORCES DEPOT MAINTENANCE</b>                                      | <b>259,765</b>   | <b>259,765</b>   |
| <b>131 BASE OPERATIONS SUPPORT</b>  | <b>1,151,215</b> | <b>1,154,415</b> |
| Program increase - impact of inflation on utility costs                       |                  | 8,200            |
| Unjustified growth  |                  | -5,000           |
| <b>132 FACILITIES SUSTAINMENT, RESTORATION &amp; MODERNIZATION</b>            | <b>1,053,996</b> | <b>1,128,996</b> |
| Program increase  |                  | 75,000           |
| <b>133 MANAGEMENT AND OPERATIONAL HEADQUARTERS</b>                            | <b>1,148,286</b> | <b>1,161,586</b> |
| Program increase - mental health providers                                    |                  | 7,300            |
| Program increase - Star behavioral health program                             |                  | 6,000            |
| <b>151 CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS</b>                      | <b>8,715</b>     | <b>8,715</b>     |
| <b>153 CYBERSPACE ACTIVITIES - CYBERSECURITY</b>                              | <b>8,307</b>     | <b>8,307</b>     |
| <b>421 SERVICEWIDE TRANSPORTATION</b>   | <b>6,961</b>     | <b>6,961</b>     |
| <b>431 ADMINISTRATION</b>   | <b>73,641</b>    | <b>81,841</b>    |
| Program increase - State Partnership Program                                  |                  | 8,200            |

(47A)

| O-1  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| 432 SERVICEWIDE COMMUNICATIONS                                     | 100,389          | 100,389          |
| 433 MANPOWER MANAGEMENT  | 9,231            | 9,231            |
| 434 OTHER PERSONNEL SUPPORT  | 243,491          | 323,491          |
| Program increase - Army National Guard marketing and advertising   |                  | 80,000           |
| 437 REAL ESTATE MANAGEMENT   | 3,087            | 3,087            |
| HISTORICAL UNOBLIGATED BALANCES                                    |                  | -27,000          |
| TRAUMA TRAINING  |                  | 3,000            |
| UNJUSTIFIED GROWTH   |                  | -42,500          |
| FUEL   |                  | 46,000           |
| <b>TOTAL, OPERATION &amp; MAINTENANCE, ARMY NATIONAL<br/>GUARD</b> | <b>8,157,237</b> | <b>8,299,187</b> |

47B

OPERATION AND MAINTENANCE. AIR NATIONAL GUARD

The agreement provides \$7,382,079,000 for Operation and Maintenance, Air National Guard, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 48A-B

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

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>11F AIRCRAFT OPERATIONS</b>  | <b>2,301,784</b> | <b>2,389,984</b> |
| Program increase - Northern Strike  |                  | 1,000            |
| Program increase - optimization of the human weapons system                               |                  | 5,000            |
| Program increase - combat readiness training centers                                      |                  | 3,500            |
| Transfer from National Guard Personnel, Air Force for full time support                   |                  | 86,700           |
| Unjustified growth  |                  | -8,000           |
| <b>11G MISSION SUPPORT OPERATIONS</b>   | <b>587,793</b>   | <b>637,293</b>   |
| Program increase - State Partnership Program  |                  | 5,100            |
| Program increase - ANG JTAC contractor support  |                  | 8,000            |
| Program increase - advanced trauma and public health direct training services             |                  | 3,800            |
| Program increase - mental health providers  |                  | 2,000            |
| Program increase - combat readiness training centers                                      |                  | 1,200            |
| Program increase - warrior resiliency and fitness   |                  | 2,000            |
| Program increase - wildfire training  |                  | 1,500            |
| Program increase - tuition assistance   |                  | 4,000            |
| Transfer from National Guard Personnel, Air Force for full time support                   |                  | 24,600           |
| Transfer to OP,AF line 9  |                  | -2,700           |
| <b>11M DEPOT PURCHASE EQUIPMENT MAINTENANCE</b>   | <b>1,193,699</b> | <b>1,136,999</b> |
| Program increase - KC-135   |                  | 8,000            |
| Program increase - weapon system sustainment  |                  | 15,000           |
| Program decrease unaccounted for  |                  | -30,000          |
| Transfer Air National Guard-requested transfer to SAG 11W for weapon system sustainment   |                  | -49,700          |
| <b>11R REAL PROPERTY MAINTENANCE</b>  | <b>437,042</b>   | <b>532,442</b>   |
| Program increase  |                  | 25,000           |
| Program increase - emergency operations facilities at joint use airports                  |                  | 5,000            |
| Program increase - runway renovation projects   |                  | 32,000           |
| Program increase - facility enhancements for future foreign military training sites       |                  | 18,000           |
| Program increase - PFAS environmental activities  |                  | 15,400           |
| <b>11W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT</b>                                | <b>1,284,264</b> | <b>1,311,964</b> |
| Program decrease unaccounted for  |                  | -22,000          |
| Transfer Air National Guard-requested transfer from SAG 11M for weapon system sustainment |                  | 49,700           |
| <b>11Z BASE OPERATING SUPPORT</b>   | <b>967,169</b>   | <b>996,469</b>   |
| Program increase - MQ-9 dissemination hub   |                  | 2,400            |
| Program increase - combat readiness training centers                                      |                  | 500              |
| Program increase - impact of inflation on utility costs                                   |                  | 13,000           |
| Transfer National Guard Personnel, Air Force for full time support                        |                  | 13,400           |
| <b>11V CYBERSPACE SUSTAINMENT</b>   | <b>12,661</b>    | <b>12,661</b>    |

48A

| O-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>12D CYBERSPACE ACTIVITIES</b>  | <b>15,886</b>    | <b>15,886</b>    |
| <b>42A ADMINISTRATION</b>   | <b>52,075</b>    | <b>61,075</b>    |
| Transfer from National Guard Personnel, Air Force for full time support |                  | 9,000            |
| <b>42J RECRUITING AND ADVERTISING</b>                                   | <b>48,306</b>    | <b>98,306</b>    |
| Program increase - Air National Guard marketing and advertising         |                  | 50,000           |
| <b>TRAUMA TRAINING</b>  |                  | <b>3,000</b>     |
| <b>HISTORICAL UNOBLIGATED BALANCES</b>                                  |                  | <b>-15,000</b>   |
| <b>UNJUSTIFIED GROWTH</b>   |                  | <b>-5,000</b>    |
| <b>FUEL</b>   |                  | <b>206,000</b>   |
| <b>TOTAL, OPERATION &amp; MAINTENANCE, AIR NATIONAL GUARD</b>           | <b>6,900,679</b> | <b>7,382,079</b> |

(48B)

## UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES

The agreement provides \$16,003,000 for the United States Court of Appeals for the Armed Forces.

### ENVIRONMENTAL RESTORATION, ARMY

The agreement provides \$324,500,000, an increase of \$128,256,000 above the fiscal year 2023 President's budget request, for Environmental Restoration, Army. Specifically, \$86,256,000 is provided as a general program increase, \$40,000,000 is provided for the Army and Army National Guard to address costs associated with remediating contamination caused by per- and polyfluoroalkyl substances, and \$2,000,000 is provided for Restoration Advisory Boards.

### ENVIRONMENTAL RESTORATION, NAVY

The agreement provides \$400,113,000, an increase of \$40,765,000 above the fiscal year 2023 President's budget request, for Environmental Restoration, Navy. Specifically, \$30,765,000 is provided as a general program increase and \$10,000,000 is provided to address costs associated with remediating contamination caused by per- and polyfluoroalkyl substances.

### ENVIRONMENTAL RESTORATION, AIR FORCE

The agreement provides \$573,810,000, an increase of \$259,336,000 above the fiscal year 2023 President's budget request, for Environmental Restoration, Air Force. Specifically, \$124,336,000 is provided as a general program increase. \$133,000,000 is provided 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 is provided for Restoration Advisory Boards.

### ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

The agreement provides \$10,979,000, an increase of \$2,055,000 above the fiscal year 2023 President's budget request, for Environmental Restoration, Defense-Wide.

ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

The agreement provides \$317,580,000, an increase of \$90,318,000 above the fiscal year 2023 President's budget request, for Environmental Restoration, Formerly Used Defense Sites. Specifically, \$65,318,000 is provided as a general program increase, \$20,000,000 is provided for the Military Munitions Response Program, and \$5,000,000 is provided to address costs associated with remediating contamination caused by per- and polyfluoroalkyl substances.

OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

The agreement provides \$170,000,000 for Overseas Humanitarian, Disaster, and Civic Aid, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

|  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>FOREIGN DISASTER RELIEF</b>                               | <b>20,000</b>  | <b>25,000</b>  |
| Program increase   |                | 5,000          |
| <b>HUMANITARIAN ASSISTANCE</b>                               | <b>77,800</b>  | <b>120,000</b> |
| Program increase   |                | 42,200         |
| <b>HUMANITARIAN MINE ACTION PROGRAM</b>                      | <b>15,000</b>  | <b>25,000</b>  |
| Program increase   |                | 10,000         |
| <b>TOTAL, OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</b> | <b>112,800</b> | <b>170,000</b> |

**COOPERATIVE THREAT REDUCTION ACCOUNT**

The agreement provides \$351,598,000 for the Cooperative Threat Reduction Account, as follows:

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

|  | <b>Budget Request</b> | <b>Final Bill</b> |
|--|-----------------------|-------------------|
| Strategic Offensive Arms Elimination                   | 6,859                 | 6,859             |
| Chemical Weapons Destruction                           | 14,998                | 14,998            |
| Global Nuclear Security                                | 18,088                | 18,088            |
| Biological Threat Reduction Program                    | 225,000               | 235,000           |
| Program increase - Biological Threat Reduction Program |                       | 10,000            |
| Proliferation Prevention Program                       | 45,890                | 45,890            |
| Other Assessments/Admin Costs                          | 30,763                | 30,763            |
| <b>TOTAL, COOPERATIVE THREAT REDUCTION ACCOUNT</b>     | <b>341,598</b>        | <b>351,598</b>    |

**DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT**

The agreement provides \$111,791,000 for the Department of Defense Acquisition Workforce Development Account, as follows:

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

|  | <b>Budget Request</b> | <b>Final Bill</b> |
|--|-----------------------|-------------------|
| <b>Recruiting and Hiring</b>                                       | <b>1,444</b>          | <b>4,444</b>      |
| Program increase - diversity STEM talent development               |                       | 3,000             |
| <b>Training and Development</b>                                    | <b>50,952</b>         | <b>50,952</b>     |
| <b>Retention and Recognition</b>                                   | <b>1,395</b>          | <b>1,395</b>      |
| <b>UNDIST - Program increase - Defense Civilian Training Corps</b> | <b>0</b>              | <b>50,000</b>     |
| <b>UNDIST - Program increase - congressional mandates</b>          | <b>0</b>              | <b>5,000</b>      |
| <b>TOTAL, DOD ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT</b>        | <b>53,791</b>         | <b>111,791</b>    |

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE REPORTING REQUIREMENTS

The Under Secretary of Defense for Acquisition and Sustainment is directed 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. Further, as in previous years, the Under Secretary of Defense for 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 years’ submissions.

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT REPROGRAMMING REQUIREMENTS

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 joint explanatory statement. The dollar threshold for reprogramming DAWDA funds remains \$10,000,000.

**TITLE III – PROCUREMENT**

The agreement provides \$162,241,330,000 in Title III, Procurement, as follows:

~~(INSERT PROCUREMENT SUMMARY TABLE)~~

Insert 53A

(DOLLARS IN THOUSANDS)

|   | BUDGET<br>REQUEST | FINAL<br>BILL |
|---|-------------------|---------------|
| -----                                     |                   |               |
| SUMMARY                                   |                   |               |
| ARMY                                      |                   |               |
| AIRCRAFT.....                             | 2,849,655         | 3,847,834     |
| MISSILES.....                             | 3,761,915         | 3,848,853     |
| WEAPONS AND TRACKED COMBAT VEHICLES.....  | 3,576,030         | 4,505,157     |
| AMMUNITION.....                           | 2,639,051         | 2,770,120     |
| OTHER.....                                | 8,457,509         | 8,668,148     |
| TOTAL, ARMY.....                          | 21,284,160        | 23,640,112    |
| NAVY                                      |                   |               |
| AIRCRAFT.....                             | 16,848,428        | 19,031,864    |
| WEAPONS.....                              | 4,738,705         | 4,823,113     |
| AMMUNITION.....                           | 1,052,292         | 920,884       |
| SHIPS.....                                | 27,917,854        | 31,955,124    |
| OTHER.....                                | 11,746,503        | 12,138,590    |
| MARINE CORPS.....                         | 3,681,506         | 3,669,510     |
| TOTAL, NAVY.....                          | 65,985,288        | 72,539,085    |
| AIR FORCE                                 |                   |               |
| AIRCRAFT.....                             | 18,517,428        | 22,196,175    |
| MISSILES.....                             | 2,962,417         | 2,999,346     |
| AMMUNITION.....                           | 903,630           | 857,722       |
| OTHER.....                                | 25,848,831        | 28,034,122    |
| TOTAL, AIR FORCE.....                     | 48,232,306        | 54,087,365    |
| SPACE FORCE                               |                   |               |
| SPACE PROGRAMS.....                       | 3,629,669         | 4,462,188     |
| TOTAL, SPACE FORCE.....                   | 3,629,669         | 4,462,188     |
| DEFENSE-WIDE.....                         | 5,245,500         | 6,139,674     |
| NATIONAL GUARD AND RESERVE EQUIPMENT..... | ---               | 1,000,000     |
| DEFENSE PRODUCTION ACT PURCHASES.....     | 659,906           | 372,906       |
| TOTAL PROCUREMENT.....                    | 145,036,829       | 162,241,330   |
| =====                                     |                   |               |

53A

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

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

#### FUNDING INCREASES

The funding increases outlined in these tables shall be provided only for the specific purposes indicated in the tables. Additional guidance is provided in the overview of this explanatory statement.

#### PROCUREMENT SPECIAL INTEREST ITEMS

Items for which additional funds have been recommended or items for which funding is specifically reduced as shown in the project level tables detailing recommended adjustments or in paragraphs using the phrase "only for" or "only to" in the joint 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 elsewhere in the joint explanatory statement.

ARMY ORGANIC INDUSTRIAL BASE

The Secretary of the Army is directed to provide 45-day written notification to the congressional defense committees prior to 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, for restoration of any lost capability to meet future organic wartime manufacturing needs.

AIRCRAFT PROCUREMENT, ARMY

The agreement provides \$3,847,834,000 for Aircraft Procurement, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 50A-B

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

| P-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>2 MQ-1 UAV</b>   | <b>0</b>       | <b>350,000</b> |
| Program increase - 12 MQ-1C Gray Eagle Extended Range for the National Guard    |                | 350,000        |
| <b>5 SMALL UNMANNED AIRCRAFT SYSTEMS</b>  | <b>10,598</b>  | <b>10,598</b>  |
| <b>7 AH-64 APACHE BLOCK IIIA REMAN</b>  | <b>524,661</b> | <b>524,661</b> |
| <b>8 AH-64 APACHE BLOCK IIIA REMAN (AP-CY)</b>                                  | <b>169,218</b> | <b>169,218</b> |
| <b>10 UH-60 BLACKHAWK M MODEL (MYP)</b>   | <b>650,406</b> | <b>923,406</b> |
| Program increase - ten UH-60M for the National Guard                            |                | 273,000        |
| <b>11 UH-60 BLACKHAWK M MODEL (MYP) (AP-CY)</b>                                 | <b>68,147</b>  | <b>68,147</b>  |
| <b>12 UH-60 BLACK HAWK L AND V MODELS</b>                                       | <b>178,658</b> | <b>178,658</b> |
| <b>13 CH-47 HELICOPTER</b>  | <b>169,149</b> | <b>346,649</b> |
| Program increase - additional F Block II helicopters                            |                | 177,500        |
| <b>14 CH-47 HELICOPTER (AP)</b>   | <b>18,749</b>  | <b>41,249</b>  |
| Program increase - F Block II advance procurement                               |                | 22,500         |
| <b>16 MQ-1 PAYLOAD</b>  | <b>57,700</b>  | <b>72,700</b>  |
| Program increase - ELINT upgrades   |                | 15,000         |
| <b>18 GRAY EAGLE MODS2</b>  | <b>13,038</b>  | <b>133,038</b> |
| Program increase - MQ-1C Gray Eagle extended range multi-domain operations      |                | 120,000        |
| <b>19 MULTI SENSOR ABN RECON</b>  | <b>21,380</b>  | <b>21,380</b>  |
| <b>20 AH-64 MODS</b>  | <b>85,840</b>  | <b>85,840</b>  |
| <b>21 CH-47 CARGO HELICOPTER MODS (MYP)</b>                                     | <b>11,215</b>  | <b>49,919</b>  |
| Avionics updates insufficient budget justification                              |                | -1,296         |
| Program increase - CH-47 degraded visual environment                            |                | 25,000         |
| Program increase - hybrid enhanced ballistic protection system                  |                | 15,000         |
| <b>24 EMARSS SEMA MODS</b>  | <b>1,591</b>   | <b>1,591</b>   |
| <b>26 UTILITY HELICOPTER MODS</b>   | <b>21,346</b>  | <b>39,346</b>  |
| Program increase - litter basket stabilization technology for search and rescue |                | 8,000          |
| Program increase - 60kVA generators for UH-60                                   |                | 10,000         |
| <b>27 NETWORK AND MISSION PLAN</b>  | <b>44,526</b>  | <b>42,450</b>  |
| Aviation Mission Common Server SW app ECP unjustified growth                    |                | -2,076         |

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| P-1                                      |   | Budget Request   | Final Bill       |
|--|---|------------------|------------------|
| 28                                       | COMMS, NAV SURVEILLANCE                       | 72,387           | 72,387           |
| 30                                       | AVIATION ASSURED PNT                          | 71,130           | 66,294           |
|  | PM costs excess                               |                  | -1,810           |
|  | EGI EAGLE-M B Kit SE/PM unjustified growth    |                  | -3,026           |
| 31                                       | GATM ROLLUP                                   | 14,683           | 14,683           |
| 34                                       | AIRCRAFT SURVIVABILITY EQUIPMENT              | 167,927          | 167,927          |
| 35                                       | SURVIVABILITY CM                              | 6,622            | 884              |
|  | ATIRCM divestiture optimization early to need |                  | -5,738           |
| 36                                       | CMWS  | 107,112          | 107,112          |
| 37                                       | COMMON INFRARED COUNTERMEASURES (CIRCM)       | 288,209          | 284,334          |
|  | Unit cost increases                           |                  | -3,875           |
| 39                                       | COMMON GROUND EQUIPMENT                       | 20,823           | 20,823           |
| 40                                       | AIRCREW INTEGRATED SYSTEMS                    | 25,773           | 25,773           |
| 41                                       | AIR TRAFFIC CONTROL                           | 27,492           | 27,492           |
| 42                                       | LAUNCHER, 2.75 ROCKET                         | 1,275            | 1,275            |
| <b>TOTAL, AIRCRAFT PROCUREMENT, ARMY</b> |   | <b>2,849,655</b> | <b>3,847,834</b> |

56B

MISSILE PROCUREMENT, ARMY

The agreement provides \$3,848,853,000 for Missile Procurement, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 57A-B

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

| P-1  | Budget Request | Final Bill                           |
|--|----------------|--------------------------------------|
| 1 LOWER TIER AIR AND MISSILE DEFENSE (AMD)   | 4,260          | 4,260                                |
| 2 LOWER TIER AIR AND MISSILE DEFENSE (AMD) (AP)  | 9,200          | 9,200                                |
| 3 M-SHORAD - PROCUREMENT   | 135,747        | 135,747                              |
| 4 MSE MISSILE  | 1,037,093      | 1,037,093                            |
| 5 PRECISION STRIKE MISSILE (PRSM)<br>Early to need   | 213,172        | 162,876<br>-50,296                   |
| 6 INDIRECT FIRE PROTECTION CAPABILITY INC 2-I  | 18,924         | 18,924                               |
| 7 HELLFIRE SYS SUMMARY<br>Unit cost increase<br>Government management excess request<br>Program increase | 111,294        | 108,401<br>-6,893<br>-3,000<br>7,000 |
| 8 JOINT AIR-TO-GROUND MSLS (JAGM)  | 216,030        | 216,030                              |
| 10 LONG-RANGE HYPERSONIC WEAPON  | 249,285        | 249,285                              |
| 11 JAVELIN (AAWS-M) SYSTEM SUMMARY<br>Army requested transfer to RDTE,A line 94                          | 162,968        | 154,652<br>-8,316                    |
| 12 TOW 2 SYSTEM SUMMARY<br>Unit cost increase  | 105,423        | 103,866<br>-1,557                    |
| 13 GUIDED MLRS ROCKET (GMLRS)  | 785,028        | 785,028                              |
| 14 MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)  | 4,354          | 4,354                                |
| 15 HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS)  | 155,705        | 155,705                              |
| 16 LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS)  | 37,937         | 37,937                               |
| 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                               |
| 23 SPARES AND REPAIR PARTS   | 6,508          | 6,508                                |
| 24 AIR DEFENSE TARGETS   | 11,317         | 11,317                               |

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| P-1                                     | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>25 INDUSTRIAL PREPAREDNESS</b>       | 0                | <b>150,000</b>   |
| Program increase - capacity expansion   |                  | 150,000          |
| <b>TOTAL, MISSILE PROCUREMENT, ARMY</b> | <b>3,761,915</b> | <b>3,848,853</b> |

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57B

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

The agreement provides \$4,505,157,000 for Procurement of Weapons and Tracked Combat Vehicles, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 58A-B

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

| P-1   | Budget Request | Final Bill                                     |
|---|----------------|--|
| <b>1 ARMORED MULTI PURPOSE VEHICLE (AMPV)</b>   | <b>380,677</b> | <b>380,677</b>                                 |
| <b>2 ASSAULT BREACHER VEHICLE (ABV)</b>   | <b>3,852</b>   | <b>3,852</b>                                   |
| <b>3 MOBILE PROTECTED FIREPOWER</b><br>Government management excess   | <b>356,708</b> | <b>354,708</b><br>-2,000                       |
| <b>4 STRYKER UPGRADE</b><br>Program increase - additional 73 vehicles   | <b>671,271</b> | <b>891,171</b><br>219,900                      |
| <b>5 BRADLEY PROGRAM (MOD)</b><br>A4 mods ahead of need   | <b>279,531</b> | <b>260,398</b><br>-19,133                      |
| <b>6 M109 FOV MODIFICATIONS</b>   | <b>3,028</b>   | <b>3,028</b>                                   |
| <b>7 PALADIN INTEGRATED MANAGEMENT (PIM)</b><br>Unit cost increases<br>Theater provided equipment ahead of need<br>Program increase                           | <b>493,003</b> | <b>680,089</b><br>-6,318<br>-16,596<br>210,000 |
| <b>8 IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)</b><br>Carryover<br>Army requested delay procurement of 12 M88A3s<br>Army requested procurement of 18 M88A2s  | <b>138,759</b> | <b>132,203</b><br>-6,556<br>-69,332<br>69,332  |
| <b>12 JOINT ASSAULT BRIDGE</b>  | <b>36,990</b>  | <b>36,990</b>                                  |
| <b>14 ABRAMS UPGRADE PROGRAM</b><br>Unit cost increases<br>Program increase - additional 46 vehicles  | <b>656,340</b> | <b>1,247,340</b><br>-11,000<br>602,000         |
| <b>16 M240 MEDIUM MACHINE GUN (7.62MM)</b><br>Program increase - M240 machine guns  | <b>0</b>       | <b>10,500</b><br>10,500                        |
| <b>17 MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON SYSTEM</b>  | <b>26,627</b>  | <b>26,627</b>                                  |
| <b>18 MORTAR SYSTEMS</b>  | <b>8,516</b>   | <b>8,516</b>                                   |
| <b>19 LOCATION &amp; AZIMUTH DETERMINATION SYSTEM</b>   | <b>48,301</b>  | <b>48,301</b>                                  |
| <b>20 XM320 GRENADE LAUNCHER MODULE (GLM)</b>   | <b>11,703</b>  | <b>11,703</b>                                  |
| <b>21 PRECISION SNIPER RIFLE</b>  | <b>6,436</b>   | <b>6,436</b>                                   |
| <b>24 NEXT GENERATION SQUAD WEAPON</b><br>Fire control contract delays insufficient justification<br>Automatic rifle contract delays<br>Rifle contract delays | <b>221,293</b> | <b>166,623</b><br>-36,258<br>-3,387<br>-15,025 |
| <b>28 M777 MODS</b>   | <b>3,374</b>   | <b>3,374</b>                                   |

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| P-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| 30 M2 50 CAL MACHINE GUN MODS<br>Program increase - cannon life extension program | 0              | 3,000<br>3,000 |
| 33 M119 MODIFICATIONS   | 2,263          | 2,263          |
| 36 ITEMS LESS THAN \$5.0M (WOCV-WTCV)   | 2,138          | 2,138          |
| 37 PRODUCTION BASE SUPPORT (WOCV-WTCV)  | 225,220        | 225,220        |
| TOTAL, PROCUREMENT OF WEAPONS AND TRACKED<br>COMBAT VEHICLES, ARMY                | 3,576,030      | 4,505,157      |

(58B)

PROCUREMENT OF AMMUNITION, ARMY

The agreement provides \$2,770,120,000 for Procurement of Ammunition, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 59A-B

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

| P-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>1 CTG, 5.56MM, ALL TYPES</b>                                  | <b>59,447</b>  | <b>53,206</b>  |
| Ahead of need  |                | -4,723         |
| Program increase   |                | 11,620         |
| CTG, 5.56mm blank, M200, single round excess to need             |                | -2,108         |
| CTG, 5.56mm 4 ball EPR, M855A1/1 TR M856A1 linked excess to need |                | -6,255         |
| CTG, 5.56mm ball, M855A1 EPR, clipped mil pack excess to need    |                | -4,775         |
| <b>2 CTG, 7.62MM, ALL TYPES</b>                                  | <b>90,019</b>  | <b>90,631</b>  |
| Carryover  |                | -3,655         |
| Program increase   |                | 20,570         |
| CTG, 7.62mm ball M80A1 leadfree, w/M13 link excess to need       |                | -1,075         |
| CTG, 7.62mm 4 ball, M80A1/1 trcr M62A1 leadfree excess to need   |                | -15,228        |
| <b>3 NEXT GENERATION SQUAD WEAPON AMMUNITION</b>                 | <b>128,662</b> | <b>96,496</b>  |
| Schedule delays  |                | -32,166        |
| <b>4 CTG, HANDGUN, ALL TYPES</b>                                 | <b>317</b>     | <b>317</b>     |
| <b>5 CTG, .50 CAL, ALL TYPES</b>                                 | <b>35,849</b>  | <b>60,189</b>  |
| Carryover  |                | -4,716         |
| Program increase   |                | 29,056         |
| <b>6 CTG, 20MM, ALL TYPES</b>                                    | <b>11,761</b>  | <b>21,761</b>  |
| Program increase - 20mm medium caliber ammunition                |                | 10,000         |
| <b>7 CTG, 25MM, ALL TYPES</b>                                    | <b>10,270</b>  | <b>6,847</b>   |
| Excess to need   |                | -3,423         |
| <b>8 CTG, 30MM, ALL TYPES</b>                                    | <b>143,045</b> | <b>137,209</b> |
| CTG, 30mm TP, M788, single, f/gun M230 excess to need            |                | -5,836         |
| <b>9 CTG, 40MM, ALL TYPES</b>                                    | <b>85,213</b>  | <b>85,213</b>  |
| <b>10 60MM MORTAR, ALL TYPES</b>                                 | <b>33,338</b>  | <b>30,262</b>  |
| Ahead of need  |                | -3,076         |
| <b>11 81MM MORTAR, ALL TYPES</b>                                 | <b>56,577</b>  | <b>54,416</b>  |
| Ahead of need  |                | -2,161         |
| <b>12 120MM MORTAR, ALL TYPES</b>                                | <b>127,168</b> | <b>117,101</b> |
| Ahead of need  |                | -10,067        |
| <b>13 CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES</b>           | <b>296,943</b> | <b>278,774</b> |
| Program decrease   |                | -18,169        |
| <b>14 ARTILLERY CARTRIDGES, 75MM &amp; 105MM, ALL TYPES</b>      | <b>7,647</b>   | <b>7,647</b>   |

59A

| P-1  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| <b>15 ARTILLERY PROJECTILE, 155MM, ALL TYPES</b>   | <b>182,455</b>   | <b>210,169</b>   |
| Monthly obligation plan less than request          |                  | -17,486          |
| Program increase - XM1113 and XM1128               |                  | 40,000           |
| Program increase - M825A1                          |                  | 5,200            |
| <b>17 PRECISION ARTILLERY MUNITIONS</b>            | <b>166,334</b>   | <b>156,371</b>   |
| Ahead of need                                      |                  | -9,963           |
| <b>18 ARTILLERY PROPELLANTS, FUZES AND PRIMERS</b> | <b>143,763</b>   | <b>143,763</b>   |
| <b>19 MINES &amp; CLEARING CHARGES, ALL TYPES</b>  | <b>80,920</b>    | <b>76,646</b>    |
| APOBS unit cost increases                          |                  | -4,274           |
| <b>20 CLOSE TERRAIN SHAPING OBSTACLE</b>           | <b>53,579</b>    | <b>25,403</b>    |
| Contract delays                                    |                  | -28,176          |
| <b>21 SHOULDER LAUNCHED MUNITIONS, ALL TYPES</b>   | <b>18,159</b>    | <b>18,159</b>    |
| <b>22 ROCKET, HYDRA 70, ALL TYPES</b>              | <b>171,697</b>   | <b>171,697</b>   |
| <b>23 CAD/PAD, ALL TYPES</b>                       | <b>7,643</b>     | <b>7,643</b>     |
| <b>24 DEMOLITION MUNITIONS, ALL TYPES</b>          | <b>29,796</b>    | <b>26,199</b>    |
| Charge, demo shaped 40 lb, M3 excess to need       |                  | -3,597           |
| <b>25 GRENADES, ALL TYPES</b>                      | <b>36,251</b>    | <b>36,251</b>    |
| <b>26 SIGNALS, ALL TYPES</b>                       | <b>13,852</b>    | <b>13,852</b>    |
| <b>27 SIMULATORS, ALL TYPES</b>                    | <b>9,350</b>     | <b>9,350</b>     |
| <b>29 AMMO COMPONENTS, ALL TYPES</b>               | <b>3,823</b>     | <b>3,823</b>     |
| <b>30 ITEMS LESS THAN \$5 MILLION (AMMO)</b>       | <b>19,921</b>    | <b>18,099</b>    |
| Prior year underexecution                          |                  | -890             |
| CTG, .30cal blank, M1909, single excess to need    |                  | -932             |
| <b>31 AMMUNITION PECULIAR EQUIPMENT</b>            | <b>13,001</b>    | <b>10,375</b>    |
| Prior year underexecution                          |                  | -2,626           |
| <b>32 FIRST DESTINATION TRANSPORTATION (AMMO)</b>  | <b>17,528</b>    | <b>17,528</b>    |
| <b>33 CLOSEOUT LIABILITIES</b>                     | <b>101</b>       | <b>101</b>       |
| <b>34 INDUSTRIAL FACILITIES</b>                    | <b>499,613</b>   | <b>699,613</b>   |
| Program increase                                   |                  | 200,000          |
| <b>35 CONVENTIONAL MUNITIONS DEMILITARIZATION</b>  | <b>80,970</b>    | <b>80,970</b>    |
| <b>36 ARMS INITIATIVE</b>                          | <b>4,039</b>     | <b>4,039</b>     |
| <b>TOTAL, PROCURMENT OF AMMUNITION, ARMY</b>       | <b>2,639,051</b> | <b>2,770,120</b> |

59B

#### ARMY AMMUNITION PLANT MODERNIZATION

The agreement recommends an additional \$200,000,000 to accelerate Army Ammunition Plant modernization programs in fiscal year 2023. The agreement further 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. 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.

OTHER PROCUREMENT, ARMY

The agreement provides \$8,668,148,000 for Other Procurement, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 61A-G

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

| P-1   | Budget Request | Final Bill                         |
|---|----------------|------------------------------------|
| <b>2 SEMITRAILERS, FLATBED</b>  | <b>23,021</b>  | <b>23,021</b>                      |
| <b>3 SEMITRAILERS, TANKERS</b><br>Carryover   | <b>21,869</b>  | <b>19,369</b><br>-2,500            |
| <b>4 HI MOB MULTI-PURP WHLD VEH (HMMWV)</b><br>Program increase - new HMMWVs  | <b>6,121</b>   | <b>122,121</b><br>116,000          |
| <b>5 GROUND MOBILITY VEHICLES (GMV)</b><br>Program increase - Infantry Squad Vehicle  | <b>34,316</b>  | <b>44,316</b><br>10,000            |
| <b>6 ARNG HMMWV MODERNIZATION PROGRAM</b><br>Program increase   | <b>0</b>       | <b>120,000</b><br>120,000          |
| <b>7 JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES</b><br>Program decrease  | <b>703,110</b> | <b>664,071</b><br>-39,039          |
| <b>8 TRUCK, DUMP, 20T (CCE)</b><br>Program increase   | <b>0</b>       | <b>30,000</b><br>30,000            |
| <b>9 FAMILY OF MEDIUM TACTICAL VEH (FMTV)</b><br>SEPM and fielding ahead of need<br>Program increase                        | <b>74,086</b>  | <b>120,636</b><br>-3,450<br>50,000 |
| <b>10 FAMILY OF COLD WEATHER ALL-TERRAIN VEHICLE</b><br>Prior year underexecution<br>Program increase                       | <b>23,772</b>  | <b>36,472</b><br>-2,300<br>15,000  |
| <b>11 FIRETRUCKS &amp; ASSOCIATED FIREFIGHTING EQUIP</b>  | <b>39,950</b>  | <b>39,950</b>                      |
| <b>12 FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)</b><br>Program increase  | <b>96,112</b>  | <b>239,612</b><br>143,500          |
| <b>13 PLS ESP</b><br>Unit cost savings  | <b>54,674</b>  | <b>50,001</b><br>-4,673            |
| <b>15 TACTICAL WHEELED VEHICLE PROTECTION KITS</b><br>Program increase - JLTV explosively formed penetrator protection kits | <b>0</b>       | <b>20,000</b><br>20,000            |
| <b>16 MODIFICATION OF IN SVC EQUIP</b><br>Program increase - HMMWV ABS/ESC retrofit kits                                    | <b>31,819</b>  | <b>140,869</b><br>109,050          |
| <b>17 PASSENGER CARRYING VEHICLES</b>   | <b>1,286</b>   | <b>1,286</b>                       |
| <b>18 NONTACTICAL VEHICLES, OTHER</b><br>Prior year underexecution  | <b>15,059</b>  | <b>12,059</b><br>-3,000            |

61A

| P-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>19 SIGNAL MODERNIZATION PROGRAM</b>                                  | <b>179,853</b> | <b>167,058</b> |
| Spares excess to need   |                | -3,045         |
| TROPO refurbishment cost overestimation                                 |                | -2,000         |
| TROPO HW early to need  |                | -7,750         |
| <b>20 TACTICAL NETWORK TECHNOLOGY MOD IN SVC</b>                        | <b>382,007</b> | <b>358,862</b> |
| Program increase - armored formation on the move                        |                | 38,400         |
| Tech insertions quantities previously funded                            |                | -61,545        |
| <b>22 DISASTER INCIDENT RESPONSE COMMS TERMINAL (DIRECT)</b>            | <b>4,066</b>   | <b>4,066</b>   |
| <b>23 JCSE EQUIPMENT (USRDECOM)</b>                                     | <b>5,505</b>   | <b>5,505</b>   |
| <b>26 DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS</b>                    | <b>107,228</b> | <b>107,228</b> |
| <b>27 TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS</b>                 | <b>119,259</b> | <b>109,305</b> |
| Carryover   |                | -13,954        |
| Program increase - satellite communications terminals                   |                | 4,000          |
| <b>28 SHF TERM</b>  | <b>23,173</b>  | <b>23,173</b>  |
| <b>29 ASSURED POSITIONING, NAVIGATION AND TIMING</b>                    | <b>184,911</b> | <b>166,901</b> |
| MAPS Gen II early to need   |                | -18,010        |
| <b>30 EHF SATELLITE COMMUNICATION</b>                                   | <b>5,853</b>   | <b>5,853</b>   |
| <b>31 SMART-T (SPACE)</b>   | <b>4,916</b>   | <b>4,916</b>   |
| <b>32 GLOBAL BRDCST SVC - GBS</b>                                       | <b>3,179</b>   | <b>3,179</b>   |
| <b>34 COE TACTICAL SERVER INFRASTRUCTURE (TSI)</b>                      | <b>94,287</b>  | <b>90,387</b>  |
| Software license maintenance unjustified growth                         |                | -3,900         |
| <b>35 HANDHELD MANPACK SMALL FORM FIT (HMS)</b>                         | <b>728,366</b> | <b>660,270</b> |
| SCDR reduction tied to IVAS reduction                                   |                | -23,096        |
| Program decrease  |                | -45,000        |
| <b>37 ARMY LINK 16 SYSTEMS</b>  | <b>47,581</b>  | <b>43,521</b>  |
| Unjustified request   |                | -4,060         |
| <b>38 TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM</b>                 | <b>0</b>       | <b>15,000</b>  |
| Program increase - active hearing protection                            |                | 15,000         |
| <b>39 UNIFIED COMMAND SUITE</b>   | <b>20,178</b>  | <b>30,178</b>  |
| Program increase - communications interoperability mission improvements |                | 10,000         |
| <b>40 COTS COMMUNICATIONS EQUIPMENT</b>                                 | <b>320,595</b> | <b>314,376</b> |
| Program increase - high frequency radios                                |                | 10,000         |
| Program increase - JADC2 software support and services                  |                | 20,000         |
| Low cost tactical radio replacement cost overestimation                 |                | -10,570        |
| Warranties unjustified request  |                | -9,245         |
| ITN line-of-site radios unjustified request                             |                | -16,404        |

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| P-1   | Budget Request | Final Bill                         |
|---|----------------|------------------------------------|
| 41 FAMILY OF MED COMM FOR COMBAT CASUALTY CARE  | 7,621          | 7,621                              |
| 42 ARMY COMMUNICATIONS & ELECTRONICS<br>Program decrease  | 59,705         | 41,537<br>-18,168                  |
| 43 CI AUTOMATION ARCHITECTURE-INTEL   | 13,891         | 13,891                             |
| 45 MULTI-DOMAIN INTELLIGENCE  | 20,637         | 20,637                             |
| 46 INFORMATION SYSTEM SECURITY PROGRAM-ISSP   | 1,019          | 1,019                              |
| 47 COMMUNICATIONS SECURITY (COMSEC)   | 125,692        | 125,692                            |
| 49 INSIDER THREAT PROGRAM - UNIT ACTIVITY MONITORING  | 1,796          | 1,796                              |
| 51 BIOMETRIC ENABLING CAPABILITY (BEC)  | 816            | 816                                |
| 52 ARCYBER DEFENSIVE CYBER OPERATIONS   | 18,239         | 18,239                             |
| 54 BASE SUPPORT COMMUNICATIONS<br>Program increase - land mobile radios<br>Program increase - communications systems<br>Program increase - AFRICOM force protection | 10,262         | 28,512<br>15,000<br>2,000<br>1,250 |
| 55 INFORMATION SYSTEMS<br>Ahead of need<br>Unjustified request  | 116,522        | 68,436<br>-22,523<br>-25,563       |
| 56 EMERGENCY MANAGEMENT MODERNIZATION PROGRAM   | 5,036          | 5,036                              |
| 59 INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM   | 214,806        | 214,806                            |
| 62 TITAN<br>Army requested transfer to RDTE,A line 140<br>Army requested transfer to line 66<br>Army identified ahead of need                                       | 84,821         | 0<br>-50,900<br>-19,680<br>-14,241 |
| 63 JTT/CIBS-M   | 2,352          | 2,352                              |
| 64 TERRESTRIAL LAYER SYSTEMS (TLS)<br>Army requested transfer to RDTE,A line 160<br>Production contract ahead of need   | 88,915         | 8,373<br>-38,000<br>-42,542        |
| 66 DCGS-A-INTEL<br>Army requested transfer from line 62<br>Capability drop modifications software   | 76,771         | 86,734<br>19,680<br>-9,717         |
| 67 JOINT TACTICAL GROUND STATION (JTAGS)-INTEL  | 349            | 349                                |
| 68 TROJAN   | 20,562         | 20,562                             |

(610)

| P-1 |   | Budget Request | Final Bill     |
|-----|---|----------------|----------------|
| 69  | <b>MOD OF IN-SVC EQUIP (INTEL SPT)</b>                                    | <b>30,424</b>  | <b>45,424</b>  |
|     | Program increase - Prophet Enhanced ESP kits                              |                | 10,000         |
|     | Program increase - Service tactical signal intelligence (SIGINT) upgrades |                | 5,000          |
| 70  | <b>BIOMETRIC TACTICAL COLLECTION DEVICES</b>                              | <b>2,269</b>   | <b>2,269</b>   |
| 73  | <b>AIR VIGILANCE (AV)</b>   | <b>5,688</b>   | <b>5,688</b>   |
| 74  | <b>MULTI-FUNCTION ELECTRONIC WARFARE (MFEW) SYST</b>                      | <b>3,060</b>   | <b>3,060</b>   |
| 76  | <b>COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES</b>                       | <b>19,519</b>  | <b>11,712</b>  |
|     | Carryover   |                | -7,807         |
| 77  | <b>CI MODERNIZATION</b>   | <b>437</b>     | <b>437</b>     |
| 78  | <b>SENTINEL MODS</b>  | <b>166,736</b> | <b>166,736</b> |
| 79  | <b>NIGHT VISION DEVICES</b>   | <b>424,253</b> | <b>334,229</b> |
|     | IVAS program reduction  |                | -360,024       |
|     | Transfer remaining IVAS funding to RDTE,A line 58                         |                | -40,000        |
|     | Program increase - ENVG-B   |                | 300,000        |
|     | Program increase - laser target locator module                            |                | 10,000         |
| 80  | <b>SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF</b>                          | <b>11,357</b>  | <b>11,357</b>  |
| 82  | <b>FAMILY OF WEAPON SIGHTS (FWS)</b>                                      | <b>202,258</b> | <b>188,683</b> |
|     | FWS-I unit cost increases   |                | -6,440         |
|     | FWS-CS reduce carryover   |                | -7,135         |
| 83  | <b>ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE</b>                         | <b>5,116</b>   | <b>5,116</b>   |
| 84  | <b>FORWARD LOOKING INFRARED (IFLIR)</b>                                   | <b>37,914</b>  | <b>37,914</b>  |
| 85  | <b>COUNTER SMALL UNMANNED AERIAL SYSTEM</b>                               | <b>326,364</b> | <b>299,789</b> |
|     | Program increase - C-SUAS secure communication capability developments    |                | 20,000         |
|     | Lack of acquisition strategy  |                | -46,575        |
| 86  | <b>JOINT BATTLE COMMAND - PLATFORM (JBC-P)</b>                            | <b>186,515</b> | <b>186,515</b> |
| 87  | <b>JOINT EFFECTS TARGETING SYSTEM (JETS)</b>                              | <b>10,304</b>  | <b>2,576</b>   |
|     | Program reduction   |                | -7,728         |
| 88  | <b>COMPUTER BALLISTICS: LHMCB XM32</b>                                    | <b>3,038</b>   | <b>3,038</b>   |
| 89  | <b>MORTAR FIRE CONTROL SYSTEM</b>   | <b>4,879</b>   | <b>4,879</b>   |
| 90  | <b>MORTAR FIRE CONTROL SYSTEMS MODIFICATIONS</b>                          | <b>4,370</b>   | <b>4,370</b>   |
| 91  | <b>COUNTERFIRE RADARS</b>   | <b>162,208</b> | <b>162,208</b> |

61D

| P-1 |   | Budget Request | Final Bill                |
|-----|---|----------------|---------------------------|
| 92  | ARMY COMMAND POST INTEGRATED INFRASTRUCTURE   | 60,455         | 60,455                    |
| 93  | FIRE SUPPORT C2 FAMILY  | 9,676          | 9,676                     |
| 94  | AIR & MSL DEFENSE PLANNING & CONTROL SYS  | 72,619         | 72,619                    |
| 95  | IAMD BATTLE COMMAND SYSTEM  | 438,967        | 438,967                   |
| 96  | LIFE CYCLE SOFTWARE SUPPORT (LCSS)  | 4,586          | 4,586                     |
| 97  | NETWORK MANAGEMENT INITIALIZATION AND SERVICE   | 37,199         | 37,199                    |
| 98  | GLOBAL COMBAT SUPPORT SYSTEM-ARMY   | 4,102          | 4,102                     |
| 99  | INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY  | 6,926          | 6,926                     |
| 101 | MOD OF IN-SVC EQUIPMENT (ENFIRE)<br>Program increase - land surveying systems   | 4,076          | 15,076<br>11,000          |
| 102 | ARMY TRAINING MODERNIZATION   | 8,033          | 8,033                     |
| 103 | AUTOMATED DATA PROCESSING EQUIP   | 96,554         | 96,554                    |
| 104 | ACCESSIONS INFORMATION ENVIRONMENT (AIE)<br>Program behind schedule   | 43,767         | 0<br>-43,767              |
| 105 | GENERAL FUND ENTERPRISE BUSINESS SYSTEMS  | 97             | 97                        |
| 106 | HIGH PERF COMPUTING MOD PGM (HPCMP)<br>Program increase - computational research for engineering<br>acquisition tools and environment | 73,655         | 88,655<br>15,000          |
| 107 | CONTRACT WRITING SYSTEM<br>Licenses ahead of need   | 17,701         | 4,075<br>-13,626          |
| 108 | CSS COMMUNICATIONS<br>Early to need   | 88,141         | 60,879<br>-27,262         |
| 111 | BCT EMERGING TECHNOLOGIES   | 12,853         | 12,853                    |
| 999 | CLASSIFIED PROGRAMS   | 1,596          | 1,596                     |
| 112 | FAMILY OF NON-LETHAL EQUIPMENT (FNLE)<br>Program increase - acoustic hailing device<br>Program increase - CEWs                        | 0              | 15,000<br>12,000<br>3,000 |
| 113 | BASE DEFENSE SYSTEMS (BDS)<br>IGSSR-C excess to need  | 47,960         | 40,716<br>-7,244          |
| 114 | CBRN DEFENSE  | 56,129         | 56,129                    |

(61E)

| P-1  | Budget Request | Final Bill               |
|--|----------------|--------------------------|
| 116 TACTICAL BRIDGING  | 13,785         | 13,785                   |
| 118 BRIDGE SUPPLEMENTAL SET<br>Carryover   | 6,774          | 439<br>-6,335            |
| 119 COMMON BRIDGE TRANSPORTER (CBT) RECAP  | 10,379         | 10,379                   |
| 124 ROBOTICS AND APPLIQUE SYSTEMS  | 52,340         | 52,340                   |
| 127 HEATERS AND ECUS   | 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<br>Program increase - expeditionary shelter protection systems  | 0              | 12,000<br>12,000         |
| 134 CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM  | 42,444         | 42,444                   |
| 136 ITEMS LESS THAN \$5M (ENG SPT)   | 4,155          | 4,155                    |
| 137 QUALITY SURVEILLANCE EQUIPMENT<br>PEAK contract savings  | 2,845          | 1,845<br>-1,000          |
| 138 DISTRIBUTION SYSTEMS, PETROLEUM & WATER  | 26,433         | 26,433                   |
| 139 COMBAT SUPPORT MEDICAL<br>Program increase - mobile x-ray units<br>Program increase - future shelter systems                   | 75,606         | 83,106<br>2,500<br>5,000 |
| 140 MOBILE MAINTENANCE EQUIPMENT SYSTEMS<br>Program increase - next generation HMMWV shop equipment<br>contact maintenance vehicle | 3,936          | 123,936<br>120,000       |
| 147 ALL TERRAIN CRANES   | 31,341         | 31,341                   |
| 148 HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)<br>Program increase  | 0              | 10,000<br>10,000         |
| 149 FAMILY OF DIVER SUPPORT EQUIPMENT  | 3,256          | 3,256                    |
| 150 CONST EQUIP ESP<br>Carryover   | 9,104          | 4,169<br>-4,935          |
| 151 ARMY WATERCRAFT ESP  | 47,889         | 47,889                   |
| 152 MANEUVER SUPPORT VESSEL (MSV)<br>Functional transfer to RDTE,A line 111  | 104,676        | 97,676<br>-7,000         |

(61F)

| P-1   | Budget Request   | Final Bill                    |
|---|------------------|-------------------------------|
| 153 ITEMS LESS THAN \$5.0M (FLOAT/RAIL)   | 10,131           | 10,131                        |
| 154 GENERATORS AND ASSOCIATED EQUIP<br>Program increase - AMMPS   | 54,400           | 112,689<br>58,289             |
| 155 TACTICAL ELECTRIC POWER RECAPITALIZATION  | 8,293            | 8,293                         |
| 156 FAMILY OF FORKLIFTS   | 8,819            | 8,819                         |
| 157 COMBAT TRAINING CENTERS SUPPORT   | 48,046           | 48,046                        |
| 158 TRAINING DEVICES, NONSYSTEM<br>NSTD ranges and targets contract savings   | 201,966          | 199,669<br>-2,297             |
| 159 SYNTHETIC TRAINING ENVIRONMENT (STE)<br>STE-RVCT early to need<br>Army requested SiVT transfer to RDTE,A line 80                              | 255,670          | 186,540<br>-33,000<br>-36,130 |
| 160 GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING   | 9,546            | 9,546                         |
| 162 INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)  | 36,514           | 36,514                        |
| 164 TEST EQUIPMENT MODERNIZATION (TEMOD)  | 32,734           | 32,734                        |
| 166 PHYSICAL SECURITY SYSTEMS (OPA3)<br>Program increase - physical security equipment and systems<br>Program increase - AFRICOM force protection | 102,556          | 126,706<br>10,000<br>14,150   |
| 167 BASE LEVEL COMMON EQUIPMENT   | 31,417           | 31,417                        |
| 168 MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)<br>Program increase - RTCH<br>Program increase - unit-level 3-D print capabilities                   | 24,047           | 44,047<br>10,000<br>10,000    |
| 169 BUILDING, PRE-FAB, RELOCATABLE<br>Prior year underexecution   | 32,151           | 25,151<br>-7,000              |
| 170 SPECIAL EQUIPMENT FOR TEST AND EVALUATION<br>Program increase - cyber threat modeling   | 84,779           | 88,779<br>4,000               |
| 172 INITIAL SPARES - C&E  | 10,463           | 10,463                        |
| <b>TOTAL, OTHER PROCUREMENT, ARMY</b>   | <b>8,457,509</b> | <b>8,668,148</b>              |

61 G

AIRCRAFT PROCUREMENT, NAVY

The agreement provides \$19,031,864,000 for Aircraft Procurement, Navy, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

e Insert 62A-D

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

| P-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>1 F/A-18E/F (FIGHTER) HORNET</b>                         | <b>90,865</b>    | <b>671,065</b>   |
| Production line shutdown early to need                      |                  | -19,800          |
| Program increase - additional aircraft                      |                  | 600,000          |
| <b>2 JOINT STRIKE FIGHTER CV</b>                            | <b>1,663,515</b> | <b>2,343,400</b> |
| Program decrease  |                  | -38,095          |
| NRE excess to need  |                  | -16,840          |
| Realignment from line 3 for unit cost increase              |                  | 42,120           |
| Program increase - F135 engine repair facility test modules |                  | 13,500           |
| Program increase - restore seven aircraft to Lots 15-17     |                  | 679,200          |
| <b>3 JOINT STRIKE FIGHTER CV (AP-CY)</b>                    | <b>387,596</b>   | <b>182,376</b>   |
| Economic order quantity unjustified request                 |                  | -163,100         |
| Realignment to line 2 for unit cost increase                |                  | -42,120          |
| <b>4 JSF STOVL</b>  | <b>1,909,635</b> | <b>1,898,177</b> |
| Program decrease  |                  | -29,387          |
| NRE excess to need  |                  | -21,571          |
| Program increase - F135 engine repair facility test modules |                  | 13,500           |
| Program increase - restore one aircraft to Lots 15-17       |                  | 26,000           |
| <b>5 JSF STOVL (AP-CY)</b>                                  | <b>200,118</b>   | <b>200,118</b>   |
| <b>6 CH-53K (HEAVY LIFT)</b>                                | <b>1,669,986</b> | <b>1,876,610</b> |
| CFE electronics excess growth                               |                  | -8,207           |
| Engineering change orders excess growth                     |                  | -22,790          |
| Pubs/tech data excess growth                                |                  | -16,079          |
| Program increase - two additional aircraft                  |                  | 250,000          |
| Program increase - cargo internal handling system           |                  | 3,700            |
| <b>7 CH-53K (HEAVY LIFT) (AP-CY)</b>                        | <b>357,824</b>   | <b>341,692</b>   |
| Unjustified growth  |                  | -16,132          |
| <b>8 V-22 (MEDIUM LIFT)</b>                                 | <b>31,795</b>    | <b>508,700</b>   |
| Production line shutdown early to need                      |                  | -23,095          |
| Program increase - five aircraft                            |                  | 500,000          |
| <b>11 P-8A POSEIDON</b>                                     | <b>41,521</b>    | <b>41,521</b>    |
| <b>12 E-2D ADV HAWKEYE</b>                                  | <b>842,401</b>   | <b>1,206,161</b> |
| Program increase - two additional aircraft                  |                  | 400,000          |
| Program decrease  |                  | -10,049          |
| Avionics PGSE excess growth                                 |                  | -19,652          |
| Non-recurring excess growth                                 |                  | -6,539           |
| <b>14 MULTI-ENGINE TRAINING SYSTEM (METS)</b>               | <b>123,217</b>   | <b>107,801</b>   |
| Support cost excess growth                                  |                  | -15,416          |
| <b>15 ADVANCED HELICOPTER TRAINING SYSTEM</b>               | <b>119,816</b>   | <b>119,816</b>   |
| <b>16 KC-130J</b>   | <b>439,501</b>   | <b>439,501</b>   |

62A

| P-1   | Budget Request | Final Bill                             |
|---|----------------|--|
| 17 KC-130J (AP-CY)  | 29,122         | 29,122                                 |
| 19 MQ-4 TRITON<br>Production engineering support unjustified growth   | 587,820        | 584,192<br>-3,628                      |
| 20 MQ-4 TRITON (AP-CY)<br>Early to need   | 75,235         | 70,335<br>-4,900                       |
| 22 STUASL0 UAV  | 2,703          | 2,703                                  |
| 23 MQ-25  | 696,713        | 696,713                                |
| 24 MQ-25 (AP-CY)  | 51,463         | 51,463                                 |
| 25 MARINE GROUP 5 UAS   | 103,882        | 103,882                                |
| 27 F-18 A-D UNIQUE  | 141,514        | 141,514                                |
| 28 F-18E/F AND EA-18G MODERNIZATION AND SUSTAINMENT<br>E/F & EA-18G correction of operational discrepancies (OSIP 14-03) installation kits growth<br>E/F & EA-18G correction of operational discrepancies (OSIP 14-03) installation growth<br>E/F & EA-18G correction of operational discrepancies (OSIP 14-03) concurrent installs previously funded | 572,681        | 552,849<br>-4,092<br>-4,424<br>-11,316 |
| 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)<br>Support equipment excess growth<br>Reduction in units  | 144,699        | 121,039<br>-13,290<br>-10,370          |
| 33 ADVERSARY  | 105,188        | 105,188                                |
| 34 F-18 SERIES<br>Prior year underexecution<br>H22 funding early to need  | 480,663        | 461,118<br>-14,018<br>-5,527           |
| 35 H-53 SERIES  | 40,151         | 40,151                                 |
| 36 MH-60 SERIES<br>Program increase - MH-60 SLEP  | 126,238        | 136,238<br>10,000                      |
| 37 H-1 SERIES   | 122,498        | 122,498                                |
| 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                                  |

G2B

| P-1  | Budget Request | Final Bill |
|--|----------------|------------|
| 42 C-130 SERIES  | 132,170        | 132,170    |
| 43 FEWSG   | 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        | 199,356    |
| 1/T-45TS corrections of deficiencies (OSIP 008-95) non-recurring costs previously funded |                | -1,314     |
| Avionics obsolescence (OSIP 017-04) other support previously                             |                | -1,000     |
| 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    |
| ALQ-214 installs ahead of need   |                | -11,600    |
| 52 COMMON AVIONICS CHANGES   | 136,883        | 128,120    |
| Installation equipment NRE previously funded   |                | -5,000     |
| Reduce cost growth for secure comms equipment  |                | -3,763     |
| 53 COMMON DEFENSIVE WEAPON SYSTEM  | 6,373          | 6,373      |
| 54 ID SYSTEMS  | 3,828          | 3,828      |
| 55 P-8 SERIES  | 249,342        | 241,987    |
| Prior year underexecution  |                | -7,355     |
| 56 MAGTF EW FOR AVIATION   | 24,684         | 24,684     |
| 57 MQ-8 SERIES   | 9,846          | 9,846      |
| 58 V-22 (TILT/ROTOR ACFT) OSPREY   | 207,621        | 233,128    |
| Lack of detail for other support cost growth   |                | -2,093     |
| Program increase - V-22 aircraft modification kits                                       |                | 27,600     |
| 59 NEXT GENERATION JAMMER (NGJ)  | 401,563        | 463,146    |
| ILS (OSIP 002-19) previously funded  |                | -5,617     |
| Program increase - additional shipsets   |                | 67,200     |
| 60 F-35 STOVL SERIES   | 216,356        | 189,528    |
| Program decrease   |                | -26,828    |
| 61 F-35 CV SERIES  | 208,336        | 173,349    |
| Program decrease   |                | -34,987    |
| 62 QRC   | 47,864         | 47,864     |

G2C

| P-1  | Budget Request    | Final Bill        |
|--|-------------------|-------------------|
| <b>63 MQ-4 SERIES</b>                        | <b>94,738</b>     | <b>91,977</b>     |
| Prior year underexecution                    |                   | -2,761            |
| <b>64 RQ-21 SERIES</b>                       | <b>6,576</b>      | <b>6,576</b>      |
| <b>68 SPARES AND REPAIR PARTS</b>            | <b>1,872,417</b>  | <b>2,047,417</b>  |
| Program increase - F135 engine spares        |                   | 100,000           |
| Program increase - aviation spares           |                   | 75,000            |
| <b>69 COMMON GROUND EQUIPMENT</b>            | <b>542,214</b>    | <b>528,433</b>    |
| ADVTE unjustified growth                     |                   | -5,235            |
| H-1 trainer modernization unjustified growth |                   | -8,546            |
| <b>70 AIRCRAFT INDUSTRIAL FACILITIES</b>     | <b>101,559</b>    | <b>101,559</b>    |
| <b>71 WAR CONSUMABLES</b>                    | <b>40,316</b>     | <b>40,316</b>     |
| <b>72 OTHER PRODUCTION CHARGES</b>           | <b>46,403</b>     | <b>46,403</b>     |
| <b>73 SPECIAL SUPPORT EQUIPMENT</b>          | <b>423,280</b>    | <b>455,432</b>    |
| Classified adjustment                        |                   | -21,848           |
| Program increase                             |                   | 54,000            |
| <b>TOTAL, AIRCRAFT PROCUREMENT, NAVY</b>     | <b>16,848,428</b> | <b>19,031,864</b> |

(62D)

WEAPONS PROCUREMENT, NAVY

The agreement provides \$4,823,113,000 for Weapons Procurement, Navy, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert + 63A-B

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

| P-1   | Budget Request | Final Bill                   |
|---|----------------|------------------------------|
| 1 TRIDENT II MODS   | 1,125,164      | 1,125,164                    |
| 2 MISSILE INDUSTRIAL FACILITIES   | 7,767          | 7,767                        |
| 3 TOMAHAWK<br>Program increase - thirty additional Tomahawks  | 160,190        | 211,190<br>51,000            |
| 4 AMRAAM  | 335,900        | 335,900                      |
| 5 SIDEWINDER<br>Production support costs excess growth  | 63,288         | 62,288<br>-1,000             |
| 6 STANDARD MISSILE  | 489,123        | 489,123                      |
| 8 JASSM<br>Navy requested transfer to line 16<br>Navy requested transfer to RDTE, Navy line 93 for AGM-158C3 acceleration | 58,481         | 0<br>-12,000<br>-46,481      |
| 9 SMALL DIAMETER BOMB II<br>AUR excess unit cost growth   | 108,317        | 100,684<br>-7,633            |
| 10 RAM  | 92,131         | 92,131                       |
| 11 JOINT AIR GROUND MISSILE (JAGM)  | 78,395         | 78,395                       |
| 12 HELLFIRE   | 6,603          | 6,603                        |
| 13 AERIAL TARGETS<br>EM031 BQM-117A excess unit cost growth   | 183,222        | 182,134<br>-1,088            |
| 14 DRONES AND DECOYS<br>Unjustified request   | 62,930         | 0<br>-62,930                 |
| 15 OTHER MISSILE SUPPORT  | 3,524          | 3,524                        |
| 16 LRASM<br>AUR excess unit cost growth<br>Navy requested transfer from line 8  | 226,022        | 219,662<br>-18,360<br>12,000 |
| 17 NAVAL STRIKE MISSILE (NSM)   | 59,034         | 59,034                       |
| 18 TOMAHAWK MODS  | 435,308        | 435,308                      |
| 19 ESSM<br>Unit cost adjustment   | 282,035        | 276,335<br>-5,700            |
| 20 AARGM<br>Program increase - AARGM-ER   | 131,275        | 181,275<br>50,000            |
| 21 STANDARD MISSILES MODS   | 71,198         | 71,198                       |

63A

| P-1   | Budget Request   | Final Bill         |
|---|------------------|--------------------|
| 22 WEAPONS INDUSTRIAL FACILITIES<br>Program increase  | 1,976            | 6,976<br>5,000     |
| 23 INDUSTRIAL PREPAREDNESS<br>Program increase - component capacity expansion                 | 0                | 100,000<br>100,000 |
| 25 ORDNANCE SUPPORT EQUIPMENT   | 40,793           | 40,793             |
| 26 SSTD   | 3,789            | 3,789              |
| 27 MK-48 TORPEDO  | 151,128          | 151,128            |
| 28 ASW TARGETS  | 14,403           | 14,403             |
| 29 MK-54 TORPEDO MODS<br>MK-54 KITS - MOD 1 unit cost growth                                  | 106,772          | 103,372<br>-3,400  |
| 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              |
| 35 SMALL ARMS AND WEAPONS   | 13,859           | 13,859             |
| 36 CIWS MODS  | 2,655            | 2,655              |
| 37 COAST GUARD WEAPONS  | 34,259           | 34,259             |
| 38 GUN MOUNT MODS<br>Program increase - operator ballistic protection for crew-served weapons | 81,725           | 106,725<br>25,000  |
| 39 LCS MODULE WEAPONS   | 4,580            | 4,580              |
| 40 AIRBORNE MINE NEUTRALIZATION SYSTEMS   | 8,710            | 8,710              |
| 42 SPARES AND REPAIR PARTS  | 170,041          | 170,041            |
| <b>TOTAL, WEAPONS PROCUREMENT, NAVY</b>   | <b>4,738,705</b> | <b>4,823,113</b>   |

63B

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

The agreement provides \$920,884,000 for Procurement of Ammunition, Navy and Marine Corps, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 64A-B

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

| P-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>1 GENERAL PURPOSE BOMBS</b>                      | <b>47,198</b>  | <b>35,159</b>  |
| Q2181 laser guided bombs CCG excess to need         |                | -5,866         |
| Q2187 laser guided bombs AFGs excess to need        |                | -3,179         |
| Q2032 FMU-139 electronic fuse system excess to need |                | -2,994         |
| <b>2 JDAM</b>                                       | <b>76,688</b>  | <b>76,688</b>  |
| <b>3 AIRBORNE ROCKETS, ALL TYPES</b>                | <b>70,005</b>  | <b>70,005</b>  |
| <b>4 MACHINE GUN AMMUNITION</b>                     | <b>20,586</b>  | <b>17,366</b>  |
| 20MM linkless, TP excess to need                    |                | -3,220         |
| <b>5 PRACTICE BOMBS</b>                             | <b>51,109</b>  | <b>44,524</b>  |
| Q1050 BLU-109 inert excess growth                   |                | -1,540         |
| Prior year underexecution                           |                | -2,266         |
| Q1010 Mk-76 excess to need                          |                | -2,779         |
| <b>6 CARTRIDGES &amp; CART ACTUATED DEVICES</b>     | <b>72,534</b>  | <b>71,391</b>  |
| Obsolescence previously funded                      |                | -1,143         |
| <b>7 AIR EXPENDABLE COUNTERMEASURES</b>             | <b>114,475</b> | <b>107,300</b> |
| MJU-61 previously funded                            |                | -1,559         |
| IR Decoys program rephasing                         |                | -5,616         |
| <b>8 JATOS</b>                                      | <b>7,096</b>   | <b>7,096</b>   |
| <b>9 5 INCH/54 GUN AMMUNITION</b>                   | <b>30,018</b>  | <b>20,471</b>  |
| Ammunition hardware excess unit cost growth         |                | -9,547         |
| <b>10 INTERMEDIATE CALIBER GUN AMMUNITION</b>       | <b>40,089</b>  | <b>27,870</b>  |
| AL100 ammunition hardware previously funded         |                | -12,219        |
| <b>11 OTHER SHIP GUN AMMUNITION</b>                 | <b>42,707</b>  | <b>39,595</b>  |
| 20MM MK244 ELC cartridge unit cost growth           |                | -3,112         |
| <b>12 SMALL ARMS &amp; LANDING PARTY AMMO</b>       | <b>49,023</b>  | <b>44,552</b>  |
| Program decrease                                    |                | -4,471         |
| <b>13 PYROTECHNIC AND DEMOLITION</b>                | <b>9,480</b>   | <b>9,480</b>   |
| <b>14 AMMUNITION LESS THAN \$5 MILLION</b>          | <b>1,622</b>   | <b>1,622</b>   |
| <b>14A EXPEDITIONARY LOITERING MUNITIONS</b>        | <b>0</b>       | <b>13,000</b>  |
| Program increase - GOALKEEPER LLTM only             |                | 13,000         |
| <b>15 MORTARS</b>                                   | <b>71,214</b>  | <b>62,713</b>  |
| Mortar 81MM HE Frag unjustified growth              |                | -8,501         |
| <b>16 DIRECT SUPPORT MUNITIONS</b>                  | <b>65,169</b>  | <b>52,241</b>  |
| C386 CTG, 84MM, TP 552 (MAAWS) excess to need       |                | -12,928        |

64A

| P-1  | Budget Request   | Final Bill     |
|--|------------------|----------------|
| <b>17 INFANTRY WEAPONS AMMUNITION</b>                          | <b>225,271</b>   | <b>161,803</b> |
| A059 hardware unjustified growth                               |                  | -45,210        |
| A151 hardware unjustified growth                               |                  | -15,004        |
| CTG, 5.56MM Marking M1042 blue excess to need                  |                  | -2,032         |
| CTG, 5.56MM Marking M1042 red excess to need                   |                  | -1,222         |
| <b>18 COMBAT SUPPORT MUNITIONS</b>                             | <b>19,691</b>    | <b>19,691</b>  |
| <b>19 AMMO MODERNIZATION</b>                                   | <b>17,327</b>    | <b>17,327</b>  |
| <b>20 ARTILLERY MUNITIONS</b>                                  | <b>15,514</b>    | <b>15,514</b>  |
| <b>21 ITEMS LESS THAN \$5 MILLION</b>                          | <b>5,476</b>     | <b>5,476</b>   |
| <b>TOTAL, PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS</b> | <b>1,052,292</b> | <b>920,884</b> |

64B

SHIPBUILDING AND CONVERSION, NAVY

The agreement provides \$31,955,124,000 for Shipbuilding and Conversion, Navy, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

e Insert 65A-B

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

| P-1  | Budget Request   | Final Bill                               |
|--|------------------|--|
| <b>1 COLUMBIA CLASS SUBMARINE</b>  | <b>3,079,223</b> | <b>3,079,223</b>                         |
| <b>2 COLUMBIA CLASS SUBMARINE (AP-CY)</b>  | <b>2,778,553</b> | <b>2,778,553</b>                         |
| SSBN 827 AP (IFF 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]                                |
| <b>3 CARRIER REPLACEMENT PROGRAM (CVN 80)</b><br>Government-furnished equipment ahead of need                                      | <b>1,481,530</b> | <b>1,465,880</b><br>-15,650              |
| <b>4 CARRIER REPLACEMENT PROGRAM (CVN-81)</b>  | <b>1,052,024</b> | <b>1,052,024</b>                         |
| <b>5 VIRGINIA CLASS SUBMARINE</b>  | <b>4,534,184</b> | <b>4,534,184</b>                         |
| <b>6 VIRGINIA CLASS SUBMARINE (AP-CY)</b>  | <b>2,025,651</b> | <b>2,025,651</b>                         |
| 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]                                |
| <b>8 CVN REFUELING OVERHAULS (AP-CY)</b><br>Unjustified electronics cost growth  | <b>618,295</b>   | <b>612,081</b><br>-6,214                 |
| <b>9 DDG 1000</b>  | <b>72,976</b>    | <b>72,976</b>                            |
| <b>10 DDG-51</b><br>Program increase - one additional DDG-51<br>Program increase - large surface combatant shipyard infrastructure | <b>4,376,537</b> | <b>6,946,537</b><br>2,190,000<br>380,000 |
| <b>11 DDG-51 (AP-CY)</b><br>Program increase - advance procurement for additional DDG-51   | <b>618,352</b>   | <b>695,652</b><br>77,300                 |
| <b>13 FFG-FRIGATE</b><br>Program increase - frigate industrial base and workforce development                                      | <b>1,085,224</b> | <b>1,135,224</b><br>50,000               |
| <b>14 FFG-FRIGATE (AP-CY)</b><br>Advance procurement unjustified request   | <b>74,949</b>    | <b>0</b><br>-74,949                      |
| <b>15 LPD FLIGHT II</b>  | <b>1,673,000</b> | <b>1,673,000</b>                         |
| <b>16 LPD FLIGHT II (AP-CY)</b><br>Program increase - advance procurement for LPD 33   | <b>0</b>         | <b>250,000</b><br>250,000                |

65A

| P-1  | Budget Request    | Final Bill           |
|--|-------------------|----------------------|
| 20 LHA REPLACEMENT<br>Program increase - advance procurement for LHA 10                                      | 1,085,470         | 1,374,470<br>289,000 |
| 21 EXPEDITIONARY FAST TRANSPORT (EPF)<br>Program increase - two additional Expeditionary Medical Ships (EMS) | 0                 | 645,000<br>645,000   |
| 22 TAO FLEET OILER<br>Excessive cost growth  | 794,719           | 782,588<br>-12,131   |
| 24 TOWING, SALVAGE, AND RESCUE SHIP (ATS)  | 95,915            | 95,915               |
| 27 OUTFITTING  | 707,412           | 707,412              |
| 28 SHIP TO SHORE CONNECTOR<br>Program increase - three additional SSC  | 190,433           | 454,533<br>264,100   |
| 29 SERVICE CRAFT   | 21,056            | 21,056               |
| 29A AUXILIARY PERSONNEL LIGHTER (APL)<br>Program increase - auxiliary personnel lighter                      | 47,218            | 71,218<br>24,000     |
| 30 LCAC SLEP   | 36,301            | 36,301               |
| 31 AUXILIARY VESSELS (USED SEALIFT)<br>Unit cost overestimation  | 140,686           | 133,000<br>-7,686    |
| 32 COMPLETION OF PY SHIPBUILDING PROGRAMS<br>Excess cost to complete   | 1,328,146         | 1,312,646<br>-15,500 |
| <b>TOTAL, SHIPBUILDING AND CONVERSION, NAVY</b>  | <b>27,917,854</b> | <b>31,955,124</b>    |

65B

#### SUBMARINE CONSTRUCTION PERFORMANCE

The agreement fully supports the fiscal year 2023 President's budget request for the Columbia class submarines (CLB) and the Virginia class submarines (VCS), but notes continued concern over both the VCS construction cost and schedule performance and CLB schedule variances. The agreement further notes that for the first time since fiscal year 2010, the budget request includes funds for cost overruns for VCS program construction-related performance overruns. Therefore, to ensure transparency of future cost and schedule estimates, 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 agreement provides \$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) to fund supplier development, shipyard infrastructure, strategic outsourcing, workforce development, and technology opportunities. The Secretary of the Navy is directed to submit a report to the congressional defense committees not later than 60 days after the 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

The Secretary of the Navy is directed to submit to the congressional defense committees a report 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 with the submission of the fiscal year 2024 President's budget request. 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.

OTHER PROCUREMENT, NAVY

The agreement provides \$12,138,590,000 for Other Procurement, Navy, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 67A-G

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

| <b>P-1</b>   | <b>Budget Request</b> | <b>Final Bill</b>                           |
|--|-----------------------|---|
| <b>1 SURFACE POWER EQUIPMENT</b>   | <b>46,478</b>         | <b>46,478</b>                               |
| <b>2 SURFACE COMBATANT HM&amp;E</b><br>HM&E condition system unjustified growth  | <b>84,615</b>         | <b>74,585</b><br>-10,030                    |
| <b>3 OTHER NAVIGATION EQUIPMENT</b><br>Amphib production engineering unjustified request<br>AN/WSN-12 kit unjustified growth<br>Navigation critical distribution system installation unjustified request | <b>98,079</b>         | <b>87,800</b><br>-4,580<br>-2,500<br>-3,199 |
| <b>4 SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG</b><br>PL015 periscope interim contractor support unjustified request  | <b>266,300</b>        | <b>261,011</b><br>-5,289                    |
| <b>5 DDG MOD</b><br>Excess growth  | <b>770,341</b>        | <b>744,341</b><br>-26,000                   |
| <b>6 FIREFIGHTING EQUIPMENT</b><br>Magazine sprinkling improvement kits excess growth  | <b>19,687</b>         | <b>18,552</b><br>-1,135                     |
| <b>7 COMMAND AND CONTROL SWITCHBOARD</b>   | <b>2,406</b>          | <b>2,406</b>                                |
| <b>8 LHA/LHD MIDLIFE</b>   | <b>38,200</b>         | <b>38,200</b>                               |
| <b>9 LCC 19/20 EXTENDED SERVICE LIFE PROGRAM</b>   | <b>20,028</b>         | <b>20,028</b>                               |
| <b>10 POLLUTION CONTROL EQUIPMENT</b><br>OPA improvements installation excess growth   | <b>17,682</b>         | <b>11,607</b><br>-6,075                     |
| <b>11 SUBMARINE SUPPORT EQUIPMENT</b><br>VA class machinery control system modernization previously funded   | <b>117,799</b>        | <b>116,575</b><br>-1,224                    |
| <b>12 VIRGINIA CLASS SUPPORT EQUIPMENT</b>   | <b>32,300</b>         | <b>32,300</b>                               |
| <b>13 LCS CLASS SUPPORT EQUIPMENT</b><br>Program increase - water purification technology<br>Program increase - bromine free water systems   | <b>15,238</b>         | <b>22,238</b><br>5,000<br>2,000             |
| <b>14 SUBMARINE BATTERIES</b>  | <b>24,137</b>         | <b>24,137</b>                               |
| <b>15 LPD CLASS SUPPORT EQUIPMENT</b><br>HW/SW obsolescence kits excess growth   | <b>54,496</b>         | <b>53,350</b><br>-1,146                     |
| <b>16 DDG 1000 CLASS SUPPORT EQUIPMENT</b>   | <b>314,333</b>        | <b>314,333</b>                              |
| <b>17 STRATEGIC PLATFORM SUPPORT EQUIP</b>   | <b>13,504</b>         | <b>13,504</b>                               |
| <b>18 DSSP EQUIPMENT</b>   | <b>3,660</b>          | <b>3,660</b>                                |
| <b>19 CG MODERNIZATION</b>   | <b>59,054</b>         | <b>59,054</b>                               |
| <b>20 LCAC</b>   | <b>17,452</b>         | <b>17,452</b>                               |

67A

| P-1   | Budget Request | Final Bill                         |
|---|----------------|------------------------------------|
| 21 UNDERWATER EOD EQUIPMENT   | 35,417         | 35,417                             |
| 22 ITEMS LESS THAN \$5 MILLION  | 60,812         | 60,812                             |
| 23 CHEMICAL WARFARE DETECTORS   | 3,202          | 3,202                              |
| 25 SHIP MAINTENANCE, REPAIR, AND MODERNIZATION<br>Program increase - Boise submarine maintenance  | 1,242,532      | 1,642,532<br>400,000               |
| 26 REACTOR POWER UNITS  | 4,690          | 4,690                              |
| 27 REACTOR COMPONENTS   | 408,989        | 408,989                            |
| 28 DIVING AND SALVAGE EQUIPMENT   | 11,773         | 11,773                             |
| 29 STANDARD BOATS<br>Program increase - 40-foot patrol boat<br>Program increase - diesel fuel outboard motor testing<br>Program increase - small boat engine upgrades   | 57,262         | 88,562<br>20,000<br>2,000<br>9,300 |
| 30 OPERATING FORCES IPE   | 174,743        | 174,743                            |
| 31 LCS COMMON MISSION MODULES EQUIPMENT<br>Mission module display modernization unit cost growth  | 57,313         | 54,883<br>-2,430                   |
| 32 LCS MCM MISSION MODULES<br>Minesweeping payload delivery system previously funded<br>Program increase  | 94,987         | 92,495<br>-4,692<br>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<br>Program increase - condition-based maintenance for combat and communication systems<br>Program increase - USS FORT WORTH, USS TORTUGA, USS GERMANTOWN, USS GUNSTON HALL, USS ASHLAND | 76,526         | 116,026<br>12,000<br>27,500        |
| 36 SMALL & MEDIUM UUV   | 49,763         | 49,763                             |
| 37 SPQ-9B RADAR   | 12,063         | 12,063                             |
| 38 AN/SQQ-89 SURF ASW COMBAT SYSTEM<br>AN/SQQ-89A(V)15 installation excess growth   | 141,591        | 140,157<br>-1,434                  |
| 39 SSN ACOUSTIC EQUIPMENT   | 446,653        | 446,653                            |
| 40 UNDERSEA WARFARE SUPPORT EQUIPMENT   | 17,424         | 17,424                             |
| 41 SUBMARINE ACOUSTIC WARFARE SYSTEM  | 31,708         | 31,708                             |
| 42 SSTD   | 14,325         | 14,325                             |
| 43 FIXED SURVEILLANCE SYSTEM  | 266,228        | 266,228                            |

(67B)

| P-1  | Budget Request | Final Bill |
|--|----------------|------------|
| 44 SURTASS   | 25,030         | 25,030     |
| 45 AN/SLQ-32   | 292,417        | 292,417    |
| 46 SHIPBOARD IW EXPLOIT  | 311,210        | 289,974    |
| 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     |
| 47 AUTOMATED IDENTIFICATION SYSTEM (AIS)                         | 2,487          | 2,487      |
| 48 COOPERATIVE ENGAGEMENT CAPABILITY                             | 34,500         | 33,200     |
| Carryover  |                | -1,300     |
| 49 NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)                 | 19,038         | 19,038     |
| 50 ATDLS   | 73,675         | 73,675     |
| 51 NAVY COMMAND AND CONTROL SYSTEM (NCCS)                        | 3,435          | 3,435      |
| 52 MINESWEEPING SYSTEM REPLACEMENT                               | 16,336         | 16,336     |
| 54 NAVSTAR GPS RECEIVERS (SPACE)                                 | 30,439         | 30,439     |
| 55 AMERICAN FORCES RADIO AND TV SERVICE                          | 2,724          | 2,724      |
| 56 STRATEGIC PLATFORM SUPPORT EQUIP                              | 6,266          | 6,266      |
| 57 ASHORE ATC EQUIPMENT  | 89,396         | 89,396     |
| 58 AFLOAT ATC EQUIPMENT  | 86,732         | 79,591     |
| AN/SPN-50 unit cost growth                                       |                | -3,359     |
| AN/SPN-50 excess support costs                                   |                | -1,013     |
| AN/SPN-46 block IV excess growth                                 |                | -2,769     |
| 59 ID SYSTEMS  | 59,226         | 59,226     |
| 60 JOINT PRECISION APPROACH AND LANDING SYSTEM (JPALS)           | 8,186          | 8,186      |
| 61 NAVAL MISSION PLANNING SYSTEMS                                | 26,778         | 25,092     |
| Next generation naval mission planning system unjustified growth |                | -1,686     |
| 62 MARITIME INTEGRATED BROADCAST SYSTEM                          | 3,520          | 3,520      |
| 63 TACTICAL/MOBILE C4I SYSTEMS                                   | 31,840         | 27,434     |
| Tech refresh 2.1.2 systems excess growth                         |                | -2,202     |
| Tech refresh 2.1.2 systems installation unjustified growth       |                | -2,204     |
| 64 DCGS-N  | 15,606         | 15,606     |
| 65 CANES   | 402,550        | 402,550    |
| 66 RADIAC  | 9,062          | 7,647      |
| Radiological detection system previously funded                  |                | -1,415     |
| 67 CANES-INTELL  | 48,665         | 48,665     |

67C

| P-1   | Budget Request | Final Bill |
|---|----------------|------------|
| 68 GPETE  | 23,479         | 23,479     |
| 69 MASF   | 11,792         | 11,792     |
| 70 INTEG COMBAT SYSTEM TEST FACILITY                                      | 6,053          | 6,053      |
| 71 EMI CONTROL INSTRUMENTATION  | 4,219          | 4,219      |
| 72 ITEMS LESS THAN \$5 MILLION  | 102,846        | 88,951     |
| Historical underexecution   |                | -17,250    |
| AMDR O&S backend equipment sustainment unjustified growth                 |                | -1,645     |
| Program increase - modernized personnel transfer systems                  |                | 5,000      |
| 73 SHIPBOARD TACTICAL COMMUNICATIONS                                      | 36,941         | 36,941     |
| 74 SHIP COMMUNICATIONS AUTOMATION   | 101,691        | 101,691    |
| 75 COMMUNICATIONS ITEMS UNDER \$5M  | 55,290         | 54,140     |
| BFTN design services agency previously funded                             |                | -1,150     |
| 76 SUBMARINE BROADCAST SUPPORT  | 91,150         | 91,150     |
| 77 SUBMARINE COMMUNICATION EQUIPMENT                                      | 74,569         | 74,569     |
| 78 SATELLITE COMMUNICATIONS SYSTEMS                                       | 39,827         | 39,827     |
| 79 NAVY MULTIBAND TERMINAL (NMT)  | 24,586         | 24,586     |
| 80 JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)                            | 4,699          | 2,651      |
| Unjustified growth  |                | -2,048     |
| 81 INFO SYSTEMS SECURITY PROGRAM (ISSP)                                   | 156,034        | 156,034    |
| 82 MIO INTEL EXPLOITATION TEAM  | 1,055          | 1,055      |
| 83 CRYPTOLOGIC COMMUNICATIONS EQUIP                                       | 18,832         | 28,832     |
| Program increase - Service Tactical Signal Intelligence (SIGINT) upgrades |                | 10,000     |
| 92 COAST GUARD EQUIPMENT  | 68,556         | 63,347     |
| Historical underexecution   |                | -5,209     |
| 94 SONOBUOYS - ALL TYPES  | 291,670        | 303,520    |
| Program increase - additional sonobuoys                                   |                | 11,850     |
| 95 MINOTAUR   | 5,247          | 5,247      |
| 96 WEAPONS RANGE SUPPORT EQUIPMENT  | 106,209        | 106,209    |
| 97 AIRCRAFT SUPPORT EQUIPMENT   | 275,461        | 272,044    |
| Air launch & recovery equipment support growth                            |                | -3,417     |
| 98 ADVANCED ARRESTING GEAR (AAG)  | 22,717         | 13,544     |
| Non-recurring engineering early to need                                   |                | -9,173     |
| 99 ELECTROMAGNETIC AIRCRAFT LAUNCH SYSTEM (EMALS)                         | 18,594         | 18,594     |

(67D)

| P-1   | Budget Request | Final Bill   |
|---|----------------|--|
| 100 METEOROLOGICAL EQUIPMENT  | 15,175         | 15,175   |
| 101 LEGACY AIRBORNE MCM   | 4,689          | 4,689  |
| 102 LAMPS EQUIPMENT   | 1,610          | 1,610  |
| 103 AVIATION SUPPORT EQUIPMENT<br>ASIP-SY126 unjustified growth   | 86,409         | 82,118<br>-4,291   |
| 104 UMCS-UNMAN CARRIER AVIATION (UCA) MISSION CNTRL<br>Ship change document previously funded   | 136,647        | 134,726<br>-1,921  |
| 105 SHIP GUN SYSTEMS EQUIPMENT  | 5,902          | 5,902  |
| 106 HARPOON SUPPORT EQUIPMENT   | 217            | 217  |
| 107 SHIP MISSILE SUPPORT EQUIPMENT<br>I-Stalker various contract award delays<br>SSDS production support unjustified growth<br>MK57 UCEU hardware procurement unit cost growth<br>OTH WS installation unjustified growth<br>Launcher Min-Mod Blk 2 capability hardware excess to need<br>Program increase - SPY-1 low noise amplifier refurbishment and upgrade | 286,788        | 276,632<br>-2,177<br>-6,867<br>-2,188<br>-3,128<br>-1,196<br>5,400 |
| 108 TOMAHAWK SUPPORT EQUIPMENT<br>TTWCS product improvement cost growth   | 95,856         | 92,270<br>-3,586   |
| 109 STRATEGIC MISSILE SYSTEMS EQUIP   | 279,430        | 279,430  |
| 110 SSN COMBAT CONTROL SYSTEMS  | 128,874        | 128,874  |
| 111 ASW SUPPORT EQUIPMENT<br>Program increase - Secure Autonomous Data Link for Undersea Warfare (USW) Portable Ranges (SADL-UP)  | 26,920         | 35,720<br>8,800  |
| 112 EXPLOSIVE ORDNANCE DISPOSAL EQUIP<br>VN870 tech insertion and refresh unjustified growth  | 17,048         | 14,336<br>-2,712   |
| 113 ITEMS LESS THAN \$5 MILLION   | 5,938          | 5,938  |
| 114 ANTI-SHIP MISSILE DECOY SYSTEM  | 86,264         | 86,264   |
| 115 SUBMARINE TRAINING DEVICE MODS  | 80,591         | 80,591   |
| 116 SURFACE TRAINING EQUIPMENT<br>Program increase - surface training advanced virtual environment  | 198,695        | 203,695<br>5,000   |
| 117 PASSENGER CARRYING VEHICLES   | 4,799          | 4,799  |
| 118 GENERAL PURPOSE TRUCKS  | 2,542          | 2,542  |
| 119 CONSTRUCTION & MAINTENANCE EQUIP<br>Earthmoving equipment previously funded<br>Program increase - GPS laser leveling systems for Seabees  | 50,619         | 50,001<br>-5,218<br>4,600  |

67E

| P-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>120 FIRE FIGHTING EQUIPMENT</b>   | <b>16,305</b>  | <b>16,305</b>  |
| <b>121 TACTICAL VEHICLES</b>   | <b>28,586</b>  | <b>26,276</b>  |
| JLTV unit cost growth  |                | -2,310         |
| <b>122 POLLUTION CONTROL EQUIPMENT</b>   | <b>2,840</b>   | <b>2,840</b>   |
| <b>123 ITEMS LESS THAN \$5 MILLION</b>   | <b>64,311</b>  | <b>55,200</b>  |
| Stake/flat bed unit cost growth  |                | -1,932         |
| Special purpose vehicles previously funded   |                | -2,675         |
| 2500 KVA, 5KV/15KV unit cost growth  |                | -2,076         |
| 5000 AMP, 480 V load distribution switchgear unit cost growth                            |                | -2,428         |
| <b>124 PHYSICAL SECURITY VEHICLES</b>  | <b>1,263</b>   | <b>1,263</b>   |
| <b>125 SUPPLY EQUIPMENT</b>  | <b>32,338</b>  | <b>32,338</b>  |
| <b>126 FIRST DESTINATION TRANSPORTATION</b>  | <b>6,255</b>   | <b>6,255</b>   |
| <b>127 SPECIAL PURPOSE SUPPLY SYSTEMS</b>  | <b>613,039</b> | <b>613,039</b> |
| <b>128 TRAINING SUPPORT EQUIPMENT</b>  | <b>1,285</b>   | <b>1,285</b>   |
| <b>129 TRAINING AND EDUCATION EQUIPMENT</b>  | <b>44,618</b>  | <b>44,618</b>  |
| <b>130 COMMAND SUPPORT EQUIPMENT</b>   | <b>55,728</b>  | <b>38,774</b>  |
| Historical unobligated balances  |                | -3,637         |
| MOC baseline equipment unjustified growth  |                | -13,317        |
| <b>131 MEDICAL SUPPORT EQUIPMENT</b>   | <b>5,325</b>   | <b>25,325</b>  |
| Program increase - fleet hospital program  |                | 10,000         |
| Program increase - expeditionary medical facilities                                      |                | 10,000         |
| <b>133 NAVAL MIP SUPPORT EQUIPMENT</b>   | <b>6,077</b>   | <b>6,077</b>   |
| <b>134 OPERATING FORCES SUPPORT EQUIPMENT</b>  | <b>16,252</b>  | <b>13,784</b>  |
| Mobile aircraft training devices previously funded                                       |                | -205           |
| Utility float previously funded  |                | -725           |
| 3 tier/4 tier plus - paint float previously funded                                       |                | -303           |
| Hydro pneumatic sub fender previously funded   |                | -1,235         |
| <b>135 C4ISR EQUIPMENT</b>   | <b>6,497</b>   | <b>6,497</b>   |
| <b>136 ENVIRONMENTAL SUPPORT EQUIPMENT</b>   | <b>36,592</b>  | <b>36,592</b>  |
| <b>137 PHYSICAL SECURITY EQUIPMENT</b>   | <b>118,598</b> | <b>107,372</b> |
| Historical unobligated balances  |                | -5,770         |
| Physical security access control installation perimeter access control previously funded |                | -4,586         |
| Physical security access control enclaves electronic security systems previously funded  |                | -870           |
| <b>138 ENTERPRISE INFORMATION TECHNOLOGY</b>   | <b>29,407</b>  | <b>29,407</b>  |
| <b>142 NEXT GENERATION ENTERPRISE SERVICE</b>  | <b>201,314</b> | <b>201,314</b> |
| <b>143 CYBERSPACE ACTIVITIES</b>   | <b>5,018</b>   | <b>5,018</b>   |

67F

| P-1   | Budget Request    | Final Bill        |
|---|-------------------|-------------------|
| <b>144 CYBER MISSION FORCES</b>   | 17,115            | 17,115            |
| <b>999 CLASSIFIED PROGRAMS</b>  | 17,295            | 30,895            |
| Classified adjustment   |                   | 13,600            |
| <b>145 SPARES AND REPAIR PARTS</b>  | 532,313           | 582,313           |
| 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) |                   | 50,000            |
| <b>TOTAL, OTHER PROCUREMENT, NAVY</b>   | <b>11,746,503</b> | <b>12,138,590</b> |

(67G)

DDG 51 LIGHTWEIGHT ADVANCED DEGAUSSING MINE PROTECTION SYSTEM

The agreement 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

The agreement provides \$3,669,510,000 for Procurement, Marine Corps. as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 69A-C

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

| P-1  | Budget Request | Final Bill                          |
|--|----------------|-------------------------------------|
| 1 AAV7A1 PIP   | 5,653          | 5,653                               |
| 2 AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES<br>ILS excess growth  | 536,678        | 527,079<br>-9,599                   |
| 3 LAV PIP<br>M&S tactical communication modernization kits previously funded<br>TCM kit ancillary equipment unjustified request  | 57,099         | 52,355<br>-1,360<br>-3,384          |
| 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                              |
| 7 TOMAHAWK   | 42,958         | 42,958                              |
| 8 NAVAL STRIKE MISSILE (NSM)   | 174,369        | 174,369                             |
| 9 GROUND BASED AIR DEFENSE<br>Prior year underexecution  | 173,801        | 169,927<br>-3,874                   |
| 10 ANTI-ARMOR MISSILE-JAVELIN<br>Unit cost savings   | 18,495         | 16,678<br>-1,817                    |
| 11 FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS)   | 21,419         | 21,419                              |
| 12 ANTI-ARMOR MISSILE-TOW  | 663            | 663                                 |
| 13 GUIDED MLRS ROCKET (GMLRS)  | 7,605          | 7,605                               |
| 14 COMMON AVIATION COMMAND AND CONTROL SYSTEM<br>(CAC2S)   | 30,292         | 30,292                              |
| 15 REPAIR AND TEST EQUIPMENT<br>CBM+ test systems unjustified request<br>Automatic test equipment unjustified growth<br>Program increase - unit-level 3-D print capabilities | 58,024         | 50,277<br>-6,680<br>-5,567<br>4,500 |
| 16 MODIFICATION KITS   | 293            | 293                                 |
| 17 ITEMS UNDER \$5 MILLION (COMM & ELEC)<br>Program increase - squad binocular night vision goggle   | 83,345         | 93,345<br>10,000                    |
| 18 AIR OPERATIONS C2 SYSTEMS   | 11,048         | 11,048                              |
| 19 GROUND/AIR TASK ORIENTED RADAR (G/ATOR)<br>Program increase - eight additional AN/TPS-80 G/ATOR radars  | 61,943         | 365,943<br>304,000                  |
| 20 GCSS-MC   | 1,663          | 1,663                               |

69A

| P-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>21 FIRE SUPPORT SYSTEM</b>                              | <b>48,322</b>  | <b>44,822</b>  |
| Mobile shelter modernization early to need                 |                | -3,500         |
| <b>22 INTELLIGENCE SUPPORT EQUIPMENT</b>                   | <b>182,894</b> | <b>141,859</b> |
| Prior year underexecution                                  |                | -15,000        |
| Tactical SIGINT collection system unjustified request      |                | -26,035        |
| <b>24 UNMANNED AIR SYSTEMS (INTEL)</b>                     | <b>47,595</b>  | <b>42,249</b>  |
| Short range unmanned air systems excess to need            |                | -5,346         |
| <b>25 DCGS-MC</b>  | <b>47,998</b>  | <b>39,673</b>  |
| Prior year underexecution                                  |                | -3,700         |
| GEOINT capabilities unjustified request                    |                | -4,625         |
| <b>26 UAS PAYLOADS</b>                                     | <b>8,619</b>   | <b>8,619</b>   |
| <b>29 MARINE CORPS ENTERPRISE NETWORK (MCEN)</b>           | <b>276,763</b> | <b>241,151</b> |
| End user devices excess growth                             |                | -23,380        |
| DPRI network infrastructure early to need                  |                | -12,232        |
| <b>30 COMMON COMPUTER RESOURCES</b>                        | <b>40,096</b>  | <b>35,096</b>  |
| Audio video equipment unjustified request                  |                | -5,000         |
| <b>31 COMMAND POST SYSTEMS</b>                             | <b>58,314</b>  | <b>53,438</b>  |
| H2C2 unjustified request                                   |                | -4,876         |
| <b>32 RADIO SYSTEMS</b>                                    | <b>612,450</b> | <b>519,965</b> |
| MCHH VIK unit cost growth                                  |                | -16,613        |
| TWTS LRS FoS TEAMS II contract award delay                 |                | -11,985        |
| Unit cost growth   |                | -28,650        |
| Ground link-16 unjustified request                         |                | -16,400        |
| Multi-channel manpack radio unjustified request            |                | -32,837        |
| Program increase - next generation troposcatter (NGT)      |                | 14,000         |
| <b>33 COMM SWITCHING &amp; CONTROL SYSTEMS</b>             | <b>51,976</b>  | <b>43,543</b>  |
| Operational command post unjustified request               |                | -8,433         |
| <b>34 COMM &amp; ELEC INFRASTRUCTURE SUPPORT</b>           | <b>26,029</b>  | <b>26,029</b>  |
| <b>35 CYBERSPACE ACTIVITIES</b>                            | <b>17,759</b>  | <b>17,759</b>  |
| <b>36 CYBER MISSION FORCES</b>                             | <b>4,036</b>   | <b>4,036</b>   |
| <b>CLASSIFIED PROGRAMS</b>                                 | <b>3,884</b>   | <b>3,884</b>   |
| <b>39 COMMERCIAL CARGO VEHICLES</b>                        | <b>35,179</b>  | <b>33,161</b>  |
| Garrison transportation and management unjustified request |                | -2,018         |
| <b>40 MOTOR TRANSPORT MODIFICATIONS</b>                    | <b>17,807</b>  | <b>17,807</b>  |
| <b>41 JOINT LIGHT TACTICAL VEHICLE</b>                     | <b>222,257</b> | <b>214,751</b> |
| Unit cost overestimation                                   |                | -7,506         |
| <b>43 TRAILERS</b>   | <b>2,721</b>   | <b>2,721</b>   |

(69B)

| P-1   | Budget Request   | Final Bill                    |
|---|------------------|-------------------------------|
| 45 TACTICAL FUEL SYSTEMS  | 7,854            | 7,854                         |
| 46 POWER EQUIPMENT ASSORTED   | 5,841            | 5,841                         |
| 47 AMPHIBIOUS SUPPORT EQUIPMENT<br>TRUAS quantities previously funded                       | 38,120           | 34,920<br>-3,200              |
| 48 EOD SYSTEMS<br>MFEW mounted systems quantities previously funded<br>MEGFoS early to need | 201,047          | 153,915<br>-10,338<br>-36,794 |
| 49 PHYSICAL SECURITY EQUIPMENT<br>Collateral equipment early to need                        | 69,967           | 54,431<br>-15,536             |
| 50 FIELD MEDICAL EQUIPMENT  | 21,780           | 21,780                        |
| 51 TRAINING DEVICES<br>Unjustified growth   | 86,272           | 68,061<br>-18,211             |
| 52 FAMILY OF CONSTRUCTION EQUIPMENT   | 27,605           | 27,605                        |
| 53 ULTRA-LIGHT TACTICAL VEHICLE (ULTV)  | 15,033           | 15,033                        |
| 54 ITEMS LESS THAN \$5 MILLION  | 26,433           | 26,433                        |
| 55 SPARES AND REPAIR PARTS  | 34,799           | 34,799                        |
| <b>TOTAL, PROCUREMENT MARINE CORPS</b>  | <b>3,681,506</b> | <b>3,669,510</b>              |

69C

AIRCRAFT PROCUREMENT, AIR FORCE

The agreement provides \$22,196,175,000 for Aircraft Procurement, Air Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 70A-E

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

| <b>P-1</b>   | <b>Budget Request</b> | <b>Final Bill</b> |
|--|-----------------------|-------------------|
| <b>1 B-21 RAIDER</b>   | <b>1,498,431</b>      | <b>1,298,431</b>  |
| Classified adjustment  |                       | -135,000          |
| Air Force-requested transfer to line 2                               |                       | -65,000           |
| <b>2 B-21 RAIDER (AP-CY)</b>   | <b>288,165</b>        | <b>353,165</b>    |
| Air Force-requested transfer from line 1                             |                       | 65,000            |
| <b>3 F-35</b>  | <b>3,320,757</b>      | <b>4,245,468</b>  |
| Program increase - F135 engine repair facility test modules          |                       | 27,000            |
| Air Force-requested transfer from line 4 for unit cost increase      |                       | 115,000           |
| NRE excess to need   |                       | -36,589           |
| Program increase - restore eleven aircraft to lots 15-17             |                       | 819,300           |
| <b>4 F-35 (AP-CY)</b>  | <b>594,886</b>        | <b>236,702</b>    |
| EOQ unjustified request  |                       | -243,184          |
| Air Force-requested transfer to line 3 for unit cost increase        |                       | -115,000          |
| <b>5 F-15EX</b>  | <b>2,422,348</b>      | <b>2,317,368</b>  |
| Overestimation of initial spares                                     |                       | -28,200           |
| Unjustified growth - other support costs                             |                       | -76,780           |
| <b>6 F-15EX (AP-CY)</b>  | <b>264,000</b>        | <b>264,000</b>    |
| <b>7 KC-46A MDAP</b>   | <b>2,684,503</b>      | <b>2,458,717</b>  |
| Boom actuator ECP ahead of need                                      |                       | -63,412           |
| G-SIL ahead of need  |                       | -129,274          |
| ATS forward financed   |                       | -33,100           |
| <b>8 C-130J</b>  | <b>75,293</b>         | <b>1,775,293</b>  |
| Program increase - 16 additional aircraft for the Air National Guard |                       | 1,700,000         |
| <b>9 MC-130J</b>   | <b>40,351</b>         | <b>40,351</b>     |
| <b>11 ADVANCED TRAINER REPLACEMENT T-X</b>                           | <b>10,507</b>         | <b>10,507</b>     |
| <b>12 MH-139A</b>  | <b>156,192</b>        | <b>186,192</b>    |
| Program increase - MH-139A training systems and support equipment    |                       | 30,000            |
| <b>13 COMBAT RESCUE HELICOPTER</b>                                   | <b>707,018</b>        | <b>1,205,995</b>  |
| Airframe unit cost adjustment  |                       | -12,100           |
| Unjustified growth - obsolescence                                    |                       | -35,695           |
| Depot standup costs previously funded                                |                       | -5,778            |
| Other flyaway cost adjustment  |                       | -17,450           |
| Program increase - ten additional aircraft and associated spares     |                       | 570,000           |
| <b>15 CIVIL AIR PATROL A/C</b>                                       | <b>2,952</b>          | <b>11,600</b>     |
| Program increase   |                       | 8,648             |
| <b>16 TARGET DRONES</b>  | <b>128,906</b>        | <b>113,706</b>    |
| Excess to need   |                       | -15,200           |

70A

| <b>P-1</b>   | <b>Budget Request</b> | <b>Final Bill</b>  |
|--|-----------------------|--|
| <b>17 COMPASS CALL</b><br>Program increase - four additional EC-37B aircraft   | <b>0</b>              | <b>553,700</b><br>553,700  |
| <b>18 E-11 BACN/HAG</b><br>Air Force-requested transfer to line 64 for BACN  | <b>67,260</b>         | <b>66,847</b><br>-413  |
| <b>19 MQ-9</b><br>Other government costs excess growth   | <b>17,039</b>         | <b>16,039</b><br>-1,000  |
| <b>21 AGILITY PRIME PROCUREMENT</b><br>Lack of clear acquisition or fielding strategy  | <b>3,612</b>          | <b>0</b><br>-3,612   |
| <b>21A PALE ALE</b><br>Program increase - SOUTHCOM maritime patrol aircraft  | <b>0</b>              | <b>28,500</b><br>28,500  |
| <b>22 B-2A</b><br>Adaptable communications suite ahead of need   | <b>106,752</b>        | <b>89,217</b><br>-17,535   |
| <b>23 B-1B</b>   | <b>36,313</b>         | <b>36,313</b>  |
| <b>24 B-52</b><br>VLF/LF delays<br>CONNECT forward financed<br>Air Force-requested transfer to line 69 for crypto mod upgrade spares<br>Air Force-requested transfer to line 69 for VLF/LF spares          | <b>127,854</b>        | <b>106,784</b><br>-1,825<br>-12,300<br>-4,293<br>-2,652            |
| <b>25 LARGE AIRCRAFT INFRARED COUNTERMEASURES</b><br>Program increase - C-40 LAIRCM upgrades   | <b>25,286</b>         | <b>37,286</b><br>12,000  |
| <b>26 A-10</b>   | <b>83,972</b>         | <b>83,972</b>  |
| <b>27 E-11 BACN/HAG</b><br>Program increase  | <b>10,309</b>         | <b>20,609</b><br>10,300  |
| <b>28 F-15</b>   | <b>194,379</b>        | <b>194,379</b>   |
| <b>29 F-16</b><br>Overestimation of SLEP induction rate<br>SMDS unclear acquisition plan<br>Program increase - HUD upgrade<br>Program increase - AESA radars only for Air National Guard<br>MMC/PDG delays | <b>700,455</b>        | <b>741,334</b><br>-14,500<br>-7,990<br>40,000<br>53,000<br>-29,631 |
| <b>30 F-22A</b><br>Sensor enhancements program decrease<br>SE group B installs   | <b>764,222</b>        | <b>747,933</b><br>-7,400<br>-8,889                                 |
| <b>31 F-35 MODIFICATIONS</b><br>Block 4 interim contractor support unjustified growth<br>Program decrease  | <b>414,382</b>        | <b>333,096</b><br>-8,863<br>-72,423                                |
| <b>32 F-15 EPAW</b>  | <b>259,837</b>        | <b>259,837</b>   |

70B

| P-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>34 KC-46A MDAP</b>  | <b>467</b>     | <b>467</b>     |
| <b>35 C-5</b>  | <b>46,027</b>  | <b>15,673</b>  |
| Air Force-requested transfer to line 64 for MAF training                                   |                | -12,354        |
| Air Force-requested transfer to line 73A for maintenance training simulator                |                | -18,000        |
| <b>36 C-17A</b>  | <b>152,009</b> | <b>142,653</b> |
| Air Force-requested transfer from RDTE,AF line 53 for engine pylon fairings and microvanes |                | 5,500          |
| ARC-210 unit cost adjustment   |                | -14,856        |
| <b>37 C-32A</b>  | <b>4,068</b>   | <b>4,068</b>   |
| <b>38 C-37A</b>  | <b>6,062</b>   | <b>6,062</b>   |
| <b>39 GLIDER MODS</b>  | <b>149</b>     | <b>149</b>     |
| <b>40 T-6</b>  | <b>6,215</b>   | <b>6,215</b>   |
| <b>41 T-1</b>  | <b>6,262</b>   | <b>6,262</b>   |
| <b>42 T-38</b>   | <b>111,668</b> | <b>97,485</b>  |
| MFD/EED ahead of need  |                | -30,633        |
| Program increase - T-38 ejection seat upgrade  |                | 16,450         |
| <b>44 U-2</b>  | <b>81,650</b>  | <b>81,650</b>  |
| <b>45 KC-10</b>  | <b>3,443</b>   | <b>1,722</b>   |
| Overestimation of service bulletins  |                | -1,721         |
| <b>46 C-21</b>   | <b>2,024</b>   | <b>2,024</b>   |
| <b>47 VC-25A MOD</b>   | <b>2,146</b>   | <b>2,146</b>   |
| <b>48 C-40</b>   | <b>2,197</b>   | <b>37,197</b>  |
| Program increase - C-40C FAA satellite communication upgrades                              |                | 25,000         |
| Program increase - C-40C SATCOM upgrades   |                | 10,000         |
| <b>49 C-130</b>  | <b>114,268</b> | <b>224,702</b> |
| Low cost mods reduction for historical execution   |                | -800           |
| Air Force-requested transfer from RDTE,AF line 53 for C-130 finlets                        |                | 17,500         |
| Program increase - eight blade propeller upgrade   |                | 60,700         |
| Program increase - engine enhancement program  |                | 41,200         |
| Program increase - improved modular airborne firefighting system                           |                | 20,000         |
| 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         |

700

| <b>P-1</b>  | <b>Budget Request</b> | <b>Final Bill</b> |
|---|-----------------------|-------------------|
| <b>50 C-130J MODS</b>   | <b>112,299</b>        | <b>112,299</b>    |
| <b>51 C-135</b>   | <b>149,023</b>        | <b>144,557</b>    |
| COMM 2 crypto and data ahead of need  |                       | -16,875           |
| Air Force-requested transfer from RDTE,AF line 53 for drag reduction and vertical windshield wipers |                       | 19,500            |
| Overestimation of annual block 45 installations   |                       | -5,562            |
| RPI A-kit delays  |                       | -1,529            |
| <b>52 COMPASS CALL MODS</b>   | <b>16,630</b>         | <b>327,330</b>    |
| Program increase - four additional aircraft modifications   |                       | 320,600           |
| Baseline 3 non-recurring engineering excess to need   |                       | -9,900            |
| <b>53 RC-135</b>  | <b>212,828</b>        | <b>213,428</b>    |
| Program increase - service tactical intelligence (SIGINT) upgrades                                  |                       | 600               |
| <b>54 E-3</b>   | <b>54,247</b>         | <b>29,187</b>     |
| ACIP ahead of need  |                       | -25,060           |
| <b>55 E-4</b>   | <b>5,973</b>          | <b>5,973</b>      |
| <b>56 E-8</b>   | <b>16,610</b>         | <b>0</b>          |
| Excess to need due to planned divestiture   |                       | -16,610           |
| <b>59 H-1</b>   | <b>1,757</b>          | <b>1,757</b>      |
| <b>60 H-60</b>  | <b>10,820</b>         | <b>10,820</b>     |
| <b>61 COMBAT RESCUE HELICOPTER MODIFICATION</b>   | <b>3,083</b>          | <b>3,083</b>      |
| <b>62 RQ-4 MODS</b>   | <b>1,286</b>          | <b>1,286</b>      |
| <b>63 HC/MC-130 MODS</b>  | <b>138,956</b>        | <b>109,785</b>    |
| MC/AC MUOS installations ahead of need  |                       | -9,171            |
| Air Force-requested transfer to line 73B to establish a post production support line                |                       | -20,000           |
| <b>64 OTHER AIRCRAFT</b>  | <b>29,029</b>         | <b>41,796</b>     |
| Air Force-requested transfer from line 35 for MAF training  |                       | 12,354            |
| Air Force-requested transfer from line 18 for BACN  |                       | 413               |
| <b>65 MQ-9 MODS</b>   | <b>64,370</b>         | <b>211,507</b>    |
| Program increase - M2DO modification acceleration   |                       | 150,700           |
| Link-16 kit buys ahead of need  |                       | -3,563            |
| <b>67 SENIOR LEADER C3, SYSTEM - AIRCRAFT</b>   | <b>24,784</b>         | <b>24,784</b>     |
| <b>68 CV-22 MODS</b>  | <b>153,026</b>        | <b>153,026</b>    |

700

| P-1   | Budget Request    | Final Bill        |
|---|-------------------|-------------------|
| <b>69 INITIAL SPARES/REPAIR PARTS</b>   | <b>623,661</b>    | <b>677,253</b>    |
| MQ-9 carryover  |                   | -700              |
| B-1B radio crypto ahead of need   |                   | -891              |
| Program increase - F135 engine spares   |                   | 100,000           |
| HH-60W spares excess to need  |                   | -39,923           |
| KC-46A contract delay   |                   | -40,000           |
| Air Force-requested transfer from line 24 for crypto mod upgrade spares               |                   | 4,293             |
| Air Force-requested transfer from line 24 for VLF/LF spares                           |                   | 2,652             |
| Program increase - EC-37B spare components  |                   | 9,361             |
| Program increase - RC-135 spares  |                   | 18,800            |
| <b>70 AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT</b>                                      | <b>138,935</b>    | <b>138,935</b>    |
| <b>71 B-2A</b>  | <b>1,802</b>      | <b>1,802</b>      |
| <b>72 B-2B</b>  | <b>36,325</b>     | <b>36,325</b>     |
| <b>73 B-52</b>  | <b>5,883</b>      | <b>5,883</b>      |
| <b>73A C-5 POST PRODUCTION SUPPORT</b>  | <b>0</b>          | <b>18,000</b>     |
| Air Force-requested transfer from line 35 for maintenance training simulator          |                   | 18,000            |
| <b>73B HC/MC-130J POST PRODUCTION SUPPORT</b>   | <b>0</b>          | <b>20,000</b>     |
| Air Force-requested transfer from line 63 to establish a post production support line |                   | 20,000            |
| <b>74 F-15</b>  | <b>2,764</b>      | <b>2,764</b>      |
| <b>75 F-16</b>  | <b>5,102</b>      | <b>5,102</b>      |
| <b>77 MQ9 POST PROD</b>   | <b>7,069</b>      | <b>7,069</b>      |
| <b>78 RQ-4 POST PRODUCTION CHARGES</b>  | <b>40,845</b>     | <b>40,845</b>     |
| <b>79 INDUSTRIAL RESPONSIVENESS</b>   | <b>19,128</b>     | <b>35,328</b>     |
| Program increase - tactical aircraft industrial infrastructure                        |                   | 16,200            |
| <b>80 WAR CONSUMABLES</b>   | <b>31,165</b>     | <b>31,165</b>     |
| <b>81 OTHER PRODUCTION CHARGES</b>  | <b>1,047,300</b>  | <b>1,305,178</b>  |
| Classified adjustment   |                   | 257,878           |
| <b>999 CLASSIFIED PROGRAMS</b>  | <b>18,092</b>     | <b>18,092</b>     |
| <b>TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE</b>   | <b>18,517,428</b> | <b>22,196,175</b> |

70E

#### F-15EX

The agreement includes \$2,317,368,000 for 24 F-15EX aircraft, a reduction of \$104,980,000 and the same number of aircraft included in the request. The agreement directs the Secretary of the Air Force to procure the full number of aircraft appropriated by the agreement and to apply the funding reduction to initial spares and other support costs as indicated by the table titled "Explanation of Project Level Adjustments" included under this account heading. The agreement is based on the understanding that the Air Force will not award the production of these aircraft through an undefinitized contractual action as has been the practice for prior lots of aircraft. This language replaces the language under this heading in House Report 117-388.

#### 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 agreement notes that these aircraft possess approximately 15 years of service life and are being upgraded with advanced avionics and propulsion. Given the ever-increasing importance of the polar regions in our National Defense Strategy, and our adversaries' excursion into those regions, the Congress believes that this vital capability must be maintained, modernized, and eventually replaced in an appropriate and timely fashion.

The agreement therefore 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 provides an additional \$1,000,000 in Operation and Maintenance, Air Force to conduct the studies and analyses to inform those requirements. The agreement further 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 the 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.

#### CLASSIC ASSOCIATIONS

The agreement 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. The agreement therefore 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 House and Senate Appropriations Committees.

#### TRUNCATION OF EXISTING PRODUCTION PROGRAMS

The fiscal year 2023 President's budget request includes ten Combat Rescue Helicopters (CRH), which is less than the 20 CRH previously planned. The agreement therefore recommends an additional \$570,000,000 for ten additional CRH and associated spares. It is concerning 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 strategy sees the F-15EX planned procurement objective reduced from 144 to 80 aircraft and the CRH procurement objective reduced from 113 to 75 aircraft. Both programs are in the relatively early stages of production and provide modern capabilities, but the new strategy ends CRH production after this fiscal year and F-15EX production after fiscal year 2024.

While trade-offs occur to support force readiness and 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. The reduction in the F-15EX program, for example, leaves in doubt the status and future of F-15C/D units, several of which are housed in the Air National Guard. The agreement therefore directs the Secretary of the Air Force to submit a report to the congressional defense committees, concurrent 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, strategic basing impacts, cost avoidance by fiscal year, quantity change, and the rationale for truncation.

#### F-15EX CONFORMAL FUEL TANKS

Conformal fuel tanks (CFT) have the capacity to extend the range and increase the lethality of F-15EX aircraft. The Secretary of the Air Force is directed to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act on the Air Force's plans to equip F-15EX aircraft with CFT, including the potential procurement of new CFT that are in production.

MISSILE PROCUREMENT, AIR FORCE

The agreement provides \$2,999,346,000 for Missile Procurement, Air Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

INSOY + 74A

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

| P-1  | Budget Request   | Final Bill                 |
|--|------------------|----------------------------|
| 1 MISSILE REPLACEMENT EQUIPMENT-BALLISTIC (M30GLG)<br>PADS CEIU delays   | 57,476           | 55,476<br>-2,000           |
| 4 LONG RANGE STAND-OFF WEAPON  | 31,454           | 31,454                     |
| 5 REPLACEMENT EQUIPMENT & WAR CONSUMABLES  | 30,510           | 30,510                     |
| 6 AGM-183A AIR-LAUNCHED RAPID RESPONSE WEAPON<br>Excess to need  | 46,566           | 0<br>-46,566               |
| 7 JASSM  | 784,971          | 784,971                    |
| 8 LRASMO<br>Unit cost growth - AUR   | 114,025          | 105,989<br>-8,036          |
| 9 SIDEWINDER (AIM-9X)  | 111,855          | 111,855                    |
| 10 AMRAAM  | 320,056          | 320,056                    |
| 11 HELLFIRE  | 1,040            | 1,040                      |
| 12 SMALL DIAMETER BOMB   | 46,475           | 46,475                     |
| 13 SMALL DIAMETER BOMB II<br>Program increase - Small Diameter Bomb II   | 279,006          | 379,006<br>100,000         |
| 14 STAND-IN ATTACK WEAPON (SIAW)   | 77,975           | 77,975                     |
| 15 INDUSTRIAL PREPAREDNESS   | 868              | 868                        |
| 18 ICBM FUZE MOD   | 99,691           | 99,691                     |
| 19 ICBM FUZE MOD (AP-CY)   | 37,673           | 37,673                     |
| 20 MINUTEMAN III MODIFICATIONS<br>Remote Visual Assessment Phase II program delays<br>Arm/Disarm Switch Replacement program delays | 68,193           | 61,724<br>-2,000<br>-4,469 |
| 22 ALCM  | 33,778           | 33,778                     |
| 23 MISSILE SPARES / REPAIR PARTS (INITIAL)   | 15,354           | 15,354                     |
| 24 MISSILE SPARES / REPAIR PARTS (REPLEN)  | 62,978           | 62,978                     |
| 28 SPECIAL UPDATE PROGRAMS   | 36,933           | 36,933                     |
| 999 CLASSIFIED PROGRAMS  | 705,540          | 705,540                    |
| <b>TOTAL, MISSILE PROCUREMENT, AIR FORCE</b>   | <b>2,962,417</b> | <b>2,999,346</b>           |

79A

PROCUREMENT OF AMMUNITION, AIR FORCE

The agreement provides \$857,722,000 for Procurement of Ammunition, Air Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 75A

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

| P-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>1 ROCKETS</b>   | <b>22,190</b>  | <b>22,190</b>  |
| <b>2 CARTRIDGES</b>  | <b>124,164</b> | <b>117,064</b> |
| Small cal/ground munitions - (B519) 40MM practice M781 budget growth not justified by quantity             |                | -1,500         |
| Small cal/ground munitions - (BA21) 40MM practice day/night linked budget growth not justified by quantity |                | -1,000         |
| Medium cal ammo - (B104) 30MM PGU-13/B budget growth not justified by quantity                             |                | -4,600         |
| <b>4 GENERAL PURPOSE BOMBS</b>   | <b>162,800</b> | <b>148,102</b> |
| Practice bombs - FDT transfer to line 12   |                | -500           |
| Prior year underexecution  |                | -14,198        |
| <b>5 MASSIVE ORDNANCE PENETRATOR (MOP)</b>   | <b>19,743</b>  | <b>19,743</b>  |
| <b>6 JOINT DIRECT ATTACK MUNITION</b>  | <b>251,956</b> | <b>251,956</b> |
| <b>8 CAD/PAD</b>   | <b>50,473</b>  | <b>48,473</b>  |
| Prior year underexecution  |                | -2,000         |
| <b>9 EXPLOSIVE ORDNANCE DISPOSAL</b>   | <b>6,343</b>   | <b>6,343</b>   |
| <b>10 SPARES AND REPAIR PARTS</b>  | <b>573</b>     | <b>573</b>     |
| <b>12 FIRST DESTINATION TRANSPORTATION</b>   | <b>1,903</b>   | <b>3,025</b>   |
| Transfer from line 4   |                | 500            |
| Transfer from line 16  |                | 4,622          |
| Excess growth  |                | -4,000         |
| <b>13 ITEMS LESS THAN \$5M</b>   | <b>5,014</b>   | <b>5,014</b>   |
| <b>14 EXPENDABLE COUNTERMEASURES</b>   | <b>120,548</b> | <b>120,548</b> |
| <b>15 FUZES</b>  | <b>121,528</b> | <b>102,918</b> |
| Reduce carryover   |                | -18,610        |
| <b>16 SMALL ARMS</b>   | <b>16,395</b>  | <b>11,773</b>  |
| Transfer to line 12 for first destination transportation   |                | -4,622         |
| <b>TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE</b>   | <b>903,630</b> | <b>857,722</b> |

75A

OTHER PROCUREMENT, AIR FORCE

The agreement provides \$28,034,122,000 for Other Procurement, Air Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 76A-D

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

| P-1   | Budget Request | Final Bill                  |
|---|----------------|-----------------------------|
| 1 PASSENGER CARRYING VEHICLES   | 2,446          | 2,446                       |
| 2 MEDIUM TACTICAL VEHICLE   | 1,125          | 1,125                       |
| 3 CAP VEHICLES<br>Program increase - Civil Air Patrol   | 999            | 1,900<br>901                |
| 4 CARGO AND UTILITY VEHICLES  | 35,220         | 35,220                      |
| 5 JOINT LIGHT TACTICAL VEHICLE  | 60,461         | 60,461                      |
| 6 SECURITY AND TACTICAL VEHICLES  | 382            | 382                         |
| 7 SPECIAL PURPOSE VEHICLES  | 49,623         | 49,623                      |
| 8 FIRE FIGHTING/CRASH RESCUE VEHICLES   | 11,231         | 11,231                      |
| 9 MATERIALS HANDLING EQUIPMENT<br>Air Force-requested transfer from OM,ANG line 11G   | 12,559         | 15,259<br>2,700             |
| 10 RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT   | 6,409          | 6,409                       |
| 11 BASE MAINTENANCE SUPPORT VEHICLES  | 72,012         | 72,012                      |
| 13 COMSEC EQUIPMENT<br>In-line network encryptors previously funded   | 96,851         | 92,654<br>-4,197            |
| 14 STRATEGIC MICROELECTRONIC SUPPLY SYSTEM  | 467,901        | 467,901                     |
| 15 INTERNATIONAL INTEL TECH & ARCHITECTURES   | 7,043          | 7,043                       |
| 16 INTELLIGENCE TRAINING EQUIPMENT  | 2,424          | 2,424                       |
| 17 INTELLIGENCE COMM EQUIPMENT  | 25,308         | 25,308                      |
| 18 AIR TRAFFIC CONTROL & LANDING SYSTEMS<br>Program increase - instrument landing system<br>Program increase - relocatable simulation shelter | 65,531         | 69,921<br>3,100<br>1,290    |
| 19 BATTLE CONTROL SYSTEM - FIXED  | 1,597          | 1,597                       |
| 20 THEATER AIR CONTROL SYSTEM IMPROVEMENTS<br>Unit cost increase and unobligated balances   | 9,611          | 6,611<br>-3,000             |
| 21 3D EXPEDITIONARY LONG-RANGE RADAR (3DELRR)<br>Initial production units early to need<br>Direct mission support early to need               | 174,640        | 93,111<br>-77,000<br>-4,529 |

76A

| P-1  | Budget Request | Final Bill |
|--|----------------|------------|
| 22 WEATHER OBSERVATION FORECAST  | 20,658         | 20,658     |
| 23 STRATEGIC COMMAND AND CONTROL   | 93,351         | 118,333    |
| Transfer from RDTE,AF line 278   |                | 216        |
| JADC2 early to need  |                | -5,972     |
| Transfer from RTDE,AF line 283   |                | 30,738     |
| 24 CHEYENNE MOUNTAIN COMPLEX   | 6,118          | 6,118      |
| 25 MISSION PLANNING SYSTEMS  | 13,947         | 13,947     |
| 27 INTEGRATED STRAT PLAN & ANALY NETWORK (ISPAN)                             | 0              | 4,740      |
| Transfer from RDTE,AF line 278   |                | 4,740      |
| 28 GENERAL INFORMATION TECHNOLOGY  | 101,517        | 101,517    |
| 29 AF GLOBAL COMMAND AND CONTROL SYSTEM                                      | 2,487          | 2,487      |
| 30 BATTLEFIELD AIRBORNE CONTROL NODE (BACN)                                  | 32,807         | 32,807     |
| 31 MOBILITY COMMAND AND CONTROL  | 10,210         | 10,210     |
| 32 AIR FORCE PHYSICAL SECURITY SYSTEM  | 0              | 89,484     |
| Air Force-requested transfer from line 999                                   |                | 89,484     |
| 35 COMBAT TRAINING RANGES  | 134,213        | 139,213    |
| Program increase - simplified planning execution analysis and reconstruction |                | 5,000      |
| MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS                                   |                |            |
| 36 NETWORK (MEECN)   | 66,294         | 53,244     |
| GASNTI1 install delays   |                | -13,050    |
| 37 WIDE AREA SURVEILLANCE (WAS)  | 29,518         | 29,518     |
| 38 C3 COUNTERMEASURES  | 55,324         | 137,369    |
| Transfer from RDTE,AF line 282   |                | 82,045     |
| 40 GCSS-AF FOS   | 786            | 786        |
| 41 DEFENSE ENTERPRISE ACCOUNTING & MGT SYS (DEAMS)                           | 0              | 3,156      |
| Transfer from RDTE,AF line 280   |                | 3,156      |
| 42 MAINTENANCE REPAIR & OVERHAUL INITIATIVE                                  | 248            | 248        |
| 43 THEATER BATTLE MGT C2 SYSTEM  | 275            | 275        |
| 44 AIR & SPACE OPERATIONS CENTER (AOC)                                       | 2,611          | 21,753     |
| Transfer from RDTE,AF line 279   |                | 19,142     |
| 46 BASE INFORMATION TRANSPT INFRAST (BITI) WIRED                             | 29,791         | 29,791     |

76B

| P-1 |   | Budget Request | Final Bill                          |
|-----|---|----------------|-------------------------------------|
| 47  | <b>AFNET</b><br>CSCS unjustified growth in PMA contractor services  | 83,320         | 80,320<br>-3,000                    |
| 48  | <b>JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)</b>  | 5,199          | 5,199                               |
| 49  | <b>USCENTCOM</b>  | 11,896         | 11,896                              |
| 50  | <b>USSTRATCOM</b>   | 4,619          | 4,619                               |
| 51  | <b>TACTICAL C-E EQUIPMENT</b>   | 120,050        | 120,050                             |
| 52  | <b>RADIO EQUIPMENT</b>  | 14,053         | 14,053                              |
| 54  | <b>BASE COMM INFRASTRUCTURE</b><br>Program increase - long range radar sites digitization   | 91,313         | 96,363<br>5,050                     |
| 55  | <b>COMM ELECT MODS</b><br>Air Force-requested transfer to RDTE,AF line 158  | 167,419        | 4,170<br>-163,249                   |
| 999 | <b>CLASSIFIED PROGRAMS</b><br>Air Force-requested transfer to line 32   | 89,484         | 0<br>-89,484                        |
| 56  | <b>PERSONAL SAFETY &amp; RESCUE EQUIPMENT</b><br>Program increase - handheld trace level chemical detection devices   | 92,995         | 102,995<br>10,000                   |
| 57  | <b>POWER CONDITIONING EQUIPMENT</b>   | 12,199         | 12,199                              |
| 58  | <b>MECHANIZED MATERIAL HANDLING EQUIPMENT</b>   | 9,326          | 9,326                               |
| 59  | <b>BASE PROCURED EQUIPMENT</b><br>Program increase - arctic equipment<br>Program increase - civil engineering survey equipment<br>Squadron-level 3-D print capabilities | 52,890         | 85,890<br>8,000<br>11,000<br>14,000 |
| 60  | <b>ENGINEERING AND EOD EQUIPMENT</b><br>EOD RADBO system early to need  | 231,552        | 191,552<br>-40,000                  |
| 61  | <b>MOBILITY EQUIPMENT</b>   | 28,758         | 28,758                              |
| 62  | <b>FUELS SUPPORT EQUIPMENT</b><br>Underexecution  | 21,740         | 12,740<br>-9,000                    |
| 63  | <b>BASE MAINTENANCE AND SUPPORT EQUIPMENT</b><br>Air Force-requested transfer from line 999   | 0              | 40,656<br>40,656                    |
| 65  | <b>DARP RC-135</b>  | 28,153         | 28,153                              |
| 66  | <b>DISTRIBUTED GROUND SYSTEMS (DCGS-AF)</b>   | 217,713        | 217,713                             |

76C

| P-1  | Budget Request    | Final Bill                                |
|--|-------------------|---|
| <b>70 SPECIAL UPDATE PROGRAM</b><br>Classified program adjustment                                  | 978,499           | <b>996,499</b><br>18,000                  |
| <b>71 SPARES AND REPAIR PARTS (CYBER)</b>  | 1,007             | <b>1,007</b>                              |
| <b>72 SPARES AND REPAIR PARTS</b><br>Underexecution  | 23,175            | <b>18,175</b><br>-5,000                   |
| <b>999 CLASSIFIED PROGRAMS</b><br>Classified adjustment<br>Air Force-requested transfer to line 63 | 21,859,943        | <b>24,113,497</b><br>2,294,210<br>-40,656 |
| <b>TOTAL, OTHER PROCUREMENT, AIR FORCE</b>   | <b>25,848,831</b> | <b>28,034,122</b>                         |

76D

BUDGET EXHIBITS

The Assistant Secretary of the Air Force (Financial Management and Comptroller) is directed 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, with the fiscal year 2024 President's budget request.

PROCUREMENT, SPACE FORCE

The agreement provides \$4,462,188,000 for Procurement, Space Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 78A-B

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

| P-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>2 AF SATELLITE COMM SYSTEM</b>   | <b>51,414</b>    | <b>45,963</b>    |
| Justification discrepancy   |                  | -1,860           |
| Lack of budget detail   |                  | -3,591           |
| <b>3 COUNTERSPACE SYSTEMS</b>   | <b>62,691</b>    | <b>60,241</b>    |
| Reduce carryover  |                  | -2,450           |
| <b>4 FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS</b>                                     | <b>26,394</b>    | <b>16,144</b>    |
| Underexecution  |                  | -10,250          |
| <b>5 WIDEBAND GAPPILLER SATELLITES (SPACE)</b>  | <b>21,982</b>    | <b>463,982</b>   |
| Program increase - protected wideband spacecraft                                      |                  | 442,000          |
| <b>6 GENERAL INFORMATION TECH - SPACE</b>   | <b>5,424</b>     | <b>5,424</b>     |
| <b>7 GPSIII FOLLOW ON</b>   | <b>657,562</b>   | <b>616,962</b>   |
| Excess to need  |                  | -10,600          |
| Anticipated cost savings  |                  | -30,000          |
| <b>8 GPS III SPACE SEGMENT</b>  | <b>103,340</b>   | <b>103,340</b>   |
| <b>9 GLOBAL POSITIONING (SPACE)</b>   | <b>950</b>       | <b>950</b>       |
| <b>10 HERITAGE TRANSITION</b>   | <b>21,896</b>    | <b>21,896</b>    |
| <b>11 SPACEBORNE EQUIP (COMSEC)</b>   | <b>29,587</b>    | <b>29,587</b>    |
| <b>12 MILSATCOM</b>   | <b>29,333</b>    | <b>29,333</b>    |
| <b>13 SBIR HIGH (SPACE)</b>   | <b>148,666</b>   | <b>148,666</b>   |
| <b>14 SPECIAL SPACE ACTIVITIES</b>  | <b>817,484</b>   | <b>871,054</b>   |
| Prior year carryover  |                  | -12,480          |
| Classified adjustment   |                  | 66,050           |
| <b>15 MOBILE USER OBJECTIVE SYSTEM</b>  | <b>46,833</b>    | <b>46,833</b>    |
| <b>16 NATIONAL SECURITY SPACE LAUNCH</b>  | <b>1,056,133</b> | <b>1,025,533</b> |
| Excess to need  |                  | -30,600          |
| <b>17 NUDET DETECTION SYSTEM</b>  | <b>7,062</b>     | <b>7,062</b>     |
| <b>18 PTES HUB</b>  | <b>42,464</b>    | <b>42,464</b>    |
| <b>19 ROCKET SYSTEMS LAUNCH PROGRAM</b>   | <b>39,145</b>    | <b>39,145</b>    |
| <b>20 SPACE DEVELOPMENT AGENCY LAUNCH</b>   | <b>314,288</b>   | <b>746,288</b>   |
| DAF requested transfer from RDTE, SF line 36  |                  | 216,000          |
| Program increase - Resilient Missile Warning and Missile Tracking launch acceleration |                  | 216,000          |

78A

| P-1                                    | Budget Request   | Final Bill       |
|--|------------------|------------------|
| 22 SPACE MODS<br>Prior year carryover  | 73,957           | 68,257<br>-5,700 |
| 23 SPACELIFT RANGE SYSTEM SPACE        | 71,712           | 71,712           |
| 24 SPARES AND REPAIR PARTS             | 1,352            | 1,352            |
| <b>TOTAL, PROCUREMENT, SPACE FORCE</b> | <b>3,629,669</b> | <b>4,462,188</b> |

78B

#### NATIONAL SECURITY SPACE LAUNCH

The agreement directs the Secretary of Defense and the Director of National Intelligence to utilize the Space Force launch enterprise phase 2 contract for National Security Space Launch 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.

#### PROTECTED WIDEBAND SATELLITE

The agreement includes \$442,000,000 to procure a protected wideband satellite to provide resilient, jam resistant tactical communications to support warfighter needs. The agreement directs the Secretary of the Air Force to provide a funding plan for launch and operation and maintenance activities to the congressional defense committees not later than 90 days after the enactment of this Act.

PROCUREMENT, DEFENSE-WIDE

The agreement provides \$6,139,674,000 for Procurement, Defense-Wide, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insev+ 80A-D

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

| P-1   | Budget Request | Final Bill         |
|---|----------------|--------------------|
| 1 MAJOR EQUIPMENT, DCSA   | 2,346          | 2,346              |
| 3 PERSONNEL ADMINISTRATION  | 4,522          | 4,522              |
| 11 INFORMATION SYSTEMS SECURITY   | 24,044         | 24,044             |
| 12 TELEPORT PROGRAM   | 50,475         | 50,475             |
| 13 JOINT FORCES HEADQUARTERS - DODIN<br>Program increase - network operations, cyberspace operations  | 674            | 30,674<br>30,000   |
| 14 ITEMS LESS THAN \$5M   | 46,614         | 46,614             |
| 15 DEFENSE INFORMATION SYSTEMS NETWORK<br>Program increase - unified video dissemination system Korea | 87,345         | 92,445<br>5,100    |
| 16 WHITE HOUSE COMMUNICATION AGENCY   | 130,145        | 130,145            |
| 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 (4ENO)  | 42,756         | 42,756             |
| 22 MAJOR EQUIPMENT, DLA   | 24,501         | 24,501             |
| 23 MAJOR EQUIPMENT, DMACT   | 11,117         | 11,117             |
| 24 AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS   | 2,048          | 2,048              |
| 25 MAJOR EQUIPMENT, DPAA  | 513            | 513                |
| 27 VEHICLES   | 139            | 139                |
| 28 OTHER MAJOR EQUIPMENT  | 14,296         | 14,296             |
| 30 THAAD SYSTEM<br>Program increase - 15 additional THAAD interceptors                                | 74,994         | 239,994<br>165,000 |
| 31 GROUND BASED MIDCOURSE   | 11,300         | 11,300             |
| 32 AEGIS BMD  | 402,235        | 402,235            |
| 34 BMDS AN/TPY-2 RADARS   | 4,606          | 4,606              |
| 35 AEGIS BMD SM-3 BLOCK IIA<br>Program increase - 14 additional SM-3 IIA interceptors                 | 337,975        | 669,975<br>332,000 |

80A

| P-1 |   | Budget Request | Final Bill |
|-----|---|----------------|------------|
| 36  | ISRAELI PROGRAMS (ARROW 3 UPPER TIER SYSTEMS)   | 80,000         | 80,000     |
| 37  | SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)   | 40,000         | 40,000     |
| 38  | DEFENSE OF GUAM PROCUREMENT   | 26,514         | 26,514     |
| 39  | AEGIS ASHORE PHASE III  | 30,056         | 30,056     |
| 40  | IRON DOME SYSTEM  | 80,000         | 80,000     |
| 41  | AEGIS BMD HARDWARE AND SOFTWARE   | 78,181         | 78,181     |
| 47  | INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)   | 6,738          | 6,738      |
| 50  | MAJOR EQUIPMENT, OSD  | 64,291         | 223,291    |
|     | Poor justification  |                | -14,000    |
|     | Accelerate the Procurement and Fielding of Innovative Technologies -<br>transfer from RDTE, DW line 276 |                | 100,000    |
|     | Program increase - Accelerate the Procurement and Fielding of<br>Innovative Technologies                |                | 50,000     |
|     | Program increase - small business and academia cybersecurity<br>maturity model certification            |                | 20,000     |
|     | Program increase - mentor-protégé program   |                | 3,000      |
| 52  | MAJOR EQUIPMENT, TJS  | 3,900          | 3,900      |
| 54  | MAJOR EQUIPMENT WHS   | 310            | 310        |
| 55  | ARMED OVERWATCH/TARGETING   | 246,000        | 246,000    |
| 56  | MANNED ISR  | 5,000          | 5,000      |
| 57  | MC-12   | 3,344          | 3,344      |
| 59  | SOF ROTARY WING UPGRADES AND SUSTAINMENT  | 214,575        | 223,092    |
|     | Program increase - aircraft loss  |                | 8,517      |
| 60  | UNMANNED ISR  | 41,749         | 43,749     |
|     | Program increase - COTS hardware for hosting UAS command and<br>control software                        |                | 2,000      |
| 61  | NON-STANDARD AVIATION   | 7,156          | 5,026      |
|     | C-27J carryover   |                | -2,130     |
| 62  | SOF U-28  | 4,589          | 4,589      |
| 63  | MH-47 CHINOOK   | 133,144        | 146,444    |
|     | Program increase - aircraft loss  |                | 13,300     |

80B

| <b>P-1</b> |   | <b>Budget Request</b> | <b>Final Bill</b> |
|------------|---|-----------------------|-------------------|
| <b>64</b>  | <b>CV-22 SOF MODIFICATION</b>   | <b>75,629</b>         | <b>79,215</b>     |
|            | Program increase - CV-22 link-16 capability UPL   |                       | 7,586             |
|            | Unjustified growth  |                       | -4,000            |
| <b>65</b>  | <b>MQ-9 UAV</b>   | <b>9,000</b>          | <b>14,000</b>     |
|            | Program increase - cyber security and continuous monitoring of serial bus systems             |                       | 5,000             |
| <b>66</b>  | <b>PRECISION STRIKE PACKAGE</b>   | <b>57,450</b>         | <b>57,450</b>     |
| <b>67</b>  | <b>AC/MC-130J</b>   | <b>225,569</b>        | <b>222,869</b>    |
|            | Excess to need  |                       | -2,700            |
| <b>68</b>  | <b>C-130 MODIFICATIONS</b>  | <b>11,945</b>         | <b>16,893</b>     |
|            | Program increase - MC-130 link-16 capability UPL  |                       | 4,948             |
| <b>69</b>  | <b>UNDERWATER SYSTEMS</b>   | <b>45,631</b>         | <b>52,631</b>     |
|            | Program increase - deep submergence collective propulsion                                     |                       | 7,000             |
| <b>70</b>  | <b>SOF ORDNANCE ITEMS UNDER \$5M</b>  | <b>151,233</b>        | <b>150,005</b>    |
|            | Program increase - maritime scalable effects (MSE) electronic warfare system acceleration UPL |                       | 3,705             |
|            | Munitions with datalink unit cost growth  |                       | -1,333            |
|            | MPE-M - transfer to RDTE, DW line 266   |                       | -3,600            |
| <b>71</b>  | <b>SOF INTELLIGENCE SYSTEMS</b>   | <b>175,616</b>        | <b>242,094</b>    |
|            | Program increase - enclosed spaces reconnaissance collection suite program                    |                       | 15,000            |
|            | Program increase - stalker VXE block 30 VTOL acceleration UPL                                 |                       | 28,478            |
|            | Program increase - austere location force protection kit deployment in AFRICOM/SOCAF          |                       | 13,000            |
|            | Program increase - multi-mission tactical unmanned aerial system program                      |                       | 10,000            |
| <b>72</b>  | <b>DCGS-SOF</b>   | <b>2,214</b>          | <b>2,214</b>      |
| <b>73</b>  | <b>SOF OTHER ITEMS UNDER \$5M</b>   | <b>98,096</b>         | <b>94,924</b>     |
|            | Excess to need  |                       | -1,962            |
|            | TACLAN-heavy suite CERP unit cost growth  |                       | -1,210            |
| <b>74</b>  | <b>SOF COMBATANT CRAFT SYSTEMS</b>  | <b>85,566</b>         | <b>85,566</b>     |
| <b>75</b>  | <b>SPECIAL PROGRAMS</b>   | <b>20,042</b>         | <b>120,042</b>    |
|            | Program increase - medium fixed wing recapitalization   |                       | 100,000           |
| <b>76</b>  | <b>TACTICAL VEHICLES</b>  | <b>51,605</b>         | <b>59,605</b>     |
|            | Program increase - purpose built non-standard commercial vehicle                              |                       | 8,000             |
| <b>77</b>  | <b>SOF WARRIOR SYSTEMS UNDER \$5M</b>   | <b>306,846</b>        | <b>352,629</b>    |
|            | Excess to need  |                       | -11,500           |
|            | Program increase - counter unmanned systems (CUxS) procurement acceleration UPL               |                       | 33,553            |
|            | Program increase - AFSOC force generation tactical communications UPL                         |                       | 18,730            |
|            | Program increase - resilient waveform communications capability                               |                       | 5,000             |

80c

| P-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>78 COMBAT MISSION REQUIREMENTS</b>   | <b>4,991</b>     | <b>4,991</b>     |
| <b>80 SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE</b>   | <b>18,723</b>    | <b>18,723</b>    |
| <b>81 SOF OPERATIONAL ENHANCEMENTS</b>  | <b>347,473</b>   | <b>368,227</b>   |
| Program increase - intelligence, surveillance, and reconnaissance (ISR) transceivers acceleration UPL |                  | 10,754           |
| Program increase - loitering munitions  |                  | 10,000           |
| <b>82 CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS</b>   | <b>199,439</b>   | <b>145,187</b>   |
| Program increase - joint chemical agent detector, solid liquid adapter (JCAD-SLA)                     |                  | 5,000            |
| JBTDS contract award delay  |                  | -11,193          |
| 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          |
| <b>83 CB PROTECTION AND HAZARD MITIGATION</b>   | <b>187,164</b>   | <b>173,354</b>   |
| 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           |
| <b>999 CLASSIFIED PROGRAMS</b>  | <b>681,894</b>   | <b>676,894</b>   |
| Classified adjustment   |                  | -5,000           |
| <b>TOTAL, PROCUREMENT, DEFENSE-WIDE</b>   | <b>5,245,500</b> | <b>6,139,674</b> |

80D

## DEFENSE PRODUCTION ACT PURCHASES

The agreement provides \$372,906,000 for Defense Production Act Purchases, as follows:

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

|  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>DEFENSE PRODUCTION ACT PURCHASES</b>                                      | <b>659,906</b> | <b>372,906</b> |
| Undistributed reduction  |                | -350,000       |
| Program increase - critical minerals recycling                               |                | 10,000         |
| Program increase - domestic aluminum castings                                |                | 23,000         |
| Program increase - heavy forging capacity improvement program                |                | 15,000         |
| Program increase - graphite, cobalt, and platinum mining feasibility studies |                | 15,000         |
| <b>TOTAL, DEFENSE PRODUCTION ACT PURCHASES</b>                               | <b>659,906</b> | <b>372,906</b> |

## NATIONAL GUARD AND RESERVE EQUIPMENT

The agreement provides \$1,000,000,000 for National Guard and Reserve Equipment, as follows:

### EXPLANATION OF PROJECT LEVEL ADJUSTMENTS (In thousands of dollars)

|  | Budget Request | Final Bill       |
|--|----------------|------------------|
| <b>ARMY NATIONAL GUARD</b>                         | <b>0</b>       | <b>335,000</b>   |
| Program increase - miscellaneous equipment         |                | 335,000          |
| <b>AIR NATIONAL GUARD</b>                          | <b>0</b>       | <b>305,000</b>   |
| Program increase - miscellaneous equipment         |                | 305,000          |
| <b>ARMY RESERVE</b>                                | <b>0</b>       | <b>137,000</b>   |
| Program increase - miscellaneous equipment         |                | 137,000          |
| <b>NAVY RESERVE</b>                                | <b>0</b>       | <b>55,000</b>    |
| Program increase - miscellaneous equipment         |                | 55,000           |
| <b>MARINE CORPS RESERVE</b>                        | <b>0</b>       | <b>18,000</b>    |
| Program increase - miscellaneous equipment         |                | 18,000           |
| <b>AIR FORCE RESERVE</b>                           | <b>0</b>       | <b>150,000</b>   |
| Program increase - miscellaneous equipment         |                | 150,000          |
| <b>TOTAL, NATIONAL GUARD AND RESERVE EQUIPMENT</b> | <b>0</b>       | <b>1,000,000</b> |

#### NATIONAL GUARD AND RESERVE EQUIPMENT

The agreement includes an appropriation of \$1,000,000,000. Of that amount, \$335,000,000 is for the Army National Guard; \$305,000,000 is for the Air National Guard; \$137,000,000 is for the Army Reserve; \$55,000,000 is for the Navy Reserve; \$18,000,000 is for the Marine Corps Reserve; and \$150,000,000 is for the Air Force Reserve to meet urgent equipment needs in the coming fiscal year. The agreement 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 the enactment of this Act.

The Secretary of Defense is directed to ensure that the National Guard and Reserve Equipment Account is executed by the Chiefs of the National Guard and reserve components with priority consideration given to the following items: acoustic hailing devices; airfield lighting system; aviation status dashboard; containerized ice making systems; crash-worthy ballistically tolerant auxiliary fuel systems; degraded visual environment systems; gamma radiation protection; integration of aluminum mesh secondary combustion ignition prevention technology for combat and logistics vehicle fuel tanks; KC-135 Aircraft Emergency Response Refuel Equipment Kit to enable forward area refueling/defueling systems; land surveying systems; lightweight, rapidly deployable, computer-based artillery call for fire training and simulation; modular small arms ranges and small arms training simulators and tools; pilot physiological monitoring systems; radiological screening portals; small unmanned aerial systems and tethered drones; software defined radios; special tactics squadrons and joint terminal attack controllers tethered drone; tactical rinse systems; UH-72A/B security and support mission equipment modernization; upgraded commercial-off-the-shelf ground mapping for C-130 aircraft; and vehicle-mounted and man-portable radiological nuclear detection systems.

**TITLE IV - RESEARCH, DEVELOPMENT, TEST AND EVALUATION**

The agreement provides \$139,760,526,000 in Title IV, Research, Development, Test and Evaluation, as follows:

~~(INSERT RDTE SUMMARY TABLE)~~

Insert 83A

(DOLLARS IN THOUSANDS)

|  | BUDGET<br>REQUEST | FINAL<br>BILL |
|--|-------------------|---------------|
| -----  |                   |               |
| RECAPITULATION   |                   |               |
| RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY.....            | 13,710,273        | 17,150,141    |
| RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY.....            | 24,082,618        | 26,017,309    |
| RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE.           | 43,889,183        | 44,946,927    |
| RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE<br>FORCE.....  | 15,819,372        | 16,631,377    |
| RESEARCH, DEVELOPMENT, TEST AND EVALUATION,<br>DEFENSE-WIDE..... | 32,080,052        | 34,565,478    |
| OPERATIONAL TEST AND EVALUATION, DEFENSE.....                    | 277,194           | 449,294       |
|  | -----             | -----         |
| GRAND TOTAL, RESEARCH, DEVELOPMENT, TEST AND<br>EVALUATION.....  | 129,858,692       | 139,760,526   |
|  | =====             | =====         |

83A

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

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

#### FUNDING INCREASES

The funding increases outlined in these tables shall be provided only for the specific purposes indicated in the tables. Additional guidance is provided in the overview of this explanatory statement.

#### RESEARCH, DEVELOPMENT, TEST AND EVALUATION SPECIAL INTEREST ITEMS

Items for which additional funds have been recommended or items for which funding is specifically reduced as shown in the project level tables detailing recommended adjustments or in paragraphs using the phrase "only for" or "only to" in the joint 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 elsewhere in the joint explanatory statement.

#### 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 agreement 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 agreement directs the Under Secretary of Defense for Acquisition and Sustainment to continue the previously established reporting requirements. Further, the agreement directs the Under Secretary of Defense for Acquisition and Sustainment, not later than 60 days following the 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.

#### REPORTING ON MID-TIER ACQUISITION AND RAPID PROTOTYPING PROGRAMS

The agreement notes support for efforts to deliver capability to the warfighter at an accelerated pace, such as through 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 agreement 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 agreement notes the Department of Defense's continued use of such acquisition authorities, and concern remains over 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, there is remaining concern 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, there is concern 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 agreement modifies 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 for 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, Services' 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.

#### SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS

The fiscal year 2023 President's budget request includes ten 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 agreement 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 Congress 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 received to date indicate that the Department is still implementing methods to capture the appropriate data that would allow an objective analysis for how a single budget activity improves the performance of software pilot programs. Therefore, the agreement recommends maintaining the Software and Digital Technology Pilot Programs in their current form, as detailed in title VIII of this Act. The 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 Explanation of Project Level Adjustments tables. Further, the agreement 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; and 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

The agreement provides \$17,150,141,000 for Research, Development, Test and Evaluation, Army, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 89A-R

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

| R-1  | Budget request | Final Bill     |
|--|----------------|----------------|
| <b>1 DEFENSE RESEARCH SCIENCES</b>   | <b>279,328</b> | <b>391,828</b> |
| Program increase - digital thread for advanced manufacturing                                 |                | 9,500          |
| Program increase - explosives and opioids dual-use UV detection                              |                | 10,000         |
| Program increase - joint research laboratories   |                | 18,000         |
| Program increase - renewable energy technologies   |                | 15,000         |
| Program increase - high entropy metallic alloys  |                | 5,000          |
| Program increase - center for UAS propulsion   |                | 5,000          |
| Program increase - unmanned aerial systems hybrid propulsion                                 |                | 10,000         |
| Program increase - artificial intelligence (AI) fusion                                       |                | 2,500          |
| Program increase - basic research  |                | 25,000         |
| Program increase - counter UAS technology research   |                | 5,000          |
| Program increase - sustainable aviation fuel propulsion                                      |                | 7,500          |
| <b>2 UNIVERSITY RESEARCH INITIATIVES</b>   | <b>70,775</b>  | <b>107,775</b> |
| Program increase - missile soldier touch point center  |                | 7,000          |
| Program increase - defense university research instrumentation program                       |                | 30,000         |
| <b>3 UNIVERSITY AND INDUSTRY RESEARCH CENTERS</b>  | <b>100,909</b> | <b>121,609</b> |
| Program increase - biotechnology advancements  |                | 4,000          |
| Program increase - infusion of cybersecurity concepts into non-technical high school courses |                | 2,000          |
| Program increase - next generation survival radio  |                | 3,800          |
| 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          |
| <b>4 CYBER COLLABORATIVE RESEARCH ALLIANCE</b>   | <b>5,355</b>   | <b>5,355</b>   |
| <b>5 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASIC RESEARCH</b>                         | <b>10,456</b>  | <b>10,456</b>  |
| <b>6 ARMY AGILE INNOVATION AND DEVELOPMENT-APPLIED RESEARCH</b>                              | <b>9,534</b>   | <b>1,000</b>   |
| Undefined acquisition strategy   |                | -8,534         |
| <b>8 COUNTER IMPROVISED-THREAT ADVANCED STUDIES</b>  | <b>6,192</b>   | <b>6,192</b>   |
| <b>9 LETHALITY TECHNOLOGY</b>  | <b>87,717</b>  | <b>194,717</b> |
| Program increase - collaborative networked armament lethality technology                     |                | 15,000         |
| Program increase - enhanced armament fire control  |                | 10,000         |
| Program increase - novel armament systems  |                | 15,000         |
| Program increase - quantum technologies for armament systems                                 |                | 10,000         |
| Program increase - turret gunner survivability and simulation environment                    |                | 5,000          |
| 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          |

(89A)

| R-1   | Budget request | Final Bill     |
|---|----------------|----------------|
| <b>10 ARMY APPLIED RESEARCH</b>   | <b>27,833</b>  | <b>27,833</b>  |
| <b>11 SOLDIER LETHALITY TECHNOLOGY</b>  | <b>103,839</b> | <b>253,539</b> |
| Program increase - advanced ballistic protection technology   |                | 25,000         |
| Program increase - enhancing soldier ballistic technologies   |                | 5,000          |
| Program increase - HEROES   |                | 10,000         |
| Program increase - military footwear research   |                | 10,000         |
| Program increase - Pathfinder Airborne  |                | 8,000          |
| Program increase - innovative training technologies   |                | 5,000          |
| Program increase - regional workforce pilot   |                | 10,000         |
| Program increase - nanolayered polymer optics   |                | 10,000         |
| 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 - Pathfinder adaptive experimentation force  |                | 5,000          |
| Program increase - Pathfinder cyber initiatives   |                | 12,000         |
| Program increase - soldier and small unit tactical energy technology                                  |                | 3,000          |
| Program increase - lithium-ion battery cell research pilot  |                | 9,000          |
| <b>12 GROUND TECHNOLOGY</b>   | <b>52,848</b>  | <b>257,748</b> |
| Program increase - autonomous digital design  |                | 5,000          |
| Program increase - carbon nanomaterials as functional additives                                       |                | 6,500          |
| Program increase - defense resiliency against extreme cold weather                                    |                | 11,000         |
| Program increase - defense resiliency platform addressing extreme cold weather                        |                | 10,000         |
| Program increase - electrolyzer   |                | 7,000          |
| Program increase - environmental quality enhanced coatings  |                | 5,000          |
| Program increase - extreme battery technologies   |                | 10,000         |
| Program increase - flexible hybrid electronics  |                | 15,000         |
| Program increase - functional polymeric materials and composites for extreme temperature environments |                | 5,000          |
| Program increase - high performance polymer composites and coatings                                   |                | 10,000         |
| Program increase - integrity of transparent armor   |                | 4,400          |
| Program increase - lightweight high entropy metallic alloy discovery collaboration                    |                | 5,000          |
| Program increase - polar proving ground   |                | 5,000          |
| Program increase - advanced ceramic technologies  |                | 2,000          |
| Program increase - alternative energy research  |                | 20,000         |
| Program increase - cold region research   |                | 5,000          |
| Program increase - detection and defeat of buried munitions   |                | 4,000          |
| Program increase - earthen structures soil enhancement  |                | 4,000          |
| Program increase - ground technology for chemical and biological defense                              |                | 1,000          |
| Program increase - logistics over-the-shore capabilities  |                | 10,000         |
| Program increase - materials recovery technologies for defense supply resiliency                      |                | 10,000         |
| 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         |

89B

|  | Budget request | Final Bill     |
|--|----------------|----------------|
| <b>13 NEXT GENERATION COMBAT VEHICLE TECHNOLOGY</b>  | <b>174,090</b> | <b>277,590</b> |
| Program increase - advanced materials development for survivability                            |                | 10,000         |
| Program increase - digital design and simulated testing  |                | 5,000          |
| Program increase - highly electrified vehicles   |                | 3,000          |
| Program increase - machine learning optimized power electronics                                |                | 3,000          |
| Program increase - prototyping energy smart autonomous ground systems                          |                | 10,000         |
| Program increase - silicon carbide electronics   |                | 6,000          |
| Program increase - solid oxide fuel cell development   |                | 5,000          |
| Program increase - advanced manufacturing for combat logistics support                         |                | 2,000          |
| 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 - 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          |
| <b>14 NETWORK C3I TECHNOLOGY</b>   | <b>64,115</b>  | <b>212,115</b> |
| Program increase - beyond-line-of-sight networking enhancement                                 |                | 5,000          |
| Program increase - energy efficient devices  |                | 10,000         |
| Program increase - EW and advanced sensing   |                | 6,500          |
| Program increase - inertial navigation systems   |                | 11,500         |
| Program increase - man portable doppler radar  |                | 10,000         |
| Program increase - waveform diversity experimental research for sensors                        |                | 5,000          |
| Program increase - biological sensors for remote environments                                  |                | 9,000          |
| Program increase - spectrum sharing and management with adaptive and reconfigurable technology |                | 5,000          |
| 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          |
| <b>15 LONG RANGE PRECISION FIRES TECHNOLOGY</b>  | <b>43,029</b>  | <b>128,529</b> |
| Program increase - advanced graphitic foam for long-range precision fires                      |                | 15,000         |
| Program increase - extended range and hybrid gun launched unmanned aerial systems              |                | 15,000         |
| Program increase - high temperature super alloys   |                | 5,000          |
| Program increase - low-cost missile technology development                                     |                | 10,000         |
| 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          |
| <b>16 FUTURE VERTICAL LIFT TECHNOLOGY</b>  | <b>69,348</b>  | <b>94,348</b>  |
| Program increase - high strength functional composites   |                | 5,000          |
| Program increase - adaptive flight control technology  |                | 3,000          |
| Program increase - digital twin pathfinder   |                | 17,000         |

89C

| R-1   | Budget request | Final Bill    |
|---|----------------|---------------|
| <b>17 AIR AND MISSILE DEFENSE TECHNOLOGY</b>  | <b>27,016</b>  | <b>88,768</b> |
| Program increase - counter-UAS center of excellence   |                | 5,000         |
| Program increase - missile risk-based mission assurance   |                | 10,000        |
| Program increase - PLRIS  |                | 6,752         |
| Program increase - small UAS tracking and targeting devices   |                | 14,000        |
| 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 - cyber electromagnetic activities missile defender  |                | 2,000         |
| Program increase - high energy laser and optical technology   |                | 10,000        |
| <b>18 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNOLOGIES</b>   | <b>16,454</b>  | <b>16,454</b> |
| <b>19 ALL DOMAIN CONVERGENCE APPLIED RESEARCH</b>   | <b>27,399</b>  | <b>27,399</b> |
| <b>20 C3I APPLIED RESEARCH</b>  | <b>27,892</b>  | <b>27,892</b> |
| <b>21 AIR PLATFORM APPLIED RESEARCH</b>   | <b>41,588</b>  | <b>46,588</b> |
| Program increase - multi-drone, multi-sensor ISR  |                | 5,000         |
| <b>22 SOLDIER APPLIED RESEARCH</b>  | <b>15,716</b>  | <b>15,716</b> |
| <b>23 C3I APPLIED CYBER</b>   | <b>13,605</b>  | <b>13,605</b> |
| <b>24 BIOTECHNOLOGY FOR MATERIALS - APPLIED RESEARCH</b>  | <b>21,919</b>  | <b>21,919</b> |
| <b>25 MANPOWER/PERSONNEL/TRAINING TECHNOLOGY</b>  | <b>19,649</b>  | <b>19,649</b> |
| <b>26 MEDICAL TECHNOLOGY</b>  | <b>33,976</b>  | <b>80,656</b> |
| Project increase - Center for Excellence in Military Health and Performance Enhancement                         |                | 5,000         |
| Project increase - holistic health and fitness  |                | 5,680         |
| Program increase - surgical instrument sterilization  |                | 5,000         |
| Program increase - RNA therapeutics for infectious disease threats  |                | 8,000         |
| Program increase - photonic integrated circuit platform   |                | 5,000         |
| Program increase - biomaterials for combat wound care   |                | 3,000         |
| Program increase - engineered antibodies for skin and soft-tissue infections                                    |                | 5,000         |
| Program increase - trauma immunology  |                | 10,000        |
| <b>27 MEDICAL ADVANCED TECHNOLOGY</b>   | <b>5,207</b>   | <b>31,588</b> |
| Program increase - Aerial Reconfigurable Embedded System  |                | 9,500         |
| Project increase - heated garment testing equipment for warfighters   |                | 181           |
| Project increase - Army battlefield exercise and combat related traumatic brain and spinal cord injury research |                | 1,700         |
| Program increase - hearing protection for communications  |                | 8,000         |
| Program increase - head supported mass  |                | 5,000         |
| Program increase - suicide prevention with a focus on rural, remote, isolated, and OCONUS installations         |                | 2,000         |
| <b>28 MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY</b>  | <b>15,598</b>  | <b>15,598</b> |

(89 D)

| R-1   | Budget request | Final Bill  |
|---|----------------|---|
| 29 ARMY AGILE INNOVATION AND DEMONSTRATION  | 20,900         | 20,900  |
| 30 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING<br>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<br>Program increase - seat track integrated replaceable/upgradable protection system  | 17,946         | 27,946<br>10,000  |
| 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<br>Program increase - small arms fire control advanced technology<br>Program increase - advanced technology development for MDO to<br>support soldier lethality<br>Program increase - hypersonic weapon development software<br>Program increase - hyper enabled soldier lethality<br>Program increase - shock attenuation and blunt force trauma<br>improvements in headborne systems<br>Program increase - spectroscopy devices for chem bio detection<br>and deactivation with UV-C<br>Program increase - HMD risk reduction for IVAS futures | 100,935        | 153,685<br>4,500<br>15,000<br>2,000<br>10,000<br>5,000<br>11,250<br>5,000 |

89E

|   | Budget request | Final Bill     |
|---|----------------|----------------|
| <b>39 GROUND ADVANCED TECHNOLOGY</b>  | <b>32,546</b>  | <b>415,846</b> |
| Program increase - additive manufacturing and 3D printing for deployable shelters                               |                | 6,000          |
| Program increase - additive manufacturing for weapons and armaments components                                  |                | 10,000         |
| Program increase - advanced multi-stack OLED microdisplays  |                | 8,800          |
| Program increase - clean modular hydropower technology  |                | 20,000         |
| Program increase - cross laminated timber   |                | 5,500          |
| Project increase - expanding engineering with nature installation capacity                                      |                | 5,000          |
| Program increase - expeditionary additive construction  |                | 15,000         |
| Program increase - high power fast charging EV fleets   |                | 5,000          |
| Program increase - low carbon hydrogen technologies   |                | 10,000         |
| Program increase - mass timber applications for military construction projects                                  |                | 12,000         |
| Program increase - microgrid reliability and resiliency   |                | 6,500          |
| Program increase - military waste stream conversion   |                | 5,000          |
| Program increase - novel materials for smart infrastructure systems   |                | 6,000          |
| Program increase - pilot project power generation for increased facility resilience                             |                | 10,000         |
| Program increase - rapid entry and sustainment for the arctic   |                | 10,000         |
| Program increase - rapid infrastructure development and engineering   |                | 5,000          |
| Program increase - secure management of energy generation and storage   |                | 5,000          |
| Program increase - ultra-high strength steels for construction applications                                     |                | 6,000          |
| Program increase - water quality and resiliency technologies  |                | 7,000          |
| Program increase - always ready distributed energy  |                | 10,000         |
| Program increase - self-contained power for towers and sensors  |                | 10,000         |
| Program increase - ruggedized deployable solar generators   |                | 10,000         |
| Program increase - PFAS destruction industrial SCWO technology  |                | 12,000         |
| Program increase - sorbent enhanced clean hydrogen demonstration  |                | 15,000         |
| 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 - 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          |
| 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 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   |                | 10,000         |

| R-1   | Budget request | Final Bill     |
|---|----------------|----------------|
| Program increase - wildfire engineering for sustainability and resilience                 |                | 6,000          |
| Program increase - zero emission concrete   |                | 3,000          |
| <b>40 COUNTER IMPROVISED-THREAT SIMULATION</b>  | <b>21,486</b>  | <b>21,486</b>  |
| <b>41 BIOTECHNOLOGY FOR MATERIALS - ADVANCED RESEARCH</b>                                 | <b>56,853</b>  | <b>56,853</b>  |
| <b>42 C3I CYBER ADVANCED DEVELOPMENT</b>  | <b>41,354</b>  | <b>41,354</b>  |
| <b>43 HIGH PERFORMANCE COMPUTING MODERNIZATION</b>  | <b>251,964</b> | <b>301,964</b> |
| Program increase  |                | 50,000         |
| <b>44 NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY</b>                              | <b>193,242</b> | <b>434,692</b> |
| Program increase - additive manufacturing for jointless hull                              |                | 20,000         |
| Program increase - advanced adhesives for combat vehicles                                 |                | 5,000          |
| Program increase - ATE5.2 engine development  |                | 10,000         |
| Program increase - autonomous systems for military ground vehicles                        |                | 3,750          |
| Program increase - carbon fiber tire  |                | 5,000          |
| Program increase - digital enterprise technology for OMFV                                 |                | 15,000         |
| Program increase - digital twin   |                | 7,000          |
| Program increase - electric drive system  |                | 5,500          |
| Program increase - human digital twins and human-machine interaction                      |                | 6,000          |
| Program increase - machine learning for advanced lightweight combat vehicle structures    |                | 19,000         |
| Program increase - maneuverable lightweight electric weight reducer                       |                | 7,500          |
| Program increase - multi-service electro-optical signature code                           |                | 9,000          |
| Program increase - off-road maneuver  |                | 5,000          |
| Program increase - synthetic graphite battery   |                | 10,000         |
| Program increase - vehicle technology readiness levels                                    |                | 3,000          |
| 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 - 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          |

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| <b>45 NETWORK C3I ADVANCED TECHNOLOGY</b>  | <b>125,565</b> | <b>178,065</b> |
| Program increase - alternate navigation for GPS-denied landing environments                |                | 4,500          |
| 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 - assured position navigation and timing technology                       |                | 5,000          |
| 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          |
| <b>46 LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY</b>                                   | <b>100,830</b> | <b>202,830</b> |
| Program increase - aft combustor ramjet propulsion   |                | 10,000         |
| Program increase - development and testing of propellants using advanced manufacturing     |                | 5,000          |
| Program increase - XM1155 guided flight projectile   |                | 20,000         |
| Program increase - hyper velocity projectile extended range                                |                | 25,000         |
| Program increase - missile multi-agent extensible engagement services                      |                | 15,000         |
| 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 - super ramjet artillery mission  |                | 8,000          |
| <b>47 FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY</b>   | <b>177,836</b> | <b>267,586</b> |
| Program increase - autonomous configuration management and aviation records                |                | 10,000         |
| Program increase - data refinement and optimization for aviation sustainment               |                | 4,500          |
| Program increase - FLEETSPACE maintenance tool   |                | 5,250          |
| Program increase - FVL surface tolerant adhesives  |                | 9,000          |
| Program increase - individual blade and higher harmonic control                            |                | 22,000         |
| Program increase - UH-60 main rotor blade modernization                                    |                | 5,000          |
| Program increase - additive manufacturing for FVL  |                | 10,000         |
| 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          |
| <b>48 AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY</b>                                      | <b>11,147</b>  | <b>99,147</b>  |
| Program increase - mobile force protection   |                | 20,000         |
| 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         |
| <b>49 HUMANITARIAN DEMINING</b>  | <b>8,933</b>   | <b>21,000</b>  |
| Program increase   |                | 12,067         |

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| <b>50 ARMY MISSILE DEFENSE SYSTEMS INTEGRATION</b>                                     | <b>12,001</b>  | <b>118,001</b> |
| Program Increase - integrated environmental control and power                          |                | 16,000         |
| Program increase - mobile solid-state high-powered microwave                           |                | 25,000         |
| Program increase - system engineering research into system integration air and missile |                | 10,000         |
| 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 - pragmatic AI and new technology                                     |                | 15,000         |
| Program increase - sensing, modeling, analysis, requirements, and training             |                | 10,000         |
| Program increase - weather impacts toolkit   |                | 5,000          |
| <b>51 ARMY SPACE SYSTEMS INTEGRATION</b>   | <b>17,945</b>  | <b>30,945</b>  |
| Program increase - full spectrum protective technologies for cyber mission assurance   |                | 8,000          |
| Program increase - multi-mission synthetic aperture radar payload development          |                | 5,000          |
| <b>52 AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING</b>                                  | <b>0</b>       | <b>15,000</b>  |
| Program increase - machine learning for Army integrated fires                          |                | 10,000         |
| Program increase - software memory protection methods                                  |                | 5,000          |
| <b>53 LANDMINE WARFARE AND BARRIER - ADV DEV</b>                                       | <b>64,001</b>  | <b>56,001</b>  |
| XM204 testing excess   |                | -8,000         |
| <b>54 TANK AND MEDIUM CALIBER AMMUNITION</b>   | <b>64,669</b>  | <b>61,569</b>  |
| Program increase - proof of concept military-grade antimony trisulfide                 |                | 10,000         |
| Unjustified demonstration  |                | -13,100        |
| <b>55 ARMORED SYSTEM MODERNIZATION - ADV DEV</b>                                       | <b>49,944</b>  | <b>62,944</b>  |
| Program increase - advanced combat engine  |                | 13,000         |
| <b>56 SOLDIER SUPPORT AND SURVIVABILITY</b>  | <b>4,060</b>   | <b>4,060</b>   |
| <b>57 TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - ADV DEV</b>                            | <b>72,314</b>  | <b>72,314</b>  |
| <b>58 NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT</b>                                    | <b>18,048</b>  | <b>97,478</b>  |
| 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          |
| Program increase - daytime display   |                | 12,000         |
| Transfer from OP,A line 79 for IVAS 1.2  |                | 40,000         |
| <b>59 ENVIRONMENTAL QUALITY TECHNOLOGY - DEM/VAL</b>                                   | <b>31,249</b>  | <b>76,749</b>  |
| Program increase - underwater cut and capture demonstration                            |                | 7,500          |
| Program increase - wire arc additive manufacturing                                     |                | 20,000         |
| Program increase - biopolymers for earthenware structures                              |                | 3,000          |
| Program increase - friction stir additive manufacturing                                |                | 15,000         |
| <b>60 NATO RESEARCH AND DEVELOPMENT</b>  | <b>3,805</b>   | <b>3,805</b>   |
| <b>61 AVIATION - ADV DEV</b>   | <b>28,794</b>  | <b>22,794</b>  |
| Maintain FARA ecosystem level of effort  |                | -6,000         |

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| <b>61A FUTURE ATTACK RECONNAISSANCE AIRCRAFT (FARA)</b>                      | <b>439,915</b> | <b>436,165</b> |
| FARA PM costs excess   |                | -3,750         |
| <b>61B FUTURE LONG RANGE ASSAULT AIRCRAFT (FLRAA)</b>                        | <b>693,635</b> | <b>698,635</b> |
| FLRAA WSD ahead of need  |                | -40,000        |
| Program increase - all electric flight control systems                       |                | 10,000         |
| Program increase - FLRAA   |                | 23,000         |
| Program increase - modular communication, command, and control suite         |                | 12,000         |
| <b>62 LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV</b>                         | <b>9,638</b>   | <b>24,638</b>  |
| Program increase - lightweight portable power generation                     |                | 3,000          |
| Program increase - mobile micro-reactor program                              |                | 12,000         |
| <b>63 MEDICAL SYSTEMS - ADV DEV</b>  | <b>598</b>     | <b>598</b>     |
| <b>64 SOLDIER SYSTEMS - ADVANCED DEVELOPMENT</b>                             | <b>25,971</b>  | <b>24,471</b>  |
| Clothing and equipment unjustified cost growth                               |                | -1,500         |
| SPE unjustified cost growth  |                | -1,000         |
| Program increase - improvements to arctic heaters for tents and shelters     |                | 1,000          |
| <b>65 ROBOTICS DEVELOPMENT</b>   | <b>26,594</b>  | <b>33,594</b>  |
| Program increase - small unit ground robotic capabilities                    |                | 7,000          |
| <b>66 EXPANDED MISSION AREA MISSILE (EMAM)</b>                               | <b>220,820</b> | <b>258,320</b> |
| Excess carryover   |                | -2,500         |
| Program increase - IFPC-HEL  |                | 40,000         |
| <b>67 CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT &amp; PROTOTYPING</b> | <b>106,000</b> | <b>77,000</b>  |
| Unjustified request  |                | -29,000        |
| <b>69 LOW EARTH ORBIT (LEO) SATELLITE CAPABILITY</b>                         | <b>35,509</b>  | <b>35,509</b>  |
| <b>70 MULTI-DOMAIN SENSING SYSTEM (MDSS) ADV DEV</b>                         | <b>49,932</b>  | <b>47,915</b>  |
| Effort previously funded   |                | -2,017         |
| <b>71 TACTICAL INTEL TARGETING ACCESS NODE (TITAN) ADV DEV</b>               | <b>863</b>     | <b>863</b>     |
| <b>72 ANALYSIS OF ALTERNATIVES</b>   | <b>10,659</b>  | <b>10,659</b>  |
| <b>73 SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.4)</b>                         | <b>1,425</b>   | <b>1,425</b>   |
| <b>74 FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS)</b>                   | <b>95,719</b>  | <b>134,719</b> |
| Program increase - accelerate FTUAS Inc 1                                    |                | 16,000         |
| Program increase - micro integrated transponder with embedded crypto         |                | 8,000          |
| Program increase - protected BE-CDL Mode 303                                 |                | 15,000         |
| <b>75 LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR</b>                      | <b>382,147</b> | <b>380,147</b> |
| T&E carryover  |                | -12,000        |
| Program increase - program protection initiatives                            |                | 10,000         |
| <b>76 TECHNOLOGY MATURATION INITIATIVES</b>                                  | <b>269,756</b> | <b>219,756</b> |
| Program decrease   |                | -50,000        |

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| 77  | <b>MANEUVER - SHORT RANGE AIR DEFENSE (M-SHORAD)</b>                               | 225,147        | 274,838    |
|     | Transition efforts early to need   |                | -10,309    |
|     | Program increase - next generation short range interceptor                         |                | 60,000     |
|     | Army requested increase for AMP-HEL  |                | 60,000     |
|     | Army requested decrease to DE-MSHORAD  |                | -60,000    |
| 78  | <b>ARMY ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPING</b>                       | 198,111        | 208,111    |
|     | Program increase - materials, manufacturing and machine learning for hypersonics   |                | 10,000     |
| 79  | <b>ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)</b>                            | 43,797         | 57,797     |
|     | Program increase - AltNav capability   |                | 14,000     |
| 80  | <b>SYNTHETIC TRAINING ENVIRONMENT REFINEMENT &amp; PROTOTYPING</b>                 | 166,452        | 242,582    |
|     | Program increase - STE Live electronic bullet                                      |                | 20,000     |
|     | Program increase - STE Live OTA acceleration                                       |                | 20,000     |
|     | Army requested SiVT transfer from OP,A line 159                                    |                | 36,130     |
| 81  | <b>COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING</b> | 15,840         | 14,840     |
|     | Carryover  |                | -1,000     |
| 82  | <b>STRATEGIC MID-RANGE FIRES</b>   | 404,291        | 404,291    |
| 83  | <b>HYPERSONICS</b>   | 173,168        | 228,168    |
|     | Carryover  |                | -10,000    |
|     | Program increase - common hypersonic glide body                                    |                | 60,000     |
|     | Program increase - near net shape materials  |                | 5,000      |
| 84  | <b>FUTURE INTERCEPTOR</b>  | 8,179          | 8,179      |
| 85  | <b>COUNTER - SMALL UNMANNED AIRCRAFT SYSTEMS ADVANCED DEVELOPMENT</b>              | 35,110         | 35,110     |
| 86  | <b>UNIFIED NETWORK TRANSPORT</b>   | 36,966         | 36,966     |
| 89  | <b>CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT</b>                              | 55,677         | 55,677     |
| 90  | <b>AIRCRAFT AVIONICS</b>   | 3,335          | 3,335      |
| 91  | <b>ELECTRONIC WARFARE DEVELOPMENT</b>  | 4,243          | 4,243      |
| 92  | <b>INFANTRY SUPPORT WEAPONS</b>  | 66,529         | 88,329     |
|     | Carryover  |                | -3,200     |
|     | Program increase - cannon life extension program                                   |                | 1,500      |
|     | Program increase - CROWS-AHD   |                | 1,000      |
|     | Program increase - wearable device for TBI prevention                              |                | 5,000      |
|     | Program increase - NGSW commercial magazine testing                                |                | 5,000      |
|     | Program increase - soldier enhancement program                                     |                | 5,000      |
|     | Program increase - tactical personal area network                                  |                | 7,500      |
| 93  | <b>MEDIUM TACTICAL VEHICLES</b>  | 22,163         | 22,163     |

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| <b>94 JAVELIN</b>  | <b>7,870</b>   | <b>16,186</b>  |
| Transfer from MiPA, line 11  |                | 8,316          |
| <b>95 FAMILY OF HEAVY TACTICAL VEHICLES</b>                                    | <b>50,924</b>  | <b>53,014</b>  |
| Leader/Follower test support ahead of need                                     |                | -2,910         |
| Program increase - development of large military tactical vehicle winter tires |                | 5,000          |
| <b>96 AIR TRAFFIC CONTROL</b>  | <b>2,623</b>   | <b>2,623</b>   |
| <b>97 TACTICAL UNMANNED GROUND VEHICLE (TUGV)</b>                              | <b>115,986</b> | <b>109,849</b> |
| CF5 SP government T&E excess request   |                | -5,137         |
| CF5 program management excess request  |                | -1,000         |
| <b>99 ARMORED SYSTEMS MODERNIZATION (ASM) - ENG DEV</b>                        | <b>71,287</b>  | <b>63,143</b>  |
| Product development excess to need   |                | -5,634         |
| T&E excess to need   |                | -2,510         |
| <b>100 NIGHT VISION SYSTEMS - ENG DEV</b>                                      | <b>62,679</b>  | <b>92,951</b>  |
| Night vision device - next ahead of need                                       |                | -3,228         |
| Program increase - IVAS 1.2  |                | 33,500         |
| <b>101 COMBAT FEEDING, CLOTHING, AND EQUIPMENT</b>                             | <b>1,566</b>   | <b>1,566</b>   |
| <b>102 NON-SYSTEM TRAINING DEVICES - ENG DEV</b>                               | <b>18,600</b>  | <b>18,600</b>  |
| <b>103 AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE - ENG DEV</b>             | <b>39,541</b>  | <b>55,541</b>  |
| Carryover  |                | -4,000         |
| Program increase - software integration digital ecosystem                      |                | 20,000         |
| <b>104 CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT</b>                         | <b>29,570</b>  | <b>29,570</b>  |
| <b>105 AUTOMATIC TEST EQUIPMENT DEVELOPMENT</b>                                | <b>5,178</b>   | <b>5,178</b>   |
| <b>106 DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - ENG DEV</b>                | <b>8,189</b>   | <b>8,189</b>   |
| <b>109 BRIGADE ANALYSIS, INTEGRATION AND EVALUATION</b>                        | <b>21,228</b>  | <b>21,228</b>  |
| <b>110 WEAPONS AND MUNITIONS - ENG DEV</b>                                     | <b>263,778</b> | <b>285,778</b> |
| 155mm components costs previously funded                                       |                | -3,000         |
| Program increase - anti-jam precision guidance kit                             |                | 25,000         |
| <b>111 LOGISTICS AND ENGINEER EQUIPMENT - ENG DEV</b>                          | <b>41,669</b>  | <b>75,669</b>  |
| Program increase - advanced electrical generator                               |                | 10,000         |
| Program increase - mobile ultra-lightweight camouflage net systems             |                | 5,000          |
| Transfer from OP,A line 152  |                | 7,000          |
| Program increase - deployable, energy efficient, rigid wall shelter            |                | 12,000         |
| <b>112 COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - ENG DEV</b>                  | <b>40,038</b>  | <b>45,038</b>  |
| Program increase - mounted mission control                                     |                | 5,000          |
| <b>113 MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT - ENG DEV</b>     | <b>5,513</b>   | <b>5,513</b>   |
| <b>114 LANDMINE WARFARE/BARRIER - ENG DEV</b>                                  | <b>12,150</b>  | <b>37,150</b>  |
| Program increase - prototype integration                                       |                | 25,000         |

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| <b>115 ARMY TACTICAL COMMAND &amp; CONTROL HARDWARE &amp; SOFTWARE</b>        | <b>111,690</b> | <b>131,399</b> |
| Maintain AIC level of effort  |                | -3,291         |
| Program increase - red team automation and zero trust capabilities            |                | 23,000         |
| <b>116 RADAR DEVELOPMENT</b>  | <b>71,259</b>  | <b>71,259</b>  |
| <b>117 GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)</b>                    | <b>10,402</b>  | <b>10,402</b>  |
| <b>119 SOLDIER SYSTEMS - WARRIOR DEMVAL</b>                                   | <b>11,425</b>  | <b>19,425</b>  |
| Program increase - conformal wearable battery                                 |                | 5,000          |
| Program increase - wearable fuel cell development                             |                | 3,000          |
| <b>120 SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS - EMD</b>                   | <b>109,702</b> | <b>100,384</b> |
| Carryover   |                | -9,318         |
| <b>121 ARTILLERY SYSTEMS - EMD</b>  | <b>23,106</b>  | <b>48,106</b>  |
| Program increase - soft recoil for extended range artillery systems           |                | 25,000         |
| <b>122 INFORMATION TECHNOLOGY DEVELOPMENT</b>                                 | <b>124,475</b> | <b>104,260</b> |
| ATIS development early to need  |                | -20,215        |
| <b>123 INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)</b>                  | <b>67,564</b>  | <b>67,564</b>  |
| <b>125 JOINT TACTICAL NETWORK CENTER (JTNC)</b>                               | <b>17,950</b>  | <b>17,950</b>  |
| <b>126 JOINT TACTICAL NETWORK (JTN)</b>                                       | <b>30,169</b>  | <b>30,169</b>  |
| <b>128 COMMON INFRARED COUNTERMEASURES (CIRCM)</b>                            | <b>11,523</b>  | <b>11,523</b>  |
| <b>130 DEFENSIVE CYBER TOOL DEVELOPMENT</b>                                   | <b>33,029</b>  | <b>39,029</b>  |
| Program increase - multi-factor authentication for cyber security             |                | 6,000          |
| <b>131 TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)</b>                          | <b>4,497</b>   | <b>4,497</b>   |
| <b>132 CONTRACT WRITING SYSTEM</b>  | <b>23,487</b>  | <b>13,742</b>  |
| ACWS development excess to need   |                | -9,745         |
| <b>133 AIRCRAFT SURVIVABILITY DEVELOPMENT</b>                                 | <b>19,123</b>  | <b>19,123</b>  |
| <b>134 INDIRECT FIRE PROTECTION CAPABILITY INC 2 - BLOCK 1</b>                | <b>131,093</b> | <b>131,093</b> |
| <b>135 GROUND ROBOTICS</b>  | <b>26,809</b>  | <b>26,809</b>  |
| <b>136 EMERGING TECHNOLOGY INITIATIVES</b>                                    | <b>185,311</b> | <b>244,311</b> |
| Program Increase - C-UAS HEL atmospheric study and prototype sensors          |                | 15,000         |
| Program increase - autonomous offensive swarming                              |                | 9,000          |
| Program increase - counter UAS technologies                                   |                | 25,000         |
| Program increase - palletized high energy laser                               |                | 5,000          |
| Program increase - extended shortwave infrared sensors for high energy lasers |                | 5,000          |

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| R-1  | Budget request | Final Bill                    |
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| 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<br>Army requested transfer from OP,A line 62  | 58,087         | 108,987<br>50,900             |
| 141 ARMY SYSTEM DEVELOPMENT & DEMONSTRATION<br>Program increase - joint cyberspace warfighting architecture  | 119,516        | 143,616<br>24,100             |
| 142 SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.5)   | 6,530          | 6,530                         |
| 143 MULTI-DOMAIN INTELLIGENCE<br>Excess to need - Army TCPED<br>CK4 early to need  | 19,911         | 6,008<br>-5,500<br>-8,403     |
| 145 PRECISION STRIKE MISSILE (PRSM)  | 259,506        | 259,506                       |
| 146 HYPERSONICS EMD  | 633,499        | 633,499                       |
| 147 ACCESSIONS INFORMATION ENVIRONMENT (AIE)<br>Carryover  | 13,647         | 10,088<br>-3,559              |
| 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)<br>Program increase - kill chain automation<br>Beyond IOC testing ahead of need                          | 265,288        | 263,545<br>10,000<br>-11,743  |
| 152 COUNTER - SMALL UNMANNED AIRCRAFT SYSTEMS SYS DEV<br>& DEMONSTRATION   | 14,892         | 14,892                        |
| 153 MANNED GROUND VEHICLE<br>Excess to need<br>Maintain program management level of effort   | 589,762        | 554,925<br>-22,882<br>-11,955 |
| 154 NATIONAL CAPABILITIES INTEGRATION (MIP)  | 17,030         | 17,030                        |
| 155 JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND<br>MANUFACTURING DEVELOPMENT PH  | 9,376          | 9,376                         |
| 156 AVIATION GROUND SUPPORT EQUIPMENT  | 2,959          | 2,959                         |
| 157 TROJAN - RH12  | 3,761          | 3,761                         |
| 160 ELECTRONIC WARFARE DEVELOPMENT<br>Army requested transfer from OP,A line 64<br>Program increase - Service Tactical Signal Intelligence (SIGINT) upgrades | 56,938         | 99,938<br>38,000<br>5,000     |

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| R-1   | Budget request | Final Bill     |
|---|----------------|----------------|
| <b>161 THREAT SIMULATOR DEVELOPMENT</b>                                       | <b>18,437</b>  | <b>138,937</b> |
| 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         |
| Program increase - threat counter artificial intelligence                     |                | 12,500         |
| <b>162 TARGET SYSTEMS DEVELOPMENT</b>   | <b>19,132</b>  | <b>64,132</b>  |
| Program increase - HEL power and thermal subsystem                            |                | 10,000         |
| Program increase - replacement of engines for aerial targets                  |                | 10,000         |
| Program increase - UAS swarm threat representation, detection, and mitigation |                | 25,000         |
| <b>163 MAJOR T&amp;E INVESTMENT</b>   | <b>107,706</b> | <b>142,106</b> |
| Program increase - advancing operational test infrastructure                  |                | 30,500         |
| Project increase - expanding operational test command                         |                | 3,900          |
| <b>164 RAND ARROYO CENTER</b>   | <b>35,542</b>  | <b>35,542</b>  |
| <b>165 ARMY KWAJALEIN ATOLL</b>   | <b>309,005</b> | <b>309,005</b> |
| <b>166 CONCEPTS EXPERIMENTATION PROGRAM</b>                                   | <b>87,122</b>  | <b>87,122</b>  |
| <b>168 ARMY TEST RANGES AND FACILITIES</b>                                    | <b>401,643</b> | <b>417,643</b> |
| Program increase - environmental characterization for test operations         |                | 4,000          |
| Program increase - EEMDO cyber testing  |                | 12,000         |
| <b>169 ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS</b>                    | <b>37,962</b>  | <b>67,962</b>  |
| Program increase - rapid assurance modernization program - test               |                | 30,000         |
| <b>170 SURVIVABILITY/LETHALITY ANALYSIS</b>                                   | <b>36,500</b>  | <b>36,500</b>  |
| <b>171 AIRCRAFT CERTIFICATION</b>   | <b>2,777</b>   | <b>4,777</b>   |
| Program increase - big data analytics   |                | 2,000          |
| <b>172 METEOROLOGICAL SUPPORT TO RDT&amp;E ACTIVITIES</b>                     | <b>6,958</b>   | <b>13,958</b>  |
| Program increase - AI/ML materials for sensors and electronics                |                | 7,000          |
| <b>173 MATERIEL SYSTEMS ANALYSIS</b>  | <b>22,037</b>  | <b>22,037</b>  |
| <b>174 EXPLOITATION OF FOREIGN ITEMS</b>                                      | <b>6,186</b>   | <b>6,186</b>   |
| <b>175 SUPPORT OF OPERATIONAL TESTING</b>                                     | <b>70,718</b>  | <b>70,718</b>  |
| <b>176 ARMY EVALUATION CENTER</b>   | <b>67,058</b>  | <b>67,058</b>  |
| <b>177 ARMY MODELING &amp; SIM X-CMD COLLABORATION &amp; INTEG</b>            | <b>6,097</b>   | <b>6,097</b>   |
| <b>178 PROGRAMWIDE ACTIVITIES</b>   | <b>89,793</b>  | <b>89,793</b>  |
| <b>179 TECHNICAL INFORMATION ACTIVITIES</b>                                   | <b>28,752</b>  | <b>37,652</b>  |
| Program increase - technology transfer efforts                                |                | 3,000          |
| Program increase - Army geospatial enterprise data advantage                  |                | 5,900          |

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| R-1  | Budget request | Final Bill     |
|--|----------------|----------------|
| <b>180 MUNITIONS STANDARDIZATION, EFFECTIVENESS AND</b>                        | <b>48,316</b>  | <b>60,645</b>  |
| Program increase - foamable celluloid energetics                               |                | 5,000          |
| Carryover  |                | -5,671         |
| Program increase - neutron radiography technologies                            |                | 5,000          |
| Program increase - agile manufacturing for advanced armament systems           |                | 8,000          |
| <b>181 ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT</b>                       | <b>1,912</b>   | <b>1,912</b>   |
| <b>182 ARMY DIRECT REPORT HEADQUARTERS - R&amp;D - MHA</b>                     | <b>53,271</b>  | <b>53,271</b>  |
| <b>183 RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE</b>                   | <b>90,088</b>  | <b>90,088</b>  |
| <b>184 COUNTERINTEL AND HUMAN INTEL MODERNIZATION</b>                          | <b>1,424</b>   | <b>1,424</b>   |
| <b>186 ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES</b>                   | <b>5,816</b>   | <b>5,816</b>   |
| <b>188 MLRS PRODUCT IMPROVEMENT PROGRAM</b>                                    | <b>18,463</b>  | <b>18,463</b>  |
| <b>189 ANTI-TAMPER TECHNOLOGY SUPPORT</b>                                      | <b>9,284</b>   | <b>9,284</b>   |
| <b>190 WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS</b>                  | <b>11,674</b>  | <b>44,674</b>  |
| Program increase - additive manufacturing for weapons and armaments components |                | 10,000         |
| Program increase - next generation carbide ammunition                          |                | 8,000          |
| Program increase - smart manufacturing for armaments                           |                | 5,000          |
| Program increase - refractory metal alloys for hypersonics                     |                | 10,000         |
| <b>193 CHINOOK PRODUCT IMPROVEMENT PROGRAM</b>                                 | <b>52,513</b>  | <b>67,513</b>  |
| Program increase - CH-47 engine enhancement                                    |                | 15,000         |
| <b>194 IMPROVED TURBINE ENGINE PROGRAM</b>                                     | <b>228,036</b> | <b>228,036</b> |
| <b>195 AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT</b>          | <b>11,312</b>  | <b>11,312</b>  |
| <b>196 UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS</b>                         | <b>512</b>     | <b>10,512</b>  |
| Program increase - scalable control interface                                  |                | 10,000         |
| <b>197 APACHE FUTURE DEVELOPMENT</b>   | <b>10,074</b>  | <b>25,074</b>  |
| Program increase - strap-down pilotage Apache                                  |                | 5,000          |
| Program increase - AH-64 modernization   |                | 10,000         |
| <b>198 AN/TPQ-53 COUNTERFIRE TARGET ACQUISITION RADAR SYSTEM</b>               | <b>62,559</b>  | <b>61,559</b>  |
| Maintain program management level of effort                                    |                | -1,000         |
| <b>199 INTEL CYBER DEVELOPMENT</b>   | <b>13,343</b>  | <b>13,343</b>  |
| <b>200 ARMY OPERATIONAL SYSTEMS DEVELOPMENT</b>                                | <b>26,131</b>  | <b>26,131</b>  |
| <b>201 ELECTRONIC WARFARE DEVELOPMENT</b>                                      | <b>6,432</b>   | <b>6,432</b>   |

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| R-1   | Budget request | Final Bill |
|---|----------------|------------|
| 202 FAMILY OF BIOMETRICS  | 1,114          | 1,114      |
| 203 PATRIOT PRODUCT IMPROVEMENT   | 152,312        | 152,312    |
| 204 JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCS)                             | 19,329         | 19,329     |
| 205 COMBAT VEHICLE IMPROVEMENT PROGRAMS   | 192,310        | 296,453    |
| Stryker network modernization excess request  |                | -4,557     |
| Program increase - Abrams modernization   |                | 97,200     |
| Program increase - next generation auxiliary power units                                    |                | 5,000      |
| Program increase - wireless intercommunication system encryption                            |                | 6,500      |
| 206 155MM SELF-PROPELLED HOWITZER IMPROVEMENTS  | 136,680        | 116,510    |
| Test and evaluation carryover   |                | -18,170    |
| Maintain program management level of effort   |                | -2,000     |
| 208 AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM   | 148            | 148        |
| 209 DIGITIZATION  | 2,100          | 0          |
| Carryover   |                | -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         | 22,600     |
| Inc 1 carryover   |                | -4,500     |
| 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         | 132,270    |
| Program increase - liquid hydrogen energy refueling   |                | 10,000     |
| Program increase - N2O5   |                | 10,000     |
| 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      |

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| R-1  | Budget request | Final Bill |
|--|----------------|------------|
| 999 CLASSIFIED PROGRAMS                                    | 6,664          | 6,664      |
| 228 DEFENSIVE CYBER - SOFTWARE PROTOTYPE DEVELOPMENT       | 94,888         | 94,888     |
| TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION,<br>ARMY | 13,710,273     | 17,150,141 |

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#### SERIAL BUS CYBER VULNERABILITIES

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 agreement 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.

#### ROBOTIC COMBAT VEHICLE-MEDIUM

The Department of Defense Appropriations Act, 2022 provided \$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 agreement 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.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

The agreement provides \$26,017,309,000 for Research, Development, Test and Evaluation, Navy, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 91A-N

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

| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>1 UNIVERSITY RESEARCH INITIATIVES</b>  | <b>90,076</b>  | <b>147,376</b> |
| Program increase - defense university research instrumentation program                    |                | 30,000         |
| Program increase - all-digital arrays for long-distance application power maximization    |                | 9,800          |
| Program increase - artificial intelligence maritime maneuvering                           |                | 5,000          |
| Project increase - enhancing installation resiliency at NWS Earle                         |                | 2,500          |
| Program increase - defense research initiatives   |                | 10,000         |
| <b>3 DEFENSE RESEARCH SCIENCES</b>  | <b>499,116</b> | <b>541,616</b> |
| Program increase - silicon-germanium-tin alloy research                                   |                | 5,000          |
| Program increase - basic research   |                | 25,000         |
| Program increase - multifunctional structural batteries                                   |                | 3,000          |
| Program increase - predictive modeling for next generation undersea vehicles              |                | 3,000          |
| Program increase - Naval Research Laboratory S&T  |                | 6,500          |
| <b>4 POWER PROJECTION APPLIED RESEARCH</b>  | <b>22,953</b>  | <b>27,953</b>  |
| Program increase - meta material broadband coatings                                       |                | 5,000          |
| <b>5 FORCE PROTECTION APPLIED RESEARCH</b>  | <b>133,426</b> | <b>345,576</b> |
| Program increase - high speed/hypersonic test capability development                      |                | 4,000          |
| Program increase - resilient autonomous systems research and diversity programs           |                | 8,500          |
| Program increase - talent and technology for Navy power and energy systems                |                | 10,500         |
| Program increase - seawater to jet fuel demo  |                | 20,000         |
| Program increase - coastal environmental research   |                | 5,000          |
| Program increase - advanced energetics research   |                | 6,000          |
| Program increase - direct air capture and blue carbon removal technology                  |                | 10,000         |
| Program increase - relative positioning of autonomous platforms                           |                | 5,000          |
| Program increase - alternative energy research  |                | 30,000         |
| Program increase - arctic energy resiliency   |                | 10,000         |
| Program increase - bonded metal matrix composite repair                                   |                | 5,000          |
| Program increase - cavitation erosion   |                | 5,000          |
| Program increase - corrosion control coatings and material                                |                | 5,000          |
| Program increase - cyberphysical security resiliency                                      |                | 7,000          |
| Program increase - energy resilience  |                | 8,000          |
| Program increase - intelligent data management for distributed Naval platforms            |                | 10,500         |
| Program increase - materials by design for Navy aircraft sustainment                      |                | 5,000          |
| Program increase - resilient innovative sustainable economies via university partnerships |                | 9,000          |
| Program increase - sUAS degraded environment facility                                     |                | 12,650         |
| Program increase - universal achemetal titanium process                                   |                | 12,000         |
| Program increase - unmanned surface vehicle   |                | 5,000          |
| Program increase - additive manufacturing of unmanned maritime systems                    |                | 10,000         |
| Program increase - high-entropy materials for hypersonics                                 |                | 9,000          |
| <b>6 MARINE CORPS LANDING FORCE TECHNOLOGY</b>  | <b>53,467</b>  | <b>79,467</b>  |
| Program increase - microtube heat exchangers  |                | 4,500          |
| Program increase - unmanned logistics solutions   |                | 7,500          |
| Program increase - 5G biometric installation access control demonstration                 |                | 4,000          |
| Program increase - modular multi-mode autonomous seeker                                   |                | 10,000         |
| <b>7 COMMON PICTURE APPLIED RESEARCH</b>  | <b>51,911</b>  | <b>51,911</b>  |

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| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>8 WARFIGHTER SUSTAINMENT APPLIED RESEARCH</b>  | <b>70,957</b>  | <b>121,707</b> |
| Program increase - biomaterial exterior for hypersonic projectile                               |                | 5,000          |
| Program increase - wearable sensors for injury prediction                                       |                | 5,000          |
| 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          |                | 10,000         |
| Program increase - polymer coatings for reduced ice and fouling adhesion                        |                | 5,000          |
| Program increase - ultra-compact heat exchangers  |                | 4,000          |
| <b>9 ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH</b>   | <b>92,444</b>  | <b>131,444</b> |
| Program increase - submerged electro-optical adaptive littoral sensor (SEALS) system prototypes |                | 5,000          |
| Program increase - advanced antenna technology  |                | 6,000          |
| Program increase - dark swarm in degraded and 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         |
| <b>10 OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH</b>  | <b>74,622</b>  | <b>165,622</b> |
| Program increase - task force ocean   |                | 10,000         |
| Program increase - continuous distributed sensing systems                                       |                | 10,000         |
| Program increase - research vessel cyber infrastructure improvements                            |                | 8,000          |
| Program increase - commercially available long endurance USV                                    |                | 10,000         |
| Program increase - naval special warfare undersea and maritime superiority                      |                | 5,000          |
| Program increase - marine meteorology   |                | 5,000          |
| Program increase - long endurance uncrewed surface vehicles                                     |                | 35,000         |
| Program increase - ocean acoustics for monitoring   |                | 8,000          |
| <b>11 JOINT NON-LETHAL WEAPONS APPLIED RESEARCH</b>   | <b>6,700</b>   | <b>6,700</b>   |
| <b>12 UNDERSEA WARFARE APPLIED RESEARCH</b>   | <b>58,111</b>  | <b>104,111</b> |
| Program increase - academic partnerships for innovative research                                |                | 25,000         |
| Program increase - energetics awareness   |                | 3,000          |
| Program increase - undersea sensing and communications  |                | 5,000          |
| Program increase - mobile test-bed for UUVs   |                | 3,000          |
| Program increase - persistent maritime surveillance   |                | 10,000         |
| <b>13 FUTURE NAVAL CAPABILITIES APPLIED RESEARCH</b>  | <b>173,641</b> | <b>177,141</b> |
| Program increase - operational readiness via next-generation satellites                         |                | 3,500          |
| <b>14 MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH</b>                                       | <b>31,649</b>  | <b>48,649</b>  |
| Program increase - expendable energetic unmanned aerial system                                  |                | 7,000          |
| Program increase - solid state magnetic gradiometers for UUVs                                   |                | 10,000         |
| <b>15 INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH</b>                                    | <b>120,637</b> | <b>145,637</b> |
| Program increase - alternative concept of operations (CONOPS)                                   |                | 25,000         |
| <b>16 SCIENCE AND TECHNOLOGY MANAGEMENT - ONR FIELD ACTIVITIES</b>                              | <b>81,296</b>  | <b>81,296</b>  |

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| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>17 FORCE PROTECTION ADVANCED TECHNOLOGY</b>   | <b>16,933</b>  | <b>59,933</b>  |
| Program increase - power electronics building block  |                | 6,000          |
| Project increase - high-energy density and high-power density lithium battery magazines (HEBM) in defense applications         |                | 8,000          |
| Program increase - ultra-efficient power generation and energy storage technology for next generation unmanned surface vessels |                | 10,000         |
| 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  |                | 5,000          |
| <b>18 ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY</b>  | <b>8,253</b>   | <b>16,253</b>  |
| Program increase - advanced maritime target processing   |                | 3,000          |
| Program increase - augmented context-based identity awareness  |                | 5,000          |
| <b>19 USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)</b>   | <b>280,285</b> | <b>412,985</b> |
| Program increase - hydrofoil wing in ground effect vehicle   |                | 5,000          |
| Program increase - advanced mission planning SBIR technology insertion   |                | 5,000          |
| Program increase - expeditionary process, exploitation, dissemination  |                | 4,000          |
| Program increase - multi-function array for C-UAS  |                | 18,000         |
| Program increase - low-cost attritable aircraft technology   |                | 25,000         |
| Program increase - C5ISR and EW modular open suite of standards  |                | 10,000         |
| 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  |                | 7,000          |
| 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          |
| Program increase - ENDOR spectrum superiority technology   |                | 10,000         |
| <b>20 JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT</b>  | <b>14,048</b>  | <b>14,048</b>  |
| <b>21 FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT</b>  | <b>251,267</b> | <b>269,267</b> |
| Program increase - advanced carbon nanotube conductors for naval power systems   |                | 5,000          |
| Program increase - advanced energetics research  |                | 5,000          |
| Program increase - development of submersible air revitalization   |                | 8,000          |
| <b>22 MANUFACTURING TECHNOLOGY PROGRAM</b>   | <b>60,704</b>  | <b>61,704</b>  |
| Program increase - machine learning for in-water hull inspection   |                | 1,000          |
| <b>23 WARFIGHTER PROTECTION ADVANCED TECHNOLOGY</b>  | <b>4,999</b>   | <b>46,999</b>  |
| Program increase - bone marrow registry program  |                | 32,000         |
| Program increase - laser protective eyewear research   |                | 5,000          |
| Program increase - closed-loop sedation and anesthesia system  |                | 5,000          |
| <b>24 NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS</b>  | <b>83,137</b>  | <b>99,020</b>  |
| Naval warfare experimentation excess growth  |                | -7,117         |
| Program increase - naval tech bridges  |                | 5,000          |
| Program increase - small unmanned surface vessels for expeditionary forces   |                | 5,000          |
| Program increase - Swampworks  |                | 5,000          |
| Program increase - SCOUT experimentation campaign  |                | 8,000          |
| <b>25 MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY</b>   | <b>2,007</b>   | <b>2,007</b>   |

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| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>26 INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT</b>  | <b>144,122</b> | <b>256,922</b> |
| INP advanced technology development excess to need                           |                | -2,800         |
| Program increase - advanced ATRT SBIR enterprise capabilities                |                | 25,300         |
| Program increase - combined fiber laser arrays without wavefront sensing     |                | 24,000         |
| Program increase - alternative concept of operations (CONOPS)                |                | 61,300         |
| Program increase - HEL testing and risk reduction                            |                | 5,000          |
| <b>26A SCIENCE &amp; TECHNOLOGY FOR NUCLEAR RE-ENTRY SYSTEMS</b>             | <b>0</b>       | <b>65,735</b>  |
| Navy-requested realignment from BA 07 line 198                               |                | 65,735         |
| <b>27 UNMANNED AERIAL SYSTEM</b>   | <b>96,883</b>  | <b>98,883</b>  |
| Program increase - autonomous maritime patrol aircraft                       |                | 2,000          |
| <b>28 LARGE UNMANNED SURFACE VEHICLES (LUSV)</b>                             | <b>146,840</b> | <b>136,840</b> |
| OUSV4 ICS hardware procurement ahead of need                                 |                | -10,000        |
| <b>29 AIR/OCEAN TACTICAL APPLICATIONS</b>                                    | <b>39,737</b>  | <b>60,737</b>  |
| Program increase - infrared optimized telescope                              |                | 3,000          |
| Program increase - maritime unattended sensors                               |                | 18,000         |
| <b>30 AVIATION SURVIVABILITY</b>   | <b>17,434</b>  | <b>17,434</b>  |
| <b>31 NAVAL CONSTRUCTION FORCES</b>  | <b>1,706</b>   | <b>1,706</b>   |
| <b>33 ASW SYSTEMS DEVELOPMENT</b>  | <b>15,986</b>  | <b>15,986</b>  |
| <b>34 TACTICAL AIRBORNE RECONNAISSANCE</b>                                   | <b>3,562</b>   | <b>3,562</b>   |
| <b>35 ADVANCED COMBAT SYSTEMS TECHNOLOGY</b>                                 | <b>18,628</b>  | <b>73,128</b>  |
| Program increase - minotaur data dissemination and interoperability services |                | 6,500          |
| Program increase - alternative concept of operations (CONOPS)                |                | 40,000         |
| Program increase - force-level dynamic interoperable C2                      |                | 8,000          |
| <b>36 SURFACE AND SHALLOW WATER MINE COUNTERMEASURES</b>                     | <b>87,825</b>  | <b>87,825</b>  |
| <b>37 SURFACE SHIP TORPEDO DEFENSE</b>                                       | <b>473</b>     | <b>473</b>     |
| <b>38 CARRIER SYSTEMS DEVELOPMENT</b>  | <b>11,567</b>  | <b>11,567</b>  |
| <b>39 PILOT FISH</b>   | <b>672,461</b> | <b>672,461</b> |
| <b>40 RETRACT LARCH</b>  | <b>7,483</b>   | <b>7,483</b>   |
| <b>41 RETRACT JUNIPER</b>  | <b>239,336</b> | <b>239,336</b> |
| <b>42 RADIOLOGICAL CONTROL</b>   | <b>772</b>     | <b>772</b>     |
| <b>43 SURFACE ASW</b>  | <b>1,180</b>   | <b>1,180</b>   |
| <b>44 ADVANCED SUBMARINE SYSTEM DEVELOPMENT</b>                              | <b>105,703</b> | <b>110,703</b> |
| Program increase - nickel-zinc battery deployment for Virginia class         |                | 5,000          |
| <b>45 SUBMARINE TACTICAL WARFARE SYSTEMS</b>                                 | <b>10,917</b>  | <b>10,917</b>  |

91D

| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>46 SHIP CONCEPT ADVANCED DESIGN</b>  | <b>82,205</b>  | <b>130,405</b> |
| Program increase - defense industrial skills and technology training systems    |                | 10,000         |
| Program increase - marine energy systems for sensors and microgrids             |                | 15,000         |
| Program increase - digital maintenance advisor for shipboard readiness          |                | 7,500          |
| Program increase - metallic additive manufacturing                              |                | 4,000          |
| Program increase - critical protection technology for cybersecurity engineering |                | 11,700         |
| <b>47 SHIP PRELIMINARY DESIGN &amp; FEASIBILITY STUDIES</b>                     | <b>75,327</b>  | <b>75,327</b>  |
| <b>48 ADVANCED NUCLEAR POWER SYSTEMS</b>  | <b>227,400</b> | <b>227,400</b> |
| <b>49 ADVANCED SURFACE MACHINERY SYSTEMS</b>                                    | <b>176,600</b> | <b>207,000</b> |
| Program increase - silicon carbide flexible bus node                            |                | 21,400         |
| Program increase - large format lithium ion batteries                           |                | 9,000          |
| <b>50 CHALK EAGLE</b>   | <b>91,584</b>  | <b>91,584</b>  |
| <b>51 LITTORAL COMBAT SHIP (LCS)</b>  | <b>96,444</b>  | <b>76,364</b>  |
| Lethality and survivability unjustified growth                                  |                | -20,080        |
| <b>52 COMBAT SYSTEM INTEGRATION</b>   | <b>18,236</b>  | <b>18,236</b>  |
| <b>53 OHIO REPLACEMENT</b>  | <b>335,981</b> | <b>344,981</b> |
| Program increase - rapid composites for wet submarine application               |                | 9,000          |
| <b>54 LCS MISSION MODULES</b>   | <b>41,533</b>  | <b>31,707</b>  |
| ASW MP termination  |                | -14,826        |
| Maintain level of effort-LCS MP DevSecOps development                           |                | -2,000         |
| Program increase - mine countermeasures mission package                         |                | 7,000          |
| <b>55 AUTOMATED TEST AND RE-TEST (ATRT)</b>                                     | <b>9,773</b>   | <b>60,073</b>  |
| Program increase - ATRT including Project Overmatch integration                 |                | 50,300         |
| <b>56 FRIGATE DEVELOPMENT</b>   | <b>118,626</b> | <b>108,626</b> |
| Prior year carryover  |                | -10,000        |
| <b>57 CONVENTIONAL MUNITIONS</b>  | <b>9,286</b>   | <b>9,286</b>   |
| <b>58 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM</b>                             | <b>111,431</b> | <b>111,431</b> |
| <b>59 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT</b>                          | <b>36,496</b>  | <b>36,496</b>  |
| <b>60 OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT</b>                              | <b>6,193</b>   | <b>6,193</b>   |
| <b>61 ENVIRONMENTAL PROTECTION</b>  | <b>21,647</b>  | <b>21,647</b>  |
| <b>62 NAVY ENERGY PROGRAM</b>   | <b>60,320</b>  | <b>75,320</b>  |
| Program increase - marine energy systems for sensors and microgrids             |                | 10,000         |
| Program increase - Navy energy systems  |                | 5,000          |
| <b>63 FACILITIES IMPROVEMENT</b>  | <b>5,664</b>   | <b>5,664</b>   |
| <b>64 CHALK CORAL</b>   | <b>833,634</b> | <b>753,634</b> |
| Classified adjustment   |                | -80,000        |

91E

| R-1 |  | Budget Request | Final Bill                  |
|-----|--|----------------|-----------------------------|
| 65  | NAVY LOGISTIC PRODUCTIVITY   | 899            | 899                         |
| 66  | RETRACT MAPLE  | 363,973        | 363,973                     |
| 67  | LINK PLUMERIA  | 1,038,661      | 1,038,661                   |
| 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 -<br>DEM/VAL  | 18,628         | 18,628                      |
| 74  | DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS  | 65,080         | 65,080                      |
| 75  | F/A-18 INFRARED SEARCH AND TRACK (IRST)<br>Program increase - disruptive air and missile defense                                   | 40,069         | 55,069<br>15,000            |
| 76  | DIGITAL WARFARE OFFICE   | 165,753        | 165,753                     |
| 77  | SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES<br>LBS-AUV(S) TTL&R Phase 1 award delay<br>Medusa request for proposal delays          | 106,347        | 89,367<br>-4,000<br>-12,980 |
| 78  | UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES  | 60,697         | 60,697                      |
| 79  | RAPID PROTOTYPING, EXPERIMENTATION AND<br>DEMONSTRATION<br>Undefined requirement   | 57,000         | 50,580<br>-6,420            |
| 81  | GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN<br>78 - 80)   | 116,498        | 116,498                     |
| 82  | LITTORAL AIRBORNE MCM<br>COBRA Bk II EMD delay   | 47,389         | 30,240<br>-17,149           |
| 83  | SURFACE MINE COUNTERMEASURES   | 12,959         | 12,959                      |
| 84  | TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES<br>(TADIRCM)<br>Program increase - distributed aperture infrared countermeasures | 15,028         | 39,028<br>24,000            |
| 85  | NEXT GENERATION LOGISTICS<br>Program increase - additive manufacturing part screening tool   | 2,342          | 7,342<br>5,000              |
| 86  | FUTURE VERTICAL LIFT (MARITIME STRIKE)   | 5,103          | 5,103                       |
| 87  | RAPID TECHNOLOGY CAPABILITY PROTOTYPE<br>Program increase - Marine Corps warfighting lab partnership                               | 62,927         | 67,927<br>5,000             |

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| R-1 |  | Budget Request | Final Bill                                      |
|-----|--|----------------|---|
| 88  | <b>LX (R)</b><br>Dynamic interface testing ahead of need   | 26,630         | 18,830<br>-7,800                                |
| 89  | <b>ADVANCED UNDERSEA PROTOTYPING</b><br>XLUUV testing delay  | 116,880        | 94,872<br>-22,008                               |
| 90  | <b>COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS)</b>   | 7,438          | 7,438   |
| 91  | <b>PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM</b><br>Navy-designated MALD-N program termination<br>Program increase - SLCM-N   | 84,734         | 34,843<br>-74,891<br>25,000                     |
| 92  | <b>SPACE AND ELECTRONIC WARFARE (SEW)<br/>ARCHITECTURE/ENGINEERING SUPPORT</b>   | 10,229         | 10,229  |
| 93  | <b>OFFENSIVE ANTI-SURFACE WARFARE WEAPON<br/>DEVELOPMENT</b><br>Navy-requested transfer from WP,N line 8 for AGM-158C3 acceleration<br>OASuW Inc. 2 test and evaluation ahead of need<br>OASuW Inc 1.1 contract excess to need<br>Program increase - hypersonic offensive anti-surface warfare increment 2 | 124,204        | 223,826<br>46,481<br>-7,700<br>-6,259<br>67,100 |
| 94  | <b>MEDIUM UNMANNED SURFACE VEHICLES (MUSVS)</b><br>MUSV ship qualification testing ahead of need<br>MUSV certification ahead of need   | 104,000        | 86,443<br>-13,657<br>-3,900                     |
| 95  | <b>UNMANNED SURFACE VEHICLE ENABLING CAPABILITIES</b>  | 181,620        | 181,620   |
| 96  | <b>GROUND BASED ANTI-SHIP MISSILE</b>  | 43,090         | 43,090  |
| 97  | <b>LONG RANGE FIRES</b>  | 36,693         | 36,693  |
| 98  | <b>CONVENTIONAL PROMPT STRIKE (CPS)</b><br>Program increase - flight tests   | 1,205,041      | 1,230,041<br>25,000                             |
| 99  | <b>ASW SYSTEMS DEVELOPMENT - MIP</b>   | 9,856          | 9,856   |
| 100 | <b>ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM</b><br>Program increase - group 3 advanced autonomous systems<br>Program increase - mobile unmanned/manned distributed lethality airborne network  | 1,735          | 16,735<br>5,000<br>10,000                       |
| 101 | <b>ELECTRONIC WARFARE DEVELOPMENT - MIP</b>  | 796            | 796   |
| 102 | <b>TRAINING SYSTEM AIRCRAFT</b>  | 15,128         | 15,128  |
| 103 | <b>MARITIME TARGETING CELL</b><br>Program increase - maritime targeting cell - afloat  | 39,600         | 69,600<br>30,000                                |
| 104 | <b>OTHER HELO DEVELOPMENT</b>  | 66,010         | 66,010  |
| 105 | <b>AV-8B AIRCRAFT - ENG DEV</b>  | 9,205          | 9,205   |
| 106 | <b>STANDARDS DEVELOPMENT</b>   | 3,766          | 3,766   |

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| R-1  | Budget Request | Final Bill                     |
|--|----------------|--------------------------------|
| <b>107 MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT</b><br>Program increase: MH-60 capability upgrades   | 44,684         | 54,684<br>10,000               |
| <b>108 P-3 MODERNIZATION PROGRAM</b>   | 343            | 343                            |
| <b>109 WARFARE SUPPORT SYSTEM</b><br>Program increase - NSW unmanned vehicle development   | 12,337         | 16,337<br>4,000                |
| <b>110 COMMAND AND CONTROL SYSTEMS</b>   | 143,575        | 143,575                        |
| <b>111 ADVANCED HAWKEYE</b><br>Excess growth<br>Program increase - radar modernization and testing   | 502,956        | 487,281<br>-35,675<br>20,000   |
| <b>112 H-1 UPGRADES</b>  | 43,759         | 43,759                         |
| <b>113 ACOUSTIC SEARCH SENSORS</b>   | 50,231         | 50,231                         |
| <b>114 V-22A</b>   | 125,233        | 125,233                        |
| <b>115 AIR CREW SYSTEMS DEVELOPMENT</b><br>Program increase - aircrew systems development  | 43,282         | 50,282<br>7,000                |
| <b>116 EA-18</b>   | 116,589        | 116,589                        |
| <b>117 ELECTRONIC WARFARE DEVELOPMENT</b><br>Historical underexecution<br>Program increase - filter technology for electronic warfare mitigation                       | 141,138        | 144,471<br>-6,667<br>10,000    |
| <b>118 EXECUTIVE HELO DEVELOPMENT</b>  | 45,645         | 45,645                         |
| <b>119 NEXT GENERATION JAMMER (NGJ)</b>  | 54,679         | 54,679                         |
| <b>120 JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)</b><br>Program increase - integrated photonic systems  | 329,787        | 334,787<br>5,000               |
| <b>121 NEXT GENERATION JAMMER (NGJ) INCREMENT II</b><br>Primary hardware development delay due to EMD protest<br>Systems engineering excess to need due to EMD protest | 301,737        | 135,467<br>-146,350<br>-19,920 |
| <b>122 SURFACE COMBATANT COMBAT SYSTEM ENGINEERING</b><br>Aegis capability package 2024 delay<br>Program increase - enabling condition-based maintenance plus (CBM+)   | 347,233        | 345,489<br>-11,744<br>10,000   |
| <b>124 SMALL DIAMETER BOMB (SDB)</b>   | 42,881         | 42,881                         |
| <b>125 STANDARD MISSILE IMPROVEMENTS</b><br>SM-6 BLK 1B OTA delays   | 319,943        | 309,943<br>-10,000             |
| <b>126 AIRBORNE MCM</b>  | 10,882         | 10,882                         |
| <b>127 NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR SYSTEMS ENGINEERING</b>   | 45,892         | 45,892                         |
| <b>128 ADVANCED SENSORS APPLICATION PROGRAM (ASAP)</b><br>Program increase   | 0              | 13,000<br>13,000               |

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| R-1   | Budget Request | Final Bill                           |
|---|----------------|--------------------------------------|
| 129 ADVANCED ABOVE WATER SENSORS<br>Historical underexecution   | 81,254         | 72,917<br>-8,337                     |
| 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<br>Program increase - theater edge correlation and distribution system   | 11,160         | 16,160<br>5,000                      |
| 134 AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM   | 87,459         | 87,459                               |
| 135 ADVANCED ARRESTING GEAR (AAG)   | 151            | 151                                  |
| 136 NEW DESIGN SSN<br>Program increase - precision maneuvering units  | 307,585        | 316,085<br>8,500                     |
| 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<br>Phase II AUR ahead of need   | 142,000        | 135,500<br>-6,500                    |
| 142 JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT  | 8,618          | 8,618                                |
| 143 USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS - ENG<br>DEV   | 45,025         | 45,025                               |
| 144 PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS  | 7,454          | 7,454                                |
| 145 JOINT STANDOFF WEAPON SYSTEMS   | 758            | 758                                  |
| 146 SHIP SELF DEFENSE (DETECT & CONTROL)<br>Historical underexecution   | 159,426        | 156,426<br>-3,000                    |
| 147 SHIP SELF DEFENSE (ENGAGE: HARD KILL)<br>Program increase - ALaMO block 1 projectile<br>ESSM BIK 2 FOT&E ahead of need<br>ESSM next generation launching system award delay | 71,818         | 84,518<br>20,000<br>-4,300<br>-3,000 |
| 148 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)<br>Program increase - shipboard EW self-protection   | 92,687         | 97,687<br>5,000                      |
| 149 INTELLIGENCE ENGINEERING  | 23,742         | 23,742                               |
| 150 MEDICAL DEVELOPMENT<br>Program increase - military dental research<br>Program increase - mitigating circadian misalignment  | 3,178          | 16,178<br>10,000<br>3,000            |

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| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>151 NAVIGATION/ID SYSTEM</b>   | <b>53,209</b>  | <b>60,209</b>  |
| Program increase - micro 5 IFF interrogator   |                | 7,000          |
| <b>152 JOINT STRIKE FIGHTER (JSF) - EMD</b>   | <b>611</b>     | <b>611</b>     |
| <b>153 JOINT STRIKE FIGHTER (JSF) - EMD</b>   | <b>234</b>     | <b>234</b>     |
| <b>154 SSN(X)</b>   | <b>143,949</b> | <b>133,949</b> |
| Unjustified management growth   |                | -4,000         |
| Unjustified support growth  |                | -6,000         |
| <b>155 INFORMATION TECHNOLOGY DEVELOPMENT</b>                                       | <b>11,361</b>  | <b>11,361</b>  |
| <b>156 INFORMATION TECHNOLOGY DEVELOPMENT</b>                                       | <b>290,353</b> | <b>318,103</b> |
| Program increase - digital twin development   |                | 7,000          |
| Program increase - warfare mission analysis in cyber contested environment          |                | 5,000          |
| Program increase - broadband network for Navy-owned research vessels                |                | 8,000          |
| Program increase - classified data exchange environment for submarines              |                | 2,750          |
| Program increase - cyber supply chain risk management                               |                | 5,000          |
| <b>157 ANTI-TAMPER TECHNOLOGY SUPPORT</b>   | <b>7,271</b>   | <b>7,271</b>   |
| <b>158 TACAMO MODERNIZATION</b>   | <b>554,193</b> | <b>502,493</b> |
| Airframe unit cost adjustment   |                | -51,700        |
| <b>159 CH-53K RDTE</b>  | <b>220,240</b> | <b>220,240</b> |
| <b>160 MISSION PLANNING</b>   | <b>71,107</b>  | <b>76,107</b>  |
| Program increase - multi-domain anti-submarine solutions                            |                | 5,000          |
| <b>161 COMMON AVIONICS</b>  | <b>77,960</b>  | <b>77,960</b>  |
| <b>162 SHIP TO SHORE CONNECTOR (SSC)</b>  | <b>2,886</b>   | <b>17,886</b>  |
| Program increase - LCAC propeller production demonstration                          |                | 10,000         |
| Program increase - artificial intelligence for ready relevant learning              |                | 5,000          |
| <b>163 T-AO 205 CLASS</b>   | <b>220</b>     | <b>220</b>     |
| <b>164 UNMANNED CARRIER AVIATION (UCA)</b>  | <b>265,646</b> | <b>254,446</b> |
| Test and evaluation excess to need due to EDM delivery delays                       |                | -11,200        |
| <b>165 JOINT AIR-TO-GROUND MISSILE (JAGM)</b>                                       | <b>371</b>     | <b>371</b>     |
| <b>166 MULTI-MISSION MARITIME AIRCRAFT (MMA)</b>                                    | <b>37,939</b>  | <b>37,939</b>  |
| <b>167 MULTI-MISSION MARITIME (MMA) INCREMENT III</b>                               | <b>161,697</b> | <b>161,697</b> |
| <b>168 MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT<br/>&amp; DEMONSTRATION</b> | <b>94,569</b>  | <b>91,501</b>  |
| Historical underexecution   |                | -3,068         |
| <b>169 JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM</b>                               | <b>2,856</b>   | <b>2,856</b>   |

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| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>170 DDG-1000</b>  | <b>197,436</b> | <b>180,374</b> |
| Prior year underexecution  |                | -12,762        |
| Overestimation of CPS management requirement   |                | -4,300         |
| <b>171 COUNTERING ADVANCED CONVENTIONAL WEAPONS (CACW)</b>                               | <b>12,341</b>  | <b>12,341</b>  |
| <b>175 ISR &amp; INFO OPERATIONS</b>   | <b>135,366</b> | <b>135,366</b> |
| <b>176 CYBER OPERATIONS TECHNOLOGY DEVELOPMENT</b>                                       | <b>37,038</b>  | <b>37,038</b>  |
| <b>177 THREAT SIMULATOR DEVELOPMENT</b>  | <b>29,430</b>  | <b>29,430</b>  |
| <b>178 TARGET SYSTEMS DEVELOPMENT</b>  | <b>13,708</b>  | <b>28,708</b>  |
| Program increase - energetic technology advancements                                     |                | 15,000         |
| <b>179 MAJOR T&amp;E INVESTMENT</b>  | <b>95,316</b>  | <b>141,371</b> |
| Historical underexecution  |                | -1,945         |
| Program increase - joint simulation environment  |                | 8,000          |
| Program increase - real-time pulse-level modeling and simulation                         |                | 10,000         |
| Program increase - test capabilities acceleration - China Lake flight termination system |                | 10,000         |
| Program increase - test capabilities acceleration - Pacific Missile                      |                |                |
| Range Facility data management modernization   |                | 20,000         |
| <b>180 STUDIES AND ANALYSIS SUPPORT - NAVY</b>   | <b>3,286</b>   | <b>3,286</b>   |
| <b>181 CENTER FOR NAVAL ANALYSES</b>   | <b>40,624</b>  | <b>40,624</b>  |
| <b>183 TECHNICAL INFORMATION SERVICES</b>  | <b>987</b>     | <b>987</b>     |
| <b>184 MANAGEMENT, TECHNICAL &amp; INTERNATIONAL SUPPORT</b>                             | <b>105,152</b> | <b>110,152</b> |
| Program increase - consortium for additive manufacturing research and education          |                | 5,000          |
| <b>185 STRATEGIC TECHNICAL SUPPORT</b>   | <b>3,787</b>   | <b>3,787</b>   |
| <b>186 RDT&amp;E SHIP AND AIRCRAFT SUPPORT</b>   | <b>173,352</b> | <b>173,352</b> |
| <b>187 TEST AND EVALUATION SUPPORT</b>   | <b>468,281</b> | <b>479,281</b> |
| Program increase - range safety improvements   |                | 10,000         |
| Program increase - future workforce innovation   |                | 1,000          |
| <b>188 OPERATIONAL TEST AND EVALUATION CAPABILITY</b>                                    | <b>27,808</b>  | <b>27,808</b>  |
| <b>189 NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT</b>                               | <b>27,175</b>  | <b>27,175</b>  |
| <b>190 SEW SURVEILLANCE/RECONNAISSANCE SUPPORT</b>                                       | <b>7,186</b>   | <b>7,186</b>   |
| <b>191 MARINE CORPS PROGRAM WIDE SUPPORT</b>   | <b>39,744</b>  | <b>39,744</b>  |
| <b>192 MANAGEMENT HQ - R&amp;D</b>   | <b>40,648</b>  | <b>40,648</b>  |
| <b>193 WARFARE INNOVATION MANAGEMENT</b>   | <b>52,060</b>  | <b>52,060</b>  |
| <b>194 INSIDER THREAT</b>  | <b>2,315</b>   | <b>2,315</b>   |

91K

| R-1  | Budget Request | Final Bill   |
|--|----------------|--|
| <b>195 MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)</b>   | <b>1,811</b>   | <b>1,811</b>   |
| <b>198 SCIENCE &amp; TECHNOLOGY FOR NUCLEAR RE-ENTRY SYSTEMS</b><br>Navy requested realignment to BA 03 line 26A   | <b>65,735</b>  | <b>0</b><br>-65,735  |
| <b>201 F-35 C2D2</b><br>Program decrease<br>Program increase - F135 engine enhancement   | <b>525,338</b> | <b>531,032</b><br>-13,056<br>18,750                              |
| <b>202 F-35 C2D2</b><br>Program decrease<br>Program increase - F135 engine enhancement   | <b>491,513</b> | <b>498,365</b><br>-11,898<br>18,750                              |
| <b>203 MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS</b><br>Program increase - COTS expeditionary radar augmentation<br>Program increase - Medium-Range Intercept Capability (MRIC)<br>Program increase - next generation counter-UAS hard kill                                 | <b>48,663</b>  | <b>69,663</b><br>4,000<br>7,000<br>10,000                        |
| <b>204 COOPERATIVE ENGAGEMENT CAPABILITY (CEC)</b>   | <b>156,121</b> | <b>156,121</b>   |
| <b>205 STRATEGIC SUB &amp; WEAPONS SYSTEM SUPPORT</b><br>Program increase - next generation strategic inertial measurement unit<br>Program increase - multimodal biometric authentication<br>Program increase - navigation modernization capabilities                      | <b>284,502</b> | <b>312,502</b><br>10,000<br>8,000<br>10,000                      |
| <b>206 SSBN SECURITY TECHNOLOGY PROGRAM</b>  | <b>50,939</b>  | <b>50,939</b>  |
| <b>207 SUBMARINE ACOUSTIC WARFARE DEVELOPMENT</b><br>TI-2 concurrency<br>Program increase - integration of four-tube launch system   | <b>81,237</b>  | <b>81,237</b><br>-5,000<br>5,000                                 |
| <b>208 NAVY STRATEGIC COMMUNICATIONS</b>   | <b>49,424</b>  | <b>49,424</b>  |
| <b>209 F/A-18 SQUADRONS</b><br>BLOS phasing<br>Overestimation of block III studies and analyses<br>Program increase - advanced beacon landing system upgrade<br>Program increase - secure LVC advanced training environment<br>Program increase - noise reduction research | <b>238,974</b> | <b>255,204</b><br>-4,000<br>-13,770<br>10,000<br>20,000<br>4,000 |
| <b>210 SURFACE SUPPORT</b><br>Program increase - test capabilities acceleration - subsonic aerial target<br>Program increase - test capabilities acceleration - seaborne powered target  | <b>12,197</b>  | <b>57,197</b><br>30,000<br>15,000                                |
| <b>211 TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)</b><br>MST development contract excess to need   | <b>132,719</b> | <b>122,719</b><br>-10,000  |
| <b>212 INTEGRATED SURVEILLANCE SYSTEM</b><br>DSS DWP 1.1 fabrication excess to need<br>Program increase - deployable surveillance systems<br>Program increase - deep water active<br>Program increase - next-gen twin-line towed array                                     | <b>68,417</b>  | <b>98,517</b><br>-2,400<br>14,500<br>8,000<br>10,000             |

91L

| R-1   | Budget Request | Final Bill                 |
|---|----------------|----------------------------|
| 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 (GIATOR)   | 61,422         | 61,422                     |
| 216 CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT<br>Program increase - test capabilities acceleration - Barking Sands<br>Undersea Range extension          | 70,339         | 80,339<br>10,000           |
| 217 ELECTRONIC WARFARE (EW) READINESS SUPPORT<br>Historical underexecution  | 47,436         | 45,936<br>-1,500           |
| 218 ANTI-RADIATION MISSILE IMPROVEMENT<br>AARGM-ER test excess to need<br>Program increase - AARGM improvements   | 90,779         | 89,479<br>-6,300<br>5,000  |
| 219 SURFACE ASW COMBAT SYSTEM INTEGRATION   | 28,999         | 28,999                     |
| 220 MK-48 ADCAP   | 155,868        | 155,868                    |
| 221 AVIATION IMPROVEMENTS<br>Program increase - autonomous FOD mitigation technology<br>Program increase - augmented reality remote maintenance service | 130,450        | 149,450<br>15,000<br>4,000 |
| 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<br>Program increase - integrated helmet system   | 100,536        | 106,036<br>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                     |
| 238 MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES  | 8,415          | 8,415                      |

91M

| R-1   | Budget Request | Final Bill                |
|---|----------------|---------------------------|
| 239 TACTICAL UNMANNED AERIAL VEHICLES   | 10,576         | 10,576                    |
| 240 UAS INTEGRATION AND INTEROPERABILITY<br>Inconsistent resourcing profile for pending acquisition strategy change       | 18,373         | 15,396<br>-2,977          |
| 241 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS   | 45,705         | 45,705                    |
| 242 MQ-4C TRITON  | 13,893         | 13,893                    |
| 243 MQ-8 UAV<br>Program increase - data bus cybersecurity<br>Program increase - datalink networks and software automation | 0              | 27,000<br>7,000<br>20,000 |
| 244 RQ-11 UAV   | 1,234          | 1,234                     |
| 245 SMALL (LEVEL 0) TACTICAL UAS (STUASL0)  | 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<br>Increment 1 to increment 2 transition not properly phased                                       | 163,277        | 150,093<br>-13,184        |
| 251 INTELLIGENCE MISSION DATA (IMD)   | 851            | 851                       |
| 252 MODELING AND SIMULATION SUPPORT   | 9,437          | 9,437                     |
| 253 DEPOT MAINTENANCE (NON-IF)<br>Program increase - joint enterprise data interoperability for F-35 depots               | 26,248         | 31,248<br>5,000           |
| 254 MARITIME TECHNOLOGY (MARITECH)  | 2,133          | 2,133                     |
| 999 CLASSIFIED PROGRAMS<br>Classified adjustment  | 1,705,711      | 2,361,311<br>655,600      |
| 256 RISK MANAGEMENT INFORMATION - SOFTWARE PILOT PROGRAM  | 12,810         | 12,810                    |
| 257 MARITIME TACTICAL COMMAND AND CONTROL (MTC2) - SOFTWARE PILOT PROGRAM   | 11,198         | 11,198                    |
| TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY   | 24,082,618     | 26,017,309                |

91N

#### ULTRA-LONG ENDURANCE UNMANNED AERIAL SYSTEMS

The agreement 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 Chief of Naval Research is directed to provide a report to the congressional defense committees, not later than 90 days following the 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.

#### 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 agreement notes that recently, the 81mm mortar precision guidance kit was tested by the Marine Corps from an unmanned aerial system. Further, the agreement notes that maturation of the prototype guidance system to operate in a GPS-denied environment is technically achievable and feasible. Therefore, the Under Secretary of Defense (Comptroller) is directed to provide a plan, not later than 60 days after the enactment of this Act, for technology maturation and potential fielding of this capability by one or more of the services.

#### LARGE DISPLACEMENT UNMANNED UNDERSEA VEHICLE PROGRAM

The agreement notes that the fiscal year 2023 President's budget request did not include funding for the Snakehead Large Displacement Unmanned Undersea Vehicle (LDUUV) program and proposes a divestment from the platform including all planned procurements in the future years defense program (FYDP) following the Department's decision to reprogram fiscal year 2022 programmatic funds. The agreement further notes that there have been significant advancements in commercially available unmanned undersea vehicle (UUV) technology since the inception of the Snakehead LDUUV program. The Secretary of the Navy is encouraged to prioritize advancements in autonomy, endurance, and multi-mission payload capability now available in the commercial LDUUV sector.

Consistent with the Navy's goal of delivering these significant advantages in the undersea domain to the fleet, the Secretary of the Navy, in consultation with the Chief of Naval Operations and the Assistant Secretary of the Navy (Research, Development, and Acquisition), is encouraged to integrate available commercial LDUUV platforms into the test and evaluation schedule for UUVs. The Secretary of the Navy is further encouraged to integrate commercially available UUV technology into Navy and Marine Corps concept of operations development and resourcing, procurement, and fielding plans over the FYDP.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

The agreement provides \$44,946,927,000 for Research, Development, Test and Evaluation, Air Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 94A-Q

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

| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>1 DEFENSE RESEARCH SCIENCES</b>  | <b>375,325</b> | <b>406,125</b> |
| Program increase - Space Force human performance optimization research                                      |                | 5,800          |
| Program increase - basic research   |                | 25,000         |
| <b>2 UNIVERSITY RESEARCH INITIATIVES</b>  | <b>171,192</b> | <b>206,192</b> |
| Program increase - defense university research instrumentation program                                      |                | 30,000         |
| Program increase - gigahertz-terahertz research   |                | 5,000          |
| <b>4 FUTURE AIR FORCE CAPABILITIES APPLIED RESEARCH</b>   | <b>88,672</b>  | <b>99,901</b>  |
| Transformational capability incubator unjustified growth  |                | -8,771         |
| Program increase - alternative energy research  |                | 20,000         |
| <b>5 MATERIALS</b>  | <b>134,795</b> | <b>275,945</b> |
| Program increase - additive manufactured ceramic matrix composites  |                | 5,000          |
| Program increase - born qualified additive manufacturing  |                | 10,000         |
| Program increase - deployable passive cooling   |                | 5,000          |
| Program increase - flexible conductive materials  |                | 5,000          |
| Program increase - high and ultra-high temperature ceramic-matrix composites for hypersonics                |                | 10,000         |
| Program increase - maturation of carbon-carbon thermal protection systems                                   |                | 5,000          |
| Program increase - transparency repair program  |                | 4,650          |
| 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          |
| 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 - accelerated material development for high mach capabilities                              |                | 10,000         |
| Program increase - small satellite technology   |                | 20,000         |
| Program increase - disruptive alloy metals development  |                | 10,000         |
| Program increase - electromagnetic protected advanced lightweight multifunctional materials                 |                | 5,000          |
| Program increase - additive manufacturing of alloys   |                | 10,000         |
| <b>6 AEROSPACE VEHICLE TECHNOLOGIES</b>   | <b>159,453</b> | <b>199,453</b> |
| Program increase - collaborative hypersonic demonstration   |                | 10,000         |
| Program increase - educational partnership agreement for aerospace engineering systems security integration |                | 10,000         |
| Program increase - educational partnership agreement for secure UAV technologies                            |                | 10,000         |
| Program increase - full scale determinant assembly for hypersonic airframe structures                       |                | 10,000         |

94A

| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>7 HUMAN EFFECTIVENESS APPLIED RESEARCH</b>                                      | <b>135,771</b> | <b>150,771</b> |
| Program increase - critical air transport technology expansion                     |                | 7,000          |
| Program increase - special tactics support assessment                              |                | 4,000          |
| Program increase - advanced warfighter physiology and operational readiness        |                | 4,000          |
| <b>8 AEROSPACE PROPULSION</b>  | <b>172,861</b> | <b>212,361</b> |
| Program increase - emergency power and cooling thermal management growth           |                | 9,500          |
| Program increase - modular cooling capacity for tactical aircraft                  |                | 5,000          |
| Program increase - modular open system architecture for turbine engine technology  |                | 8,000          |
| 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          |
| <b>9 AEROSPACE SENSORS</b>   | <b>192,733</b> | <b>260,833</b> |
| Program increase - automated legacy code modernization                             |                | 4,100          |
| Program increase - heterogeneous integration of microelectronics                   |                | 5,000          |
| Program increase - low cost sensors for UAVs                                       |                | 5,000          |
| Program increase - zero-trust environment for semi-conductor technology            |                | 10,000         |
| 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          |
| <b>11 S&amp;T MANAGEMENT - MAJOR HQ ACTIVITIES</b>                                 | <b>8,856</b>   | <b>8,856</b>   |
| <b>12 CONVENTIONAL MUNITIONS</b>   | <b>137,303</b> | <b>144,303</b> |
| Program increase - convergence technology research                                 |                | 10,000         |
| Warhead technologies unjustified growth  |                | -3,000         |
| <b>13 DIRECTED ENERGY TECHNOLOGY</b>   | <b>109,302</b> | <b>120,947</b> |
| Air Force-requested transfer to RDTE,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         |
| <b>14 DOMINANT INFORMATION SCIENCES AND METHODS</b>                                | <b>166,041</b> | <b>271,041</b> |
| Program increase - ion trap quantum computing                                      |                | 30,000         |
| Program increase - quantum network testbed   |                | 10,000         |
| Program increase - secure quantum computing facility (CDM)                         |                | 20,000         |
| Program increase - internet of things innovation ecosystem                         |                | 5,000          |
| Program increase - traffic management operational readiness                        |                | 10,000         |
| Program increase - university-based quantum materials applied research             |                | 30,000         |

94B

| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>16 FUTURE AIR FORCE INTEGRATED TECHNOLOGY DEMOS</b>                             | <b>152,559</b> | <b>163,916</b> |
| Future transformational capabilities unjustified growth                            |                | -75,633        |
| Program increase - automated geospatial intelligence detection algorithms          |                | 5,000          |
| Rocket cargo insufficient justification  |                | -15,000        |
| 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         |
| Transfer from line 28 for transformational technology development                  |                | 5,214          |
| Transfer from line 30 for transformational technology development                  |                | 12,905         |
| <b>17 ADVANCED MATERIALS FOR WEAPON SYSTEMS</b>                                    | <b>29,116</b>  | <b>49,765</b>  |
| Transfer to line 16 for future transformational capabilities                       |                | -4,351         |
| Program increase - metals affordability research                                   |                | 10,000         |
| Program increase - polymer printing technology for additive manufacturing          |                | 5,000          |
| Program increase - advanced aerospace materials technology development and testing |                | 10,000         |
| <b>18 SUSTAINMENT S&amp;T</b>  | <b>10,695</b>  | <b>10,662</b>  |
| Transfer to line 16 for future transformational capabilities                       |                | -33            |
| <b>19 ADVANCED AEROSPACE SENSORS</b>   | <b>36,997</b>  | <b>37,917</b>  |
| Transfer to line 16 for future transformational capabilities                       |                | -4,680         |
| Program increase - modular open autonomous software testing                        |                | 5,600          |
| <b>20 AEROSPACE TECHNOLOGY DEV/DEMO</b>  | <b>54,727</b>  | <b>95,275</b>  |
| Transfer to line 16 for future transformational capabilities                       |                | -12,452        |
| Program increase - hypersonic aircraft rapid prototyping                           |                | 30,000         |
| Program increase - unmanned adversary air platform                                 |                | 10,000         |
| Program increase - bonded unitized composites large scale structural demonstration |                | 10,000         |
| Program increase - digital design studio   |                | 2,000          |
| Program increase - aircraft self-defense beam director                             |                | 1,000          |
| <b>21 AEROSPACE PROPULSION &amp; POWER TECHNOLOGY</b>                              | <b>64,254</b>  | <b>94,540</b>  |
| Transfer to line 16 for future transformational capabilities                       |                | -7,044         |
| Program increase - altitude chamber infrastructure upgrades                        |                | 5,000          |
| Program increase - low spool generator capabilities                                |                | 5,000          |
| Program increase - advanced hybrid rocket engine development                       |                | 5,000          |
| Program increase - silicon carbide research  |                | 10,000         |
| Program increase - turbo air cool HTPEM hydrogen fuel cell development             |                | 12,330         |
| <b>22 ELECTRONIC COMBAT TECHNOLOGY</b>   | <b>33,380</b>  | <b>31,037</b>  |
| Transfer to line 16 for future transformational capabilities                       |                | -2,343         |

94C

| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>23 SCIENCE &amp; TECHNOLOGY FOR NUCLEAR RE-ENTRY SYSTEMS</b>                                      | <b>39,431</b>  | <b>27,031</b>  |
| Re-entry system technologies testing ahead of need   |                | -12,400        |
| <b>26 HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY</b>  | <b>20,652</b>  | <b>15,440</b>  |
| Transfer to line 16 for future transformational capabilities   |                | -5,212         |
| <b>27 CONVENTIONAL WEAPONS TECHNOLOGY</b>  | <b>187,374</b> | <b>154,618</b> |
| Transfer to line 16 for future transformational capabilities   |                | -42,756        |
| Program increase - next generation affordable direct attack munition                                 |                | 10,000         |
| <b>28 ADVANCED WEAPONS TECHNOLOGY</b>  | <b>98,503</b>  | <b>89,089</b>  |
| Transfer to line 16 for future transformational capabilities   |                | -5,214         |
| Program increase - LIDAR CUAS automated target recognition   |                | 5,000          |
| High energy laser/beam control unjustified growth  |                | -9,200         |
| <b>29 MANUFACTURING TECHNOLOGY PROGRAM</b>   | <b>47,759</b>  | <b>270,959</b> |
| Program increase - academic-industry partnerships for advanced materials and manufacturing processes |                | 6,000          |
| Program increase - adaptive modeling for low-cost titanium   |                | 5,000          |
| Program increase - additive manufacturing qualification  |                | 5,000          |
| Program increase - beryllium additive manufacturing  |                | 3,000          |
| Program increase - composites for advanced air mobility  |                | 10,000         |
| Program increase - digital engineering work cell   |                | 5,000          |
| Program increase - gallium oxide for high power electronics  |                | 5,000          |
| Program increase - vertical integration of scramjet supply chain                                     |                | 10,000         |
| Program increase - low cost rapid aerospace fabrication technology                                   |                | 6,500          |
| Program increase - manufacturing technology for reverse engineering                                  |                | 5,000          |
| Program increase - MRO advanced process technology development                                       |                | 10,000         |
| Program increase - smart manufacturing digital thread initiative                                     |                | 10,000         |
| Program increase - technologies to repair fastener holes   |                | 5,000          |
| Program increase - trusted metal additive manufacturing  |                | 10,000         |
| Program increase - virtual augmented mixed reality readiness   |                | 8,000          |
| 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 - F-35 agnostic battery development   |                | 9,800          |
| 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 for optimal 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 - nanocomposite coatings advanced research  |                | 10,000         |
| Program increase - digital engineering enabled workforce development                                 |                | 7,000          |
| Program increase - alternative domestic rubber production  |                | 5,100          |
| Program increase - hypersonic manufacturing capability and supply                                    |                | 5,000          |
| Program increase - advanced air mobility in NEO environment  |                | 10,000         |

94D

| R-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>30 BATTLESPACE KNOWLEDGE DEV/DEMO</b>                        | <b>51,824</b>    | <b>55,919</b>    |
| Program increase - assured communication and networks           |                  | 10,000           |
| Transfer to line 16 for future transformational capabilities    |                  | -12,905          |
| Program increase - non-PKI-based advanced encryption modalities |                  | 7,000            |
| <b>31 ARMAMENT DEMONSTRATION AND VALIDATION</b>                 | <b>125,688</b>   | <b>75,688</b>    |
| Lack of clear strategy, requirements, or execution plan         |                  | -50,000          |
| <b>32 INTELLIGENCE ADVANCED DEVELOPMENT</b>                     | <b>6,101</b>     | <b>6,101</b>     |
| <b>33 COMBAT IDENTIFICATION TECHNOLOGY</b>                      | <b>17,318</b>    | <b>13,718</b>    |
| Air target identification (ATID) unjustified growth             |                  | -3,600           |
| <b>34 NATO RESEARCH AND DEVELOPMENT</b>                         | <b>4,295</b>     | <b>4,295</b>     |
| <b>35 ICBM DEM/VAL</b>  | <b>46,432</b>    | <b>46,432</b>    |
| <b>36 NC3 ADVANCED CONCEPTS</b>                                 | <b>5,098</b>     | <b>5,098</b>     |
| <b>38 ADVANCED BATTLE MANAGEMENT SYSTEM</b>                     | <b>231,408</b>   | <b>241,408</b>   |
| Program increase - advanced battle management system            |                  | 10,000           |
| <b>39 ADVANCED ENGINE DEVELOPMENT</b>                           | <b>353,658</b>   | <b>286,096</b>   |
| Transfer to line 39A for NGAP                                   |                  | -67,562          |
| <b>39A NEXT GENERATION ADAPTIVE PROPULSION (NGAP)</b>           | <b>0</b>         | <b>220,362</b>   |
| Transfer from line 39 for NGAP                                  |                  | 67,562           |
| Program increase  |                  | 152,800          |
| <b>40 DEPT OF THE AIR FORCE TECH ARCHITECTURE</b>               | <b>66,615</b>    | <b>50,000</b>    |
| Program growth  |                  | -16,615          |
| <b>41 LONG RANGE STRIKE - BOMBER</b>                            | <b>3,253,584</b> | <b>3,143,584</b> |
| Excess to need  |                  | -110,000         |
| <b>42 DIRECTED ENERGY PROTOTYPING</b>                           | <b>4,269</b>     | <b>4,269</b>     |
| <b>43 HYPERSONICS PROTOTYPING</b>                               | <b>431,868</b>   | <b>114,981</b>   |
| Air Force-requested transfer to line 44                         |                  | -316,887         |
| <b>44 HYPERSONIC ATTACK CRUISE MISSILE (HACM)</b>               | <b>144,891</b>   | <b>423,778</b>   |
| Air Force-requested transfer from line 43                       |                  | 316,887          |
| HACM integration qualification and test duplication of effort   |                  | -38,000          |
| <b>45 PNT RESILIENCY, MODS, AND IMPROVEMENTS</b>                | <b>12,010</b>    | <b>12,010</b>    |
| <b>46 ADVANCED TECHNOLOGY AND SENSORS</b>                       | <b>13,311</b>    | <b>12,311</b>    |
| I&TS carryover  |                  | -1,000           |
| <b>47 SURVIVABLE AIRBORNE OPERATIONS CENTER</b>                 | <b>203,213</b>   | <b>98,213</b>    |
| EMD early to need   |                  | -105,000         |

94E

| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>48 TECHNOLOGY TRANSFER</b>  | <b>16,759</b>  | <b>35,430</b>  |
| Program increase - academic partnership intermediary agreement tech transfer             |                | 10,000         |
| Program increase - technology transfer   |                | 3,671          |
| Program increase - partnership intermediary program                                      |                | 5,000          |
| <b>HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM</b>                                       |                |                |
| <b>49 (HDBTDS) PROGRAM</b>   | <b>106,826</b> | <b>141,826</b> |
| Program increase - test munitions replacement  |                | 35,000         |
| <b>50 CYBER RESILIENCY OF WEAPON SYSTEMS-ACS</b>   | <b>44,526</b>  | <b>44,526</b>  |
| <b>51 JOINT TRANSPORTATION MANAGEMENT SYSTEM</b>   | <b>51,758</b>  | <b>27,758</b>  |
| Product development ahead of need  |                | -24,000        |
| <b>52 DEPLOYMENT &amp; DISTRIBUTION ENTERPRISE</b>                                       | <b>27,586</b>  | <b>27,586</b>  |
| <b>53 TECH TRANSITION PROGRAM</b>  | <b>649,545</b> | <b>291,985</b> |
| Blended wing body funded in fiscal year 2022   |                | -15,000        |
| Unmanned adversary air (ADAIR-UX) experimentation ahead of need                          |                | -20,000        |
| Experimentation campaigns previously funded  |                | -10,000        |
| 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 finlets                          |                | -17,500        |
| Air Force-requested transfer to AP,AF line 51 for KC-135 operational energy improvements |                | -19,500        |
| Air Force-requested transfer to line 54  |                | -15,500        |
| 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 rotary engine hybrid power system                            |                | 10,000         |
| Program increase - operational additive manufacturing capabilities                       |                | 9,800          |
| 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         |
| <b>53A AFWERX Prime</b>  | <b>0</b>       | <b>185,860</b> |
| Transfer from line 53  |                | 130,860        |
| Program increase - Agility Prime   |                | 50,000         |
| Program increase - supersonic aircraft technologies                                      |                | 5,000          |
| <b>53B RAPID DEFENSE EXPERIMENTATION RESERVE</b>   | <b>0</b>       | <b>64,000</b>  |
| Transfer from line 53  |                | 64,000         |
| <b>53C NUCLEAR COMMAND, CONTROL, AND COMMUNICATIONS (NC3)</b>                            | <b>0</b>       | <b>97,000</b>  |
| Transfer from line 53  |                | 117,000        |
| NC3 commercial development/prototyping unjustified growth                                |                | -20,000        |

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| R-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>54 OPERATIONAL ENERGY AND INSTALLATION RESILIENCE</b>                                  | <b>0</b>         | <b>25,500</b>    |
| Air Force-requested transfer from line 53   |                  | 15,500           |
| Program increase - hydrogen fuel cell microgrid technology                                |                  | 10,000           |
| <b>56 NEXT GENERATION AIR DOMINANCE</b>   | <b>1,657,733</b> | <b>1,657,733</b> |
| <b>57 AUTONOMOUS COLLABORATIVE PLATFORMS</b>  | <b>51,747</b>    | <b>51,747</b>    |
| <b>58 COMBAT IDENTIFICATION</b>   | <b>1,866</b>     | <b>1,866</b>     |
| <b>59 3DELRR</b>  | <b>14,490</b>    | <b>14,490</b>    |
| <b>60 AIR BASE DEFENSE SYSTEM (ABADS)</b>   | <b>52,498</b>    | <b>47,498</b>    |
| BMC2 lack of justification  |                  | -5,000           |
| <b>61 WAR RESERVE MATERIEL - AMMUNITION</b>   | <b>10,288</b>    | <b>10,288</b>    |
| <b>64 CDL EXECUTIVE AGENT</b>   | <b>37,460</b>    | <b>37,460</b>    |
| <b>65 MISSION PARTNER ENVIRONMENTS</b>  | <b>17,378</b>    | <b>17,378</b>    |
| <b>66 CYBER OPERATIONS TECHNOLOGY SUPPORT</b>   | <b>234,576</b>   | <b>276,476</b>   |
| Program increase - cyber mission force operational support                                |                  | 16,000           |
| Program increase - joint cyberspace warfighting architecture                              |                  | 10,900           |
| Program increase - Cyber Command Hunt Forward   |                  | 15,000           |
| <b>67 ENABLED CYBER ACTIVITIES</b>  | <b>16,728</b>    | <b>16,728</b>    |
| <b>69 RAPID SUSTAINMENT MODERNIZATION (RSM)</b>   | <b>0</b>         | <b>69,000</b>    |
| Program increase - fused deposition modeling next generation missile manufacturing        |                  | 18,000           |
| Program increase - laser metal deposition powder for turbine engine component restoration |                  | 13,000           |
| 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           |                  | 20,000           |
| <b>70 CVV INTEGRATED PREVENTION</b>   | <b>9,315</b>     | <b>9,315</b>     |
| <b>71 CONTRACTING INFORMATION TECHNOLOGY SYSTEM</b>                                       | <b>14,050</b>    | <b>14,050</b>    |
| <b>72 U.S. SPACE COMMAND R&amp;D SUPPORT</b>  | <b>10,350</b>    | <b>8,350</b>     |
| Space modeling, simulation, and analysis early to need                                    |                  | -2,000           |
| <b>73 FUTURE ADVANCED WEAPON ANALYSIS &amp; PROGRAMS</b>                                  | <b>9,879</b>     | <b>9,879</b>     |
| <b>74 PNT RESILIENCY, MODS, AND IMPROVEMENTS</b>  | <b>176,824</b>   | <b>176,824</b>   |
| <b>75 NUCLEAR WEAPONS SUPPORT</b>   | <b>64,425</b>    | <b>64,425</b>    |

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| R-1 |  | Budget Request | Final Bill |
|-----|--|----------------|------------|
| 76  | <b>ELECTRONIC WARFARE DEVELOPMENT</b>  | 2,222          | 7,222      |
|     | Program increase - next generation ultra wideband receiver for radar jammer                            |                | 5,000      |
| 77  | <b>TACTICAL DATA NETWORKS ENTERPRISE</b>   | 133,117        | 134,217    |
|     | Program increase - software programmable open mission systems compliant radio                          |                | 6,500      |
|     | Program increase - KC-135 advanced intelligent gateway capability                                      |                | 6,000      |
|     | PTW inconsistent budget justification  |                | -11,400    |
| 78  | <b>PHYSICAL SECURITY EQUIPMENT</b>   | 8,493          | 8,493      |
| 79  | <b>ARMAMENT/ORDNANCE DEVELOPMENT</b>   | 5,279          | 5,279      |
| 80  | <b>SUBMUNITIONS</b>  | 3,273          | 3,273      |
| 81  | <b>AGILE COMBAT SUPPORT</b>  | 14,252         | 19,252     |
|     | Program increase - modern timber products for expeditionary construction                               |                | 5,000      |
| 83  | <b>LIFE SUPPORT SYSTEMS</b>  | 47,442         | 50,042     |
|     | NGES contract delay  |                | -2,400     |
|     | Program increase - pilot physiological monitoring  |                | 5,000      |
| 84  | <b>COMBAT TRAINING RANGES</b>  | 91,284         | 103,784    |
|     | Program increase - Joint Pacific Alaska Range Complex  |                | 12,500     |
| 86  | <b>LONG RANGE STANDOFF WEAPON</b>  | 928,850        | 928,850    |
| 87  | <b>ICBM FUZE MODERNIZATION</b>   | 98,376         | 98,376     |
| 88  | <b>JOINT TACTICAL NETWORK CENTER (JTNC)</b>  | 2,222          | 2,222      |
| 89  | <b>OPEN ARCHITECTURE MANAGEMENT</b>  | 38,222         | 38,222     |
| 90  | <b>ADVANCED PILOT TRAINING</b>   | 37,121         | 33,621     |
|     | Government test ahead of need  |                | -3,500     |
| 91  | <b>HH-60W (CRH)</b>  | 58,974         | 58,974     |
| 92  | <b>GROUND BASED STRATEGIC DETERRENT</b>  | 3,614,290      | 3,614,290  |
| 94  | <b>F-15 EPAWSS</b>   | 67,956         | 67,956     |
| 95  | <b>ISOLATED PERSONNEL SURVIVABILITY AND RECOVERY</b>   | 27,881         | 27,881     |
| 96  | <b>STAND IN ATTACK WEAPON</b>  | 283,152        | 263,152    |
|     | Program delays   |                | -20,000    |
| 97  | <b>FULL COMBAT MISSION TRAINING</b>  | 3,028          | 12,528     |
|     | Program increase - visual capabilities for live, virtual, and constructive air combat training systems |                | 9,500      |

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| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>102 KC-46A TANKER SQUADRONS</b>   | <b>197,510</b> | <b>177,529</b> |
| PACS delays  |                | -8,700         |
| Transfer to line 102A for KC-Y   |                | -11,281        |
| <b>102A KC-Y</b>   | <b>0</b>       | <b>11,281</b>  |
| Transfer from line 102   |                | 11,281         |
| <b>103 VC-25B</b>  | <b>492,932</b> | <b>147,932</b> |
| Excess to need   |                | -345,000       |
| <b>104 AUTOMATED TEST SYSTEMS</b>  | <b>16,664</b>  | <b>16,664</b>  |
| <b>105 TRAINING DEVELOPMENTS</b>   | <b>15,138</b>  | <b>10,838</b>  |
| Air mobility fundamentals insufficient budget justification  |                | -4,300         |
| <b>107 NEXT GENERATION OPIR</b>  | <b>148</b>     | <b>0</b>       |
| Programming error  |                | -148           |
| <b>108 THREAT SIMULATOR DEVELOPMENT</b>  | <b>21,067</b>  | <b>21,067</b>  |
| <b>109 MAJOR T&amp;E INVESTMENT</b>  | <b>44,714</b>  | <b>171,314</b> |
| Program increase - Air Force unfunded priority to enhance hypersonic testing capacity and capability |                | 126,600        |
| <b>110 RAND PROJECT AIR FORCE</b>  | <b>37,921</b>  | <b>37,921</b>  |
| <b>111 SMALL BUSINESS INNOVATION RESEARCH</b>  | <b>86</b>      | <b>0</b>       |
| Programming error  |                | -86            |
| <b>112 INITIAL OPERATIONAL TEST AND EVALUATION</b>   | <b>13,926</b>  | <b>13,926</b>  |
| <b>113 TEST AND EVALUATION SUPPORT</b>   | <b>826,854</b> | <b>841,854</b> |
| Program increase - Air Force unfunded priority to enhance hypersonic testing capacity and capability |                | 15,000         |
| <b>ACQUISITION WORKFORCE - GLOBAL VIGILANCE AND COMBAT</b>   |                |                |
| <b>115 SYSTEMS</b>   | <b>255,995</b> | <b>283,995</b> |
| Air Force-requested adjustment for civ pay   |                | 8,654          |
| Air Force-requested transfer from line 281 for civ pay   |                | 19,346         |
| <b>116 ACQUISITION WORKFORCE - GLOBAL REACH</b>  | <b>457,589</b> | <b>457,589</b> |
| <b>ACQUISITION WORKFORCE - CYBER, NETWORK, AND</b>   |                |                |
| <b>117 BUSINESS SYSTEMS</b>  | <b>459,223</b> | <b>479,423</b> |
| Air Force-requested adjustment for civ pay   |                | 9,000          |
| Air Force-requested adjustment for civ pay   |                | 5,200          |
| Program increase - business enterprise systems product innovation                                    |                | 6,000          |
| <b>118 ACQUISITION WORKFORCE - GLOBAL BATTLE MANAGEMENT</b>  | <b>3,696</b>   | <b>3,696</b>   |

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| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>119 ACQUISITION WORKFORCE - CAPABILITY INTEGRATION</b>  | <b>229,610</b> | <b>253,610</b> |
| Air Force-requested adjustment for civ pay   |                | 15,000         |
| Air Force-requested transfer from line 281 for civ pay   |                | 9,000          |
| <b>ACQUISITION WORKFORCE - ADVANCED PROGRAM</b>  |                |                |
| <b>120 TECHNOLOGY</b>  | <b>92,648</b>  | <b>67,361</b>  |
| Air Force-requested adjustment for civ pay   |                | -25,287        |
| <b>121 ACQUISITION WORKFORCE - NUCLEAR SYSTEMS</b>   | <b>241,226</b> | <b>236,382</b> |
| Air Force-requested adjustment for civ pay   |                | -4,844         |
| <b>122 MANAGEMENT HQ - R&amp;D</b>   | <b>4,347</b>   | <b>5,624</b>   |
| Air Force-requested adjustment for civ pay   |                | 1,277          |
| <b>FACILITIES RESTORATION AND MODERNIZATION - T&amp;E</b>  |                |                |
| <b>123 SUPPORT</b>   | <b>77,820</b>  | <b>133,420</b> |
| Program increase - Air Force unfunded priority to enhance hypersonic testing capacity and capability |                | 55,600         |
| <b>124 FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT</b>                                      | <b>31,561</b>  | <b>31,561</b>  |
| <b>125 REQUIREMENTS ANALYSIS AND MATURATION</b>  | <b>101,844</b> | <b>109,844</b> |
| Program increase - digital modernization   |                | 8,000          |
| <b>126 MANAGEMENT HQ - T&amp;E</b>   | <b>6,285</b>   | <b>6,285</b>   |
| <b>127 SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES</b>                                       | <b>556</b>     | <b>556</b>     |
| <b>128 C4 - STRATCOM</b>   | <b>15,559</b>  | <b>30,559</b>  |
| Program increase - NC3 rapid engineering architecture collaboration hub                              |                | 10,000         |
| Program increase - NC3 network sensor demonstration  |                | 5,000          |
| <b>129 ENTERPRISE INFORMATION SERVICES</b>   | <b>83,231</b>  | <b>73,100</b>  |
| Platform one previously funded   |                | -10,131        |
| <b>130 ACQUISITION AND MANAGEMENT SUPPORT</b>  | <b>24,306</b>  | <b>49,906</b>  |
| Program increase - document generation platform  |                | 15,000         |
| Program increase - digital first ecosystem development   |                | 10,600         |
| <b>131 GENERAL SKILL TRAINING</b>  | <b>871</b>     | <b>871</b>     |
| <b>134 INTERNATIONAL ACTIVITIES</b>  | <b>2,593</b>   | <b>2,593</b>   |
| <b>136 SUFT</b>  | <b>18,037</b>  | <b>17,267</b>  |
| T-6 ARP early to need  |                | -770           |
| <b>138 AGILE COMBAT SUPPORT</b>  | <b>8,199</b>   | <b>8,199</b>   |
| <b>139 DEPLOYMENT &amp; DISTRIBUTION ENTERPRISE</b>  | <b>156</b>     | <b>156</b>     |

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| <b>R-1</b>   | <b>Budget Request</b> | <b>Final Bill</b> |
|--|-----------------------|-------------------|
| <b>140 F-35 C2D2</b>   | <b>1,014,708</b>      | <b>1,032,528</b>  |
| Program increase - F135 engine enhancement   |                       | 37,500            |
| Program decrease   |                       | -19,680           |
| <b>141 AF-IPPS</b>   | <b>37,901</b>         | <b>37,901</b>     |
| <b>142 ANTI-TAMPER TECHNOLOGY EA</b>   | <b>50,066</b>         | <b>50,066</b>     |
| <b>143 FOREIGN MATERIEL ACQUISITION AND EXPLOITATION</b>                             | <b>80,338</b>         | <b>80,338</b>     |
| <b>144 HC/MC-130 RECAP</b>   | <b>47,994</b>         | <b>52,994</b>     |
| Program increase - next generation multiband space array for network enabled weapons |                       | 5,000             |
| <b>145 NC3 INTEGRATION</b>   | <b>23,559</b>         | <b>23,559</b>     |
| <b>147 B-52 SQUADRONS</b>  | <b>770,313</b>        | <b>723,107</b>    |
| CERP underexecution  |                       | -16,335           |
| VLF/LF underexecution  |                       | -5,000            |
| AEHF delays  |                       | -3,325            |
| Quad Crew delays and growth  |                       | -10,846           |
| Radar modernization program overestimation   |                       | -21,700           |
| Program increase - global strike innovation hub                                      |                       | 10,000            |
| <b>148 ALCM</b>  | <b>571</b>            | <b>571</b>        |
| <b>149 B-1B SQUADRONS</b>  | <b>13,144</b>         | <b>20,044</b>     |
| Radio crypto delays  |                       | -3,100            |
| Program increase - hypersonic integration  |                       | 10,000            |
| <b>150 B-2 SQUADRONS</b>   | <b>111,990</b>        | <b>101,790</b>    |
| Adaptable communication suite carryover  |                       | -10,200           |
| BDM excess to need   |                       | -5,000            |
| Program increase - B-2 modernization   |                       | 5,000             |
| <b>151 MINUTEMAN SQUADRONS</b>   | <b>69,650</b>         | <b>73,650</b>     |
| Program increase - multi-domain command and control capabilities                     |                       | 4,000             |
| <b>152 WORLDWIDE JOINT STRATEGIC COMMUNICATIONS</b>                                  | <b>22,725</b>         | <b>22,725</b>     |
| <b>153 ISPAN</b>   | <b>3,180</b>          | <b>32,253</b>     |
| Transfer from line 278   |                       | 29,073            |
| <b>154 ICBM REENTRY VEHICLES</b>   | <b>118,616</b>        | <b>115,616</b>    |
| Excess to need   |                       | -3,000            |
| <b>156 UH-1N REPLACEMENT</b>   | <b>17,922</b>         | <b>15,922</b>     |
| PE/PI ahead of need  |                       | -2,000            |
| <b>157 RSOC MODERNIZATION</b>  | <b>451</b>            | <b>451</b>        |
| <b>158 NORTH WARNING SYSTEM (NWS)</b>  | <b>76,910</b>         | <b>240,159</b>    |
| Air Force-requested transfer from OP,AF line 55                                      |                       | 163,249           |

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| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>159 OVER-THE-HORIZON BACKSCATTER RADAR</b>   | <b>12,210</b>  | <b>12,210</b>  |
| <b>160 VEHICLES AND SUPPORT EQUIPMENT - GENERAL</b>                                     | <b>14,483</b>  | <b>14,483</b>  |
| <b>161 MQ-9</b>   | <b>98,499</b>  | <b>145,499</b> |
| Program increase - MQ-9 modernization   |                | 31,500         |
| Program increase - disaggregated AMTI development                                       |                | 20,000         |
| LoH carryover   |                | -2,000         |
| MQ-9 upgrade carryover  |                | -1,500         |
| Talon AZRAEL carryover  |                | -1,000         |
| <b>162 JOINT COUNTER RCIED ELECTRONIC WARFARE</b>                                       | <b>1,747</b>   | <b>1,747</b>   |
| <b>163 MULTI-PLATFORM EW EQUIPMENT</b>  | <b>23,195</b>  | <b>45,895</b>  |
| Program increase - Angry Kitten combat pod  |                | 15,700         |
| Program increase - cognitive AI for EW prototyping                                      |                | 7,000          |
| <b>164 A-10 SQUADRONS</b>   | <b>72,393</b>  | <b>64,593</b>  |
| CICS award delays   |                | -7,800         |
| <b>165 F-16 SQUADRONS</b>   | <b>244,696</b> | <b>247,536</b> |
| Program increase - lithium battery replacement for F-16 hydrazine emergency power units |                | 5,000          |
| IVEWS early to need   |                | -2,160         |
| <b>166 F-15 SQUADRONS</b>   | <b>213,272</b> | <b>200,139</b> |
| OFP CD&I carryover  |                | -11,290        |
| Digital color display delays  |                | -1,843         |
| <b>167 MANNED DESTRUCTIVE SUPPRESSION</b>   | <b>16,695</b>  | <b>16,695</b>  |
| <b>168 F-22 SQUADRONS</b>   | <b>559,709</b> | <b>559,709</b> |
| <b>169 F-35 SQUADRONS</b>   | <b>70,730</b>  | <b>65,730</b>  |
| Program decrease  |                | -5,000         |
| <b>170 F-15EX</b>   | <b>83,830</b>  | <b>83,830</b>  |
| <b>171 TACTICAL AIM MISSILES</b>  | <b>34,536</b>  | <b>34,536</b>  |
| <b>172 AMRAAM</b>   | <b>52,704</b>  | <b>52,704</b>  |
| <b>173 COMBAT RESCUE - PARARESCUE</b>   | <b>863</b>     | <b>863</b>     |
| <b>174 TENCAP</b>   | <b>23,309</b>  | <b>23,309</b>  |
| <b>175 PRECISION ATTACK SYSTEMS PROCUREMENT</b>   | <b>12,722</b>  | <b>12,722</b>  |
| <b>176 COMPASS CALL</b>   | <b>49,054</b>  | <b>50,000</b>  |
| Program increase - EC-37B training and simulation                                       |                | 946            |

94L

| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>177 ENGINE CIP</b>                                     | <b>116,087</b> | <b>136,087</b> |
| Program increase - BPAC 671012                            |                | 10,000         |
| Program increase - F135                                   |                | 10,000         |
| <b>178 JASSM</b>  | <b>117,198</b> | <b>117,198</b> |
| <b>179 SMALL DIAMETER BOMB</b>                            | <b>27,713</b>  | <b>32,713</b>  |
| Program increase - precise navigation                     |                | 5,000          |
| <b>180 AIR AND SPACE OPERATIONS CENTER</b>                | <b>0</b>       | <b>79,549</b>  |
| Transfer from line 279                                    |                | 79,549         |
| <b>181 CONTROL AND REPORTING CENTER</b>                   | <b>6,615</b>   | <b>6,615</b>   |
| <b>182 AWACS</b>  | <b>239,658</b> | <b>11,882</b>  |
| Transfer to line 182A for AWACS replacement               |                | -226,776       |
| CNU carryover   |                | -1,000         |
| <b>182A AWACS REPLACEMENT</b>                             | <b>0</b>       | <b>426,776</b> |
| Transfer from line 182                                    |                | 226,776        |
| Program increase - E-7 acceleration                       |                | 200,000        |
| <b>183 AFSPECWAR - TACP</b>                               | <b>5,982</b>   | <b>5,982</b>   |
| <b>185 COMBAT AIR INTELLIGENCE SYSTEM</b>                 | <b>23,504</b>  | <b>29,704</b>  |
| Program increase - geospatial infrastructure for ISR wing |                | 6,200          |
| <b>186 THEATER BATTLE MANAGEMENT C4I</b>                  | <b>5,851</b>   | <b>5,851</b>   |
| <b>187 EWIR</b>   | <b>15,990</b>  | <b>15,990</b>  |
| <b>188 TACP-MOD</b>                                       | <b>10,315</b>  | <b>10,315</b>  |
| <b>189 DCAPEs</b>   | <b>8,049</b>   | <b>8,049</b>   |
| <b>190 AIR FORCE CALIBRATION PROGRAMS</b>                 | <b>2,123</b>   | <b>2,123</b>   |
| <b>192 NATIONAL TECHNICAL NUCLEAR FORENSICS</b>           | <b>2,039</b>   | <b>2,039</b>   |
| <b>193 SEEK EAGLE</b>                                     | <b>32,853</b>  | <b>32,853</b>  |
| <b>194 USAF MODELING AND SIMULATION</b>                   | <b>19,341</b>  | <b>19,341</b>  |
| <b>195 WARGAMING AND SIMULATION CENTERS</b>               | <b>7,004</b>   | <b>7,004</b>   |
| <b>197 DISTRIBUTED TRAINING AND EXERCISES</b>             | <b>4,628</b>   | <b>4,628</b>   |
| <b>198 MISSION PLANNING SYSTEMS</b>                       | <b>99,214</b>  | <b>99,214</b>  |
| <b>199 TACTICAL DECEPTION</b>                             | <b>17,074</b>  | <b>34,574</b>  |
| Program increase - radar modeling                         |                | 7,500          |
| Program increase - asset signature modification           |                | 10,000         |

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| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>200 OPERATIONAL HQ - CYBER</b>                                     | <b>2,347</b>   | <b>14,347</b>  |
| Program increase - command and control of the information environment |                | 12,000         |
| <b>201 DISTRIBUTED CYBER WARFARE OPERATIONS</b>                       | <b>76,592</b>  | <b>76,592</b>  |
| <b>202 AF DEFENSIVE CYBERSPACE OPERATIONS</b>                         | <b>8,367</b>   | <b>17,508</b>  |
| Programming error   |                | -8,367         |
| Transfer from line 282  |                | 9,508          |
| Program increase - autonomous satellite cybersecurity                 |                | 8,000          |
| <b>203 JOINT CYBER COMMAND AND CONTROL</b>                            | <b>80,740</b>  | <b>80,740</b>  |
| <b>204 UNIFIED PLATFORM</b>   | <b>107,548</b> | <b>107,548</b> |
| <b>208 INTEL DATA APPLICATIONS</b>                                    | <b>1,065</b>   | <b>1,065</b>   |
| <b>209 GEOBASE</b>  | <b>2,928</b>   | <b>2,928</b>   |
| <b>210 NUCLEAR PLANNING AND EXECUTION SYSTEM</b>                      | <b>0</b>       | <b>16,200</b>  |
| Transfer from line 278  |                | 16,200         |
| <b>211 CYBER SECURITY INTELLIGENCE SUPPORT</b>                        | <b>8,972</b>   | <b>8,972</b>   |
| <b>218 NON-TRADITIONAL ISR</b>  | <b>3,069</b>   | <b>3,069</b>   |
| <b>219 E-4B NAOC</b>  | <b>25,701</b>  | <b>25,701</b>  |
| <b>220 MEECN</b>  | <b>41,171</b>  | <b>35,961</b>  |
| VLF/LF carryover  |                | -5,210         |
| <b>221 ISSP</b>   | <b>70,582</b>  | <b>70,582</b>  |
| <b>223 ALL DOMAIN COMMON PLATFORM</b>                                 | <b>0</b>       | <b>47,053</b>  |
| Transfer from line 283  |                | 47,053         |
| <b>224 JOINT MILITARY DECEPTION INITIATIVE</b>                        | <b>2,588</b>   | <b>2,588</b>   |
| <b>226 AIRBORNE SIGINT ENTERPRISE</b>                                 | <b>108,528</b> | <b>109,528</b> |
| Program increase - special projects                                   |                | 7,000          |
| Common development carryover  |                | -3,000         |
| Compass Bright carryover  |                | -3,000         |
| <b>227 COMMERCIAL ECONOMIC ANALYSIS</b>                               | <b>4,542</b>   | <b>4,542</b>   |
| <b>230 C2 AIR OPERATIONS SUITE - C2 INFO SERVICES</b>                 | <b>8,097</b>   | <b>7,708</b>   |
| C2IMERA support early to need   |                | -389           |
| <b>231 CCMD INTELLIGENCE INFORMATION TECHNOLOGY</b>                   | <b>1,751</b>   | <b>1,751</b>   |
| <b>232 ISR MODERNIZATION &amp; AUTOMATION DEVELOPMENT</b>             | <b>13,138</b>  | <b>13,138</b>  |

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| R-1  | Budget Request | Final Bill |
|--|----------------|------------|
| 233 GATM   | 4,895          | 4,895      |
| 234 CYBER SECURITY INITIATIVE                                  | 91             | 91         |
| 235 WEATHER SERVICE  | 11,716         | 56,563     |
| Program increase - commercial weather data pilot               |                | 10,000     |
| Program increase - atmospheric rivers research                 |                | 5,000      |
| 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      |
| 236 ATCALs   | 8,511          | 8,511      |
| 237 AERIAL TARGETS   | 1,365          | 1,365      |
| 240 SECURITY AND INVESTIGATIVE ACTIVITIES                      | 223            | 223        |
| 241 DEFENSE JOINT COUNTERINTELLIGENCE                          | 8,328          | 8,328      |
| 243 INTEGRATED BROADCAST SERVICE (IBS)                         | 22,123         | 14,123     |
| Program decrease   |                | -8,000     |
| 244 U-2  | 20,170         | 20,170     |
| 245 AIRBORNE RECONNAISSANCE SYSTEMS                            | 55,048         | 70,048     |
| Program increase - wide area motion imagery                    |                | 5,000      |
| Program increase - sensor open systems architecture            |                | 10,000     |
| 246 MANNED RECONNAISSANCE SYSTEMS                              | 14,590         | 14,590     |
| 247 DCGS   | 26,901         | 26,901     |
| 248 RQ-4   | 68,801         | 68,801     |
| 249 NETWORK-CENTRIC COLLABORATIVE TARGETING                    | 17,564         | 17,564     |
| 250 NATO AGS   | 826            | 826        |
| 251 SUPPORT TO DCGS ENTERPRISE                                 | 28,774         | 28,774     |
| INTERNATIONAL INTELLIGENCE TECHNOLOGY AND                      |                |            |
| 252 ARCHITECTURES  | 15,036         | 25,036     |
| Program increase - low-power HF multi-function comms/PNT       |                | 10,000     |
| 253 RAPID CYBER ACQUISITION                                    | 3,739          | 3,739      |
| 254 PERSONNEL RECOVERY C2                                      | 2,702          | 2,702      |
| 255 INTELLIGENCE MISSION DATA                                  | 6,332          | 6,332      |
| 256 C-130 SQUADRONS  | 407            | 407        |

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| R-1  | Budget Request    | Final Bill        |
|--|-------------------|-------------------|
| <b>257 C-5 SQUADRONS</b>   | <b>6,100</b>      | <b>3,100</b>      |
| Integration contract delays  |                   | -3,000            |
| <b>258 C-17 SQUADRONS</b>  | <b>25,387</b>     | <b>25,387</b>     |
| BLOS underexecution and program growth   |                   | -5,000            |
| Program increase - C-17 aircraft protective systems development                    |                   | 5,000             |
| <b>259 C-130J</b>  | <b>11,060</b>     | <b>10,060</b>     |
| MILSATCOM delays   |                   | -1,000            |
| <b>260 LAIRCM</b>  | <b>2,909</b>      | <b>2,909</b>      |
| <b>261 KC-135</b>  | <b>12,955</b>     | <b>12,955</b>     |
| <b>262 CV-22</b>   | <b>10,121</b>     | <b>10,121</b>     |
| <b>263 SPECIAL TACTICS/COMBAT CONTROL</b>  | <b>6,297</b>      | <b>6,297</b>      |
| <b>264 MAINTENANCE, REPAIR AND OVERHAUL SYSTEM</b>                                 | <b>19,892</b>     | <b>19,892</b>     |
| <b>265 LOGISTICS INFORMATION TECHNOLOGY (LOGIT)</b>                                | <b>5,271</b>      | <b>17,271</b>     |
| Program increase - tagless IUID  |                   | 2,000             |
| Program increase - modernized, integrated, secured digital supply chain initiative |                   | 10,000            |
| <b>267 OTHER FLIGHT TRAINING</b>   | <b>2,214</b>      | <b>2,214</b>      |
| <b>269 JOINT PERSONNEL RECOVERY AGENCY</b>   | <b>2,164</b>      | <b>2,164</b>      |
| <b>270 CIVILIAN COMPENSATION PROGRAM</b>   | <b>4,098</b>      | <b>4,098</b>      |
| <b>271 PERSONNEL ADMINISTRATION</b>  | <b>3,191</b>      | <b>3,191</b>      |
| <b>272 AIR FORCE STUDIES AND ANALYSIS AGENCY</b>                                   | <b>899</b>        | <b>899</b>        |
| <b>FINANCIAL MANAGEMENT INFORMATION SYSTEMS</b>                                    |                   |                   |
| <b>273 DEVELOPMENT</b>   | <b>5,421</b>      | <b>5,421</b>      |
| <b>274 DEFENSE ENTERPRISE ACNTNG AND MGT SYS (DEAMS)</b>                           | <b>0</b>          | <b>48,199</b>     |
| Transfer from line 280   |                   | 48,199            |
| <b>276 SERVICE SUPPORT TO SPACECOM</b>   | <b>13,766</b>     | <b>13,766</b>     |
| <b>999 CLASSIFIED PROGRAMS</b>   | <b>16,995,523</b> | <b>17,570,937</b> |
| Classified adjustment  |                   | 575,414           |
| <b>278 STRATEGIC MISSION PLANNING AND EXECUTION SYSTEM</b>                         | <b>100,167</b>    | <b>0</b>          |
| 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           |

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| R-1   | Budget Request    | Final Bill        |
|---|-------------------|-------------------|
| <b>279 AIR &amp; SPACE OPERATIONS CENTER (AOC)</b>                      | <b>177,827</b>    | <b>0</b>          |
| Transfer to OM,AF   |                   | -79,136           |
| Transfer to OP,AF line 44   |                   | -19,142           |
| Transfer to line 180  |                   | -79,549           |
| <b>280 DEAMS - SOFTWARE PILOT PROGRAM (0608920F)</b>                    | <b>136,202</b>    | <b>0</b>          |
| Transfer to OP,AF line 41   |                   | -3,156            |
| Transfer to OM,AF   |                   | -84,841           |
| Transfer to line 274  |                   | -48,199           |
| Excess to need  |                   | -6                |
| <b>281 DISTRIBUTED CYBER WARFARE OPERATIONS</b>                         | <b>37,346</b>     | <b>0</b>          |
| Air Force-requested adjustment for civ pay                              |                   | -37,346           |
| <b>AIR FORCE DEFENSIVE CYBER SYSTEMS (AFDCS) - SOFTWARE</b>             |                   |                   |
| <b>282 PILOT PROGRAM (0308605F)</b>                                     | <b>240,926</b>    | <b>0</b>          |
| 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            |
| <b>ALL DOMAIN COMMON PLATFORM (ADCP) - SOFTWARE PILOT</b>               |                   |                   |
| <b>283 PROGRAM (0308606F)</b>   | <b>190,112</b>    | <b>0</b>          |
| 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           |
| <b>AIR FORCE WEATHER PROGRAMS - SOFTWARE PILOT</b>                      |                   |                   |
| <b>284 PROGRAM (0308607F)</b>   | <b>58,063</b>     | <b>0</b>          |
| Excess to need  |                   | -28,081           |
| Transfer to OM,AF   |                   | -16,135           |
| Transfer to line 235  |                   | -13,847           |
| <b>ELECTRONIC WARFARE INTEGRATED REPROGRAMMING</b>                      |                   |                   |
| <b>285 (EWIR) - SOFTWARE PILOT PROGRAM (0308608F)</b>                   | <b>5,794</b>      | <b>0</b>          |
| Transfer to OM,AF   |                   | -5,598            |
| Excess to need  |                   | -196              |
| <b>TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION,<br/>AIR FORCE</b> | <b>43,889,183</b> | <b>44,946,927</b> |

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#### TRANSFORMATIONAL CAPABILITIES

The agreement transfers the Transformational Technology Development activities in the Advanced Technology Development budget activity to the Future AF Integrated Technology Demos line, program element 0603032F, to provide a more complete picture of the Vanguard program. The Secretary of the Air Force is directed to provide detailed justifications of critical tasks under the Vanguard program with the submission of the fiscal year 2024 President's budget request.

#### PROVIDING BUDGETARY FIDELITY IN THE TECH TRANSITION PROGRAM

The Secretary of the Air Force is directed to retain the program element structure established in the table titled "explanation of project level adjustments" included under this account heading for Tech Transition Program; AFWERX Prime; Nuclear Command, Control and Communications (NC3); and Rapid Defense Experimentation Reserve in the fiscal year 2024 President's budget request.

#### ADVANCED ENGINE DEVELOPMENT

The Secretary of the Air Force is directed to retain separate program elements for the Adaptive Engine Transition Program and Next Generation Adaptive Propulsion programs in the fiscal year 2024 President's budget request.

#### AFWERX

The agreement 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.

#### DEPARTMENT OF DEFENSE PARTNERSHIP INTERMEDIARY

The agreement 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.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE

The agreement provides \$16,631,377,000 for Research, Development, Test and Evaluation, Space Force, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

Insert 97A-F

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

| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>1A DEFENSE RESEARCH SCIENCES</b>  | <b>0</b>       | <b>25,000</b>  |
| Program increase - basic research  |                | 25,000         |
| <b>1B UNIVERSITY RESEARCH INITIATIVES</b>  | <b>0</b>       | <b>30,000</b>  |
| Program increase - defense university research instrumentation program               |                | 30,000         |
| <b>2 SPACE TECHNOLOGY</b>  | <b>243,737</b> | <b>360,601</b> |
| DAF requested transfer from RDTE,AF line 13  |                | 8,355          |
| Overestimation of civilian personnel acquisition workforce costs                     |                | -17,791        |
| Radiation hard electronics inadequate justification                                  |                | -4,400         |
| Resilient PNT inadequate justification   |                | -10,200        |
| Program increase - aerospace films for increased operational range of reconnaissance |                | 6,000          |
| Program increase - 3D graphene lithium-sulfur batteries                              |                | 5,000          |
| Program increase - L-Band active phased array demonstration                          |                | 3,000          |
| Program increase - thin-film photovoltaic energy                                     |                | 3,000          |
| Program increase - university consortia for space technology                         |                | 20,000         |
| Program increase - next generation multiband space array antenna                     |                | 10,000         |
| Program increase - advanced analog microelectronics                                  |                | 3,000          |
| Program increase - hybrid space architecture   |                | 5,000          |
| Program increase - spectrum superiority lab  |                | 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 constellation   |                | 5,000          |
| Program increase - lunar surface based space domain awareness                        |                | 4,000          |
| Program increase - moving target engagement solutions                                |                | 6,000          |
| 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         |
| <b>3 SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT</b>                       | <b>460,820</b> | <b>447,472</b> |
| Program reduction - follow-on tranches   |                | -26,000        |
| Program increase - defense of low-earth orbit satellites                             |                | 7,652          |
| Program increase - defense-in-depth for spacecraft cybersecurity                     |                | 5,000          |

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| R-1   | Budget Request | Final Bill       |
|---|----------------|------------------|
| <b>4 SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO</b>   | <b>103,395</b> | <b>167,568</b>   |
| DAF requested technical realignment from line 42 for Maui Space Surveillance System           |                | 2,773            |
| Program increase - commercial space access improvements                                       |                | 5,000            |
| Program increase - additive manufacturing of solid rocket propellant                          |                | 3,000            |
| Program increase - tridyne multi-mode propulsion  |                | 3,000            |
| Project increase - space research hub   |                | 4,000            |
| Program increase - hall multimode propulsion technology                                       |                | 3,000            |
| Program increase - upper-stage technology   |                | 23,400           |
| Program increase - cislunar flight demonstration  |                | 20,000           |
| <b>5 SPACE FORCE WEATHER SERVICES RESEARCH</b>  | <b>816</b>     | <b>816</b>       |
| <b>6 NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)</b>                           | <b>382,594</b> | <b>382,594</b>   |
| <b>7 SPACE WARFIGHTING ANALYSIS</b>   | <b>44,791</b>  | <b>44,791</b>    |
| <b>8 EO/IR WEATHER SYSTEMS</b>  | <b>96,519</b>  | <b>86,519</b>    |
| Phase III product development excess to need  |                | -10,000          |
| <b>10 SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING</b>  | <b>986,822</b> | <b>1,038,322</b> |
| Program increase - tranche 1 space resiliency payloads  |                | 22,500           |
| Program increase - space architecture experimental testbed                                    |                | 4,000            |
| Program increase - laser communication downlink systems                                       |                | 25,000           |
| <b>12 SPACE SITUATION AWARENESS SYSTEMS</b>   | <b>230,621</b> | <b>221,421</b>   |
| Reduce growth   |                | -9,200           |
| <b>13 SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)</b>  | <b>106,252</b> | <b>116,477</b>   |
| Inadequate justification - digital engineering interconnected cloud-based ecosystem           |                | -4,775           |
| Program increase - space-to-space communications  |                | 10,000           |
| Program increase - rapid prototyping and space qualification of emerging CubeSat technologies |                | 5,000            |
| <b>14 SPACE CONTROL TECHNOLOGY</b>  | <b>57,953</b>  | <b>50,453</b>    |
| Inadequate justification  |                | -9,500           |
| Program increase - high-thrust gridded ion engine   |                | 2,000            |
| <b>16 SPACE SECURITY AND DEFENSE PROGRAM</b>  | <b>59,169</b>  | <b>69,169</b>    |
| Program increase - SSDP support   |                | 10,000           |
| <b>17 PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)</b>  | <b>121,069</b> | <b>111,151</b>   |
| Prototype development excess to need  |                | -9,918           |
| <b>18 PROTECTED TACTICAL SERVICE (PTS)</b>  | <b>294,828</b> | <b>252,828</b>   |
| Unjustified increase  |                | -20,200          |
| Unjustified request-mission support within prototype development                              |                | -11,800          |
| PTS Next ahead of need  |                | -10,000          |

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| R-1  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| <b>19 EVOLVED STRATEGIC SATCOM (ESS)</b>   | <b>565,597</b>   | <b>520,597</b>   |
| Space segment prototyping costs excess to need   |                  | -45,000          |
| <b>20 SPACE RAPID CAPABILITIES OFFICE</b>  | <b>45,427</b>    | <b>54,427</b>    |
| Program increase - hyper-converged edge computing  |                  | 9,000            |
| <b>20A ON-BOARD RESILIENCY</b>   | <b>0</b>         | <b>50,000</b>    |
| Program increase   |                  | 50,000           |
| <b>21 GPS III FOLLOW-ON (GPS IIIF)</b>   | <b>325,927</b>   | <b>293,727</b>   |
| Excess to need   |                  | -25,000          |
| Unjustified increase - advisory and assistance services  |                  | -7,200           |
| <b>22 SPACE SITUATION AWARENESS OPERATIONS</b>   | <b>49,628</b>    | <b>57,628</b>    |
| Program increase - artificial intelligence and autonomy for data analytics and sensor systems      |                  | 8,000            |
| <b>23 COUNTERSPACE SYSTEMS</b>   | <b>21,848</b>    | <b>31,848</b>    |
| Program increase - machine learning techniques for RF signal monitoring and interference detection |                  | 10,000           |
| <b>24 WEATHER SYSTEM FOLLOW-ON</b>   | <b>48,870</b>    | <b>48,870</b>    |
| <b>25 SPACE SITUATION AWARENESS SYSTEMS</b>  | <b>105,140</b>   | <b>97,240</b>    |
| Management services excess to need   |                  | -7,900           |
| <b>26 ADVANCED EHF MILSATCOM (SPACE)</b>   | <b>11,701</b>    | <b>11,701</b>    |
| <b>27 POLAR MILSATCOM (SPACE)</b>  | <b>67,465</b>    | <b>67,465</b>    |
| <b>28 WIDEBAND GLOBAL SATCOM (SPACE)</b>   | <b>48,438</b>    | <b>48,438</b>    |
| <b>29 NEXT-GEN OPIR -- GROUND</b>  | <b>0</b>         | <b>582,529</b>   |
| DAF requested technical realignment from line 30 for Next-Gen OPIR Ground                          |                  | 612,529          |
| Mission data processing excess to need   |                  | -30,000          |
| <b>30 NEXT GENERATION OPIR</b>   | <b>3,479,459</b> | <b>226,601</b>   |
| DAF requested technical realignment to line 31 for Next-Gen OPIR - GEO                             |                  | -1,713,933       |
| DAF requested technical realignment to line 32 for Next-Gen OPIR - Polar                           |                  | -899,196         |
| DAF requested technical realignment to line 29 for Next-Gen OPIR Ground                            |                  | -612,529         |
| Space modernization initiative inadequate justification  |                  | -27,200          |
| <b>31 NEXT-GEN OPIR -- GEO</b>   | <b>0</b>         | <b>1,694,933</b> |
| DAF requested technical realignment from line 30 for Next-Gen OPIR - GEO                           |                  | 1,713,933        |
| Product development excess to need   |                  | -19,000          |

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| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>32 NEXT-GEN OPIR -- POLAR</b>   | <b>0</b>       | <b>849,196</b> |
| DAF requested technical realignment from line 30 for Next-Gen OPIR - Polar   |                | 899,196        |
| Program increase - schedule risk reduction   |                | 25,000         |
| Program increase - onboard resilience  |                | 15,000         |
| Expenditure delays relating to undefinitized contract action   |                | -90,000        |
| <b>33 COMMERCIAL SATCOM (COMSATCOM) INTEGRATION</b>  | <b>23,513</b>  | <b>23,513</b>  |
| <b>34 RESILIENT MISSILE WARNING MISSILE TRACKING - LOW EARTH ORBIT (LEO)</b>   | <b>499,840</b> | <b>763,840</b> |
| DAF requested technical realignment from line 36   |                | 14,000         |
| Program increase - INDOPACOM missile tracking demonstration expansion  |                | 250,000        |
| <b>35 RESILIENT MISSILE WARNING MISSILE TRACKING - MEDIUM EARTH ORBIT (MEO)</b>  | <b>139,131</b> | <b>408,527</b> |
| DAF requested technical realignment from line 36   |                | 160,596        |
| MEO ground inadequate justification  |                | -21,200        |
| Program increase - epoch 1 acceleration and vendor risk reduction  |                | 130,000        |
| <b>36 RESILIENT MISSILE WARNING MISSILE TRACKING - INTEGRATED GROUND SEGMENT</b>   | <b>390,596</b> | <b>0</b>       |
| DAF requested transfer to Proc,SF line 20  |                | -216,000       |
| DAF requested technical realignment to line 34   |                | -14,000        |
| DAF requested technical realignment to line 35   |                | -160,596       |
| <b>37 NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE) - EMD</b>   | <b>124,103</b> | <b>234,103</b> |
| Program increase - space mobility and logistics  |                | 30,000         |
| Program increase - NSSL payload processing facility  |                | 80,000         |
| <b>39 SPACE TEST AND TRAINING RANGE DEVELOPMENT</b>  | <b>21,453</b>  | <b>107,153</b> |
| Program increase for operational test and training infrastructure - cyber Test/Evaluation and Aggressor Force Capabilities |                | 50,200         |
| Program increase for operational test and training infrastructure - ground-based radar in support of NSTTC                 |                | 35,500         |
| <b>40 ACQ WORKFORCE - SPACE &amp; MISSILE SYSTEMS</b>  | <b>253,716</b> | <b>253,716</b> |
| <b>41 SPACE &amp; MISSILE SYSTEMS CENTER - MHA</b>   | <b>13,962</b>  | <b>13,962</b>  |
| <b>42 SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO</b>   | <b>2,773</b>   | <b>0</b>       |
| DAF requested technical realignment to line 4 for Maui Space Surveillance System   |                | -2,773         |
| <b>43 MAJOR T&amp;E INVESTMENT - SPACE</b>   | <b>89,751</b>  | <b>89,751</b>  |
| <b>44 ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)</b>  | <b>17,922</b>  | <b>34,922</b>  |
| Program increase   |                | 2,000          |
| Program increase - state launched range services and capabilities  |                | 15,000         |

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| R-1 |   | Budget Request | Final Bill                   |
|-----|---|----------------|------------------------------|
| 45  | TACTICALLY RESPONSIVE LAUNCH<br>Program increase  | 0              | 50,000<br>50,000             |
| 46  | SPACE TEST PROGRAM (STP)  | 25,366         | 25,366                       |
| 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<br>Service life extension delays  | 165,892        | 110,392<br>-55,500           |
| 52  | SATELLITE CONTROL NETWORK (SPACE)   | 42,199         | 42,199                       |
| 53  | NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND<br>CONTROL SEGMENTS)   | 2,062          | 2,062                        |
| 54  | SPACE AND MISSILE TEST AND EVALUATION CENTER  | 4,157          | 4,157                        |
| 55  | SPACE INNOVATION, INTEGRATION AND RAPID<br>TECHNOLOGY DEVELOPMENT<br>Program increase for operational test and training<br>infrastructure - fully fund standard space training for<br>current and emerging missions | 38,103         | 45,303<br><br>7,200          |
| 56  | SPACELIFT RANGE SYSTEM (SPACE)  | 11,658         | 11,658                       |
| 57  | GPS III SPACE SEGMENT   | 1,626          | 1,626                        |
| 58  | SPACE SUPERIORITY ISR   | 29,128         | 29,128                       |
| 59  | NATIONAL SPACE DEFENSE CENTER   | 2,856          | 2,856                        |
| 60  | BALLISTIC MISSILE DEFENSE RADARS<br>Program increase - PARCS radar digitization   | 18,615         | 21,615<br>3,000              |
| 61  | NCMC - TW/AA SYSTEM   | 7,274          | 7,274                        |
| 62  | NUDET DETECTION SYSTEM (SPACE)<br>ICADS 7 development delay   | 80,429         | 60,429<br>-20,000            |
| 63  | SPACE SITUATION AWARENESS OPERATIONS<br>Program increase - unified data library   | 80,903         | 90,903<br>10,000             |
| 64  | GLOBAL POSITIONING SYSTEM III - OPERATIONAL<br>CONTROL SEGMENT<br>OCX 3F advisory and assistance services duplication<br>Unjustified growth-OCX Blk 1 and 2 contractor support                                      | 359,720        | 277,052<br>-8,400<br>-74,268 |
| 68  | ENTERPRISE GROUND SERVICES  | 123,601        | 123,601                      |

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| <b>R-1</b>  | <b>Budget Request</b> | <b>Final Bill</b> |
|---|-----------------------|-------------------|
| <b>999 CLASSIFIED PROGRAMS</b>  | <b>4,973,358</b>      | <b>5,438,608</b>  |
| Classified adjustment   |                       | 465,250           |
| <b>70 SPACE COMMAND &amp; CONTROL - SOFTWARE PILOT PROGRAM</b>        | <b>155,053</b>        | <b>155,553</b>    |
| Program increase - cyber halo innovation research program             |                       | 5,000             |
| Unjustified growth - space C2 sustainment                             |                       | -4,500            |
| <b>TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE</b> | <b>15,819,372</b>     | <b>16,631,377</b> |

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#### SPACE FORCE PROGRAM AFFORDABILITY AND EXECUTABILITY

The agreement notes that the budget projection provided with the fiscal year 2023 Space Force request is currently anticipated to remain flat and declining over the next five years, even though the Space Force is proposing ambitious plans for new architectures, programs, and mission areas. This apparent mismatch between program scope and overall budget resources raises concerns about the degree to which serious analysis or long-term planning has been done to assess the realism and affordability of its portfolio of programs. Therefore, the agreement directs the Secretary of the Air Force, through the Assistant Secretary of the Air Force for Space Acquisition and Integration, to provide the House and Senate Appropriations Committees with a briefing, including supporting analysis, an assessment of risks, and risk management plans, not later than February 1, 2023, on the projected cost, affordability, and executability of the full portfolio of classified and unclassified programs and activities funded in the Space Force accounts.

#### MISSILE WARNING-MISSILE TRACKING LIFE-CYCLE COST

The fiscal year 2023 President's budget request includes more than \$4,500,000,000 for missile warning-related programs for both legacy missile warning programs and smaller, more proliferated architectures in medium and low-earth orbit as part of the Resilient Missile Warning / Missile Tracking program. While the agreement strongly supports the pivot to a more proliferated and diverse architecture of smaller satellites, the Space Force has not provided sufficient information on the expected life-cycle cost of the new architecture; the cost to recapitalize a proliferated architecture every three to five years; potential risks and challenges in the supply chain; the ability of the Space Force to scale up capabilities to command and control a much larger number of satellites; and the applicability and ability to meet stringent requirements for missile warning certification, cybersecurity, and resilience against reversible and irreversible kinetic and non-kinetic attacks. Therefore, the agreement directs the Director, Cost Assessment and Program Evaluation, to develop a life-cycle cost estimate for the proposed Resilient Missile Warning / Missile Tracking initiative and provide a report on the estimate to the House and Senate Appropriations Committees not later than 180 days after the enactment of this Act.

In addition, the agreement 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 after the 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, system life-span, 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 accompanied by a supplementary classified version that captures all relevant programs capable of providing missile warning across the Title 10 and Title 50 mission sets. Further, the agreement directs the Secretary of the Air Force to continue to provide quarterly briefings on the status of its missile warning-related program and expand the scope to include both the OPIR program and the Resilient Missile Warning-Missile Tracking program as an integrated set of programs.

#### SPACE FORCE UNIQUE SCIENCE AND TECHNOLOGY

The agreement 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 agreement notes that space unique capabilities 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 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 agreement directs the Secretary of the Air Force, with the submission of the fiscal year 2024 President’s 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 agreement 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 agreement recommends an additional \$50,000,000 for a tactically responsive launch capability.

The agreement 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 to 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 despite a need to counter adversarial launches of disruptive technologies in a tactically relevant timeline. Therefore, the agreement directs the Secretary of the Air Force to submit, with the President’s fiscal year 2024 budget request, the resourcing profile across the future years defense program by program, project, and activity for tactically responsive space capabilities, to include launch.

#### CISLUNAR SPACE

The agreement 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 nuclear 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 agreement recommends an additional \$20,000,000 for cislunar activities. Further, the agreement strongly supports operationally relevant capabilities in cislunar space and encourages the Secretary of the Air Force to increase investments in this area. Further, the agreement 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 the 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

The agreement provides \$34,565,478,000 for Research, Development, Test and Evaluation, Defense-Wide, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

e Insert 101A-Q

**EXPLANATION OF PROJECT LEVEL ADJUSTMENTS**

[In thousands of dollars]

| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>1 DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH</b>   | <b>11,584</b>  | <b>16,584</b>  |
| Program increase - materials science in extreme environments  |                | 5,000          |
| <b>2 DEFENSE RESEARCH SCIENCES</b>  | <b>401,870</b> | <b>404,370</b> |
| Program increase - advanced predictive analytics for supply chain risk management                                     |                | 4,000          |
| Program increase - university partnerships for artificial intelligence development                                    |                | 9,000          |
| Reduce carryover  |                | -10,500        |
| <b>3 HIGH ENERGY LASER RESEARCH INITIATIVES</b>   | <b>16,257</b>  | <b>21,257</b>  |
| Program increase - high energy laser research   |                | 5,000          |
| <b>4 BASIC RESEARCH INITIATIVES</b>   | <b>62,386</b>  | <b>93,686</b>  |
| Project increase - Central American open source research initiative and coalition                                     |                | 1,300          |
| Program increase - DEPSCOR  |                | 20,000         |
| Program increase - global competition analysis net assessment   |                | 10,000         |
| <b>5 BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE</b>   | <b>80,874</b>  | <b>76,874</b>  |
| Prior year underexecution basic operational medical science   |                | -4,000         |
| <b>6 NATIONAL DEFENSE EDUCATION PROGRAM</b>   | <b>132,347</b> | <b>174,347</b> |
| Program increase - SMART diversification activities   |                | 2,000          |
| Program increase - manufacturing engineering education program (MEEP)   |                | 15,000         |
| Program increase - civil society program  |                | 15,000         |
| Program increase - world language advancement and readiness   |                | 10,000         |
| <b>7 HISTORICALLY BLACK COLLEGES &amp; UNIVERSITIES (HBCU) AND MINORITY-SERVING INSTITUTIONS</b>                      | <b>33,288</b>  | <b>100,500</b> |
| Project increase - integrated research and training in artificial intelligence and machine learning for ROTC students |                | 500            |
| Program increase  |                | 66,712         |
| <b>8 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b>  | <b>34,734</b>  | <b>39,734</b>  |
| Program increase - waterless solutions for decontamination  |                | 5,000          |
| <b>9 JOINT MUNITIONS TECHNOLOGY</b>   | <b>18,961</b>  | <b>22,961</b>  |
| Project increase - next generation explosives and propellants   |                | 2,000          |
| Program increase - energetics manufacturing technology  |                | 2,000          |
| <b>10 BIOMEDICAL TECHNOLOGY</b>   | <b>106,958</b> | <b>126,958</b> |
| Program increase - prophylactic medical countermeasure for acute radiation syndrome                                   |                | 20,000         |
| <b>12 PROMOTION AND PROTECTION STRATEGIES</b>   | <b>3,275</b>   | <b>3,275</b>   |

101A

| R-1 |   | Budget Request | Final Bill                          |
|-----|---|----------------|-------------------------------------|
| 14  | <b>DEFENSE TECHNOLOGY INNOVATION (BEYOND 5G)</b><br>Insufficient justification  | 20,634         | 19,067<br>-1,567                    |
| 15  | <b>LINCOLN LABORATORY RESEARCH PROGRAM</b>  | 46,159         | 46,159                              |
| 16  | <b>APPLIED RESEARCH FOR THE ADVANCEMENT OF S&amp;T PRIORITIES</b><br>Program decrease   | 67,666         | 63,182<br>-4,484                    |
| 17  | <b>INFORMATION AND COMMUNICATIONS TECHNOLOGY</b><br>Prior year underexecution artificial intelligence and human-machine symbiosis   | 388,270        | 383,270<br>-5,000                   |
| 18  | <b>BIOLOGICAL WARFARE DEFENSE</b>   | 23,059         | 23,059                              |
| 19  | <b>CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM</b><br>Portfolio restructure and excess growth   | 256,197        | 244,637<br>-11,560                  |
| 20  | <b>CYBER SECURITY RESEARCH</b><br>Program increase - academic cyber institutes<br>Program increase - university cyber consortium<br>Program increase - pacific intelligence and innovation initiative | 17,264         | 42,264<br>10,000<br>10,000<br>5,000 |
| 21  | <b>SOCIAL SCIENCES FOR ENVIRONMENTAL SECURITY</b>   | 4,000          | 4,000                               |
| 22  | <b>TACTICAL TECHNOLOGY</b><br>Program reduction   | 221,883        | 206,883<br>-15,000                  |
| 23  | <b>MATERIALS AND BIOLOGICAL TECHNOLOGY</b><br>Reduce growth   | 352,976        | 337,726<br>-15,250                  |
| 24  | <b>ELECTRONICS TECHNOLOGY</b>   | 557,745        | 557,745                             |
| 25  | <b>COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH</b>   | 192,162        | 192,162                             |
| 26  | <b>SOFTWARE ENGINEERING INSTITUTE</b>   | 11,030         | 11,030                              |
| 27  | <b>HIGH ENERGY LASER RESEARCH</b>   | 48,587         | 48,587                              |
| 28  | <b>SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT</b><br>Program increase - signature management improvements<br>Program increase - assessment of commercial system  | 49,174         | 58,909<br>4,500<br>5,235            |
| 29  | <b>JOINT MUNITIONS ADVANCED TECHNOLOGY</b>  | 34,065         | 34,065                              |
| 30  | <b>SO/LIC ADVANCED DEVELOPMENT</b>  | 4,919          | 4,919                               |

101B

| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>31 COMBATING TERRORISM TECHNOLOGY SUPPORT</b>  | <b>72,614</b>  | <b>153,114</b> |
| Program increase - anti-tunneling   |                | 47,500         |
| Program increase - cooperative C-UAS development  |                | 25,000         |
| Program increase - artificial intelligence for explosive detection                        |                | 3,000          |
| Program increase - supercavitating projectiles  |                | 5,000          |
| <b>32 FOREIGN COMPARATIVE TESTING</b>   | <b>26,802</b>  | <b>26,802</b>  |
| <b>34 COUNTER WEAPONS OF MASS DESTRUCTION<br/>ADVANCED TECHNOLOGY DEVELOPMENT</b>         | <b>395,721</b> | <b>406,721</b> |
| Program increase - detection and tracking technology                                      |                | 6,000          |
| Program increase - advanced manufacturing of energetics                                   |                | 5,000          |
| <b>35 ADVANCED CONCEPTS AND PERFORMANCE<br/>ASSESSMENT</b>                                | <b>6,505</b>   | <b>6,505</b>   |
| <b>36 ADVANCED CONCEPTS AND PERFORMANCE<br/>ASSESSMENT</b>                                | <b>16,737</b>  | <b>39,737</b>  |
| Program increase - cyber operations   |                | 4,000          |
| Program increase - generic left/right of launch architecture<br>system simulation (GLASS) |                | 4,000          |
| Program increase - hypersonic kill vehicle HWIL upgrades                                  |                | 15,000         |
| <b>37 ADVANCED RESEARCH</b>   | <b>22,023</b>  | <b>85,323</b>  |
| Program increase - sounding rocket hypersonics testing                                    |                | 10,000         |
| Program increase - sounding rocket vehicle high speed<br>testbed technology               |                | 6,000          |
| Program increase - hypersonic interceptor component technology                            |                | 4,300          |
| Program increase - laser weapons optics tech risk mitigation                              |                | 4,000          |
| Program increase - Benzoxazine for high-mach system<br>thermal protection                 |                | 8,000          |
| Program increase - high temperature nickel based alloys<br>for hypersonic applications    |                | 6,000          |
| Program increase - hypersonic testbed acceleration  |                | 25,000         |
| <b>38 JOINT HYPERSONICS TECHNOLOGY DEVELOPMENT &amp;<br/>TRANSITION</b>                   | <b>52,156</b>  | <b>60,156</b>  |
| Program increase - university research  |                | 5,000          |
| Program increase  |                | 3,000          |
| <b>39 JOINT DOD-DOE MUNITIONS TECHNOLOGY<br/>DEVELOPMENT</b>                              | <b>18,898</b>  | <b>18,898</b>  |
| <b>40 ADVANCED AEROSPACE SYSTEMS</b>  | <b>253,135</b> | <b>241,015</b> |
| Reduce growth   |                | -12,120        |
| <b>41 SPACE PROGRAMS AND TECHNOLOGY</b>   | <b>81,888</b>  | <b>74,388</b>  |
| Program reduction   |                | -7,500         |
| <b>42 ANALYTIC ASSESSMENTS</b>  | <b>24,052</b>  | <b>29,552</b>  |
| Program increase - strategic multilayer assessment office                                 |                | 5,500          |

101C

| <b>R-1</b>   | <b>Budget Request</b> | <b>Final Bill</b> |
|--|-----------------------|-------------------|
| <b>43 ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS</b>                              | <b>53,890</b>         | <b>53,890</b>     |
| <b>46 DEFENSE MODERNIZATION AND PROTOTYPING</b>                                  | <b>141,561</b>        | <b>0</b>          |
| Transfer to line 46A, Defense Innovation Acceleration                            |                       | -141,561          |
| <b>46A DEFENSE INNOVATION ACCELERATION</b>                                       | <b>0</b>              | <b>293,504</b>    |
| Transfer from line 46, Defense Modernization and Prototyping                     |                       | 141,561           |
| Transfer from line 48, Technology Innovation                                     |                       | 35,030            |
| Transfer from line 52, Joint Capability Technology Demonstration                 |                       | 114,100           |
| Program increase - high-altitude optical reconnaissance unit and sensors (HORUS) |                       | 20,000            |
| Program increase - open source intelligence                                      |                       | 3,000             |
| Unjustified growth   |                       | -20,187           |
| <b>47 DEFENSE INNOVATION UNIT (DIU)</b>  | <b>42,925</b>         | <b>69,925</b>     |
| Program increase - small craft electric propulsion                               |                       | 5,000             |
| Program increase   |                       | 22,000            |
| <b>48 TECHNOLOGY INNOVATION</b>  | <b>109,535</b>        | <b>18,505</b>     |
| Inadequate justification   |                       | -56,000           |
| Transfer to line 46A, Defense Innovation Acceleration                            |                       | -35,030           |
| <b>49 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEVELOPMENT</b>         | <b>238,407</b>        | <b>226,407</b>    |
| Early to need  |                       | -17,000           |
| Program increase - broad spectrum small molecule anti-viral development          |                       | 5,000             |
| <b>50 RETRACT LARCH</b>  | <b>79,493</b>         | <b>79,493</b>     |
| <b>51 JOINT ELECTRONIC ADVANCED TECHNOLOGY</b>                                   | <b>19,218</b>         | <b>24,218</b>     |
| Program increase - photonically distributed antenna system                       |                       | 5,000             |
| <b>52 JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS</b>                             | <b>114,100</b>        | <b>0</b>          |
| Transfer to line 46A, Defense Innovation Acceleration                            |                       | -114,100          |
| <b>53 NETWORKED COMMUNICATIONS CAPABILITIES</b>                                  | <b>3,168</b>          | <b>3,168</b>      |

101D

| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>54 DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM</b>  | <b>256,142</b> | <b>747,442</b> |
| Project increase - scalable comprehensive workforce readiness initiatives in bioindustrial manufacturing that lead to regional bioeconomic transformation and growth |                | 5,000          |
| Program increase - advanced materials and materials manufacturing processes  |                | 6,000          |
| Program increase - difficult-to-copy manufacturing   |                | 7,000          |
| Program increase - advanced composites for hypersonics aided by digital engineering  |                | 5,000          |
| Program increase - hypersonic enabling manufacturing   |                | 12,000         |
| Program increase - additive manufacturing training   |                | 5,200          |
| Program increase - direct ink writing of advanced thermoset materials  |                | 5,000          |
| Program increase - additive manufacturing sustainability   |                | 10,000         |
| Program increase - automated manufacturing technologies for very high temperature composite  |                | 5,000          |
| Program increase - flexible hybrid electronics   |                | 6,000          |
| Program increase - CMMC compliance for cybersecurity in manufacturing  |                | 6,000          |
| Program increase - custom electrolytes for military lithium-ion 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   |                | 12,500         |
| Program increase - manufacturing industrial 4.0 training program   |                | 5,000          |
| Program increase - bioindustrial manufacturing matrix development  |                | 7,000          |
| Program increase - multifunctional bioindustrial database capability   |                | 9,600          |
| Program increase - biotechnology manufacturing institutes  |                | 300,000        |
| <b>55 MANUFACTURING TECHNOLOGY PROGRAM</b>   | <b>46,166</b>  | <b>92,766</b>  |
| Program increase - steel performance initiative  |                | 13,000         |
| Program increase - AI-based market research system   |                | 3,000          |
| 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 - supply chain readiness improvement program  |                | 5,000          |
| Program increase - nanostructured iron nitride permanent magnets   |                | 7,000          |
| <b>56 GENERIC LOGISTICS R&amp;D TECHNOLOGY DEMONSTRATIONS</b>  | <b>13,663</b>  | <b>13,663</b>  |

101E

| <b>R-1</b>  | <b>Budget Request</b> | <b>Final Bill</b> |
|---|-----------------------|-------------------|
| <b>57 STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM</b>                                    | <b>58,411</b>         | <b>88,411</b>     |
| Program increase - PFAS remediation and disposal technology                           |                       | 15,000            |
| Program increase - AFFF replacement, disposal, and cleanup technology                 |                       | 15,000            |
| <b>58 MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT</b>                         | <b>139,833</b>        | <b>207,333</b>    |
| Transfer from line 101, Trusted and Assured Microelectronics                          |                       | 12,500            |
| Program increase - advanced node semiconductors                                       |                       | 10,000            |
| Program increase - secure advanced on-shore test capability                           |                       | 10,000            |
| Program increase - enhanced RF microelectronics production                            |                       | 35,000            |
| <b>59 JOINT WARFIGHTING PROGRAM</b>   | <b>2,411</b>          | <b>2,411</b>      |
| <b>60 ADVANCED ELECTRONICS TECHNOLOGIES</b>   | <b>250,917</b>        | <b>250,917</b>    |
| <b>61 COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS</b>                                 | <b>305,050</b>        | <b>298,050</b>    |
| Reduce growth   |                       | -7,000            |
| <b>62 NETWORK-CENTRIC WARFARE TECHNOLOGY</b>  | <b>678,562</b>        | <b>673,562</b>    |
| Program reduction   |                       | -5,000            |
| <b>63 SENSOR TECHNOLOGY</b>   | <b>314,502</b>        | <b>308,442</b>    |
| Reduce growth   |                       | -6,060            |
| <b>64 DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT</b>                        | <b>201</b>            | <b>201</b>        |
| <b>65 SOFTWARE ENGINEERING INSTITUTE</b>  | <b>13,417</b>         | <b>13,417</b>     |
| <b>66 HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM</b>                               | <b>111,149</b>        | <b>111,149</b>    |
| <b>67 TEST &amp; EVALUATION SCIENCE &amp; TECHNOLOGY</b>                              | <b>315,090</b>        | <b>972,640</b>    |
| Program increase - enhanced hypersonic testing capabilities                           |                       | 14,400            |
| Program increase - advanced cybersecurity signal generation                           |                       | 4,000             |
| Program increase - hypersonic thermal protection test equipment                       |                       | 10,000            |
| Program increase - hypersonic wave heat facilities                                    |                       | 20,000            |
| Program increase - electronicmagnetic spectrum test emitters                          |                       | 162,000           |
| Program increase - electronicmagnetic spectrum sensor fusion                          |                       | 89,000            |
| Program increase - airborne 5G  |                       | 22,000            |
| Program increase - 5G range instrumentation   |                       | 18,000            |
| Program increase - additional hypersonics sensor packages for RQ-4 and MQ-9 platforms |                       | 144,250           |
| Program increase - directed energy airborne high-power testbed                        |                       | 18,750            |
| Program increase - space-based range tracking   |                       | 31,400            |
| Program increase - 5th generation aerial target                                       |                       | 47,500            |
| Program increase - artificial intelligence hubs technology development                |                       | 75,000            |
| Program increase - all-domain autonomous modeling and simulation                      |                       | 1,250             |

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| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>68 NATIONAL SECURITY INNOVATION NETWORK</b>  | <b>22,028</b>  | <b>79,268</b>  |
| Project increase - secure email access  |                | 1,240          |
| Program increase - DoD mission acceleration centers   |                | 50,000         |
| Program increase - adaptive threat force cyber cell   |                | 1,000          |
| Program increase - hacking 4 defense  |                | 5,000          |
| <b>69 OPERATIONAL ENERGY CAPABILITY IMPROVEMENT</b>   | <b>180,170</b> | <b>199,170</b> |
| Early to need   |                | -18,000        |
| Program increase  |                | 8,000          |
| Program increase - adaptive aerodynamic surfaces technology   |                | 5,000          |
| Program increase - distributed maritime energy research   |                | 2,000          |
| Program increase - laser wireless power transfer  |                | 5,000          |
| Program increase - TRISO advanced fuel  |                | 10,000         |
| Program increase - power and thermal management subsystem technologies for high energy laser activities |                | 7,000          |
| <b>72 SOF ADVANCED TECHNOLOGY DEVELOPMENT</b>   | <b>118,877</b> | <b>148,977</b> |
| Reduced growth  |                | -8,400         |
| Program increase - identity threat mitigation and force protection                                      |                | 17,000         |
| Program increase - C-130J autonomous capabilities   |                | 7,000          |
| Program increase - gesture control integration project  |                | 5,000          |
| Program increase - UAS electronic deception   |                | 1,500          |
| Program increase - global data analytics and visualization  |                | 8,000          |
| <b>74 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT</b>  | <b>41,507</b>  | <b>41,507</b>  |
| <b>75 WALKOFF</b>   | <b>133,795</b> | <b>133,795</b> |
| <b>76 ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM</b>  | <b>84,638</b>  | <b>122,638</b> |
| Program increase - PFAS remediation and disposal technology   |                | 15,000         |
| Program increase - AFFF replacement, disposal, and cleanup technology                                   |                | 5,000          |
| Program increase - PFAS on-site remediation technology  |                | 15,000         |
| Program increase - sustainable technology evaluation and demonstration program                          |                | 3,000          |
| <b>77 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT</b>  | <b>190,216</b> | <b>195,216</b> |
| Program increase - survivability planning and intercept evaluation tool                                 |                | 5,000          |
| <b>78 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT</b>   | <b>667,524</b> | <b>690,018</b> |
| Program increase - ground-based interceptor service life extension                                      |                | 33,200         |
| Systems engineering growth  |                | -8,592         |
| Program operations growth   |                | -2,114         |

101G

| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>79 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAMS - DEM / VAL</b>                   | <b>291,364</b> | <b>252,010</b> |
| Portfolio restructure and excess growth  |                | -39,354        |
| <b>80 BALLISTIC MISSILE DEFENSE SENSORS</b>                                      | <b>231,134</b> | <b>231,134</b> |
| <b>81 BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS</b>                            | <b>591,847</b> | <b>591,847</b> |
| <b>82 SPECIAL PROGRAMS - MDA</b>   | <b>316,977</b> | <b>316,977</b> |
| <b>83 AEGIS BMD</b>  | <b>600,072</b> | <b>596,572</b> |
| Program increase - lightweight telescope for advanced AEGIS interceptor          |                | 6,000          |
| Program operational growth   |                | -1,500         |
| Program growth   |                | -8,000         |
| <b>84 BALLISTIC MISSILE DEFENSE C2BMC</b>  | <b>589,374</b> | <b>589,374</b> |
| <b>85 BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT</b>                     | <b>50,269</b>  | <b>50,269</b>  |
| <b>86 MISSILE DEFENSE INTEGRATION &amp; OPERATIONS CENTER (MDIOC)</b>            | <b>49,367</b>  | <b>49,367</b>  |
| <b>87 REGARDING TRENCH</b>   | <b>12,146</b>  | <b>12,146</b>  |
| <b>88 SEA BASED X-BAND RADAR (SBX)</b>   | <b>164,668</b> | <b>164,668</b> |
| <b>89 ISRAELI COOPERATIVE PROGRAMS</b>   | <b>300,000</b> | <b>300,000</b> |
| <b>90 BMD TESTS</b>  | <b>367,824</b> | <b>367,824</b> |
| <b>91 BMD TARGETS</b>  | <b>559,513</b> | <b>579,075</b> |
| 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  |                | -22,438        |
| <b>92 COALITION WARFARE</b>  | <b>11,154</b>  | <b>11,154</b>  |
| <b>93 NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G)</b>             | <b>249,591</b> | <b>249,591</b> |
| <b>94 DEPARTMENT OF DEFENSE CORROSION PROGRAM</b>                                | <b>3,166</b>   | <b>3,166</b>   |
| <b>95 GUAM DEFENSE DEVELOPMENT</b>   | <b>397,936</b> | <b>393,201</b> |
| Early to need  |                | -4,735         |

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| R-1   | Budget Request   | Final Bill       |
|---|------------------|------------------|
| <b>96 TECHNOLOGY MATURATION INITIATIVES</b>   | <b>0</b>         | <b>16,000</b>    |
| Program increase - diode-pumped alkali laser development  |                  | 7,000            |
| Program increase - short pulse laser directed energy demonstration for hypersonic defense   |                  | 9,000            |
| <b>97 CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO) - MIP</b>  | <b>33,950</b>    | <b>70,790</b>    |
| Classified adjustment   |                  | 36,840           |
| <b>99 HYPERSONIC DEFENSE</b>  | <b>225,477</b>   | <b>517,977</b>   |
| Program increase - glide phase defeat weapons system  |                  | 292,500          |
| <b>100 ADVANCED INNOVATIVE TECHNOLOGIES</b>   | <b>1,145,358</b> | <b>1,148,108</b> |
| Reduce growth   |                  | -57,250          |
| Program increase - pele mobile nuclear microreactor   |                  | 17,000           |
| Program increase - LIDAR C-UAS automated target recognition   |                  | 5,000            |
| Program increase - Seaman's Eye   |                  | 8,000            |
| Program increase - service tactical signal intelligence (SIGINT) upgrades   |                  | 10,000           |
| Program increase - pele second source   |                  | 20,000           |
| <b>101 TRUSTED &amp; ASSURED MICROELECTRONICS</b>   | <b>647,226</b>   | <b>644,326</b>   |
| Program increase - radiation-hardened fully-depleted silicon-on-insulator microelectronics  |                  | 38,000           |
| Program increase - advanced node radiation-hardened fully-depleted silicon-on-insulator microelectronics technology for advanced field programmable gate arrays |                  | 10,000           |
| Program increase - GaN and GaAs RFIC technology   |                  | 25,000           |
| Program increase - magnetoresistive random-access memory (MRAM)   |                  | 3,500            |
| Transfer to line 58, Microelectronics Technology and Support  |                  | -12,500          |
| Duplicative unexecutable funding  |                  | -50,000          |
| Early to need   |                  | -16,900          |
| <b>102 RAPID PROTOTYPING PROGRAM</b>  | <b>179,189</b>   | <b>109,189</b>   |
| Transfer to line 102B, Rapid Defense Experimentation Reserve  |                  | -70,000          |
| <b>102B RAPID DEFENSE EXPERIMENTATION RESERVE</b>   | <b>0</b>         | <b>24,758</b>    |
| Transfer from line 102, Rapid Prototyping Program   |                  | 70,000           |
| Rapid defense experimentation reserve unjustified request   |                  | -45,242          |
| <b>103 DEFENSE INNOVATION UNIT (DIU) PROTOTYPING</b>  | <b>24,402</b>    | <b>41,902</b>    |
| Program increase - orbital prototyping  |                  | 11,000           |
| Program increase - visual augmentation technology   |                  | 6,500            |
| <b>104 DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT</b>  | <b>2,691</b>     | <b>7,691</b>     |
| Program increase - unmanned traffic management prototyping and fielding   |                  | 5,000            |
| <b>105 CATAPULT</b>   | <b>7,130</b>     | <b>7,130</b>     |

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| R-1  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| <b>106 OPERATIONAL ENERGY CAPABILITY IMPROVEMENT -<br/>NON S&amp;T</b>                         | <b>45,779</b>    | <b>39,479</b>    |
| Early to need  |                  | -11,300          |
| Program increase - field-based airborne power generation systems                               |                  | 5,000            |
| <b>108 WARGAMING AND SUPPORT FOR STRATEGIC<br/>ANALYSIS (SSA)</b>                              | <b>3,229</b>     | <b>3,229</b>     |
| <b>109 JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION<br/>AND INTEROPERABILITY</b>               | <b>40,699</b>    | <b>35,699</b>    |
| Unjustified request  |                  | -5,000           |
| <b>110 LONG RANGE DISCRIMINATION RADAR</b>   | <b>75,120</b>    | <b>75,120</b>    |
| <b>111 IMPROVED HOMELAND DEFENSE INTERCEPTORS</b>  | <b>1,833,357</b> | <b>1,833,357</b> |
| <b>112 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE<br/>SEGMENT TEST</b>                         | <b>69,762</b>    | <b>69,762</b>    |
| <b>113 AEGIS BMD TEST</b>  | <b>182,776</b>   | <b>175,619</b>   |
| Excess growth  |                  | -7,157           |
| <b>114 BALLISTIC MISSILE DEFENSE SENSORS TEST</b>  | <b>88,326</b>    | <b>88,326</b>    |
| <b>115 LAND-BASED SM-3 (LBSM3)</b>   | <b>27,678</b>    | <b>27,678</b>    |
| <b>116 BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE<br/>SEGMENT TEST</b>                        | <b>84,075</b>    | <b>84,075</b>    |
| <b>117 SAFETY PROGRAM MANAGEMENT</b>   | <b>2,417</b>     | <b>2,417</b>     |
| <b>118 ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS</b>   | <b>2,664</b>     | <b>2,664</b>     |
| <b>120 CYBER SECURITY INITIATIVE</b>   | <b>1,165</b>     | <b>1,165</b>     |
| <b>123 BALLISTIC MISSILE DEFENSE SYSTEM SPACE<br/>PROGRAMS</b>                                 | <b>129,957</b>   | <b>129,957</b>   |
| <b>124 CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE<br/>OFFICER (CDAO) - DEM / VAL ACTIVITIES</b> | <b>273,340</b>   | <b>278,340</b>   |
| Excess to need   |                  | -25,000          |
| Program increase - vertical munitions and fuel data integration pilots                         |                  | 20,000           |
| Program increase - tactical artificial intelligence at combatant commands                      |                  | 10,000           |
| <b>125 NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY<br/>EQUIPMENT</b>                            | <b>6,482</b>     | <b>6,482</b>     |
| <b>127 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM -<br/>EMD</b>                                   | <b>312,148</b>   | <b>301,611</b>   |
| Portfolio restructure and excess growth  |                  | -10,537          |

101J

| R-1  | Budget Request | Final Bill         |
|--|----------------|--------------------|
| 128 JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)                 | 9,120          | 9,120              |
| 129 COUNTER WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES                | 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<br>Program increase                      | 10,145         | 30,145<br>20,000   |
| 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              |
| 139 TRUSTED & ASSURED MICROELECTRONICS<br>Duplicative unexecutable funding | 302,963        | 252,963<br>-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             |
| 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 & EVAL INVESTMENT DEVELOPMENT                             | 819,358        | 1,267,958          |
| Unjustified growth   |                | -15,000            |
| Program increase - hypersonic test facility modular assemblies             |                | 150,000            |
| Program increase - 4-foot multi-sonic wind tunnel                          |                | 98,200             |
| Program increase - modeling and simulation of hypersonic test facilities   |                | 10,300             |
| Program increase - hypersonic test facilities                              |                | 30,000             |
| Program increase - hypersonic ground testing capability                    |                | 10,100             |
| Program increase - hypersonics high speed test track                       |                | 53,000             |
| Program increase - hypersonics scramjet wind tunnel                        |                | 52,000             |
| Program increase - hypersonics aeroshell test facility                     |                | 54,000             |
| Program increase - spectrum superiority testbed                            |                | 6,000              |

(101K)

| R-1  | Budget Request | Final Bill |
|--|----------------|------------|
| 147 ASSESSMENTS AND EVALUATIONS  | 4,607          | 4,607      |
| 148 MISSION SUPPORT  | 86,869         | 86,869     |
| 149 JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)                                  | 126,079        | 189,579    |
| Program increase - data management / big data analytics                                |                | 60,000     |
| Program increase - artificial intelligence hub infrastructure                          |                | 3,500      |
| 150 JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO)                     | 53,278         | 53,278     |
| 151 CLASSIFIED PROGRAM USD(P)  | 0              | 145,800    |
| Classified adjustment  |                | 145,800    |
| 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        | 126,432    |
| Portfolio restructure and excess growth  |                | -2,243     |
| Program increase - major range and test facility base management support - project DW6 |                | 4,200      |
| 158 SMALL BUSINESS INNOVATIVE RESEARCH CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM         | 0              | 2,000      |
| Program increase - infectious disease diagnostics                                      |                | 2,000      |
| 165 SMALL BUSINESS INNOVATION RESEARCH (SBIR)/SMALL BUSINESS TECHNOLOGY TRANSFER       | 3,820          | 3,820      |
| 166 MAINTAINING TECHNOLOGY ADVANTAGE   | 35,414         | 33,082     |
| Excess growth  |                | -2,332     |
| 167 DEFENSE TECHNOLOGY ANALYSIS  | 56,114         | 56,114     |
| 168 DEFENSE TECHNICAL INFORMATION CENTER (DTIC)  | 63,184         | 63,184     |
| 169 R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION                             | 23,757         | 33,757     |
| Program increase - federal voting assistance program                                   |                | 10,000     |
| 170 DEVELOPMENT TEST AND EVALUATION  | 26,652         | 26,652     |

101L

| R-1   | Budget Request | Final Bill       |
|---|----------------|------------------|
| 171 MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT)  | 14,636         | 14,636           |
| 172 MANAGEMENT HEADQUARTERS 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<br>DSB new start baseline   | 2,532          | 2,500<br>-32     |
| 179 CYBER RESILIENCY AND CYBERSECURITY POLICY<br>Program increase - deep cyber resilience analysis (DCRA) | 32,306         | 52,306<br>20,000 |
| 180 MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPOF<br>Unjustified growth                                    | 12,354         | 10,295<br>-2,059 |
| 181 DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI)   | 3,034          | 3,034            |
| 182 JOINT STAFF ANALYTICAL SUPPORT<br>Unjustified growth  | 4,332          | 3,058<br>-1,274  |
| 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<br>Poor justification                           | 37,852         | 33,861<br>-3,991 |
| 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            |
| 999 CLASSIFIED PROGRAMS   | 37,841         | 37,841           |

101M

| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>200 INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT</b>                                     | <b>588,094</b> | <b>830,294</b> |
| Project increase - systems engineering technology (SET) apprenticeship and internship program   |                | 1,200          |
| Project increase - partnerships for manufacturing training innovation                           |                | 7,000          |
| Program increase - accelerated training in defense manufacturing (ATDM)                         |                | 5,000          |
| Program increase - advanced electrochromic manufacturing program                                |                | 5,000          |
| Program increase - advanced design and engineering capabilities for small businesses            |                | 12,000         |
| Program increase - advanced headborne systems manufacturing                                     |                | 5,000          |
| Program increase - advanced thermoplastics demonstration  |                | 4,000          |
| Program increase - aluminum armor plating   |                | 1,500          |
| Program increase - automated integrated metrology   |                | 5,000          |
| Program increase - automated textile manufacturing  |                | 7,500          |
| Program increase - carbon industrial base enhancement   |                | 3,000          |
| Program increase - career and technical education pilot   |                | 10,000         |
| Program increase - demonstration scale of REE from coal ash technology                          |                | 30,000         |
| Program increase - digital design and engineering demonstration                                 |                | 5,500          |
| Program increase - digital thread manufacturing demonstration                                   |                | 8,000          |
| Program increase - expanding U.S. defense workforce   |                | 20,000         |
| Program increase - hybrid manufacturing for lightweight defense components                      |                | 5,000          |
| Program increase - interdisciplinary center for advanced manufacturing                          |                | 10,000         |
| Program increase - metal-organic frameworks   |                | 5,000          |
| Program increase - munitions supply chain diversification                                       |                | 20,000         |
| Program increase - on-shore advanced microelectronic packaging for strategic mission enablement |                | 40,000         |
| Program increase - on-shoring Navy battery cells  |                | 10,000         |
| Program increase - precision optics manufacturing   |                | 10,000         |
| Program increase - resilient manufacturing ecosystem  |                | 5,000          |
| Program increase - ruggedized transceivers for harsh environments                               |                | 7,500          |
| <b>201 CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT</b>  | <b>15,427</b>  | <b>15,427</b>  |
| <b>202 GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS</b>                   | <b>8,317</b>   | <b>8,317</b>   |
| <b>203 CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT)</b>                    | <b>68,030</b>  | <b>65,588</b>  |
| Portfolio restructure and excess growth   |                | -2,442         |
| <b>209 DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION</b>                              | <b>19,145</b>  | <b>19,145</b>  |
| <b>210 LONG HAUL COMMUNICATIONS (DCS)</b>   | <b>13,195</b>  | <b>13,195</b>  |
| <b>211 MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS</b>   | <b>5,746</b>   | <b>5,746</b>   |
| <b>212 KEY MANAGEMENT INFRASTRUCTURE (KMI)</b>  | <b>92,018</b>  | <b>92,018</b>  |
| <b>213 INFORMATION SYSTEMS SECURITY PROGRAM</b>   | <b>43,135</b>  | <b>43,135</b>  |

101N

| R-1   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>214 INFORMATION SYSTEMS SECURITY PROGRAM</b>                   | <b>593,831</b> | <b>637,831</b> |
| Program increase - cyber institutes at senior military colleges   |                | 24,000         |
| Program increase - centers for academic excellence                |                | 20,000         |
| <b>215 INFORMATION SYSTEMS SECURITY PROGRAM</b>                   | <b>7,005</b>   | <b>7,005</b>   |
| <b>216 GLOBAL COMMAND AND CONTROL SYSTEM</b>                      | <b>10,020</b>  | <b>10,020</b>  |
| <b>217 DEFENSE SPECTRUM ORGANIZATION</b>                          | <b>19,708</b>  | <b>19,708</b>  |
| <b>221 FEDERAL INVESTIGATIVE SERVICES INFORMATION</b>             | <b>5,197</b>   | <b>5,197</b>   |
| <b>226 DEFENSE INDUSTRIAL BASE (DIB) CYBER SECURITY</b>           | <b>10,000</b>  | <b>10,000</b>  |
| <b>229 SECURITY AND INVESTIGATIVE ACTIVITIES</b>                  | <b>450</b>     | <b>450</b>     |
| <b>230 INDUSTRIAL SECURITY ACTIVITIES</b>                         | <b>1,800</b>   | <b>1,800</b>   |
| <b>233 DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES</b>           | <b>4,622</b>   | <b>4,622</b>   |
| <b>234 COMBINED ADVANCED APPLICATIONS</b>                         | <b>49,380</b>  | <b>49,380</b>  |
| <b>237 POLICY R&amp;D PROGRAMS</b>                                | <b>6,214</b>   | <b>9,214</b>   |
| Program increase - off-shore wind energy research and development |                | 3,000          |
| <b>238 NET CENTRICITY</b>   | <b>17,917</b>  | <b>17,917</b>  |
| <b>240 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS</b>              | <b>6,095</b>   | <b>6,095</b>   |
| <b>246 INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS</b>   | <b>4,575</b>   | <b>4,575</b>   |
| <b>247 CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT</b>         | <b>2,497</b>   | <b>7,497</b>   |
| Program increase - cyber defensive operations and training        |                | 5,000          |
| <b>248 INSIDER THREAT</b>   | <b>9,403</b>   | <b>12,403</b>  |
| Program increase - insider threat pilot program                   |                | 3,000          |
| <b>249 HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM</b>           | <b>1,864</b>   | <b>1,864</b>   |
| <b>257 LOGISTICS SUPPORT ACTIVITIES</b>                           | <b>1,620</b>   | <b>1,620</b>   |
| <b>258 PACIFIC DISASTER CENTERS</b>                               | <b>1,875</b>   | <b>11,875</b>  |
| Program increase - global water security center                   |                | 10,000         |
| <b>259 DEFENSE PROPERTY ACCOUNTABILITY SYSTEM</b>                 | <b>3,264</b>   | <b>3,264</b>   |
| <b>261 MQ-9 UAV</b>   | <b>14,000</b>  | <b>27,340</b>  |
| SOCOM requested transfer from OM,DW line 1PL7                     |                | 5,840          |
| Program increase - lightweight open architecture pod              |                | 7,500          |

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| R-1  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>263 SPECIAL OPERATIONS AVIATION SYSTEMS</b>   |                |                |
| <b>ADVANCED DEVELOPMENT</b>  | <b>179,499</b> | <b>183,152</b> |
| Program increase - development of cyber security and continuous monitoring of serial bus systems |                | 10,000         |
| Mission processor upgrades unjustified growth  |                | -1,577         |
| Degraded visual environment unjustified growth   |                | -4,770         |
| <b>264 SPECIAL OPERATIONS INTELLIGENCE SYSTEMS</b>   | <b>75,136</b>  | <b>90,136</b>  |
| Program increase - AISUM   |                | 15,000         |
| <b>265 SOF OPERATIONAL ENHANCEMENTS</b>  | <b>142,900</b> | <b>184,260</b> |
| Classified adjustment  |                | -3,250         |
| Program increase - AISUM   |                | 10,000         |
| Program increase - precision strike munition shipboard safety and certification testing UPL      |                | 8,610          |
| Program increase - modular compact high energy laser   |                | 18,000         |
| Program increase - single-channel handheld enhancements  |                | 8,000          |
| <b>266 WARRIOR SYSTEMS</b>   | <b>129,133</b> | <b>166,464</b> |
| Classified adjustment  |                | -7,996         |
| Program increase - identity management   |                | 10,000         |
| Program increase - counter unmanned systems (CUxS) procurement acceleration UPL                  |                | 5,400          |
| Program increase - maritime scalable effects (MSE) electronic warfare system acceleration UPL    |                | 2,397          |
| Program increase - mobile CUAS solutions   |                | 3,000          |
| Program increase - ground organic precision strike systems loitering munitions UPL               |                | 9,930          |
| Program increase - PFAS/PFOA free durable water repellent treatment                              |                | 4,000          |
| Program increase - next generation ISR SOF enhancement   |                | 7,000          |
| MPE-M - transfer from P,DW line 70   |                | 3,600          |
| <b>267 SPECIAL PROGRAMS</b>  | <b>518</b>     | <b>518</b>     |
| <b>268 UNMANNED ISR</b>  | <b>3,354</b>   | <b>3,354</b>   |
| <b>269 SOF TACTICAL VEHICLES</b>   | <b>13,594</b>  | <b>10,719</b>  |
| Family of special operations vehicles unjustified growth   |                | -2,875         |
| <b>270 SOF MARITIME SYSTEMS</b>  | <b>82,645</b>  | <b>112,645</b> |
| Program increase - dry combat submersible (DCS) next acceleration UPL                            |                | 30,000         |
| <b>272 SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE</b>   | <b>7,583</b>   | <b>12,583</b>  |
| Program increase - graphitic composite and graphitic carbon foam                                 |                | 5,000          |
| <b>273 TELEPORT PROGRAM</b>  | <b>1,270</b>   | <b>1,270</b>   |
| <b>273A NATIONAL INDUSTRIAL SECURITY SYSTEMS (NISS)</b>  | <b>0</b>       | <b>14,749</b>  |
| Transfer from line 282 for BA08 software pilot program   |                | 14,749         |

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| R-1  | Budget Request    | Final Bill            |
|--|-------------------|-----------------------|
| 274 NATIONAL BACKGROUND INVESTIGATION SERVICES -<br>SOFTWARE PILOT PROGRAM   | 132,524           | 132,524               |
| 275 ACQUISITION VISIBILITY - SOFTWARE PILOT<br>PROGRAM   | 17,123            | 17,123                |
| 276 ACCELERATE THE PROCUREMENT AND FIELDING OF<br>INNOVATIVE TECHNOLOGIES (APFIT)<br>Transfer to P,DW line 50                                  | 100,000           | 0<br>-100,000         |
| 277 GLOBAL COMMAND AND CONTROL SYSTEM  | 34,987            | 34,987                |
| 282 NATIONAL INDUSTRIAL SECURITY SYSTEMS (NISS) -<br>SOFTWARE PILOT PROGRAM<br>Unjustified BA08 software pilot program - transfer to line 273A | 14,749            | 0<br>-14,749          |
| 999 CLASSIFIED PROGRAMS<br>Classified adjustment   | 265,028           | 0<br>-265,028         |
| 999 CLASSIFIED PROGRAMS<br>Classified adjustment   | 7,857,104         | 7,592,292<br>-264,812 |
| <b>TOTAL, RESEARCH, DEVELOPMENT, TEST &amp;<br/>EVALUATION, DEFENSE-WIDE</b>   | <b>32,080,052</b> | <b>34,565,478</b>     |

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#### RAPID DEFENSE EXPERIMENTATION RESERVE

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. The request included RDER funding within Service program elements, aligning resources with the Service responsible for conducting the experimentation.

The agreement makes modest adjustments to funding levels in Service RDER program elements and ensures that RDER funding is delineated in a standalone program element. Moreover, it provides the Office of the Secretary of Defense with an appropriate level of funding within Research, Development, Test and Evaluation, Defense-Wide, to conduct only core program management and integration activities, and reduces the scope of RDER efforts within the Office of the Joint Staff funding element.

Concerns remain with RDER's ability to synchronize experimentation occurring at Service and Combatant Command-level events with programmatic acquisition milestones. Therefore, the agreement directs the Undersecretary of Defense for Research and Engineering, in coordination with the Service Secretaries, to provide a schedule and spend plan of RDER activities to the congressional defense committees not later than 60 days after the enactment of this Act.

#### STREAMLINING AND BOLSTERING INNOVATION PROGRAM ELEMENTS

The agreement consolidates existing prototyping program elements within Research, Development, Test and Evaluation, Defense-Wide, into one dedicated program element per budget activity. In Budget Activity 03, the Defense Modernization and Prototyping Program, the Joint Capability Technology Demonstration, and certain prototyping activities previously conducted in the Technology Innovation program element are combined to create the Defense Innovation Acceleration program element. In Budget Activity 04, the agreement supports the continuation of the Rapid Prototyping Program and separates the Rapid Defense Experimentation Reserve Fund program management activities into a dedicated program element. Furthermore, the agreement modifies section 8061 of the bill to normalize standards across program elements. Not later than 60 days after the enactment of this Act, the Undersecretary of Defense for Research and Engineering shall brief the congressional defense committees on its implementation of these adjustments to the budget structure.

#### RADAR TRANSMISSION CAPABILITIES

The agreement 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 contributions to national security capabilities for navigation and space situational awareness (SSA) of 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. The report shall include a review of current SSA capabilities and shortfalls; an assessment of potential development activities and their ability to support requirements; and plans, funding, and timelines for future SSA radar observation capabilities.

#### OFFICE OF THE INSPECTOR GENERAL AUDITS AND REPORTS

The agreement directs the Office of the Inspector General to submit a report on covered contractors' compliance with the prohibition on advertising contained in 10 U.S.C. 3744(a)(8) and provides no further direction under this heading.

OPERATIONAL TEST AND EVALUATION, DEFENSE

The agreement provides \$449,294,000 for Operational Test and Evaluation, Defense, as follows:

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

|  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>OPERATIONAL TEST AND EVALUATION .....</b>   | <b>119,529</b> | <b>134,529</b> |
| Program increase - browser plug-in security research   |                | 5,000          |
| Program increase - red team automation   |                | 10,000         |
| <b>LIVE FIRE TESTING .....</b>   | <b>99,947</b>  | <b>169,147</b> |
| Program increase - test capabilities acceleration -<br>electromagnetic spectrum live fire test and   |                | 41,000         |
| Program increase - test capabilities acceleration -<br>hypersonics live fire test and evaluation   |                | 10,000         |
| Program increase - test capabilities acceleration - space<br>systems live fire test and evaluation   |                | 15,000         |
| Program increase - test capabilities acceleration - data<br>management tri-service data repository   |                | 3,200          |
| <b>OPERATIONAL TEST ACTIVITIES AND ANALYSIS .....</b>  | <b>57,718</b>  | <b>145,618</b> |
| Program increase - test capabilities acceleration - directed<br>energy instrumentation   |                | 7,500          |
| Program increase - test capabilities acceleration - space<br>systems operational test and evaluation                                       |                | 7,500          |
| Program increase - test capabilities acceleration - next phase<br>of threat specific and threat capable models                             |                | 25,000         |
| Program increase - test capabilities acceleration - data<br>management tri-service operational test activities and analysis                |                | 16,400         |
| Program increase - test capabilities acceleration - AI-reliant<br>cognitive electronic warfare systems models development                  |                | 17,500         |
| Program increase - test capabilities acceleration - tools and<br>technologies for artificial intelligence/autonomous systems<br>evaluation |                | 6,000          |
| Program increase - test capabilities acceleration - innovation<br>hub for software and cyber   |                | 8,000          |
| <b>TOTAL, OPERATIONAL TEST &amp; EVALUATION, DEFENSE</b>   | <b>277,194</b> | <b>449,294</b> |

CERTIFICATION OF FUNDING FOR TEST INFRASTRUCTURE AND TEST EVENT RESOURCES

The Department of Defense component and Service acquisition executives are directed to certify to the Director, Operational Test and Evaluation (DOT&E), that the Department of Defense 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 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, DOT&E 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**

The agreement provides \$1,654,710,000 in Title V. Revolving and Management Funds.

**DEFENSE WORKING CAPITAL FUNDS**

The agreement provides \$1,654,710,000 for Defense Working Capital Funds, as follows:

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

|  | <b>Budget Request</b> | <b>Final Bill</b> |
|--|-----------------------|-------------------|
| Industrial Operations  | <b>28,448</b>         | <b>143,448</b>    |
| Program increase - Arsenal Sustainment Initiative                        |                       | 115,000           |
| Supply Management  | 1,489                 | 1,489             |
| <b>WORKING CAPITAL FUND, ARMY</b>  | <b>29,937</b>         | <b>144,937</b>    |
| <br><b>WORKING CAPITAL FUND, AIR FORCE</b>                               | <br><b>80,448</b>     | <br><b>80,448</b> |
| National Defense Stockpile Transaction Fund                              | <b>253,500</b>        | <b>0</b>          |
| 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             |
| <b>WORKING CAPITAL FUND, DEFENSE-WIDE</b>                                | <b>261,802</b>        | <b>8,302</b>      |
| Commissary Operations  | <b>1,211,208</b>      | <b>1,421,023</b>  |
| Program increase - Doorstop Deliveries                                   |                       | 200               |
| Program increase - reduce commissary prices                              |                       | 209,615           |
| <b>DEFENSE WORKING CAPITAL FUND, DECA</b>                                | <b>1,211,208</b>      | <b>1,421,023</b>  |
| <b>TOTAL, DEFENSE WORKING CAPITAL FUNDS</b>                              | <b>1,583,395</b>      | <b>1,654,710</b>  |

**TITLE VI - OTHER DEPARTMENT OF DEFENSE PROGRAMS**

The agreement provides \$41,751,419,000 in Title VI, Other Department of Defense Programs, as follows:

~~(INSERT OTHER DOD PROGRAMS SUMMARY TABLE)~~

Insert 107A

(DOLLARS IN THOUSANDS)

|  | BUDGET<br>REQUEST   | FINAL<br>BILL       |
|--|---------------------|---------------------|
| -----  |                     |                     |
| TITLE VI   |                     |                     |
| OTHER DEPARTMENT OF DEFENSE PROGRAMS                           |                     |                     |
| Defense Health Program   |                     |                     |
| Operation and maintenance.....                                 | 35,314,750          | 35,613,417          |
| Procurement.....   | 570,074             | 570,074             |
| Research, development, test and evaluation....                 | 1,047,350           | 3,041,610           |
| Total, Defense Health Program.....                             | -----<br>36,932,174 | -----<br>39,225,101 |
| Chemical Agents and Munitions Destruction,<br>Defense:         |                     |                     |
| Operation and maintenance.....                                 | 84,612              | 84,612              |
| Research, development, test and evaluation....                 | 975,206             | 975,206             |
| Total, Chemical Agents.....                                    | -----<br>1,059,818  | -----<br>1,059,818  |
| Drug Interdiction and Counter-Drug Activities,<br>Defense..... | 855,728             | 970,764             |
| Office of the Inspector General.....                           | 479,359             | 485,359             |
| Support for International Sporting Competitions...             | 10,377              | 10,377              |
|  | =====               | =====               |
| Total, title VI, Other Department of Defense<br>Programs.....  | 39,337,456<br>===== | 41,751,419<br>===== |

107A

DEFENSE HEALTH PROGRAM

The agreement provides \$39,225,101,000 for the Defense Health Program, as follows:

~~(INSERT PROJECT LEVEL TABLE)~~

INSCT 108A-C

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

|  | Budget Request    | Final Bill        |
|--|-------------------|-------------------|
| <b>OPERATION AND MAINTENANCE</b>   |                   |                   |
| <b>IN-HOUSE CARE</b>   | <b>9,906,943</b>  | <b>9,928,459</b>  |
| Baseline adjustment  |                   | -8,398            |
| Medical care contracts historic overestimation   |                   | -79,203           |
| Overestimated growth   |                   | -21,683           |
| Program increase - telehealth for military children and families   |                   | 15,000            |
| Cost index increase  |                   | 115,800           |
| <b>PRIVATE SECTOR CARE</b>   | <b>18,455,209</b> | <b>18,577,877</b> |
| Unjustified growth   |                   | -31,607           |
| Baseline adjustment  |                   | -18,925           |
| Cost index increase  |                   | 173,200           |
| <b>CONSOLIDATED HEALTH SUPPORT</b>   | <b>1,916,366</b>  | <b>1,897,536</b>  |
| Unjustified growth   |                   | -40,417           |
| Program increase - therapeutic service dog training program  |                   | 15,000            |
| Program increase - outdoor recreation and education activities   |                   | 5,000             |
| Program increase - armed forces medical examiner DNA testing to support POW/MIA efforts  |                   | 4,000             |
| Overestimated growth   |                   | -2,413            |
| <b>INFORMATION MANAGEMENT</b>  | <b>2,251,151</b>  | <b>2,315,570</b>  |
| Unjustified growth   |                   | -3,362            |
| Unjustified software cost growth   |                   | -59,419           |
| Transfer from BA08 software & digital technology pilot program   |                   | 127,200           |
| <b>MANAGEMENT ACTIVITIES</b>   | <b>338,678</b>    | <b>338,678</b>    |
| <b>EDUCATION AND TRAINING</b>  | <b>334,845</b>    | <b>359,345</b>    |
| Program increase - specialized medical pilot program   |                   | 2,500             |
| Program increase - Uniformed Services University of the Health Sciences fetal alcohol spectrum disorders prevention and clinical guidelines research |                   | 5,000             |
| Program increase - TriService nursing research program   |                   | 7,000             |
| Program increase - Uniformed Services University of the Health Sciences academic programs  |                   | 10,000            |
| <b>BASE OPERATIONS AND COMMUNICATIONS</b>  | <b>2,111,558</b>  | <b>2,195,952</b>  |
| Excess growth  |                   | -2,658            |
| Unjustified contract staffing growth   |                   | -4,174            |
| Other services cost overestimation   |                   | -16,193           |
| Excess to need   |                   | -3,581            |
| Cost index increase  |                   | 111,000           |
| <b>TOTAL, OPERATION AND MAINTENANCE</b>  | <b>35,314,750</b> | <b>35,613,417</b> |

108A

|   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>PROCUREMENT</b>  |                |                |
| <b>TOTAL, PROCUREMENT</b>   | <b>570,074</b> | <b>570,074</b> |
| <b>RESEARCH AND DEVELOPMENT</b>   |                |                |
| Program increase - optimizing military health and performance                                   |                | 7,000          |
| Program increase - vector borne health protection   |                | 5,000          |
| Program increase - brain injury and disease prevention research                                 |                | 65,000         |
| Program increase - individual occupational and environmental exposure monitoring                |                | 10,000         |
| Program increase - Uniformed Services University of the Health Sciences multi-domain operations |                | 30,000         |
| Program increase - clinical research  |                | 30,000         |
| Program increase - telemedicine and advanced technology research center                         |                | 2,000          |
| Program increase - joint civilian-medical surge facility  |                | 19,640         |
| Program increase - syndromic surveillance for emerging biothreats                               |                | 4,500          |
| Program increase - human performance optimization   |                | 10,000         |
| Program increase - global noncommunicable disease interventions                                 |                | 10,000         |
| Program increase - special operations TBI pilot program   |                | 4,000          |
| 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          |
| Program increase - wound management technology development                                      |                | 25,000         |
| Program increase - National Intrepid Center of Excellence creative arts therapy                 |                | 10,000         |
| Transfer from BA08 software & digital technology pilot program                                  |                | 10,156         |
| Restore core funding reduction  |                | 311,320        |
| Peer-reviewed alcohol and substance use disorders research                                      |                | 4,000          |
| Peer-reviewed ALS research  |                | 40,000         |
| Peer-reviewed alzheimer research  |                | 15,000         |
| Peer-reviewed autism research   |                | 15,000         |
| Peer-reviewed bone marrow failure disease research  |                | 7,500          |
| Peer-reviewed breast cancer research  |                | 150,000        |
| Peer-reviewed cancer research   |                | 130,000        |
| Peer-reviewed Duchenne muscular dystrophy research  |                | 10,000         |
| Peer-reviewed epilepsy research   |                | 12,000         |
| Peer-reviewed hearing restoration research  |                | 5,000          |
| Peer-reviewed kidney cancer research  |                | 50,000         |
| Peer-reviewed lung cancer research  |                | 25,000         |
| Peer-reviewed lupus research  |                | 10,000         |
| Peer-reviewed medical research  |                | 370,000        |
| Peer-reviewed melanoma research   |                | 40,000         |
| Peer-reviewed military burn research  |                | 10,000         |
| Peer-reviewed multiple sclerosis research   |                | 20,000         |
| Peer-Reviewed Neurofibromatosis research  |                | 25,000         |
| Peer-reviewed orthopedic research   |                | 30,000         |
| Peer-reviewed ovarian cancer research   |                | 45,000         |
| Peer-reviewed pancreatic cancer research  |                | 15,000         |
| Peer-reviewed Parkinson's research  |                | 16,000         |
| Peer-reviewed prostate cancer research  |                | 110,000        |
| Peer-reviewed rare cancers research   |                | 17,500         |
| Peer-reviewed reconstructive transplant research  |                | 12,000         |
| Peer-reviewed spinal cord research  |                | 40,000         |

108 B

|  | Budget Request    | Final Bill        |
|--|-------------------|-------------------|
| Peer-reviewed tickborne disease research                               |                   | 7,000             |
| Peer-reviewed toxic exposures research                                 |                   | 30,000            |
| Peer-reviewed traumatic brain injury and psychological health research |                   | 175,000           |
| Peer-reviewed tuberous sclerosis complex research                      |                   | 8,000             |
| Peer-reviewed vision research  |                   | 20,000            |
| Global HIV/AIDS prevention   |                   | 12,000            |
| HIV/AIDS program increase  |                   | 20,000            |
| Joint warfighter medical research                                      |                   | 25,000            |
| Orthotics and prosthetics outcome research                             |                   | 15,000            |
| Chronic pain management  |                   | 15,000            |
| Trauma clinical research program                                       |                   | 5,000             |
| Combat readiness medical research                                      |                   | 5,000             |
| <b>SOFTWARE &amp; TECHNOLOGY PILOT PROGRAMS</b>                        | <b>137,356</b>    | <b>0</b>          |
| Transfer to O&M line 40 and Research line 110                          |                   | -137,356          |
| <b>TOTAL, RESEARCH AND DEVELOPMENT</b>                                 | <b>909,994</b>    | <b>3,041,610</b>  |
| <b>TOTAL, DEFENSE HEALTH PROGRAM</b>                                   | <b>36,932,174</b> | <b>39,225,101</b> |

108C

#### REPROGRAMMING GUIDANCE FOR THE DEFENSE HEALTH PROGRAM

The agreement directs that the In-House Care and Private Sector Care budget sub-activities remain designated as congressional special interest items. Any transfer of funds into or out of these sub-activities requires the Secretary of Defense to follow prior approval reprogramming procedures. The Secretary of Defense is further directed to provide a report to the congressional defense committees not later than 30 days after the enactment of this Act that delineates transfers of funds and the dates they occurred from the Private Sector Care budget sub-activity to any other budget sub-activity in fiscal year 2022.

The Assistant Secretary of Defense for Health Affairs is directed to provide quarterly reports and 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. These reports shall also be made available to the Government Accountability Office.

#### CARRYOVER

The agreement provides one percent carryover authority for the Operation and Maintenance account of the Defense Health Program. The Assistant Secretary of Defense for Health Affairs is directed 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.

#### PEER-REVIEWED CANCER RESEARCH PROGRAM

The agreement provides \$130,000,000 for the peer-reviewed cancer research program to research cancers not addressed in the breast, pancreatic, prostate, ovarian, kidney, lung, melanoma, and rare cancer research programs.

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; colorectal cancer; endometrial cancer; esophageal cancer; germ cell cancers; head and neck cancer; liver cancer; lymphoma; mesothelioma; metastatic cancers; myeloma; neuroblastoma; pediatric brain tumors; pediatric, adolescent, and young adult cancers; sarcoma; stomach cancer; thyroid cancer; and Von Hippel-Lindau syndrome malignancies (excluding cancers of the kidney and pancreas).

The peer-reviewed cancer research program shall be used only for the purposes listed above. The inclusion of the individual rare cancer research program shall not prohibit the peer-reviewed cancer research program from funding the above-mentioned cancers or cancer subtypes that may be rare by definition. The report directed under this heading in House Report 117-88 is still required to be provided not later than 12 months after the enactment of this Act.

#### PEER-REVIEWED MEDICAL RESEARCH PROGRAM

The agreement provides \$370,000,000 for a peer-reviewed medical research program. The Secretary of Defense, in conjunction with the Service Surgeons General, is directed to select medical research projects of clear scientific merit and direct relevance to military health. Research areas considered under this funding are restricted to: arthritis, celiac disease, dystonia, eating disorders, eczema, Ehlers-Danlos syndrome, neuroinflammatory response 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, hemorrhage control, hepatitis B, hereditary ataxia, hydrocephalus, hypercholesterolemia, inflammatory bowel diseases, interstitial cystitis, lymphatic disease, lymphedema, malaria, maternal mental health, mitochondrial disease, myalgic encephalomyelitis/chronic fatigue syndrome, myotonic dystrophy, nephrotic syndrome, neuroactive steroids, non-opioid therapy for pain management, orthopedics, pancreatitis, peripheral neuropathy, polycystic kidney disease, pressure ulcers, proteomics, pulmonary fibrosis, respiratory health, rheumatoid arthritis, scleroderma, sickle-cell disease, sleep disorders and restriction, suicide prevention, trauma, tuberculosis, vascular malformations, and Von Hippel-Lindau syndrome benign manifestations. 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 Assistant Secretary of Defense for Health Affairs is directed to submit a report, not later than 12 months after the enactment of this Act, to the congressional defense committees that lists the projects that receive funding under the Joint Warfighter Medical Research Program. The report shall

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.

#### ELECTRONIC HEALTH RECORDS

The agreement directs the Secretary of Defense to provide a report to the congressional defense committees not later than 90 days after the enactment of this Act on the status of the installation of all remaining information technology and related infrastructure required to complete the deployment of the electronic health record system, including the timeline to complete installation and costs associated, if the Department accelerated the deployment timeline. The agreement 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. It is expected that the Program Executive Officer of Defense Healthcare Management Systems (PEO DHMS) will facilitate quarterly performance reviews by providing the Comptroller General with regular and in-depth access to the program.

The agreement directs the PEO DHMS 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 to better track the progress of resolving the issues identified in the initial deployment of MHS GENESIS. The PEO DHMS, in conjunction with the Director of the Interagency Program Office 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 of the program, including indirect costs being funded outside of the DHMS Modernization Electronic Health Record program and schedule of the program, to include milestones, knowledge points, and acquisition timelines, as well as quarterly obligation reports.

#### PEER-REVIEWED TOXIC EXPOSURES RESEARCH PROGRAM

The agreement provides \$30,000,000 for the peer-reviewed toxic exposures research program. The funds provided in this program are directed to be used to conduct research of clear scientific merit and direct relevance to neurotoxin exposure; Gulf War illness and its treatment; airborne hazards and burn pits; as well as toxic military exposures in general, including prophylactic medications, pesticides,

organophosphates, toxic industrial chemicals, materials, metals, and minerals. The agreement directs the Director of Congressionally Directed Medical Research Programs, to ensure that the program is conducted using competitive selection and peer-review for the identification of research with the highest technical merit and military benefit. Further, the agreement directs that this program be coordinated with similar activities in the Department of Veterans Affairs. Collaborations between researchers at military or veteran institutions and non-military research institutions are encouraged to leverage the knowledge, infrastructure, and access to military and veteran populations. The inclusion of the toxic exposures research program shall not prohibit research in any other congressionally directed research program that may be associated with conditions or health abnormalities which may have been the result of toxic exposures.

#### MILITARY TREATMENT FACILITY TRANSITION

The Comptroller General is directed to provide the congressional defense committees a report not later than 180 days after the enactment of this Act on the status of the transition of military treatment facilities to the Defense Health Agency (DHA). The report shall include a review of functions at facilities that have already transitioned, including DHA's role or management and the administration support that the military Services are providing, and a timeline for that support to cease; cost implications of the transition, including the Department's plan for maximizing efficiencies and reducing duplication; the current and planned DHA staffing model; and how the DHA will ensure that the Services' Medical requirements are considered and met.

Additionally, the Assistant Secretary of Defense for Health Affairs, along with the Director of the DHA and Service Secretaries, is directed to provide a briefing to the congressional defense committees not later than 60 days after the enactment of this Act, detailing the method and metrics used to evaluate medical and health contracts that had been funded within the Services for fiscal year 2021 and/or fiscal year 2022 to determine whether such contracts should be retained.

#### CHRONIC PAIN MANAGEMENT RESEARCH

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.

NEGATIVE AIR PRESSURE CONTAINMENT SYSTEMS

The Assistant Secretary of Defense for Health Affairs is directed to explore commercial-off-the-shelf portable and modular negative air room containment systems to increase readiness and capacity to respond to pandemics and biological events at Military Treatment Facilities (MTFs) worldwide, and is further directed 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 of modular negative air room containment system requirements in MTFs as well as a detailed recommendations for the resources and acquisition of necessary systems.

CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

The agreement provides \$1,059,818,000 for Chemical Agents and Munitions Destruction, Defense, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

|  | Budget Request   | Final Bill       |
|--|------------------|------------------|
| OPERATION AND MAINTENANCE  | 84,612           | 84,612           |
| RESEARCH, DEVELOPMENT, TEST AND EVALUATION                       | 975,206          | 975,206          |
| <b>TOTAL, CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE</b> | <b>1,059,818</b> | <b>1,059,818</b> |

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

The agreement provides \$970,764,000 for Drug Interdiction and Counter-Drug Activities, Defense, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS  
[In thousands of dollars]

|  | Budget Request | Final Bill     |
|--|----------------|----------------|
| <b>COUNTER-NARCOTICS SUPPORT</b>                                     | <b>619,474</b> | <b>614,510</b> |
| Program decrease - Project 1387                                      |                | -6,644         |
| Program increase - USNORTHCOM and USSOUTHCOM operations              |                | 1,680          |
| <b>DRUG DEMAND REDUCTION PROGRAM</b>                                 | <b>130,060</b> | <b>130,060</b> |
| <b>NATIONAL GUARD COUNTER-DRUG PROGRAM</b>                           | <b>100,316</b> | <b>200,316</b> |
| Program increase   |                | 100,000        |
| <b>NATIONAL GUARD COUNTER-DRUG SCHOOLS</b>                           | <b>5,878</b>   | <b>25,878</b>  |
| Program increase   |                | 20,000         |
| <b>TOTAL, DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE</b> | <b>855,728</b> | <b>970,764</b> |

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

The Secretary of Defense is directed to ensure that international programs requested and supported by this account do not duplicate programs funded by the Defense Security Cooperation Agency in the Operation and Maintenance, Defense-Wide account. Any congressional notification submitted pursuant to 10 U.S.C. 284 shall identify any resources within the Operation and Maintenance, Defense-Wide account that are allocated for similar or related purposes.

The Secretary of Defense is directed to provide quarterly reports to the House and Senate Appropriations Committees on the use and status of funds provided under this heading, including information for each project as identified in the Project Definitions (PB 47) budget exhibit of the fiscal year 2023 budget justification materials and other documentation supporting the fiscal year 2023 budget request. The report shall be submitted in unclassified form but may be accompanied by a classified annex.

OFFICE OF THE INSPECTOR GENERAL

The agreement provides \$485,359,000 for the Office of the Inspector General, as follows:

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

|   | Budget Request | Final Bill     |
|---|----------------|----------------|
| <b>OPERATION AND MAINTENANCE</b>                  | <b>474,650</b> | <b>480,650</b> |
| Program increase                                  |                | 6,000          |
| <b>OPERATION AND MAINTENANCE, CYBER</b>           | <b>1,321</b>   | <b>1,321</b>   |
| <b>PROCUREMENT</b>                                | <b>1,524</b>   | <b>1,524</b>   |
| <b>RESEARCH, DEVELOPMENT, TEST AND EVALUATION</b> | <b>1,864</b>   | <b>1,864</b>   |
| <b>Total, Office of the Inspector General</b>     | <b>479,359</b> | <b>485,359</b> |

QUARTERLY END STRENGTH AND EXECUTION REPORTS

The agreement directs the Department of Defense Inspector General 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 (FTE) as well as an estimate of fiscal year end strength and fiscal year FTE. 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

The agreement provides \$10,377,000 for Support for International Sporting Competitions.

**TITLE VII - RELATED AGENCIES**

The agreement provides \$1,076,265,000 in Title VII, Related Agencies, as follows:

~~(INSERT COMPUTER TABLE)~~

Insert 116A

(DOLLARS IN THOUSANDS)

BUDGET  
REQUEST

FINAL  
BILL

TITLE VII

RELATED AGENCIES

|   |           |           |
|---|-----------|-----------|
| Central Intelligence Agency Retirement and<br>Disability System Fund..... | 514,000   | 514,000   |
| Intelligence Community Management Account (ICMA)..                        | 635,000   | 562,265   |
|   | =====     | =====     |
| Total, title VII, Related agencies.....                                   | 1,149,000 | 1,076,265 |
|   | =====     | =====     |

116A

CLASSIFIED ANNEX

Adjustments to classified programs are addressed in a separate, detailed, and comprehensive classified annex. The Intelligence Community, the Department of Defense, and other organizations are expected to fully comply with the recommendations and directions in the classified annex accompanying the Department of Defense Appropriations Act, 2023.

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY SYSTEM FUND

The agreement provides \$514,000,000 for the Central Intelligence Agency Retirement and Disability Fund.

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

The agreement provides \$562,265,000, a decrease of \$72,735,000 below the fiscal year 2023 President's budget request, for the Intelligence Community Management Account.

## TITLE VIII – GENERAL PROVISIONS

Title VIII of the accompanying bill includes 144 general provisions. A brief description of each provision follows.

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

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

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

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

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

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

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

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

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

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

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

Section 8012 stipulates that civilian personnel of the Department of Defense may not be managed on the basis of end strength or be subject to end strength limitations.

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

Section 8014 restricts the use of funds to reduce or prepare to reduce the number of deployed and non-deployed strategic delivery vehicles and launchers.

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

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

Section 8017 prohibits funds made available in this Act for the support of any non-appropriated activity of the Department of Defense that procures malt beverages and wine except under certain conditions.

Section 8018 prohibits funds made available to the Department of Defense from being used to demilitarize or dispose of certain surplus firearms and small arms ammunition or ammunition components.

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

Section 8020 provides for incentive payments authorized by section 504 of the Indian Financing Act of 1974 (25 U.S.C. 1544).

Section 8021 provides for the conveyance, without consideration, of relocatable housing units that are excess to the needs of the Air Force.

Section 8022 provides for the availability of funds for the mitigation of environmental impacts on Indian lands resulting from Department of Defense activities.

Section 8023 provides that no funding for the Defense Media Activity may be used for national or international political or psychological activities.

Section 8024 provides funding in the Army's Working Capital Fund to maintain competitive rates at the arsenals.

Section 8025 provides funding for the Civil Air Patrol Corporation.

Section 8026 prohibits funding from being used to establish new Department of Defense Federally Funded Research and Development Centers (FFRDCs), with certain limitations, and increases funding provided for FFRDCs. The agreement includes \$2.788 billion for the funding of FFRDCs. This funding level is based on the Administration's revised request of \$2.918 billion.

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

Section 8028 defines the congressional intelligence committees as being the Permanent Select Committee on Intelligence of the House, the Select Committee on Intelligence of the Senate, and the Subcommittees on Defense of the House and Senate Appropriations Committees.

Section 8029 provides for competitions between private firms and Department of Defense depot maintenance activities.

Section 8030 requires the Department of Defense to comply with the Buy American Act, chapter 83 of title 41, United States Code.

Section 8031 provides for the Department of Defense to procure carbon, alloy, or armor steel plate melted and rolled only in the United States and Canada.

Section 8032 provides for the revocation of blanket waivers of the Buy American Act.

Section 8033 prohibits funding from being used for the procurement of ball and roller bearings other than those produced by a domestic source and of domestic origin.

Section 8034 appropriates funding for the National Defense Stockpile Transaction Fund.

Section 8035 prohibits funding from being used to purchase supercomputers which are not manufactured in the United States.

Section 8036 provides for a waiver of "Buy American" provisions for certain cooperative programs.

Section 8037 prohibits the use of funds for the purchase or manufacture of a United States flag unless such flags are treated as covered items under section 4862(b) of title 10, United States Code.

Section 8038 provides for the availability of funds contained in the Department of Defense Overseas Military Facility Investment Recovery Account.

Section 8039 provides authority to use operation and maintenance appropriations to purchase items having an investment item unit cost of not more than \$350,000.

Section 8040 provides authority to use operation and maintenance appropriations for the Asia Pacific Regional Initiative Program.

Section 8041 prohibits the sale of tobacco products in military resale outlets below the most competitive price in the local community.

Section 8042 prohibits the use of Working Capital Funds to purchase specified investment items.

Section 8043 provides that none of the funds appropriated for the Central Intelligence Agency shall remain available for obligation beyond the current fiscal year except for funds appropriated for the Reserve for Contingencies, the Working Capital Fund, or other programs as specified.

Section 8044 provides funding for Sexual Assault Prevention and Response Programs.

Section 8045 places certain limitations on the use of funds made available in this Act to establish field operating agencies.

Section 8046 places restrictions on converting to contractor performance an activity or function of the Department of Defense unless it meets certain guidelines provided.

(RESCISSIONS)

Section 8047 provides for a total of \$1,083,849,000 in rescissions as follows:

2021 Appropriations:

Aircraft Procurement, Army:

ARL SEMA MODS..... 7,300,000

Other Procurement, Army:

Joint Information Environment..... 3,177,000

Aircraft Procurement, Air Force:

H-60..... 8,458,000

KC-46A MDAP..... 63,057,000

Combat Rescue Helicopter..... 44,289,000

2022 Appropriations:

Operation and Maintenance, Defense-Wide:

DSCA Security Cooperation..... 30,000,000

DSCA Coalition Support Funds..... 25,000,000

DSCA Border Security..... 50,000,000

Counter-ISIS Train and Equip Fund:

Counter-ISIS Train and Equip Fund.....65,000,000

Aircraft Procurement, Army:

ARL SEMA MODS.....9,437,000

Other Procurement, Army:

|  |             |
|--|-------------|
| Joint Effects Targeting System.....                      | 51,896,000  |
| Contract Writing System.....                             | 12,671,000  |
| Building, Pre-Fab, Relocatable.....                      | 6,977,000   |
| Shipbuilding and Conversion, Navy:                       |             |
| CVN Refueling Overhauls (AP).....                        | 191,000,000 |
| Service Craft.....                                       | 6,092,000   |
| Aircraft Procurement, Air Force:                         |             |
| E-3.....   | 30,000,000  |
| H-60.....  | 2,000,000   |
| KC-46A MDAP.....   | 31,514,000  |
| Combat Rescue Helicopter.....                            | 32,144,000  |
| B-52 TDL.....  | 14,200,000  |
| Compass Call.....  | 23,693,000  |
| E-8.....   | 6,600,000   |
| MQ-9 Mods.....   | 65,417,000  |
| Other Procurement, Air Force:                            |             |
| Classified Adjustment.....                               | 9,100,000   |
| Procurement, Space Force:                                |             |
| National Security Space Launch.....                      | 7,000,000   |
| Research, Development, Test and Evaluation, Army:        |             |
| Information Technology Development.....                  | 26,700,000  |
| Research, Development, Test and Evaluation, Air Force:   |             |
| Advanced Technology and Sensors (C-ABSAA)...             | 3,327,000   |
| AWACS.....   | 20,000,000  |
| HC/MC-130 Recap.....                                     | 30,000,000  |
| HH-60W Combat Rescue Helicopter.....                     | 14,400,000  |
| Stand-in Attack Weapon.....                              | 50,000,000  |
| Research, Development, Test and Evaluation, Space Force: |             |
| EO/IR Weather Systems.....                               | 35,400,000  |
| GPS III Follow-On.....                                   | 38,000,000  |

|   |            |
|---|------------|
| Next-Generation OPIR.....                       | 40,000,000 |
| No-Year Appropriations:                         |            |
| Defense Working Capital Funds:                  |            |
| Defense Counterintelligence and Security Agency |            |
| Working Capital Fund.....                       | 30,000,000 |

Section 8048 prohibits funds made available in this Act from being used to reduce authorized positions for military technicians (dual status) of the Army National Guard, Air National Guard, Army Reserve, and Air Force Reserve unless such reductions are a direct result of a reduction in military force structure.

Section 8049 prohibits funding from being obligated or expended for assistance to the Democratic People's Republic of Korea unless specifically appropriated for that purpose.

Section 8050 provides for reimbursement to the National Guard and reserve when members of the National Guard and reserve provide intelligence or counterintelligence support to the combatant commands, defense agencies, and joint intelligence activities.

Section 8051 prohibits the transfer of Department of Defense and Central Intelligence Agency drug interdiction and counter-drug activities funds to other agencies.

Section 8052 provides funding for Red Cross and United Services Organization grants.

Section 8053 provides funds for the Small Business Innovation Research program and the Small Business Technology Transfer program.

Section 8054 prohibits funding from being used for contractor bonuses being paid due to business restructuring.

Section 8055 provides transfer authority for the pay of military personnel in connection with support and services for eligible organizations and activities outside the Department of Defense.

Section 8056 provides for the Department of Defense to dispose of negative unliquidated or unexpended balances for expired or closed accounts.

Section 8057 provides conditions for the use of equipment of the National Guard Distance Learning Project on a space-available, reimbursable basis.

Section 8058 limits funds for the retirement of C-40 aircraft.

Section 8059 provides for the limitation on the use of funds appropriated in title IV to procure end-items for delivery to military forces for operational training, operational use or inventory requirements.

Section 8060 prohibits funding in this Act from being used for repairs or maintenance to military family housing units.

Section 8061 provides obligation authority for new starts for advanced concept technology demonstration projects only after notification to the congressional defense committees.

Section 8062 provides that the Secretary of Defense shall provide a classified quarterly report on certain matters as directed in the classified annex accompanying this Act.

Section 8063 provides for the use of National Guard personnel to support ground-based elements of the National Ballistic Missile Defense System.

Section 8064 prohibits the use of funds made available in this Act to transfer to any nongovernmental entity ammunition held by the Department of Defense that has a center-fire cartridge and is designated as "armor piercing" except for demilitarization purposes.

Section 8065 provides for a waiver by the Chief of the National Guard Bureau or his designee for all or part of consideration in cases of personal property leases of less than one year.

Section 8066 provides for the transfer of funds made available in this Act under Operation and Maintenance, Army to other activities of the federal government for classified purposes.

Section 8067 prohibits funding to separate, or to consolidate from within, the National Intelligence Program budget from the Department of Defense budget.

Section 8068 provides funding to expand cooperation or improve the capabilities of allies and partners in the United States Africa Command and the United States Southern Command areas of responsibilities.

Section 8069 provides the authority to transfer funding from operation and maintenance accounts for the Army, Navy, and Air Force to the central fund for Fisher Houses and Suites.

Section 8070 provides for the transfer of funds made available in this Act under Operation and Maintenance, Navy to the John C. Stennis Center for Public Service Development Trust Fund.

Section 8071 prohibits the modification of command and control relationships to give Fleet Forces Command operational and administrative control of United States Navy forces assigned to the Pacific fleet.

Section 8072 requires notification for the rapid acquisition and deployment of supplies and associated support services.

Section 8073 provides funding and transfer authority for the Israeli Cooperative Programs.

Section 8074 provides for the funding of prior year shipbuilding cost increases.

Section 8075 provides that funds made available in this Act for intelligence and intelligence-related activities not otherwise authorized by the Intelligence Authorization Act for the current fiscal year are deemed to be specifically authorized by Congress for purposes of section 504 of the National Security Act of 1947.

Section 8076 prohibits funding from being used to initiate a new start program without prior written notification.

Section 8077 provides grant authority for the construction and furnishing of additional Fisher Houses to meet the needs of military family members when confronted with the illness or hospitalization of an eligible military beneficiary.

Section 8078 prohibits funding from being used for the research, development, test, evaluation, procurement, or deployment of nuclear armed interceptors of a missile defense system.

Section 8079 prohibits funds for the decommissioning of certain ships.

Section 8080 prohibits funding from being used to reduce or disestablish the operation of the 53<sup>rd</sup> Weather Reconnaissance Squadron of the Air Force Reserve.

Section 8081 prohibits funding from being used for the integration of foreign intelligence information unless the information has been lawfully collected and processed during conduct of authorized foreign intelligence activities.

Section 8082 prohibits funding from being used to transfer program authority relating to current tactical unmanned aerial vehicles from the Army and requires the Army to retain responsibility for and operational control of the MQ-1C Unmanned Aerial Vehicle.

Section 8083 limits the availability of funding provided for the Office of the Director of National Intelligence beyond the current fiscal year, except for funds appropriated for research and technology, which shall remain available for the current and the following fiscal years.

Section 8084 provides limitations on the Shipbuilding and Conversion, Navy appropriation.

Section 8085 provides for the establishment of a baseline for application of reprogramming and transfer authorities for the Office of the Director of National Intelligence for the current fiscal year.

Section 8086 places limitations on the reprogramming of funds from the Department of Defense Acquisition Workforce Development Account.

Section 8087 provides for limitations on funding provided for the National Intelligence Program to be available for obligation or expenditure through a reprogramming or transfer of funds in accordance with section 102A(d) of the National Security Act of 1947 (50 U.S.C. 3024(d)).

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

Section 8089 prohibits the use of funds for federal contracts in excess of \$1,000,000 unless the contractor meets certain conditions.

Section 8090 provides funds for transfer to the Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund.

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

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

Section 8093 provides the Director of National Intelligence with general transfer authority with certain limitations.

Section 8094 authorizes the use of funds in the Shipbuilding and Conversion, Navy account to purchase two used auxiliary vessels for the National Defense Reserve Fleet.

Section 8095 directs the Secretary of Defense to post grant awards on a public Web site in a searchable format.

Section 8096 prohibits the use of funds by the National Security Agency targeting United States persons under authorities granted in the Foreign Intelligence Surveillance Act.

Section 8097 places restrictions on transfer amounts available to pay salaries for non-Department of Defense personnel.

Section 8098 provides that operation and maintenance funds may be used for any purposes related to the National Defense Reserve Fleet.

Section 8099 prohibits the use of funds for gaming or entertainment that involves nude entertainers.

Section 8100 prohibits the use of funds to award a new TAO Fleet Oiler or FFG Frigate program contract for the acquisition of certain components unless those components are manufactured in the United States.

Section 8101 prohibits funds for the development and design of certain future naval ships unless any contract specifies that all hull, mechanical, and electrical components are manufactured in the United States.

Section 8102 prohibits certain transfers from the Department of Defense Acquisition Workforce Development Account.

Section 8103 provides for the procurement of certain vehicles in the United States Central Command area.

Section 8104 prohibits the use of funding for information technology systems that do not have pornographic content filters.

Section 8105 places restrictions on the use of funding for military parades.

Section 8106 prohibits funds in the Act from being used to enter into a contract or provide a loan to any corporation that has any unpaid Federal tax liability.

Section 8107 provides funds for agile development, test and evaluation, procurement, production and modification, and the operation and maintenance for certain software pilot programs.

Section 8108 makes funds available through the Office of Local Defense Community Cooperation for transfer to the Secretary of Education, to make grants to construct, renovate, repair, or expand elementary and secondary public schools on military installations.

Section 8109 prohibits the use of funding in contravention of the United Nations Convention Against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment.

Section 8110 provides security assistance for Ukraine.

Section 8111 provides for the obligation of funds in anticipation of receipt of contributions from the Government of Kuwait.

Section 8112 provides funding for International Security Cooperation Programs.

Section 8113 provides funding to reimburse certain countries for border security.

Section 8114 prohibits funding from being used in contravention of the War Powers Resolution.

Section 8115 prohibits funding from being used in violation of the Child Soldiers Prevention Act of 2008.

Section 8116 prohibits funds for any member of the Taliban.

Section 8117 provides that certain support to friendly foreign countries be made in accordance with section 8005 of this Act.

Section 8118 prohibits funds from being used to enter into a contract with Rosoboronexport.

Section 8119 provides funding and the authority to address the issues at Red Hill Bulk Fuel Storage Facility.

Section 8120 authorizes the Secretary of Defense to transfer funds for the Bien Hoa dioxin cleanup in Vietnam.

Section 8121 provides additional appropriations to reflect revised economic assumptions.

Section 8122 reflects savings due to favorable foreign exchange rates.

Section 8123 allows for the transfer of equipment to those authorized to receive assistance under the Counter-ISIS Train and Equip Fund.

Section 8124 provides funding to reimburse key cooperating nations for logistical, military, and other support.

Section 8125 provides guidance on the implementation of the Policy for Assisted Reproductive Services for the Benefit of Seriously or Severely Ill/Injured Active Duty Service Members.

Section 8126 prohibits funds from being used to transfer the National Reconnaissance Office to the Space Force.

Section 8127 provides the authority for the Edward M. Kennedy Institute for the Senate to use certain funds for facility operations and maintenance, and program activities.

Section 8128 requires notification of the receipt of contributions from foreign governments.

Section 8129 requires the Chairman of the Joint Chiefs to report on any unplanned activity or exercise.

Section 8130 requires notification if a foreign base is opened or closed.

Section 8131 prohibits the use of funds with respect to Iraq in contravention of the War Powers Resolution.

Section 8132 prohibits the use of funds with respect to Syria in contravention of the War Powers Resolution.

Section 8133 provides that nothing in this Act may be construed as authorizing the use of force against Iran or North Korea.

Section 8134 prohibits the establishment of permanent bases in Iraq or Afghanistan or United States control over Iraq or Syria oil resources.

Section 8135 prohibits the use of funding under certain headings to procure or transfer man-portable air defense systems.

Section 8136 provides security assistance to the Government of Jordan.

Section 8137 prohibits the use of funds to be used to support any activity associated with the Wuhan Institute of Virology.

Section 8138 prohibits the use of funds to provide arms, training, or other assistance to the Azov Battalion.

Section 8139 prohibits the use of funds to transfer, release, or assist in the transfer or release to or within the United States of certain detainees.

Section 8140 prohibits the use of funds to transfer any individual detained at United States Naval Station Guantanamo Bay, Cuba, to the custody or control of the individual's country of origin or any other foreign country.

Section 8141 prohibits the use of funds to construct, acquire, or modify any facility in the United States to house any individual detained at United States Naval Station Guantanamo Bay, Cuba.

Section 8142 prohibits the use of funds to carry out the closure of the United States Naval Station Guantanamo Bay, Cuba.

Section 8143 prohibits funds for any work to be performed by EcoHealth Alliance, Inc. in China on research supported by the Government of the People's Republic of China.

Section 8144 directs the Secretary of Defense to allocate amounts made available from the Creating Helpful Incentives to Produce Semiconductors (CHIPS) for America Defense Fund for fiscal year 2023 as follows:

DEPARTMENT OF DEFENSE ALLOCATION OF FUNDS: CHIPS AND SCIENCE ACT FISCAL YEAR 2023

Research, Development, Test and Evaluation, Defense-Wide

Budget Activity 02, Applied Research:

Microelectronics Commons.....65,062,000

Budget Activity 03, Advanced Technology Development:

Microelectronics Commons .....269,256,000  
Budget Activity 04, Advanced Component Development and Prototypes:  
Microelectronics Commons .....65,682,000

DISCLOSURE OF EARMARKS AND CONGRESSIONALLY DIRECTED SPENDING ITEMS

Following is a list of congressional earmarks and congressionally directed spending items (as defined in clause 9 of rule XXI of the Rules of the House of Representatives and rule XLIV of the Standing Rules of the Senate, respectively) included in the bill or this explanatory statement, along with the name of each House Member, Senator, Delegate, or Resident Commissioner who submitted a request to the Committee of jurisdiction for each item so identified. For each item, a Member is required to provide a certification that neither the Member nor the Member's immediate family has a financial interest, and each Senator is required to provide a certification that neither the Senator nor the Senator's immediate family has a pecuniary interest in such congressionally directed spending item. Neither the bill nor the explanatory statement contains any limited tax benefits or limited tariff benefits as defined in the applicable House and Senate rules.

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DEFENSE  
[Community Project Funding]

| Agency       | Account | Recipient   | Project   | Amount      | Requestor(s)      | Origination |
|--------------|---------|---|---|-------------|-------------------|-------------|
| Army         | RDTE,A  | Georgia Southern University, Statesboro, GA                               | Soldier Performance and Readiness   | \$5,680,000 | Carter (GA)       | H           |
| Army         | RDTE,A  | University of Georgia, Athens, GA   | Expanding Engineering with Nature Installation Capacity   | 5,000,000   | Carter (GA)       | H           |
| Army         | RDTE,A  | Texas A&M University—Central Texas, Killeen, TX                           | Operational Test Command Enhanced Support   | 3,900,000   | Carter (TX)       | H           |
| Army         | RDTE,A  | Pennington Biomedical Research Center, Baton Rouge, LA                    | Center for Excellence in Military Health and Performance Enhancement  | 5,000,000   | Graves (LA)       | H           |
| Army         | RDTE,A  | Florida State University, Tallahassee, FL                                 | Heated Garment Testing Equipment for Warfighters  | 180,890     | Lawson (FL)       | H           |
| Army         | RDTE,A  | The Miami Project to Cure Paralysis at the University of Miami, Miami, FL | U.S. Army Battlefield Exercise and Combat Related Traumatic Brain and Spinal Cord Injury Research   | 1,700,000   | Wasserman Schultz | H           |
| Defense-Wide | RDTE,DW | Institute for Digital Enterprise Advancement, Huntsville, AL              | Systems Engineering Technology Apprenticeship and Internship Program  | 1,200,000   | Aderholt          | H           |
| Defense-Wide | RDTE,DW | Bioindustrial Manufacturing and Design Ecosystem, Emeryville, CA          | Scalable comprehensive workforce readiness initiatives in bioindustrial manufacturing that lead to regional bioeconomic transformation and growth | 5,000,000   | Garamendi         | H           |
| Defense-Wide | RDTE,DW | University of Maine, Orono, ME  | Partnerships for Manufacturing Training Innovation  | 7,000,000   | Golden            | H           |
| Defense-Wide | RDTE,DW | Virginia Polytechnic Institute and State University, Blacksburg, VA       | Research and Development of Next Generation Explosives and Propellants  | 2,000,000   | Griffith          | H           |
| Defense-Wide | RDTE,DW | University of Rhode Island Research Foundation, Kingston, RI              | SEA (Secure Email Access) Share   | 1,240,000   | Langevin          | H           |
| Defense-Wide | RDTE,DW | Prairie View A&M University, Prairie View, TX                             | Integrated Research and Training in Artificial Intelligence and Machine Learning for ROTC Students  | 500,000     | McCaul            | H           |

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## DEFENSE—Continued

[Community Project Funding]

| Agency       | Account | Recipient                                       | Project   | Amount    | Requestor(s) | Origination |
|--------------|---------|---|---|-----------|--------------|-------------|
| Defense-Wide | RDTE,DW | Florida International University, Miami, FL     | Central American Open Source Research Initiative and Coalition                              | 1,300,000 | Salazar      | H           |
| Navy         | RDTE,N  | NYNJ Baykeeper, Hazlet, NJ                      | Enhancing Installation Resiliency at Naval Weapons Station Earle                            | 2,500,000 | Pallone      | H           |
| Navy         | RDTE,N  | Auburn University, Auburn, AL                   | High-Energy Density and High-Power Density Li-Ion Battery Magazines in Defense Applications | 8,000,000 | Rogers (AL)  | H           |
| Space Force  | RDTE,SF | Texas Engineering Experiment Station, Bryan, TX | Space Research Hub  | 4,000,000 | Sessions     | H           |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|   | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill<br>Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|---|--------------------|--------------------|--------------------------|--------------------------|--------------------------|
| -----   |                    |                    |                          |                          |                          |
| TITLE I   |                    |                    |                          |                          |                          |
| MILITARY PERSONNEL  |                    |                    |                          |                          |                          |
| Military Personnel, Army.....                                     | 47,814,079         | 50,305,255         | 49,628,305               | +1,814,226               | -676,950                 |
| CR Funding Military Personnel, Army - P.L. 117-86.....            | 33,263             | ---                | ---                      | -33,263                  | ---                      |
| Military Personnel, Navy.....                                     | 35,504,251         | 36,629,226         | 36,706,395               | +1,202,144               | +77,169                  |
| CR Funding Military Personnel, Navy - P.L. 117-86.....            | 91,327             | ---                | ---                      | -91,327                  | ---                      |
| Military Personnel, Marine Corps.....                             | 14,572,400         | 15,330,068         | 15,050,088               | +477,688                 | -279,980                 |
| CR Funding Military Personnel, Marine Corps - P.L.<br>117-86..... | 5,206              | ---                | ---                      | -5,206                   | ---                      |
| Military Personnel, Air Force.....                                | 35,078,206         | 35,140,287         | 35,427,788               | +349,582                 | +287,501                 |
| CR Funding Military Personnel, Air Force - P.L. 117-86.....       | 27,564             | ---                | ---                      | -27,564                  | ---                      |
| Military Personnel, Space Force.....                              | ---                | 1,117,361          | 1,109,400                | +1,109,400               | -7,961                   |
| Reserve Personnel, Army.....                                      | 5,156,976          | 5,384,686          | 5,212,834                | +55,858                  | -171,852                 |
| Reserve Personnel, Navy.....                                      | 2,297,029          | 2,410,777          | 2,400,831                | +103,802                 | -9,946                   |
| Reserve Personnel, Marine Corps.....                              | 802,619            | 849,942            | 826,712                  | +24,093                  | -23,230                  |
| Reserve Personnel, Air Force.....                                 | 2,371,001          | 2,519,878          | 2,457,519                | +86,518                  | -62,359                  |
| National Guard Personnel, Army.....                               | 9,017,728          | 9,324,813          | 9,232,554                | +214,826                 | -92,259                  |
| National Guard Personnel, Air Force.....                          | 4,764,443          | 5,127,335          | 4,913,538                | +149,095                 | -213,797                 |
|   | =====              | =====              | =====                    | =====                    | =====                    |
| Total, title I, Military Personnel.....                           | 157,536,092        | 164,139,628        | 162,965,964              | +5,429,872               | -1,173,664               |
|   | =====              | =====              | =====                    | =====                    | =====                    |
| Total, including Tricare.....                                     | 166,873,267        | 173,882,628        | 172,708,964              | +5,835,697               | -1,173,664               |
|   | =====              | =====              | =====                    | =====                    | =====                    |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|   | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|---|--------------------|--------------------|------------|--------------------------|--------------------------|
| -----   |                    |                    |            |                          |                          |
| TITLE II  |                    |                    |            |                          |                          |
| OPERATION AND MAINTENANCE   |                    |                    |            |                          |                          |
| Operation and Maintenance, Army.....                                    | 55,016,103         | 58,119,056         | 59,015,977 | +3,999,874               | +896,921                 |
| CR Funding Operation and Maintenance, Army - P.L.<br>117-86.....        | 22,640             | ---                | ---        | -22,640                  | ---                      |
| Operation and Maintenance, Navy.....                                    | 62,480,035         | 66,158,951         | 68,260,046 | +5,780,011               | +2,101,095               |
| CR Funding Operation and Maintenance, Navy - P.L.<br>117-86.....        | 70,000             | ---                | ---        | -70,000                  | ---                      |
| Operation and Maintenance, Marine Corps.....                            | 9,185,430          | 9,660,944          | 9,891,998  | +706,568                 | +231,054                 |
| Operation and Maintenance, Air Force.....                               | 55,103,948         | 58,281,242         | 60,279,937 | +5,175,989               | +1,998,695               |
| Operation and Maintenance, Space Force.....                             | 3,435,212          | 4,034,658          | 4,086,883  | +651,671                 | +52,225                  |
| Operation and Maintenance, Defense-Wide.....                            | 45,864,202         | 48,479,016         | 49,574,779 | +3,710,577               | +1,095,763               |
| Counter-ISIS Train and Equip Fund (CTEF).....                           | 500,000            | 541,692            | 475,000    | -25,000                  | -66,692                  |
| CR Funding Operation and Maintenance Defense Wide -<br>P.L. 117-86..... | 100,000            | ---                | ---        | -100,000                 | ---                      |
| Operation and Maintenance, Army Reserve.....                            | 3,032,255          | 3,228,504          | 3,206,434  | +174,179                 | -22,070                  |
| Operation and Maintenance, Navy Reserve.....                            | 1,173,598          | 1,228,300          | 1,278,050  | +104,452                 | +49,750                  |
| Operation and Maintenance, Marine Corps Reserve.....                    | 294,860            | 304,233            | 347,633    | +52,773                  | +43,400                  |
| Operation and Maintenance, Air Force Reserve.....                       | 3,417,706          | 3,564,544          | 3,700,800  | +283,094                 | +136,256                 |
| Operation and Maintenance, Army National Guard.....                     | 7,714,473          | 8,157,237          | 8,299,187  | +584,714                 | +141,950                 |
| Operation and Maintenance, Air National Guard.....                      | 6,786,420          | 6,900,679          | 7,382,079  | +595,659                 | +481,400                 |
| United States Court of Appeals for the Armed Forces...                  | 15,589             | 16,003             | 16,003     | +414                     | ---                      |
| Environmental Restoration, Army.....                                    | 299,008            | 196,244            | 324,500    | +25,492                  | +128,256                 |
| Environmental Restoration, Navy.....                                    | 390,113            | 359,348            | 400,113    | +10,000                  | +40,765                  |
| Environmental Restoration, Air Force.....                               | 522,010            | 314,474            | 573,810    | +51,800                  | +259,336                 |
| Environmental Restoration, Defense-Wide.....                            | 10,979             | 8,924              | 10,979     | ---                      | +2,055                   |
| Environmental Restoration, Formerly Used Defense Sites                  | 292,580            | 227,262            | 317,580    | +25,000                  | +90,318                  |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|   | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill  | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|---|--------------------|--------------------|-------------|--------------------------|--------------------------|
| Overseas Humanitarian, Disaster, and Civic Aid.....                     | 160,051            | 112,800            | 170,000     | +9,949                   | +57,200                  |
| Cooperative Threat Reduction Account.....                               | 344,849            | 341,598            | 351,598     | +6,749                   | +10,000                  |
| Department of Defense Acquisition Workforce<br>Development Account..... | 56,679             | 53,791             | 111,791     | +55,112                  | +58,000                  |
| Red Hill Recovery Fund.....   | ---                | 1,000,000          | ---         | ---                      | -1,000,000               |
|   | =====              | =====              | =====       | =====                    | =====                    |
| Total, title II, Operation and Maintenance.....                         | 256,288,740        | 271,289,500        | 278,075,177 | +21,786,437              | +6,785,677               |
|   | =====              | =====              | =====       | =====                    | =====                    |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill  | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|-------------|--------------------------|--------------------------|
| TITLE III  |                    |                    |             |                          |                          |
| PROCUREMENT  |                    |                    |             |                          |                          |
| Aircraft Procurement, Army.....                                  | 3,295,431          | 2,849,655          | 3,847,834   | +552,403                 | +998,179                 |
| Missile Procurement, Army.....                                   | 3,460,064          | 3,761,915          | 3,848,853   | +388,789                 | +86,938                  |
| Procurement of Weapons and Tracked Combat Vehicles,<br>Army..... | 4,319,082          | 3,576,030          | 4,505,157   | +186,075                 | +929,127                 |
| Procurement of Ammunition, Army.....                             | 2,276,667          | 2,639,051          | 2,770,120   | +493,453                 | +131,069                 |
| Other Procurement, Army.....                                     | 9,453,524          | 8,457,509          | 8,668,148   | -785,376                 | +210,639                 |
| Aircraft Procurement, Navy.....                                  | 17,799,321         | 16,848,428         | 19,031,864  | +1,232,543               | +2,183,436               |
| Weapons Procurement, Navy.....                                   | 3,982,657          | 4,738,705          | 4,823,113   | +840,456                 | +84,408                  |
| Procurement of Ammunition, Navy and Marine Corps.....            | 845,289            | 1,052,292          | 920,884     | +75,595                  | -131,408                 |
| Shipbuilding and Conversion, Navy.....                           | 26,664,526         | 27,917,854         | 31,955,124  | +5,290,598               | +4,037,270               |
| Other Procurement, Navy.....                                     | 11,072,651         | 11,746,503         | 12,138,590  | +1,065,939               | +392,087                 |
| Procurement, Marine Corps.....                                   | 3,093,770          | 3,681,506          | 3,669,510   | +575,740                 | -11,996                  |
| Aircraft Procurement, Air Force.....                             | 18,383,946         | 18,517,428         | 22,196,175  | +3,812,229               | +3,678,747               |
| Missile Procurement, Air Force.....                              | 2,475,206          | 2,962,417          | 2,999,346   | +524,140                 | +36,929                  |
| Procurement of Ammunition, Air Force.....                        | 665,977            | 903,630            | 857,722     | +191,745                 | -45,908                  |
| Other Procurement, Air Force 1/.....                             | 26,615,079         | 25,848,831         | 28,034,122  | +1,419,043               | +2,185,291               |
| Procurement, Space Force.....                                    | 3,023,408          | 3,629,669          | 4,462,188   | +1,438,780               | +832,519                 |
| Procurement, Defense-Wide.....                                   | 6,177,561          | 5,245,500          | 6,139,674   | -37,887                  | +894,174                 |
| Defense Production Act Purchases.....                            | 388,327            | 659,906            | 372,906     | -15,421                  | -287,000                 |
| National Guard and Reserve Equipment.....                        | 950,000            | ---                | 1,000,000   | +50,000                  | +1,000,000               |
|  | =====              | =====              | =====       | =====                    | =====                    |
| Total, title III, Procurement.....                               | 144,942,486        | 145,036,829        | 162,241,330 | +17,298,844              | +17,204,501              |
|  | =====              | =====              | =====       | =====                    | =====                    |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|   | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill<br>Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|---|--------------------|--------------------|--------------------------|--------------------------|--------------------------|
| -----   |                    |                    |                          |                          |                          |
| TITLE IV  |                    |                    |                          |                          |                          |
| RESEARCH, DEVELOPMENT, TEST AND EVALUATION                          |                    |                    |                          |                          |                          |
| Research, Development, Test and Evaluation, Army.....               | 14,539,417         | 13,710,273         | 17,150,141               | +2,610,724               | +3,439,868               |
| Research, Development, Test and Evaluation, Navy.....               | 22,139,080         | 24,082,618         | 26,017,309               | +3,878,229               | +1,934,691               |
| Research, Development, Test and Evaluation, Air Force.              | 41,592,913         | 43,889,183         | 44,946,927               | +3,354,014               | +1,057,744               |
| Research, Development, Test and Evaluation, Space<br>Force.....     | 11,597,405         | 15,819,372         | 16,631,377               | +5,033,972               | +812,005                 |
| Research, Development, Test and Evaluation,<br>Defense-Wide.....    | 29,065,786         | 32,080,052         | 34,565,478               | +5,499,692               | +2,485,426               |
| Operational Test and Evaluation, Defense.....                       | 276,591            | 277,194            | 449,294                  | +172,703                 | +172,100                 |
|   | =====              | =====              | =====                    | =====                    | =====                    |
| Total, title IV, Research, Development, Test and<br>Evaluation..... | 119,211,192        | 129,858,692        | 139,760,526              | +20,549,334              | +9,901,834               |
|   | =====              | =====              | =====                    | =====                    | =====                    |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|------------|--------------------------|--------------------------|
| -----  |                    |                    |            |                          |                          |
| TITLE V  |                    |                    |            |                          |                          |
| REVOLVING AND MANAGEMENT FUNDS                   |                    |                    |            |                          |                          |
| Defense Working Capital Funds.....               | 2,017,000          | 1,329,895          | 1,654,710  | -362,290                 | +324,815                 |
| National Defense Stockpile Transaction Fund..... | ---                | 253,500            | ---        | ---                      | -253,500                 |
|  | =====              | =====              | =====      | =====                    | =====                    |
| Total, title V, Revolving and Management Funds.. | 2,017,000          | 1,583,395          | 1,654,710  | -362,290                 | +71,315                  |
|  | =====              | =====              | =====      | =====                    | =====                    |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill<br>Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|--------------------------|--------------------------|--------------------------|
| -----  |                    |                    |                          |                          |                          |
| TITLE VI   |                    |                    |                          |                          |                          |
| OTHER DEPARTMENT OF DEFENSE PROGRAMS                                   |                    |                    |                          |                          |                          |
| Defense Health Program   |                    |                    |                          |                          |                          |
| Operation and maintenance.....   | 33,957,986         | 35,314,750         | 35,613,417               | +1,655,431               | +298,667                 |
| Procurement.....   | 758,708            | 570,074            | 570,074                  | -188,634                 | ---                      |
| Research, development, test and evaluation.....                        | 2,633,488          | 1,047,350          | 3,041,610                | +408,122                 | +1,994,260               |
| Total, Defense Health Program.....                                     | 37,350,182         | 36,932,174         | 39,225,101               | +1,874,919               | +2,292,927               |
| 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            | 970,764                  | +45,115                  | +115,036                 |
| Office of the Inspector General.....                                   | 438,363            | 479,359            | 485,359                  | +46,996                  | +6,000                   |
| Support for International Sporting Competitions.....                   | ---                | 10,377             | 10,377                   | +10,377                  | ---                      |
| =====<br>Total, title VI, Other Department of Defense<br>Programs..... | 39,808,546         | 39,337,456         | 41,751,419               | +1,942,873               | +2,413,963               |
| =====  | =====              | =====              | =====                    | =====                    | =====                    |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|   | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|---|--------------------|--------------------|------------|--------------------------|--------------------------|
| -----   |                    |                    |            |                          |                          |
| TITLE VII   |                    |                    |            |                          |                          |
| RELATED AGENCIES  |                    |                    |            |                          |                          |
| Central Intelligence Agency Retirement and Disability<br>System Fund..... | 514,000            | 514,000            | 514,000    | ---                      | ---                      |
| Intelligence Community Management Account (ICMA).....                     | 587,100            | 635,000            | 562,265    | -24,835                  | -72,735                  |
|   | =====              | =====              | =====      | =====                    | =====                    |
| Total, title VII, Related agencies.....                                   | 1,101,100          | 1,149,000          | 1,076,265  | -24,835                  | -72,735                  |
|   | =====              | =====              | =====      | =====                    | =====                    |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill  | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|-------------|--------------------------|--------------------------|
| -----  |                    |                    |             |                          |                          |
| TITLE VIII   |                    |                    |             |                          |                          |
| GENERAL PROVISIONS   |                    |                    |             |                          |                          |
| Additional transfer authority (Sec. 8005).....                             | (6,000,000)        | (8,000,000)        | (6,000,000) | ---                      | (-2,000,000)             |
| Indian Financing Act incentives (Sec.8020).....                            | 25,000             | ---                | 25,000      | ---                      | +25,000                  |
| FFRDC (Sec. 8026).....   | -63,840            | ---                | -129,893    | -66,053                  | -129,893                 |
| National Defense Stockpile Transaction Fund (Sec.<br>8034).....            | 125,000            | ---                | 93,500      | -31,500                  | +93,500                  |
| Rescissions (Sec. 8047).....   | -3,305,725         | ---                | -1,083,849  | +2,221,876               | -1,083,849               |
| National grants (Sec. 8052).....   | 49,000             | ---                | 49,000      | ---                      | +49,000                  |
| O&M, Defense-wide transfer authority (Sec. 8055).....                      | (30,000)           | (30,000)           | (30,000)    | ---                      | ---                      |
| USSOUTHCOM and USSAFRICOM Allies and Partnership (Sec.<br>8068).....       | ---                | ---                | 200,000     | +200,000                 | +200,000                 |
| Fisher House O&M Army Navy Air Force transfer<br>authority (Sec.8069)..... | (11,000)           | (11,000)           | (11,000)    | ---                      | ---                      |
| John C. Stennis Center for Public Service Development<br>(Sec.8070).....   | (1,000)            | (1,000)            | (1,000)     | ---                      | ---                      |
| Fisher House Foundation (Sec.8077).....                                    | 5,000              | ---                | 5,000       | ---                      | +5,000                   |
| Defense Health O&M transfer authority (Sec. 8090).....                     | (137,000)          | (168,000)          | (168,000)   | (+31,000)                | ---                      |

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill     | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|----------------|--------------------------|--------------------------|
| Public Schools on Military Installations (Sec. 8108)..                       | 516,233            | ---                | 686,500        | +170,267                 | +686,500                 |
| Red Hill Recovery Fund (Sec. 8119).....                                      | ---                | ---                | 1,000,000      | +1,000,000               | +1,000,000               |
| Revised economic assumptions due to inflation (Sec.<br>8121).....            | ---                | ---                | 1,052,501      | +1,052,501               | +1,052,501               |
| Foreign Currency Fluctuations (Sec. 8122).....                               | ---                | ---                | -956,400       | -956,400                 | -956,400                 |
| Iron Dome .....  | 1,000,000          | ---                | ---            | -1,000,000               | ---                      |
| Red Hill .....   | 100,000            | ---                | ---            | -100,000                 | ---                      |
| Artificial Intelligence Workforce .....                                      | 50,000             | ---                | ---            | -50,000                  | ---                      |
| Space Force field operating agencies.....                                    | ---                | 25,000             | ---            | ---                      | -25,000                  |
| Improving Tactical Artificial Intelligence at the<br>Combatant Commands..... | 200,000            | ---                | ---            | -200,000                 | ---                      |
| <b>Total, title VIII, General Provisions.....</b>                            | <b>-1,299,332</b>  | <b>25,000</b>      | <b>941,359</b> | <b>+2,240,691</b>        | <b>+916,359</b>          |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|   | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|---|--------------------|--------------------|------------|--------------------------|--------------------------|
| -----   |                    |                    |            |                          |                          |
| OTHER APPROPRIATIONS  |                    |                    |            |                          |                          |
| EXTENDING GOVERNMENT FUNDING AND DELIVERING EMERGENCY<br>ASSISTANCT ACT, 2021 (PL 117-43) |                    |                    |            |                          |                          |
| DIVISION B - DISASTER RELIEF SUPPLEMENTAL<br>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                 | ---                      |
|   | =====              | =====              | =====      | =====                    | =====                    |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|   | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|---|--------------------|--------------------|------------|--------------------------|--------------------------|
| -----   |                    |                    |            |                          |                          |
| DIVISION C - AFGHANISTAN SUPPLEMENTAL APPROPRIATIONS<br>ACT, 2022                         |                    |                    |            |                          |                          |
| Operation and Maintenance   |                    |                    |            |                          |                          |
| Overseas Humanitarian, Disaster, and Civic Aid<br>(emergency).....                        | 2,200,000          | ---                | ---        | -2,200,000               | ---                      |
| General Provisions - This Title   |                    |                    |            |                          |                          |
|   | =====              | =====              | =====      | =====                    | =====                    |
| Total, Division C.....  | 2,200,000          | ---                | ---        | -2,200,000               | ---                      |
|   | =====              | =====              | =====      | =====                    | =====                    |
| Total, Extending Government Funding and<br>Delivering Emergency Assistance Act, 2021..... | 3,095,000          | ---                | ---        | -3,095,000               | ---                      |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|------------|--------------------------|--------------------------|
| -----  |                    |                    |            |                          |                          |
| FURTHER EXTENDING GOVERNMENT FUNDING ACT (P.L. 117-70)                       |                    |                    |            |                          |                          |
| DIVISION B - ADDITIONAL AFGHANISTAN SUPPLEMENTAL<br>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<br>(emergency).....           | 4,000,000          | ---                | ---        | -4,000,000               | ---                      |
|  | -----              | -----              | -----      | -----                    | -----                    |
| Total, FURTHER EXTENDING GOVERNMENT FUNDING ACT.                             | 4,312,000          | ---                | ---        | -4,312,000               | ---                      |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|   | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|---|--------------------|--------------------|------------|--------------------------|--------------------------|
| -----   |                    |                    |            |                          |                          |
| UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2022<br>(P.L. 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               | ---                      |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|------------|--------------------------|--------------------------|
| <hr/>  |                    |                    |            |                          |                          |
| 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<br>(emergency).....         | 31,100             | ---                | ---        | -31,100                  | ---                      |
| Research, Development, Test and Evaluation, Air Force<br>(emergency).....    | 47,500             | ---                | ---        | -47,500                  | ---                      |
| Research, Development, Test and Evaluation,<br>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)<br>(emergency).....      | 3,500,000          | ---                | ---        | -3,500,000               | ---                      |
| Total, UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2022..                       | 6,528,090          | ---                | ---        | -6,528,090               | ---                      |

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|------------|--------------------------|--------------------------|
| <b>ADDITIONAL UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT,<br/>2022 (P.L. 117-128)</b> |                    |                    |            |                          |                          |
| <b>Military Personnel</b>  |                    |                    |            |                          |                          |
| 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                   | ---                      |
| <b>Total.....</b>  | <b>15,053</b>      | <b>---</b>         | <b>---</b> | <b>-15,053</b>           | <b>---</b>               |
| <b>Operation and Maintenance</b>   |                    |                    |            |                          |                          |
| 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              | ---                      |
| <b>Total.....</b>  | <b>17,886,197</b>  | <b>---</b>         | <b>---</b> | <b>-17,886,197</b>       | <b>---</b>               |
| <b>Procurement</b>   |                    |                    |            |                          |                          |
| Missile Procurement, Army (emergency).....   | 350,970            | ---                | ---        | -350,970                 | ---                      |
| Procurement of Weapons and Tracked Combat Vehicles,<br>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                   | ---                      |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|------------|--------------------------|--------------------------|
| 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                 | ---                      |
| <b>Total</b> .....   | <b>1,274,060</b>   | <b>---</b>         | <b>---</b> | <b>-1,274,060</b>        | <b>---</b>               |
| <b>Research, Development, Test and Evaluation</b>                            |                    |                    |            |                          |                          |
| Research, Development, Test and Evaluation, Army<br>(emergency).....         | 128,700            | ---                | ---        | -128,700                 | ---                      |
| Research, Development, Test and Evaluation, Navy<br>(emergency).....         | 43,000             | ---                | ---        | -43,000                  | ---                      |
| Research, Development, Test and Evaluation, Air Force<br>(emergency).....    | 119,815            | ---                | ---        | -119,815                 | ---                      |
| Research, Development, Test and Evaluation,<br>Defense-Wide (emergency)..... | 72,103             | ---                | ---        | -72,103                  | ---                      |
| <b>Total</b> .....   | <b>363,618</b>     | <b>---</b>         | <b>---</b> | <b>-363,618</b>          | <b>---</b>               |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|   | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill    | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|---|--------------------|--------------------|---------------|--------------------------|--------------------------|
| -----   |                    |                    |               |                          |                          |
| 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            | ---                | ---           | -500,000                 | ---                      |
| Program protection strategies (Sec. 202) (emergency)...                 | 50,000             | ---                | ---           | -50,000                  | ---                      |
| Total, General Provisions.....  | 550,000            | ---                | ---           | -550,000                 | ---                      |
| -----   |                    |                    |               |                          |                          |
| Total, Additional Ukraine Supplemental<br>Appropriations Act, 2022..... | 20,103,793         | ---                | ---           | -20,103,793              | ---                      |
| -----   |                    |                    |               |                          |                          |
| DIVISION B - UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT,<br>2023           |                    |                    |               |                          |                          |
| DEPARTMENT OF DEFENSE   |                    |                    |               |                          |                          |
| Total, Division B - Ukraine Supplemental 5300.....                      | ---                | ---                | 7,810,497     | +7,810,497               | +7,810,497               |
| -----   |                    |                    |               |                          |                          |
| Total, Other Appropriations.....  | 34,038,883         | ---                | 7,810,497     | -26,228,386              | +7,810,497               |
| -----   |                    |                    |               |                          |                          |
| Grand total.....  | 762,981,882        | 762,162,500        | 806,020,247   | +43,038,365              | +43,857,747              |
| Appropriations.....   | (732,248,724)      | (762,162,500)      | (799,293,599) | (+67,044,875)            | (+37,131,099)            |
| Emergency appropriations.....   | (34,038,883)       | ---                | (7,810,497)   | (-26,228,386)            | (+7,810,497)             |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill   | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|--------------|--------------------------|--------------------------|
| Rescissions.....   | (-3,305,725)       | ---                | (-1,083,849) | (+2,221,876)             | (-1,083,849)             |
| (Transfer Authority).....  | (6,179,000)        | (8,210,000)        | (6,210,000)  | (+31,000)                | (-2,000,000)             |
| Overseas Humanitarian, Disaster, and Civic Aid (PL<br>117-180) (Sec. 122) (transfer out emergency)....                   | ---                | ---                | (-3,000,000) | (-3,000,000)             | (-3,000,000)             |
| United States emergency refugee and migration<br>assistance fund (PL 117-180) (Sec. 122) (by<br>transfer emergency)..... | ---                | ---                | (3,000,000)  | (+3,000,000)             | (+3,000,000)             |

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DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2023

(Amounts in thousands)

|  | FY 2022<br>Enacted | FY 2023<br>Request | Final Bill  | Final Bill<br>vs Enacted | Final Bill<br>vs Request |
|--|--------------------|--------------------|-------------|--------------------------|--------------------------|
| -----  |                    |                    |             |                          |                          |
| RECAPITULATION   |                    |                    |             |                          |                          |
| Title I - Military Personnel.....                          | 166,873,267        | 173,882,628        | 172,708,964 | +5,835,697               | -1,173,664               |
| Title II - Operation and Maintenance.....                  | 256,288,740        | 271,289,500        | 278,075,177 | +21,786,437              | +6,785,677               |
| Title III - Procurement.....                               | 144,942,486        | 145,036,829        | 162,241,330 | +17,298,844              | +17,204,501              |
| Title IV - Research, Development, Test and Evaluation..... | 119,211,192        | 129,858,692        | 139,760,526 | +20,549,334              | +9,901,834               |
| Title V - Revolving and Management Funds.....              | 2,017,000          | 1,583,395          | 1,654,710   | -362,290                 | +71,315                  |
| Title VI - Other Department of Defense Programs.....       | 39,808,546         | 39,337,456         | 41,751,419  | +1,942,873               | +2,413,963               |
| Title VII - Related Agencies.....                          | 1,101,100          | 1,149,000          | 1,076,265   | -24,835                  | -72,735                  |
| Title VIII - General Provisions.....                       | -1,299,332         | 25,000             | 941,359     | +2,240,691               | +916,359                 |
| Total, Department of Defense.....                          | 762,981,882        | 762,162,500        | 806,020,247 | +43,038,365              | +43,857,747              |
|  | =====              | =====              | =====       | =====                    | =====                    |
| Total, mandatory and discretionary.....                    | 763,026,882        | 762,202,500        | 806,060,247 | +43,033,365              | +43,857,747              |
|  | =====              | =====              | =====       | =====                    | =====                    |

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