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Subtitle A—Authorization Of Appropriations

SEC. 101. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2020 for procurement for the Army, the Navy and the Marine Corps, the Air Force, and Defense-wide activities, as specified in the funding table in section 4101.

Subtitle B—Army Programs

SEC. 111. AUTHORITY OF THE SECRETARY OF THE ARMY TO WAIVE CERTAIN LIMITATIONS RELATED TO THE DISTRIBUTED COMMON GROUND SYSTEM-ARMY INCREMENT 1.

Section 113(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2028) is amended by striking “Secretary of Defense” both places it appears and inserting “Secretary of the Army”.

Subtitle C—Navy Programs

SEC. 121. FORD-CLASS AIRCRAFT CARRIER COST LIMITATION BASELINES.

(a) IN GENERAL.—Chapter 863 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 8692. Ford-class aircraft carriers: cost limitation baselines

“(a) LIMITATION.—The total amounts obligated or expended from funds authorized to be appropriated or otherwise made available for Shipbuilding and Conversion, Navy, or for any other procurement account, may not exceed the following amounts for the following aircraft carriers:

“(1) \$13,224,000,000 for the construction of the aircraft carrier designated CVN–78.

“(2) \$11,398,000,000 for the construction of the aircraft carrier designated CVN–79.

“(3) \$12,202,000,000 for the construction of the aircraft carrier designated CVN–80.

“(4) \$12,451,000,000 for the construction of the aircraft carrier designated CVN–81.

“(b) EXCLUSION OF BATTLE AND INTERIM SPARES FROM COST LIMITATION.—The Secretary of the Navy shall exclude from the determination of the amounts set forth in subsection (a) the costs of the following items:

“(1) CVN–78 class battle spares.

“(2) Interim spares.

“(3) Increases attributable to economic inflation after December 1, 2018, not otherwise included in the amounts listed in subsection (a).

“(c) WRITTEN NOTICE AND BRIEFING ON CHANGE IN AMOUNT.—The Secretary of the Navy may adjust an amount listed in subsection (a) not fewer than 15 days after submitting written notice and providing a briefing to the congressional defense committees, each of which shall include the amount and rationale of any change and the resulting amount after such change.”

(b) *CLERICAL AMENDMENT.*—The table of sections at the beginning of chapter 863 of such title is amended by inserting after the item relating to section 8691 the following new item:

“8692. Ford-class aircraft carriers: cost limitation baselines.”.

(c) *REPEAL OF SUPERSEDED PROVISION.*—Section 122 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2104) is repealed.

SEC. 122. MODIFICATION OF ANNUAL REPORT ON COST TARGETS FOR CERTAIN AIRCRAFT CARRIERS.

Section 126(c) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2035) is amended—

(1) in the subsection heading, by striking “AND CVN–80” and inserting “, CVN–80, AND CVN–81”;

(2) in paragraph (1)—

(A) by striking “2021” and inserting “2032”; and

(B) by striking “costs described in subsection (b) for the CVN–79 and CVN–80” and inserting “cost targets for the CVN–79, the CVN–80, and the CVN–81”; and

(3) in paragraph (2)—

(A) in the matter preceding subparagraph (A), by striking “and the CVN–80” and inserting “, the CVN–80, and the CVN–81”

(B) in subparagraph (A), by striking “costs described in subsection (b)” and inserting “cost targets”;

(C) in subparagraph (F), by striking “costs specified in subsection (b)” and inserting “cost targets”; and

(D) in subparagraph (G), by striking “costs specified in subsection (b)” and inserting “cost targets”.

SEC. 123. REFUELING AND COMPLEX OVERHAULS OF THE U.S.S. JOHN C. STENNIS AND U.S.S. HARRY S. TRUMAN.

(a) *REFUELING AND COMPLEX OVERHAUL.*—The Secretary of the Navy shall carry out the nuclear refueling and complex overhaul of the U.S.S. John C. Stennis (CVN–74) and U.S.S. Harry S. Truman (CVN–75).

(b) *USE OF INCREMENTAL FUNDING.*—With respect to any contract entered into under subsection (a) for the nuclear refueling and complex overhauls of the U.S.S. John C. Stennis (CVN–74) and U.S.S. Harry S. Truman (CVN–75), the Secretary may use incremental funding for a period not to exceed six years after advance procurement funds for such nuclear refueling and complex overhaul effort are first obligated.

(c) *CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.*—Any contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for a fiscal year after fiscal year 2020 is subject to the availability of appropriations for that purpose for that later fiscal year.

SEC. 124. FORD CLASS AIRCRAFT CARRIER SUPPORT FOR F–35C AIRCRAFT.

Before completing the post-shakedown availability of the Ford class aircraft carrier designated CVN–79, the Secretary of the Navy shall ensure that the aircraft carrier is capable of operating and deploying with the F–35C aircraft.

SEC. 125. PROHIBITION ON USE OF FUNDS FOR REDUCTION OF AIRCRAFT CARRIER FORCE STRUCTURE.

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense may be obligated or expended to reduce the number of operational aircraft carriers of the Navy below the number specified in section 8062(b) of title 10, United States Code.

SEC. 126. MODIFICATION OF PROHIBITION ON AVAILABILITY OF FUNDS FOR NAVY WATERBORNE SECURITY BARRIERS.

Section 130 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) is amended—

(1) in subsection (a) by striking “for fiscal year 2019 may be obligated or expended to procure legacy waterborne security barriers for Navy ports” and inserting “for fiscal year 2019 or fiscal year 2020 may be obligated or expended to procure legacy waterborne security barriers for Navy ports, including as replacements for legacy barriers”;

(2) in subsection (c)(1), by inserting “of not more than 30 percent” after “replacement”; and

(3) by adding at the end the following new subsection:

“(d) NOTIFICATION.—Not later than 15 days after an exception is made pursuant to subsection (c)(2), the Secretary of the Navy shall submit a written notification to the congressional defense committees that includes—

“(1) the name and position of the government official who determined exigent circumstances exist;

“(2) a description of the exigent circumstances; and

“(3) a description of how waterborne security will be maintained until new waterborne security barriers are procured and installed.”.

SEC. 127. LHA REPLACEMENT AMPHIBIOUS ASSAULT SHIP PROGRAM.

(a) AUTHORITY TO USE INCREMENTAL FUNDING.—The Secretary of the Navy may enter into and incrementally fund a contract for detail design and construction of the LHA replacement ship designated LHA 9 and, subject to subsection (b), funds for payments under the contract may be provided from amounts authorized to be appropriated for the Department of Defense for Shipbuilding and Conversion, Navy, for fiscal years 2019 through 2025.

(b) CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.—A contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under the contract for any subsequent fiscal year is subject to the availability of appropriations for that purpose for such subsequent fiscal year.

(c) REPEAL OF OBSOLETE AUTHORITY.—Section 125 of the John Warner National Defense Authorization Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat. 2106) is repealed.

SEC. 128. STRATEGIC SEALIFT FLEET VESSEL.

(a) IN GENERAL.—Subject to the availability of appropriations, the Secretary of the Navy shall seek to enter into a contract for the construction of one sealift vessel.

(b) DELIVERY DATE.—The contract entered into under subsection (a) shall specify a delivery date for the sealift vessel of not later than September 30, 2026.

(c) DESIGN AND CONSTRUCTION REQUIREMENTS.—

(1) *USE OF EXISTING DESIGN.*—The design of the sealift vessel shall be based on a domestic or foreign design that exists as of the date of the enactment of this Act.

(2) *COMMERCIAL STANDARDS AND PRACTICES.*—Subject to paragraph (1), the sealift vessel may be constructed using commercial design standards and commercial construction practices that are consistent with the best interests of the Federal Government.

(3) *DOMESTIC SHIPYARD.*—The sealift vessel shall be constructed in a shipyard that is located in the United States.

(d) *CERTIFICATE AND ENDORSEMENT.*—The sealift vessel shall meet the requirements necessary to receive a certificate of documentation and a coastwise endorsement under chapter 121 of title 46, United States Code, and the Secretary of the Navy shall ensure that the completed vessel receives such a certificate and endorsement.

(e) *EXECUTIVE AGENT.*—

(1) *IN GENERAL.*—The Secretary of the Navy may seek to enter into a contract or other agreement with a private-sector entity under which the entity may act as executive agent for the Secretary for purposes of the contract under subsection (a).

(2) *RESPONSIBILITIES.*—The executive agent described in paragraph (1) may be responsible for—

(A) selecting a shipyard for the construction of the sealift vessel;

(B) managing and overseeing the construction of the sealift vessel; and

(C) such other matters as the Secretary of the Navy determines to be appropriate

(f) *USE OF INCREMENTAL FUNDING.*—With respect to the contract entered into under subsection (a), the Secretary of the Navy may use incremental funding to make payments under the contract.

(g) *SEALIFT VESSEL DEFINED.*—In this section, the term “sealift vessel” means the sealift vessel constructed pursuant to the contract entered into under subsection (a).

SEC. 129. DESIGN AND CONSTRUCTION OF AMPHIBIOUS TRANSPORT DOCK DESIGNATED LPD-31.

(a) *IN GENERAL.*—Using funds authorized to be appropriated for the Department of Defense for Shipbuilding and Conversion, Navy, the Secretary of the Navy may enter into a contract, beginning with the fiscal year 2020 program year, for the design and construction of the amphibious transport dock designated LPD-31.

(b) *USE OF INCREMENTAL FUNDING.*—With respect to the contract entered into under subsection (a), the Secretary may use incremental funding to make payments under the contract.

(c) *CONDITION FOR OUT-YEAR CONTRACT PAYMENTS.*—The contract entered into under subsection (a) shall provide that any obligation of the United States to make a payment under such contract for any fiscal year after fiscal year 2020 is subject to the availability of appropriations for that purpose for such later fiscal year.

SEC. 130. LIMITATION ON AVAILABILITY OF FUNDS FOR THE LITTORAL COMBAT SHIP.

(a) *LIMITATIONS.*—None of the funds authorized to be appropriated by this Act for fiscal year 2020 for the Department of Defense may be used to exceed, and the Department may not otherwise

exceed, the total procurement quantity of thirty-five Littoral Combat Ships, unless the Under Secretary of Defense for Acquisition and Sustainment submits to the congressional defense committees the certification described in subsection (b).

(b) *CERTIFICATION.*—The certification described in this subsection is a certification by the Under Secretary that awarding a contract for the procurement of a Littoral Combat Ship that exceeds the total procurement quantity listed in revision five of the Littoral Combat Ship acquisition strategy—

(1) is in the national security interests of the United States;

(2) will not result in exceeding the low-rate initial production quantity approved in the Littoral Combat Ship acquisition strategy in effect as of the date of the certification; and

(3) is necessary to maintain a full and open competition for the Guided Missile Frigate (FFG(X)) with a single source award in fiscal year 2020.

SEC. 131. LIMITATION ON THE NEXT NEW CLASS OF NAVY LARGE SURFACE COMBATANTS.

(a) *IN GENERAL.*—Milestone B approval may not be granted for the next new class of Navy large surface combatants unless the class of Navy large surface combatants incorporates prior to such approval—

(1) design changes identified during the full duration of the combat system ship qualification trials and operational test periods of the first Arleigh Burke-class destroyer in the Flight III configuration to complete such events; and

(2) final results of test programs of engineering development models or prototypes for critical systems specified by the Senior Technical Authority pursuant to section 8669b of title 10, United States Code, as added by section 1034 of this Act, in their final form, fit, and function and in a realistic environment, which shall include a land-based engineering site for the propulsion system.

(b) *LIMITATION.*—The Secretary of the Navy may not release a detail design or construction request for proposals or obligate funds from the Shipbuilding and Conversion, Navy account for the next new class of Navy large surface combatants until the class of Navy large surface combatants receives Milestone B approval and the milestone decision authority notifies the congressional defense committees, in writing, of the actions taken to comply with the requirements under subsection (a).

(c) *DEFINITIONS.*—In this section:

(1) The term “Milestone B approval” has the meaning given the term in section 2366(e)(7) of title 10, United States Code.

(2) The term “milestone decision authority” means the official within the Department of Defense designated with the overall responsibility and authority for acquisition decisions for the program, including authority to approve entry of the program into the next phase of the acquisition process.

(3) The term “large surface combatants” means Navy surface ships that are designed primarily to engage in attacks against airborne, surface, subsurface, and shore targets, excluding frigates and littoral combat ships.

SEC. 132. LIMITATION ON AVAILABILITY OF FUNDS PENDING QUARTERLY UPDATES ON THE CH-53K KING STALLION HELICOPTER PROGRAM.

(a) *LIMITATION.*—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for aircraft procurement, Navy, for the CH-53K King Stallion helicopter program, not more than 50 percent may be obligated or expended until a period of 30 days has elapsed following the date on which the Secretary of the Navy provides the first briefing required under subsection (b).

(b) *QUARTERLY BRIEFINGS REQUIRED.*—

(1) *IN GENERAL.*—Beginning not later than 30 days after the date of the enactment of this Act, and on a quarterly basis thereafter through the end of fiscal year 2022, the Secretary of the Navy shall provide to the Committees on Armed Services of the Senate and the House of Representatives a briefing on the progress of the CH-53K King Stallion helicopter program.

(2) *ELEMENTS.*—Each briefing under paragraph (1) shall include, with respect to the CH-53K King Stallion helicopter program, the following:

(A) An overview of the program schedule.

(B) A statement of the total cost of the program as of the date of the briefing, including the costs of development, testing, and production.

(C) A comparison of the total cost of the program relative to the approved acquisition program baseline.

(D) An assessment of flight testing under the program, including identification of the number of test events that have been conducted on-time in accordance with the joint integrated program schedule.

(E) An update on the correction of technical deficiencies under the program, including—

(i) identification of the technical deficiencies that have been corrected as of the date of the briefing;

(ii) identification of the technical deficiencies that have been discovered, but not corrected, as of such date;

(iii) an estimate of the total cost of correcting technical deficiencies under the program; and

(iv) an explanation of any significant deviations from the testing and program schedule that are anticipated due to the discovery and correction of technical deficiencies.

SEC. 133. LIMITATION ON AVAILABILITY OF FUNDS FOR VH-92A HELICOPTER.

(a) *LIMITATION.*—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for procurement for the VH-92A helicopter, not more than 80 percent may be obligated or expended until the date on which the Secretary of Navy submits to the Committees on Armed Services of the Senate and the House of Representatives the report required under subsection (b).

(b) *REPORT REQUIRED.*—The Secretary of the Navy shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report assessing the status of the VH-92A heli-

copter program industrial base and the potential impact of proposed manufacturing base changes on the acquisition program. The report shall include a description of—

(1) estimated effects on the manufacturing readiness level of the VH-92 program due to potential changes to the program manufacturing base;

(2) the estimated costs and assessment of cost risk to the program due to potential changes to the program manufacturing base;

(3) any estimated schedule impacts, including impacts on delivery dates for the remaining low-rate initial production lots and full rate production, resulting from any changes to the manufacturing base;

(4) an assessment of the effect of changes to the manufacturing base on VH-92A sustainment; and

(5) the impact of such changes on production and sustainment capacity for the MH-60 and CH-53K helicopters of the Navy.

SEC. 134. REPORT ON CARRIER WING AND AVIATION COMBAT ELEMENT COMPOSITION.

(a) *IN GENERAL.*—Not later than May 1, 2020, the Secretary of the Navy shall submit to the congressional defense committees a report on the optimal composition of the carrier air wing (CVW) on aircraft carriers and aviation combat element (ACE) embarked on amphibious ships in 2030 and 2040, including alternative force design concepts.

(b) *ELEMENTS.*—The report required under subsection (a) shall include the following elements for the CVW and ACE:

(1) Analysis and justification for the Department of the Navy's stated goal of a 50/50 mix of 4th and 5th generation aircraft for 2030.

(2) Analysis and justification for an optimal mix of aircraft for 2040.

(3) A plan for incorporating unmanned aerial vehicles and associated communication capabilities to effectively implement the future force design.

(4) Analysis of the support equipment requirement for each aircraft type and the space needed to accommodate such equipment.

(5) A description of existing and potential ship designs or design changes that would enable greater commonality and interoperability of embarked naval aircraft, including aircraft arresting gear and launch catapults.

(c) *BRIEFING.*—Not later than March 1, 2020, the Secretary of the Navy shall provide the congressional defense committees a briefing on the report required under subsection (a).

Subtitle D—Air Force Programs

SEC. 141. MODIFICATION OF REQUIREMENT TO PRESERVE CERTAIN C-5 AIRCRAFT.

Section 141(d) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112-239; 126 Stat. 1661) is amended—

(1) in paragraph (1), by striking “until the date that is 30 days after the date on which the briefing under section 144(b)

of the National Defense Authorization Act for Fiscal Year 2018 is provided to the congressional defense committees” and inserting “until the date that is 30 days after the date on which the final report and briefing required under section 1712(c)(2) of the National Defense Authorization Act for Fiscal Year 2020 have each been provided to the congressional defense committees”; and

(2) in paragraph (2)(A), by striking “can be returned to service” and inserting “is inducted into or maintained in type 1000 recallable storage”.

SEC. 142. OC-135B AIRCRAFT RECAPITALIZATION PROGRAM.

The Secretary of the Air Force shall ensure that any request for proposals for the procurement of an OC-135B aircraft under a recapitalization program for such aircraft meets the requirements for full and open competition as set forth in section 2304 of title 10, United States Code, and includes, as part of such request for proposals, consideration of proposals for the provision of new production aircraft and recently manufactured aircraft.

SEC. 143. REQUIREMENT TO ALIGN AIR FORCE AVIATION FORCE STRUCTURE WITH NATIONAL DEFENSE STRATEGY.

(a) **REQUIRED SUBMISSION OF STRATEGY.**—Not later than March 1, 2020, the Secretary of the Air Force shall submit to the congressional defense committees an aviation force structure acquisition strategy that aligns with the stated capability and capacity requirements of the Department of the Air Force to meet the National Defense Strategy.

(b) **ALIGNMENT WITH STRATEGY.**—The Secretary of the Air Force may not deviate from the strategy submitted under subsection (a) until—

(1) the Secretary receives a waiver from the Secretary of Defense, in consultation with the Chairman of the Joint Chiefs of Staff; and

(2) the Secretary of Defense provides the congressional defense committees with the waiver approval documentation.

SEC. 144. PROHIBITION ON AVAILABILITY OF FUNDS FOR REDUCTION IN KC-10 PRIMARY MISSION AIRCRAFT INVENTORY.

None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force may be obligated or expended to reduce the number of KC-10 aircraft in the primary mission aircraft inventory of the Air Force.

SEC. 145. LIMITATION ON AVAILABILITY OF FUNDS FOR F-15EX AIRCRAFT.

(a) **LIMITATION.**—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force may be obligated or expended to procure any F-15EX aircraft, other than the first two prototypes of such aircraft, until a period of 15 days has elapsed following the date on which the Secretary of the Air Force submits to the congressional defense committees a report on the following topics relating to the F-15EX program:

(1) Acquisition strategy.

(2) Cost and schedule estimates.

(3) Test and evaluation strategy.

(4) Logistics strategy.

- (5) Post-production fielding strategy.
 (b) **EXCEPTION FOR LONG-LEAD ITEMS.**—

(1) **IN GENERAL.**—Notwithstanding subsection (a), the Secretary of the Air Force may use the funds described in paragraph (2) to procure long-lead items for up to six additional F-15EX aircraft beyond the first two prototypes of such aircraft.

(2) **FUNDS DESCRIBED.**—The funds described in this paragraph are funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force for any of the following:

(A) Research and development, nonrecurring engineering.

(B) Aircraft procurement.

(c) **F-15EX PROGRAM DEFINED.**—In this section, the term “F-15EX program” means the F-15EX aircraft program of the Air Force as described in the materials submitted to Congress by the Secretary of Defense in support of the budget of the President for fiscal year 2020 (as submitted to Congress under section 1105(a) of title 21, United States Code).

SEC. 146. LIMITATION ON AVAILABILITY OF FUNDS FOR VC-25B AIRCRAFT.

(a) **LIMITATION.**—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 or any subsequent fiscal year for the Air Force may be obligated or expended to carry out over and above work on the VC-25B aircraft until a period of 30 days has elapsed following the date on which the Secretary of the Air Force notifies the congressional defense committees of the intent of the Secretary to authorize such work.

(b) **EXCEPTION.**—The limitation under subsection (a) shall not apply to over and above work carried out—

(1) to repair or replace items damaged during the testing of the VC-25B aircraft; or

(2) to make changes necessary to meet operational requirements.

(c) **DEFINITIONS.**—In this section:

(1) The term “operational requirements” means any of the operational requirements for the VC-25B aircraft described in the capability development document or the system requirements document for the Presidential Aircraft Recapitalization Program.

(2) The term “over and above work” means work performed pursuant to line 0012 (CLIN 0012) of the contract for Presidential Aircraft Recapitalization entered into between the Department of the Air Force and the Boeing Company (contract number FA8625-16-C-6599).

SEC. 147. LIMITATION ON AVAILABILITY OF FUNDS FOR RC-26B AIRCRAFT.

(a) **LIMITATION.**—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force may be obligated or expended to retire, divest, realign, or place in storage or on backup aircraft inventory status, or prepare to retire, divest, realign, or place in storage or backup inventory status, any RC-26B aircraft

until the date on which the Secretary of the Air Force submits to the congressional defense committees—

- (1) the report required under subsection (c); and
 - (2) the certification required under subsection (d).
- (b) **EXCEPTION.**—The limitation in subsection (a) shall not apply to individual RC-26B aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be no longer mission capable because of mishaps or other damage.
- (c) **REPORT REQUIRED.**—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report that includes the following:

- (1) A survey of any requirements for the Air Force to provide intelligence, surveillance, and reconnaissance support to other military forces and civil authorities that the Air Force and the Air National Guard meet using the RC-26B aircraft.
- (2) An assessment of the extent to which such requirements are appropriate for the Air Force to fulfill.
- (3) The manner in which the Secretary would meet such requirements if the RC-26B aircraft were to be retired.
- (4) A comparison of costs and effectiveness of alternative means of providing intelligence, surveillance, and reconnaissance support to other military forces and civil authorities.
- (5) An assessment of the utility of entering into one or more memoranda of agreement with other military forces and civil authorities to govern the process for providing intelligence, surveillance, and reconnaissance support to those forces and authorities.

(d) **CERTIFICATION REQUIRED.**—Not later than 60 days after the date on which the Secretary of the Air Force submits the report required under subsection (c), the Secretary shall certify to the congressional defense committees—

- (1) whether there are requirements for the Air Force to provide intelligence, surveillance, and reconnaissance support to other military forces and civil authorities that the Air Force meets using the RC-26B aircraft; and
- (2) whether the Secretary has identified methods of meeting such requirements that are more effective and more efficient than meeting such requirements through the use of the RC-26B aircraft.

SEC. 148. LIMITATION ON AVAILABILITY OF FUNDS FOR RETIREMENT OF RC-135 AIRCRAFT.

(a) **LIMITATION.**—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force may be obligated or expended to retire, or prepare to retire, any RC-135 aircraft until a period of 60 days has elapsed following the date on which the Secretary of Defense certifies to the congressional defense committees that—

- (1) technologies other than the RC-135 aircraft provide capacity and capabilities equivalent to the capacity and capabilities of the RC-135 aircraft; and
- (2) the capacity and capabilities of such other technologies meet the requirements of combatant commanders with respect to indications and warning, intelligence preparation of the oper-

ational environment, and direct support for kinetic and non-kinetic operations.

(b) *EXCEPTION.*—The limitation in subsection (a) shall not apply to individual RC-135 aircraft that the Secretary of the Air Force determines, on a case-by-case basis, to be no longer mission capable because of mishaps, other damage, or being uneconomical to repair.

SEC. 149. AIR FORCE AGGRESSOR SQUADRON MODERNIZATION.

(a) *SENSE OF CONGRESS.*—It is the sense of Congress that—

(1) it is critical that the Air Force has the capability to train against an advanced air adversary in order to be prepared for conflicts against a modern enemy force, and that in order to have this capability, the Air Force must have access to an advanced adversary force prior to United States adversaries fielding a 5th-generation operational capability; and

(2) the Air Force's plan to use low-rate initial production F-35As as aggressor aircraft reflects a recognition of the need to field a modernized aggressor fleet.

(b) *REPORT.*—

(1) *IN GENERAL.*—The Secretary of the Air Force may not transfer any low-rate initial production F-35 aircraft for use as aggressor aircraft until the Chief of Staff of the Air Force submits to the congressional defense committees a comprehensive plan and report on the strategy for modernizing its organic aggressor fleet.

(2) *ELEMENTS.*—The report required under paragraph (1) shall include the following elements:

(A) Potential locations for F-35A aggressor aircraft, including an analysis of installations that—

(i) have the size and availability of airspace necessary to meet flying operations requirements;

(ii) have sufficient capacity and availability of range space;

(iii) are capable of hosting advanced-threat training exercises; and

(iv) meet or require minimal addition to the environmental requirements associated with the basing action.

(B) An analysis of the potential cost and benefits of expanding aggressor squadrons currently operating 18 Primary Assigned Aircraft (PAA) to a level of 24 PAA each.

(C) An analysis of the cost and timelines associated with modernizing the current Air Force aggressor squadrons to include upgrading aircraft radar, infrared search-and-track systems, radar warning receiver, tactical datalink, threat-representative jamming pods, and other upgrades necessary to provide a realistic advanced adversary threat.

SEC. 150. AIR FORCE PLAN FOR COMBAT RESCUE HELICOPTER FIELDING.

(a) *SENSE OF CONGRESS.*—It is the sense of Congress that, given delays to Operational Loss Replacement (OLR) program fielding and the on-time fielding of Combat Rescue Helicopter (CRH), the Air National Guard should retain additional HH-60G helicopters

at Air National Guard locations to meet their recommended primary aircraft authorized (PAA) per the Air Force's June 2018 report on Air National Guard HH-60 requirements.

(b) *REPORT ON FIELDING PLAN.*—

(1) *IN GENERAL.*—Not later than 45 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report on its fielding plan for the CRH program.

(2) *ELEMENTS.*—The report required under paragraph (1) shall include the following elements:

(A) A description of the differences in capabilities between the HH-60G, OLR, and CRH helicopters.

(B) A description of the costs and risks associated with changing the CRH fielding plan to reduce or eliminate inventory shortfalls.

(C) A description of the measures for accelerating the program available within the current contract.

(D) A description of the operational risks and benefits associated with fielding the CRH to the active component first, including—

(i) how the differing fielding plan may affect deployment schedules;

(ii) what capabilities active-component units deploying with the CRH will have that reserve component units deploying with OLR will not; and

(iii) an analysis of the potential costs and benefits that could result from accelerating CRH fielding to all units through additional funding in the future years defense program.

(c) *REPORT ON TRAINING PLAN.*—

(1) *IN GENERAL.*—Not later than 45 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report on the plan to sustain training for initial-entry reserve component HH-60G pilots once the active component of the Air Force has received all of its CRH helicopters.

(2) *ELEMENTS.*—The report required under paragraph (1) shall include the following elements:

(A) Projected reserve component aircrew initial HH-60G/OLR qualification training requirements, by year.

(B) The number of legacy HH-60G/OLR helicopters required to continue providing initial HH-60G qualification training through the 150th Special Operations Wing at Kirtland Air Force Base.

(C) The number of personnel required to continue providing initial HH-60G/OLR qualification training through the 150th Special Operations Wing at Kirtland Air Force Base.

(D) The number of flying hours required per pilot to perform “differences training” at home station for initial entry HH-60 pilots receiving CRH training at Kirtland Air Force Base to become qualified in the HH-60G/OLR at their home station.

(E) The projected effect of using local flying training hours at reserve component units on overall unit training

readiness and ability to meet Ready Aircrew Program requirements.

SEC. 151. REPORT ON FEASIBILITY OF MULTIYEAR CONTRACT FOR PROCUREMENT OF JASSM-ER MISSILES.

(a) *IN GENERAL.*—Not later than March 31, 2020, the Secretary of the Air Force shall submit a report to the congressional defense committees assessing the feasibility of entering into a multiyear contract for procurement of JASSM-ER missiles starting in fiscal year 2022.

(b) *ELEMENTS.*—The report required under subsection (a) shall include the following elements:

(1) *An initial assessment of cost savings to the Air Force from a multiyear contract.*

(2) *An analysis of at least two different multiyear contract options that vary in either duration or quantity, at least one of which assumes a maximum procurement of 550 missiles per year for 5 years.*

(3) *An assessment of how a multiyear contract will impact the industrial base.*

(4) *An assessment of how a multiyear contract will impact the Long Range Anti-Ship Missile.*

(5) *An assessment of how a multiyear contract will impact the ability of the Air Force to develop additional capabilities for the JASSM-ER missile.*

SEC. 152. REPORT ON AIRCRAFT FLEET OF THE CIVIL AIR PATROL.

(a) *REPORT.*—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the congressional defense committees a report on the aircraft fleet of the Civil Air Patrol.

(b) *ELEMENTS.*—The report required by subsection (a) shall include an assessment of each of the following:

(1) *Whether the number of aircraft, types of aircraft, and operating locations that comprise the Civil Air Patrol fleet are suitable for the missions and responsibilities assigned to the Civil Air Patrol, including—*

(A) *flight proficiency and training;*

(B) *operational mission training; and*

(C) *support for cadet orientation and cadet flight training programs in the Civil Air Patrol wing of each State.*

(2) *The ideal overall size of the Civil Air Patrol aircraft fleet, including a description of the factors used to determine that ideal size.*

(3) *The process used by the Civil Air Patrol and the Air Force to determine the number and location of aircraft operating locations and whether State Civil Air Patrol wing commanders are appropriately involved in that process.*

(4) *The process used by the Civil Air Patrol, the Air Force, and other relevant entities to determine the type and number of aircraft that are needed to support the emergency, operational, and training missions of the Civil Air Patrol.*

SEC. 153. SENSE OF CONGRESS ON THE LIGHT ATTACK AIRCRAFT INITIATIVE OF THE AIR FORCE.

It is the sense of the Congress that—

(1) *The United States Special Operations Command has a mission requirement to support foreign internal defense training and a light attack aircraft platform could potentially facilitate meeting that requirement.*

(2) *The Secretary of the Air Force should coordinate with the Commander of the United States Special Operations Command to assess how general purpose forces and special operations forces can leverage the light attack aircraft phase three experimentation activities of the Air Force.*

(3) *The Secretary of the Air Force, in coordination with the Commander of the United States Special Operations Command, should explore options for coordinating light attack aircraft experiment activities between general purpose forces and special operations forces to maximize efficiency and effectiveness and to further the mission requirements of both forces, including options to transfer a portion of funds authorized for Air Force light attack aircraft experiments to procure aircraft for supporting the combat air advisor mission of the Special Operations Command.*

Subtitle E—Defense-wide, Joint, and Multiservice Matters

SEC. 161. ECONOMIC ORDER QUANTITY CONTRACTING AND BUY-TO-BUDGET ACQUISITION FOR F-35 AIRCRAFT PROGRAM.

(a) **ECONOMIC ORDER QUANTITY CONTRACT AUTHORITY.**—

(1) **IN GENERAL.**—*Subject to paragraphs (2) through (4), from amounts made available for obligation under the F-35 aircraft program, the Secretary of Defense may enter into one or more contracts, beginning with the fiscal year 2020 program year, for the procurement of economic order quantities of material and equipment that has completed formal hardware qualification testing for the F-35 aircraft program for use in procurement contracts to be awarded for such program during fiscal years 2021, 2022, and 2023.*

(2) **LIMITATION.**—*The total amount obligated under all contracts entered into under paragraph (1) shall not exceed \$574,000,000.*

(3) **PRELIMINARY FINDINGS.**—*Before entering into a contract under paragraph (1), the Secretary of Defense shall make each of the following findings with respect to such contract:*

(A) *The use of such a contract will result in significant savings of the total anticipated costs of carrying out the program through annual contracts.*

(B) *The minimum need for the property to be procured is expected to remain substantially unchanged during the contemplated contract period in terms of production rate, procurement rate, and total quantities.*

(C) *There is a reasonable expectation that, throughout the contemplated contract period, the Secretary will request funding for the contract at the level required to avoid contract cancellation.*

(D) *That there is a stable, certified, and qualified design for the property to be procured and that the technical risks and redesign risks associated with such property are low.*

(E) *The estimates of both the cost of the contract and the anticipated cost avoidance through the use of an economic order quantity contract are realistic.*

(F) *Entering into the contract will promote the national security interests of the United States.*

(4) **CERTIFICATION REQUIREMENT.**—*The Secretary of Defense may not enter into a contract under paragraph (1) until a period of 30 days has elapsed following the date on which the Secretary certifies to the congressional defense committees, in writing, that each of the following conditions is satisfied:*

(A) *A sufficient number of end items of the system being acquired under such contract have been delivered at or within the most recently available estimates of the program acquisition unit cost or procurement unit cost for such system to determine that the estimates of the unit costs are realistic.*

(B) *During the fiscal year in which such contract is to be awarded, sufficient funds will be available to perform the contract in such fiscal year, and the future-years defense program submitted to Congress under section 221 of title 10, United States Code, for that fiscal year will include the funding required to execute the program without cancellation.*

(C) *The contract is a fixed-price type contract.*

(D) *The proposed contract provides for production at not less than minimum economic rates given the existing tooling and facilities.*

(E) *The Secretary has determined that each of the conditions described in subparagraphs (A) through (F) of paragraph (3) will be met by such contract and has provided the basis for such determination to the congressional defense committees.*

(b) **BUY-TO-BUDGET ACQUISITION.**—*Subject to section 2308 of title 10, United States Code, the Secretary of Defense may procure a quantity of F-35 aircraft in excess of the quantity authorized by this Act.*

SEC. 162. RELIEF FROM CONTRACTORS FOR FAILURE TO DELIVER READY-FOR-ISSUE SPARE PARTS FOR THE F-35 AIRCRAFT PROGRAM.

(a) **REQUIREMENT TO SEEK RELIEF.**—*Consistent with the findings and recommendations of the Inspector General of the Department of Defense in the report titled “Audit of F-35 Ready-For-Issue Spare Parts and Sustainment Performance Incentive Fees” (DODIG-2019-094) and dated June 13, 2019, the Secretary of Defense shall seek relief, as described in subsection (b), from prime contractors that delivered noncompliant ready-for-issue spare parts pursuant a contract under the F-35 aircraft program.*

(b) **RELIEF DESCRIBED.**—*The relief sought by the Secretary of Defense under subsection (a) may include the following:*

(1) *Specific performance.*

(2) *Compensation for costs incurred by the Department of Defense as a result of the contractor’s failure to deliver compliant ready-for-issue spare parts under the contract.*

(3) *Any other form of remediation or compensation the Secretary determines to be appropriate.*

(c) *RULE OF CONSTRUCTION.*—Nothing in this section shall be construed—

(1) to alter the terms of a contract under the F-35 aircraft program; or

(2) to authorize the Secretary of Defense to seek forms of relief beyond those otherwise available under law.

SEC. 163. LIMITATION ON AVAILABILITY OF FUNDS FOR REALLOCATION OF TURKISH F-35A AIRCRAFT TO THE UNITED STATES.

(a) *LIMITATION.*—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Air Force may be obligated or expended to procure a covered F-35A aircraft for the United States Air Force until a period of 15 days has elapsed following the date on which the Secretary of Defense certifies to the congressional defense committees that—

(1) ancillary mission equipment, initial spare parts and materials, technical data, and publications will be procured for each covered F-35A aircraft delivered to the Air Force; and

(2) each such aircraft will be delivered to the Air Force in a common configuration that may be operated and integrated within the fleet of F-35A aircraft of the Air Force.

(b) *COVERED F-35A AIRCRAFT DEFINED.*—In this section, the term “covered F-35A aircraft” means an F-35A aircraft previously procured by or on behalf of the Government of the Republic of Turkey in F-35 production lot 12, 13, or 14.

SEC. 164. REQUIREMENT TO ESTABLISH THE USE OF AN AGILE DEVOPS SOFTWARE DEVELOPMENT SOLUTION AS AN ALTERNATIVE FOR JOINT STRIKE FIGHTER AUTONOMIC LOGISTICS INFORMATION SYSTEM.

(a) *COMPETITIVE ANALYSIS.*—The Secretary of Defense shall conduct a competitive analysis of the performance and design architecture enhancement efforts between the currently fielded Autonomic Logistics Information System, Autonomic Logistics Information System-Next, and the Department of the Air Force Agile Development Operations Madhatter initiative efforts, including system technology transition opportunities and timelines.

(c) *BRIEFING.*—Not later than September 30, 2020, the Secretary of Defense shall provide the congressional defense committees a briefing on the findings of the competitive analysis carried out under subsection (a).

SEC. 165. F-35 SUSTAINMENT COST.

(a) *QUARTERLY UPDATE.*—The Under Secretary of Defense for Acquisition and Sustainment shall include in the quarterly report required under section 155 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232)—

(1) sustainment cost data related to the F-35 program, including a comparison in itemized format of the cost of legacy aircraft and the cost of the F-35 program, based on a standardized set of criteria; and

(2) an evaluation and metrics on the extent to which the goals developed pursuant to subsection (b) are being achieved.

(b) *COST REDUCTION PLAN.*—

(1) *IN GENERAL.*—The Under Secretary of Defense for Acquisition and Sustainment shall develop and implement a plan

for achieving significant reductions in the costs to operate, maintain, and sustain the F-35 system.

(2) *ELEMENTS.*—The plan required under paragraph (1) shall include the following elements:

(A) *Specific changes in the management and execution of operation and support (O&S) cost elements to engender continuous and measurable process improvements.*

(B) *Specific actions the Department will implement in the near, mid, and long terms to reduce O&S costs.*

(C) *Firm and achievable timelines for implementing the specific actions and process changes.*

(3) *REPORT.*—Not later than 180 days after the date of the enactment of this Act, the Under Secretary shall submit to the congressional defense committees a report on the baseline plan developed pursuant to paragraph (1).

SEC. 166. REPORTS ON THE PROGRESS AND PERFORMANCE OF THE F-35 AIRCRAFT PROGRAM.

(a) *F-35 BLOCK 4 AND CONTINUOUS CAPABILITY DEVELOPMENT AND DELIVERY PROGRAM.*—The Secretary of Defense shall include with the annual report required by section 224(d) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328; 130 Stat. 2059) an integrated master schedule and past performance assessment for each planned phase of the F-35 Block 4 Upgrade and Continuous Capability Development and Delivery Program.

(b) *COMPTROLLER GENERAL REPORTS.*—

(1) *ANNUAL REPORT REQUIRED.*—Not later than 30 days after the date on which the budget of the President is submitted to Congress under section 1105(a) of title 31, United States Code, for each of fiscal years 2021 through 2025, the Comptroller General of the United States shall submit to the congressional defense committees a report on the F-35 aircraft program.

(2) *ELEMENTS.*—Each report under paragraph (1) shall include, with respect to the F-35 aircraft program, the following:

(A) *An assessment of the progress of manufacturing processes improvement under the program.*

(B) *The progress and results of the F-35 Block 4 Upgrade and Continuous Capability Development and Delivery Program and other follow-on modernization development and testing efforts.*

(C) *An assessment of the Department's schedule for delivering software upgrades in six-month, scheduled increments.*

(D) *The progress and results of any other significant hardware development and fielding efforts necessary for the F-35 Block 4 Upgrade and Continuous Capability Development and Delivery Program.*

(E) *Any other issues the Comptroller General determines to be appropriate.*

(c) *F-35 BLOCK 4 DEFINED.*—In this section, the term “F-35 Block 4 Upgrade and Continuous Capability Development and Delivery Program” means Block 4 capability upgrades for the F-35 aircraft program as described in the Selected Acquisition Report for

the program submitted to Congress in March 2019, pursuant to section 2432 of title 10, United States Code.

SEC. 167. OTHER REPORTS ON THE F-35 AIRCRAFT PROGRAM.

(a) **REPORT ON F-35 RELIABILITY AND MAINTAINABILITY METRICS.**—The Secretary of Defense shall submit to the congressional defense committees a report on the reliability and maintainability metrics for the F-35 aircraft. The report shall include the following:

(1) The results of a review and assessment, conducted by the program office for the F-35 aircraft program, of the reliability and maintainability metrics for the aircraft as set forth in the most recent operational requirements document for the program.

(2) A determination of whether the reliability and maintainability metrics for the aircraft, as set forth in the most recent operational requirements document for the program, are feasible and attainable, and what changes, if any, will be made to update the metrics.

(3) A certification that the program office for the F-35 aircraft program has revised the reliability and maintainability improvement plan for the aircraft—

(A) to identify specific and measurable reliability and maintainability objectives in the improvement plan guidance; and

(B) to identify and document which projects included in the improvement plan will achieve the objectives identified under subparagraph (A).

(b) **REPORT ON F-35 BLOCK 4 UPGRADE AND CONTINUOUS CAPABILITY DEVELOPMENT AND DELIVERY PROGRAM.**—

(1) **IN GENERAL.**—The Secretary of Defense shall submit to the congressional defense committees a report on the F-35 Block 4 Upgrade and Continuous Capability Development and Delivery Program. The report shall include the following:

(A) The results of the independent cost estimate for the Program conducted by the Director of Cost Assessment and Program Evaluation.

(B) An approved test and evaluation master plan that addresses the adequacy of testing resources, testing aircraft shortfalls, and testing funding.

(C) A review of the feasibility and schedule of the continuous capability development and delivery strategy for fielding technologies under the Program as conducted by the Under Secretary of Defense for Research and Engineering.

(2) **F-35 BLOCK 4 DEFINED.**—In this subsection, the term “F-35 Block 4 Upgrade and Continuous Capability Development and Delivery Program” has the meaning given that term in section 166.

(c) **REPORT ON F-35 AUTONOMIC LOGISTICS INFORMATION SYSTEM.**—The Secretary of Defense shall submit to the congressional defense committees a report on the autonomic logistics information system of the F-35 aircraft. The report shall include a description of each of the following:

(1) All shortfalls, capability gaps, and deficiencies in the system that have been identified as of the date of the enactment of this Act.

(2) The strategy and performance requirements that will be implemented to improve the system.

(3) The strategy, implementation plan, schedule, and estimated costs of developing and fielding—

(A) the next generation of the system; or

(B) future increments of the system.

(d) **F-35 LIFE-CYCLE COST ESTIMATES.**—

(1) **JOINT COST ESTIMATE.**—The Secretary of the Air Force and the Secretary of the Navy shall jointly develop a joint service cost estimate for the life-cycle costs of the F-35 aircraft program.

(2) **INDEPENDENT COST ESTIMATE.**—The Director of Cost Assessment and Program Evaluation shall develop an independent cost estimate for the life-cycle costs of the F-35 aircraft program.

(e) **DEADLINE FOR SUBMITTAL.**—The reports required under subsections (a) through (d) shall be submitted to the congressional defense committees not later than 180 days after the date of the enactment of this Act.

SEC. 168. LIMITATION ON AVAILABILITY OF FUNDS FOR COMMUNICATIONS SYSTEMS LACKING CERTAIN RESILIENCY FEATURES.

(a) **IN GENERAL.**—Except as provided under subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for the Department of Defense may be obligated or expended for the procurement of a current or future Department of Defense communications program of record, and the Department may not otherwise procure a current or future communications program of record, unless the communications equipment—

(1) mitigates geolocation of a transmission that would allow a like echelon enemy force to target the user;

(2) securely communicates classified information in a contested communications environment that includes operationally representative jamming;

(3) reduces, within two years of continued development and upgrades, electronic signature and susceptibility to geolocation by using low probability of intercept/detect (LPI/LPD) waveforms, or other capability that would provide the same resiliency on the battlefield; and

(4) utilizes a waveform that is either made available through the Department of Defense Waveform Information Repository, or is a commercial off the shelf (COTS) waveform available for government licensing with waveform analysis through the Joint Tactical Networking Center (JTNC) Tactical Communications Marketplace.

(b) **WAIVER.**—The Secretary of a military department may waive the requirement under subsection (a) with respect to a communications system upon certifying to the congressional defense committees that the system's intended use is not for contested environments or will meet the requirement when operated as a component of an integrated network.

SEC. 169. REPEAL OF TACTICAL UNMANNED VEHICLE COMMON DATA LINK REQUIREMENT.

(a) REPORT REQUIRED.—

(1) IN GENERAL.—Not later than February 1, 2020, the Under Secretary of Defense for Acquisition and Sustainment shall submit to the congressional defense committees a report on the status of the Common Data Link program and plans to meet new and emerging manned and unmanned intelligence, surveillance, and reconnaissance (ISR) vehicle secure and interoperable communication requirements.

(2) ELEMENTS.—The report required under paragraph (1) shall include the following elements:

(A) A description of each Common Data Link (CDL) waveform in use and which platforms or systems utilize each CDL waveform.

(B) A list of manned and unmanned ISR platforms or systems in development requiring networked, secure, low latency communications, and an assessment of the suitability of CDL to meet the requirements of each planned program.

(C) A description of in-progress or planned technology development efforts to address networking requirements for manned and unmanned ISR systems operating in contested and denied environments.

(b) REPEAL.—Section 157 of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112-239; 126 Stat. 1667) is hereby repealed.

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
016	CH-47 HELICOPTER Advance procurement for CH-47F Block II		18,186		46,186 [28,000]		18,186		28,000 [28,000]		46,186
	MODIFICATION OF AIRCRAFT										
019	UNIVERSAL GROUND CONTROL EQUIPMENT (UAS)		2,090		2,090		2,090				2,090
020	GRAY EAGLE MODS2		14,699		14,699		14,699				14,699
021	MULTI SENSOR ABN RECON (MIP)		35,189		35,189		35,189				35,189
022	AH-64 MODS		58,172		58,172		58,172				58,172
023	CH-47 CARGO HELICOPTER MODS (MYP) Unobligated balances		11,785		6,785 [-5,000]		11,785				11,785
024	GRCS SEMA MODS (MIP)		5,677		5,677		5,677				5,677
025	ARL SEMA MODS (MIP)		6,566		6,566		6,566				6,566
026	EMARSS SEMA MODS (MIP)		3,859		3,859		3,859				3,859
027	UTILITY/CARGO AIRPLANE MODS Unit cost discrepancy		15,476		13,476 [-2,000]		15,476		-2,000 [-2,000]		13,476
028	UTILITY HELICOPTER MODS		6,744		6,744		6,744				6,744
029	NETWORK AND MISSION PLAN Cost growth		105,442		98,442 [-7,000]		105,442		-7,000 [-7,000]		98,442
030	COMMS. NAV SURVEILLANCE		164,315		164,315		164,315				164,315
032	GATM ROLLUP		30,966		30,966		30,966				30,966
033	RQ-7 UAV MODS Program increase		8,983	2	38,983 [30,000]		8,983				8,983
034	UAS MODS		10,205		10,205		10,205				10,205
	GROUND SUPPORT AVIONICS										
035	AIRCRAFT SURVIVABILITY EQUIPMENT		52,297		52,297		52,297				52,297
036	SURVIVABILITY CM		8,388		8,388		8,388				8,388
037	CMWS		13,999		13,999		13,999				13,999
038	COMMON INFRARED COUNTERMEASURES (CIRCM) OTHER SUPPORT		168,784		168,784		168,784				168,784
039	AVIONICS SUPPORT EQUIPMENT		1,777		1,777		1,777				1,777
040	COMMON GROUND EQUIPMENT		18,624		18,624		18,624				18,624
041	AIRCREW INTEGRATED SYSTEMS		48,255		48,255		48,255				48,255
042	AIR TRAFFIC CONTROL		32,738		32,738		32,738				32,738
044	LAUNCHER, 2.75 ROCKET		2,201		2,201		2,201				2,201

045	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2	9	991	991	991	991	991	991	991
	TOTAL AIRCRAFT PROCUREMENT, ARMY	164	3,696,429	165	3,687,689	167	3,680,429	163	3,671,475
	MISSILE PROCUREMENT, ARMY								
	SURFACE-TO-AIR MISSILE SYSTEM								
001	SYSTEM INTEGRATION AND TEST PROCUREMENT		113,857		113,857		113,857		113,857
002	M-SHORAD—PROCUREMENT	17	103,800	17	56,800	17	103,800	17	71,800
	Early to need		[-47,000]						
003	MSE MISSILE	138	698,603	138	698,603	138	698,603	138	698,603
004	INDIRECT FIRE PROTECTION CAPABILITY INC 2-1		9,337		9,337		9,337		9,337
	Full funding of Iron Dome battery				[229,900]				
005A	THAAD					37	425,900		
	THAAD program transfer from MDA					[37]	[425,900]		
006	AIR-TO-SURFACE MISSILE SYSTEM								
	HELLFIRE SYS SUMMARY	1,870	193,284	1,870	173,284	1,870	193,284	1,870	186,084
	Unit cost growth		[-20,000]						[-7,200]
007	JOINT AIR-TO-GROUND MSLS (JAGM)	609	233,353	609	198,353	609	233,353	609	199,295
	Contract and schedule delays		[-35,000]						[-34,058]
008	ANTI-TANK/ASSAULT MISSILE SYS								
	JAVELIN (AAWS-M) SYSTEM SUMMARY	672	138,405	672	138,405	672	138,405	672	138,405
009	TOW 2 SYSTEM SUMMARY	1,460	114,340	1,460	110,340	1,460	114,340	1,460	107,958
	Unit cost growth		[-4,000]						[-6,382]
010	TOW 2 SYSTEM SUMMARY		10,500		10,500		10,500		10,500
011	GUIDED MLRS ROCKET (GMLRS)	6,489	797,213	6,489	767,213	6,489	797,213	6,489	767,213
	Program adjustment		[-30,000]						[-30,000]
012	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	2,982	27,555	2,982	27,555	2,982	27,555	2,982	27,555
014	ARMY TACTICAL MSL SYS (ATACMS)—SYS SUM	146	184,842	146	184,842	146	209,842	146	170,013
	Excess to need		[-25,000]						[-39,829]
	MODIFICATIONS								
016	PATRIOT MODS		279,464		279,464		279,464		279,464
017	ATACMS MODS		80,320		80,320		85,320		80,320
	Unit cost growth		[-5,000]						[-5,000]
018	GMLRS MOD		5,094		5,094		5,094		5,094
019	STINGER MODS		81,615		81,615		81,615		81,615
020	AVENGER MODS		14,107		14,107		14,107		14,107
021	ITAS/TOW MODS		3,469		3,469		3,469		3,469
022	MLRS MODS		39,019		39,019		39,019		39,019
023	HIMARS MODIFICATIONS		12,483		12,483		12,483		12,483
	SPARES AND REPAIR PARTS								
024	SPARES AND REPAIR PARTS		26,444		26,444		26,444		26,444

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
025	SUPPORT EQUIPMENT & FACILITIES										
	AIR DEFENSE TARGETS		10,593		10,593		10,593				10,593
	TOTAL MISSILE PROCUREMENT, ARMY	14,383	3,207,687	14,383	3,041,697	14,420	3,863,487		-154,469	14,383	3,063,228
002	PROCUREMENT OF W&TCV, ARMY										
	TRACKED COMBAT VEHICLES										
	ARMORED MULTI PURPOSE VEHICLE (AMPV)	65	264,040	65	259,040	65	264,040		-33,733	65	230,307
	Program reduction				[-5,000]				[-33,733]		
003	MODIFICATION OF TRACKED COMBAT VEHICLES										
	STRYKER (MOD)		144,387		393,587		393,587		249,200		393,587
	Accelerate Stryker medium caliber weapon system—Army unfunded priority.				[249,200]				[249,200]		
004	UPL Stryker lethality 30 mm cannon	152	550,000	152	550,000	152	550,000		-27,038	152	522,962
	Unit cost growth								[-27,038]		
005	BRADLEY PROGRAM (MOD)		638,781		546,781		598,781		-65,000		573,781
	Excess to need due to termination of subprogram						[-40,000]				
	Program decrease				[-27,000]				[-65,000]		
	Program delay				[-65,000]						
006	M109 FOV MODIFICATIONS		25,756		25,756		25,756				25,756
007	PALADIN INTEGRATED MANAGEMENT (PIM)	53	553,425	53	553,425	53	553,425			53	553,425
009	ASSAULT BRIDGE (MOD)		2,821		2,821		2,821				2,821
010	ASSAULT BREACHER VEHICLE	6	31,697	6	31,697	6	31,697			6	31,697
011	M88 FOV MODS		4,500		4,500		4,500				4,500
012	JOINT ASSAULT BRIDGE	44	205,517	44	205,517	44	205,517			44	205,517
013	M1 ABRAMS TANK (MOD)		348,800		408,800		348,800		53,000		401,800
	Test support excess to need				[60,000]				[-7,000]		
	Vehicle protection system for one armored brigade								[60,000]		
014	ABRAMS UPGRADE PROGRAM	165	1,752,784	165	1,752,784	165	1,717,784			165	1,752,784
	Early to need						[-35,000]				
016	WEAPONS & OTHER COMBAT VEHICLES										
	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPONS		19,420		19,420		19,420				19,420
017	GUN AUTOMATIC 30MM M230		20,000		20,000		20,000		-14,958		5,042

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Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
MORTAR AMMUNITION											
009	60MM MORTAR, ALL TYPES		50,580		49,580		50,580		-1,000		49,580
	Unit cost discrepancy				[-1,000]				[-1,000]		
010	81MM MORTAR, ALL TYPES		59,373		44,673		59,373		-14,700		44,673
	Contract delays				[-14,700]				[-14,700]		
011	120MM MORTAR, ALL TYPES		125,452		123,452		125,452		-2,000		123,452
	Unit cost growth				[-2,000]				[-2,000]		
TANK AMMUNITION											
012	CARTRIDGES; TANK, 105MM AND 120MM, ALL TYPES		171,284		113,084		171,284		-50,820		120,464
	Unit cost growth				[-58,200]				[-50,820]		
ARTILLERY AMMUNITION											
013	ARTILLERY CARTRIDGES; 75MM & 105MM, ALL TYPES		44,675		44,675		44,675				44,675
014	ARTILLERY PROJECTILE, 155MM, ALL TYPES		266,037		266,037		266,037				266,037
015	PROJ 155MM EXTENDED RANGE M982	441	57,434	441	57,434		57,434			441	57,434
016	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL		271,602		265,602		271,602		-3,580		268,022
	Cost growth and unjustified product improvements				[-6,000]				[-3,580]		
MINES											
017	MINES & CLEARING CHARGES, ALL TYPES		55,433		39,433		55,433		-16,194		39,239
	Contract delay				[-16,000]				[-16,194]		
ROCKETS											
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES		74,878		74,878		74,878				74,878
019	ROCKET, HYDRA 70, ALL TYPES		175,994		165,994		175,994		-10,000		165,994
	Excess support costs				[-10,000]				[-10,000]		
OTHER AMMUNITION											
020	CAD/PAD, ALL TYPES		7,595		7,595		7,595				7,595
021	DEMOLITION MUNITIONS, ALL TYPES		51,651		51,651		51,651				51,651
022	GRENADES, ALL TYPES		40,592		40,592		40,592				40,592
023	SIGNALS, ALL TYPES		18,609		18,609		18,609				18,609
024	SIMULATORS, ALL TYPES		16,054		16,054		16,054				16,054
MISCELLANEOUS											
025	AMMO COMPONENTS, ALL TYPES		5,261		5,261		5,261				5,261
026	NON-LETHAL AMMUNITION, ALL TYPES		715		715		715				715
027	ITEMS LESS THAN \$5 MILLION (AMMO)		9,213		9,213		9,213				9,213

028	AMMUNITION PECULIAR EQUIPMENT	10,044	10,044	10,044	10,044	
029	FIRST DESTINATION TRANSPORTATION (AMMO)	18,492	18,492	18,492	18,492	
030	CLOSEOUT LIABILITIES	99	99	99	99	
	PRODUCTION BASE SUPPORT					
031	INDUSTRIAL FACILITIES	474,511	474,511	474,511	474,511	
032	CONVENTIONAL MUNITIONS DEMILITARIZATION	202,512	202,512	202,512	202,512	
033	ARMS INITIATIVE	3,833	3,833	3,833	3,833	
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	441	2,694,548	441	2,579,349	441
	OTHER PROCUREMENT, ARMY					
	TACTICAL VEHICLES					
001	TACTICAL TRAILERS/DOLLY SETS	12,993	12,993	12,993	12,993	
002	SEMITRAILERS, FLATBED:	102,386	102,386	102,386	102,386	
003	AMBULANCE, 4 LITER, 5/4 TON, 4X4	127,271	127,271	127,271	127,271	
004	GROUND MOBILITY VEHICLES (GMV)	37,038	37,038	37,038	35,038	
	Unit cost growth	[-2,000]			-2,000	
006	JOINT LIGHT TACTICAL VEHICLE	2,530	996,007	2,530	976,507	
	Army requested realignment				[-4,500]	
	Army requested transfer to RDTE, A line 169				[-4,500]	
	Early to need				[-15,000]	
	Simulator delay					
007	TRUCK, DUMP, 20T (CCE)	10,838	10,838	10,838	10,838	
008	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	72,057	72,057	72,057	138,057	
	Program increase				[66,000]	
009	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP	28,048	28,048	28,048	28,048	
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	9,969	9,969	9,969	9,969	
011	PLS ESP	6,280	6,280	6,280	6,280	
012	HVV EXPANDED MOBILE TACTICAL TRUCK EXT SERV	30,841	30,841	30,841	30,841	
	Program increase				[101,000]	
013	HMMWV RECAPITALIZATION PROGRAM	5,734	5,734	5,734	5,734	
014	TACTICAL WHEELED VEHICLE PROTECTION KITS	45,113	45,113	45,113	45,113	
015	MODIFICATION OF IN SVC EQUIP	58,946	58,946	58,946	58,946	
	NON-TACTICAL VEHICLES					
017	HEAVY ARMORED VEHICLE	791	791	791	791	
018	PASSENGER CARRYING VEHICLES	1,416	1,416	1,416	1,416	
019	NONTACTICAL VEHICLES OTHER	29,891	29,891	29,891	29,891	
	COMM—JOINT COMMUNICATIONS					
021	SIGNAL MODERNIZATION PROGRAM	153,933	153,933	153,933	143,933	
	Excess funding for spares				[-10,000]	
022	TACTICAL NETWORK TECHNOLOGY MOD IN SVC	387,439	387,439	387,439	411,439	
					[24,000]	

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Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	ITN-M for one armored brigade combat team				[24,000]				[24,000]		
023	SITUATION INFORMATION TRANSPORT		46,693		46,693		46,693				46,693
025	ICSE EQUIPMENT (USRDECOM)		5,075		5,075		5,075				5,075
	COMM—SATELLITE COMMUNICATIONS										
028	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS		101,189		101,189		101,189				101,189
029	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS		77,141		77,141		77,141				77,141
030	SIF TERM		16,054		16,054		16,054				16,054
031	ASSURED POSITIONING, NAVIGATION AND TIMING		41,074		41,074		41,074				41,074
	Contract delays				[-28,760]						-7,400
	Program cancellation				[-7,400]						[-7,400]
	Program increase				[20,000]						
032	SMART-T (SPACE)		10,515		10,515		10,515				10,515
033	GLOBAL BROADCAST SVC—GBS		11,800		11,800		11,800				11,800
034	ENROUTE MISSION COMMAND (EMC)		8,609		8,609		8,609				8,609
	COMM—C3 SYSTEM										
038	COE TACTICAL SERVER INFRASTRUCTURE (TSI)		77,533		77,533		77,533				77,533
	Program reduction										[-20,000]
	COMM—COMBAT COMMUNICATIONS										
039	HANDHELD MANPACK SMALL FORM FIT (HMS)		468,026		468,026		468,026				468,026
	Program delay				[-25,000]						
	SRAB technology refresh										
040	RADIO TERMINAL SET, MIDS LVT(2)		23,778		23,778		23,778				23,778
044	SPIDER FAMILY OF NETWORKED MUNITIONS INCR		10,930		10,930		10,930				10,930
046	UNIFIED COMMAND SUITE		9,291		9,291		9,291				9,291
	Excess program management costs				[-1,000]						
047	COTS COMMUNICATIONS EQUIPMENT		55,630		55,630		55,630				55,630
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE		16,590		16,590		16,590				16,590
049	ARMY COMMUNICATIONS & ELECTRONICS		43,457		43,457		43,457				43,457
	COMM—INTELLIGENCE COMM										
051	CI AUTOMATION ARCHITECTURE (MIP)		10,470		10,470		10,470				10,470
052	DEFENSE MILITARY DECEPTION INITIATIVE		3,704		3,704		3,704				3,704
	INFORMATION SECURITY										
053	FAMILY OF BIOMETRICS		1,000		1,000		1,000				1,000

054	INFORMATION SYSTEM SECURITY PROGRAM-ISSP	3,600	3,600	3,600	3,600		
055	COMMUNICATIONS SECURITY (COMSEC)	141,899	160,899	141,899	147,097	-13,802	
	Unit cost growth	[-19,000]				[-13,802]	
056	DEFENSIVE CYBER OPERATIONS	61,962	61,962	61,962	61,962		
057	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONIT	756	756	756	756		
058	PERSISTENT CYBER TRAINING ENVIRONMENT	3,000	3,000	3,000	3,000		
	COMM—LONG HAUL COMMUNICATIONS						
059	BASE SUPPORT COMMUNICATIONS	31,770	31,770	26,770	31,770		
	Insufficient budget justification	[-5,000]					
	COMM—BASE COMMUNICATIONS						
060	INFORMATION SYSTEMS	159,009	159,009	139,009	159,009		
	Unjustified growth	[-15,000]					
	Unjustified growth in SRM HW	[-5,000]					
061	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM	4,854	4,854	4,854	4,854		
062	HOME STATION MISSION COMMAND CENTERS (HSMCC)	47,174	47,174	47,174	47,174		
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	297,994	297,994	234,590	297,994		
	Insufficient budget justification	[-50,000]				-32,500	
	Program decrease	[-13,404]				[-32,500]	
	ELECT EQUIP—TACT INT REL ACT (TIARA)						
066	JTT/GIBS-M (MIP)	7,686	7,686	7,686	7,686		
068	DGGS-A (MIP)	180,350	180,350	180,350	180,350		
070	TROJAN (MIP)	17,368	17,368	17,368	17,368		
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	59,052	59,052	59,052	59,052		
	ELECT EQUIP—ELECTRONIC WARFARE (EW)						
077	LIGHTWEIGHT COUNTER MORTAR RADAR	5,400	5,400	5,400	5,400		
078	EW PLANNING & MANAGEMENT TOOLS (EWPMT)	7,568	7,568	7,568	7,568		
079	AIR VIGILANCE (AV) (MIP)	8,953	8,953	8,953	8,953		
081	MULTI-FUNCTION ELECTRONIC WARFARE (MFEW) SYST	6,420	6,420	6,420	3,220		
	Program reduction					-3,200	
083	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	501	501	501	501		
084	CI MODERNIZATION (MIP)	121	121	121	121		
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)						
085	SENTINEL MODS	115,210	115,210	114,210	114,210		
	Excess support costs	[-1,000]				-1,000	
086	NIGHT VISION DEVICES	236,604	236,604	160,604	160,379		
	Insufficient justification (VAS)	[-76,000]				[-76,225]	
088	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	22,623	22,623	22,623	22,623		
090	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	29,127	29,127	29,127	29,127		
091	FAMILY OF WEAPON SIGHTS (FWS)	81,541	120,883	81,541	81,541		
	Excess unit cost growth	[-39,342]				[-39,342]	

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Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	PETROLEUM EQUIPMENT										
154	DISTRIBUTION SYSTEMS, PETROLEUM & WATER		74,867		74,867		74,867				74,867
	MEDICAL EQUIPMENT										
155	COMBAT SUPPORT MEDICAL		68,225		68,225		68,225				68,225
	MAINTENANCE EQUIPMENT										
156	MOBILE MAINTENANCE EQUIPMENT SYSTEMS		55,053		55,053		55,053				55,053
157	ITEMS LESS THAN \$5.0M (MAINT EQ)		5,608		5,608		5,608				5,608
	CONSTRUCTION EQUIPMENT										
161	HYDRAULIC EXCAVATOR		500		500		500				500
162	TRACTOR, FULL TRACKED		4,835		4,835		4,835				4,835
163	ALL TERRAIN CRANES		23,936		23,936		23,936				23,936
164	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)		27,188		27,188		27,188				27,188
166	CONST EQUIP ESP		34,790		34,790		34,790				34,790
167	ITEMS LESS THAN \$5.0M (CONST EQUIP)		4,381		4,381		4,381				4,381
	RAIL FLOAT CONTAINERIZATION EQUIPMENT										
168	ARMY WATERCRAFT ESP		35,194		35,194		35,194				35,194
169	MANUEVER SUPPORT VESSEL (MSV)		14,185		14,185		14,185				14,185
170	ITEMS LESS THAN \$5.0M (FLOAT/RAIL)		6,920		6,920		6,920				6,920
	GENERATORS										
171	GENERATORS AND ASSOCIATED EQUIP		58,566		58,566		58,566				58,566
172	TACTICAL ELECTRIC POWER RECAPITALIZATION		14,814		14,814		14,814				14,814
	MATERIAL HANDLING EQUIPMENT										
173	FAMILY OF FORKLIFTS		14,864		14,864		14,864				14,864
	TRAINING EQUIPMENT										
174	COMBAT TRAINING CENTERS SUPPORT		123,411		123,411		123,411				123,411
175	TRAINING DEVICES, NONSYSTEM		220,707		220,707		220,707				220,707
176	SYNTHETIC TRAINING ENVIRONMENT (SIE)		20,749		15,749		20,749				15,749
	Program adjustment				[-5,000]						[-5,000]
178	AVIATION COMBINED ARMS TACTICAL TRAINER		4,840		4,840		4,840				4,840
179	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING		15,463		15,463		15,463				15,463
	TEST MEASURE AND DIG EQUIPMENT (TMD)										
180	CALIBRATION SETS EQUIPMENT		3,030		3,030		3,030				3,030
181	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)		76,980		76,980		76,980				76,980

182	TEST EQUIPMENT MODERNIZATION (TEMOD)	13,415	16,415	13,415	16,415	-3,000	13,415	-3,000	13,415
	Historical underexecution	[-3,000]				[-3,000]			
	OTHER SUPPORT EQUIPMENT								
184	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	9,877	9,877	9,877	9,877		9,877		9,877
185	PHYSICAL SECURITY SYSTEMS (OPA3)	82,158	82,158	82,158	82,158		82,158		82,158
186	BASE LEVEL COMMON EQUIPMENT	15,340	15,340	15,340	15,340		15,340		15,340
187	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	50,458	50,458	50,458	50,458		50,458		50,458
189	BUILDING, PRE-FAB, RELOCATABLE	14,400	14,400	14,400	14,400		14,400		14,400
190	SPECIAL EQUIPMENT FOR USER TESTING	9,821	9,821	9,821	9,821		9,821		9,821
	OPAZ								
192	INITIAL SPARES—C&E	9,757	9,757	9,757	9,757		9,757		9,757
	TOTAL OTHER PROCUREMENT, ARMY	2,530	7,451,301	2,530	7,451,427	-166,329	2,530	-166,329	7,284,972
	AIRCRAFT PROCUREMENT, NAVY								
	COMBAT AIRCRAFT								
001	F/A-18EF (FIGHTER) HORNET	24	1,748,934	24	1,748,934		1,748,934		1,730,360
	ECO and ancillary equipment excess growth		[-18,000]						[-18,574]
002	F/A-18EF (FIGHTER) HORNET		55,128		55,128		55,128		51,180
	Excess engine cost growth		[-4,000]						[-3,948]
003	JOINT STRIKE FIGHTER CV	20	2,272,301	20	2,162,301		2,487,301		2,217,821
	Target cost savings		[-110,000]						[-54,480]
	UPL USMC additional quantities		[2]		[2]		[215,000]		
004	JOINT STRIKE FIGHTER CV		339,053		339,053		339,053		339,053
005	JSF STOVL	10	1,342,035	10	1,256,035		1,591,135		1,266,301
	Target cost savings		[-86,000]						[-75,734]
	UPL USMC additional quantities		[2]		[2]		[249,100]		[-75,734]
006	JSF STOVL		291,804		291,804		291,804		291,804
007	CH-53K (HEAVY LIFT)	6	807,876	6	807,876		807,876		807,876
008	CH-53K (HEAVY LIFT)		215,014		215,014		215,014		215,014
009	V-22 (MEDIUM LIFT)	10	966,666	14	1,184,766		966,666		1,214,766
	Program increase		[248,100]		[4]				[248,100]
	Support cost growth		[-30,000]						
010	V-22 (MEDIUM LIFT)		27,104		27,104		27,104		27,104
011	H-1 UPGRADES (UH-1Y/AH-1Z)		62,003		62,003		62,003		53,003
	Production line shutdown excess to need								[-9,000]
013	MH-60R (MVP)		894		894		894		894
014	P-8A POSEIDON	6	1,206,701	9	1,636,601		1,206,701		1,680,601
	Contract negotiations savings		[-42,900]						
	Line shutdown costs early to need		[-68,400]						[-67,300]
	New unfunded priority		[3]						[541,200]

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Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
016	E-20 ADV HAWKEYE	4	744,484	5	896,784	4	744,484	1	155,800	5	900,284
	GFE excess cost growth				[-3,500]						
	Navy unfunded priority			[1]	[173,000]			[1]	[173,000]		
	NRE excess cost growth				[-17,200]				[-17,200]		
017	E-20 ADV HAWKEYE		190,204		190,204		190,204				190,204
019	TRAINER AIRCRAFT										
	ADVANCED HELICOPTER TRAINING SYSTEM	32	261,160	32	261,160	32	261,160			32	261,160
020	OTHER AIRCRAFT										
	KC-130J	3	240,840	3	221,840	3	240,840		-18,936	3	221,904
	Unit cost growth				[-19,000]				[-18,936]		
021	KC-130J		66,061		66,061		66,061				66,061
022	F-5	22	39,676	22	39,676		39,676			22	39,676
	Program cancellation					[-22]	[-39,676]				
023	MQ-4 TRITON	2	473,134	2	448,134	2	473,134		-25,000	2	448,134
	PGSE excess cost growth				[-25,000]				[-25,000]		
024	MQ-4 TRITON		20,139		20,139		20,139				20,139
025	MQ-8 UAV		44,957		44,957		44,957				44,957
026	STUASLO UAV		43,819		43,819		43,819				43,819
028	VH-92A EXECUTIVE HELO	6	658,067	6	658,067	6	658,067		-10,716	6	647,351
	Program reduction								[-10,716]		
	MODIFICATION OF AIRCRAFT										
029	AEA SYSTEMS		44,470		44,470		44,470		-5,300		39,170
	Program reduction								[-5,300]		
030	AV-8 SERIES		39,472		39,472		39,472				39,472
031	ADVERSARY		3,415		3,415		3,415				3,415
032	F-18 SERIES		1,207,089		1,138,089		1,207,089		-79,000		1,128,089
	Accelerate RWR modernization				[10,000]						
	Early to need				[-79,000]				[-79,000]		
033	H-53 SERIES		68,385		68,385		68,385				68,385
034	MH-60 SERIES		149,797		152,297		149,797		-2,500		147,297
	Demonstrate alternative low frequency active sonars				[2,500]						
	NRE prior year carryover (OSP 018-12)										
035	H-1 SERIES		114,059		114,059		114,059		[-2,500]		114,059

036	EP-3 SERIES	8,655	8,655		8,655		
038	E-2 SERIES	117,059	117,059		117,059		
039	TRAINER A/C SERIES	5,616	5,616		5,616		
040	C-2A	15,747	15,747		15,747		
041	C-130 SERIES	122,671	122,671		122,671		
	B kit cost growth (OSIP 019-14)					-5,885	
	G/E excess growth (OSIP 019-14)					[-3,009]	
042	FEWSG	509	509		509		
043	CARGO/TRANSPORT A/C SERIES	8,767	8,767		8,767		
044	E-6 SERIES	169,827	169,827		169,827		
	Program reduction					-2,611	
045	EXECUTIVE HELICOPTERS SERIES	8,933	8,933		8,933		
047	T-45 SERIES	184,314	186,022		184,314		
	NRE previously funded					-1,708	
048	POWER PLANT CHANGES	16,136	16,136		16,136		
049	JPATS SERIES	21,824	21,824		21,824		
050	AVIATION LIFE SUPPORT MODS	39,762	39,762		39,762		
051	COMMON ECM EQUIPMENT	162,839	162,839		162,839		
	Program decrease					-10,000	
052	COMMON AVIONICS CHANGES	102,107	102,107		102,107		
	Computing and displays concurrency and equipment growth early to need					[-10,000]	
	COMMON DEFENSIVE WEAPON SYSTEM					-27,000	
053	COMMON DEFENSIVE WEAPON SYSTEM	2,100	2,100		2,100		
054	ID SYSTEMS	41,437	41,437		41,437		
	Unjustified unit cost growth					[-7,800]	
055	P-8 SERIES	107,539	107,539		107,539		
	Increment 3 ECP 6 early to need (OSIP 006-18)					-10,976	
056	MAGTF EW FOR AVIATION	26,536	26,536		26,536		
057	MQ-8 SERIES	34,686	34,686		34,686		
058	V-22 (HILY/ROTOR ACFT) OSPREY	325,367	325,367		325,367		
059	NEXT GENERATION JAMMER (NGJ)	6,223	6,223		6,223		
	Program reduction					-3,112	
060	F-35 STOVL SERIES	65,585	65,585		65,585		
061	F-35 CV SERIES	15,358	15,358		15,358		
062	QRC	146,558	146,558		146,558		
	Program decrease					-18,458	
063	MQ-4 SERIES	27,994	27,994		27,994		
064	RQ-21 SERIES	66,282	66,282		66,282		
	EO/R turret upgrades unit cost growth (OSIP 004-20)					-5,250	
	AIRCRAFT SPARES AND REPAIR PARTS					[-5,250]	

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Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
067	SPARES AND REPAIR PARTS		2,166,788		2,102,788	1	2,235,088		-20,000		2,146,788
	F-35B spares				[14,900]		[14,900]				
	F-35C spares				[24,600]		[24,600]				
	MQ-4 Triton spares excess growth				[-64,000]		[28,800]		[-20,000]		
	UPL F-35B engine					[1]					
	AIRCRAFT SUPPORT EQUIP & FACILITIES										
068	COMMON GROUND EQUIPMENT		491,025		470,025		491,025		-21,000		470,025
	Other flight training previously funded				[-21,000]						
069	AIRCRAFT INDUSTRIAL FACILITIES		71,335		71,335		71,335		[-21,000]		71,335
070	WAR CONSUMABLES		41,086		32,086		41,086		-9,000		32,086
	BRU-61 previously funded				[-9,000]						
072	SPECIAL SUPPORT EQUIPMENT		135,740		115,740		135,740		[-9,000]		135,740
	Program decrease				[-20,000]						
073	FIRST DESTINATION TRANSPORTATION		892		892		892				892
	TOTAL AIRCRAFT PROCUREMENT, NAVY	145	18,522,204	153	16,821,764	128	19,014,928	8	439,612	153	18,961,816
	WEAPONS PROCUREMENT, NAVY										
	MODIFICATION OF MISSILES										
001	TRIDENT II MODS		1,177,251		1,157,651		1,177,251				1,177,251
	W76-2 low-yield deployment				[-19,600]						
	SUPPORT EQUIPMENT & FACILITIES										
002	MISSILE INDUSTRIAL FACILITIES		7,142		7,142		7,142				7,142
	STRATEGIC MISSILES										
003	TOMAHAWK	90	386,730	90	386,730	90	386,730		-42,082	90	344,648
	Unjustified tooling and facilitation costs								[-42,082]		
	TACTICAL MISSILES										
004	AMRAAM	169	224,502	169	191,502	169	224,502		-23,000	169	201,502
	Unit cost growth				[-33,000]						
005	SIDEMINDER	292	119,456	292	119,456	292	119,456		-2,052	292	117,404
	Program reduction										
007	STANDARD MISSILE	125	404,523	125	379,523	125	404,523		[-25,000]	125	404,523
	SM-6 multi-year procurement savings				[-25,000]						
008	STANDARD MISSILE		96,085		96,085		96,085				96,085

009	SMALL DIAMETER BOMB II	750	118,466	750	118,466	750	118,466	750	115,828
	Program reduction								[-2,638]
010	RAM	120	106,765	120	106,765	120	106,765	120	106,765
012	HELIFRE	29	1,525	29	1,525	29	1,525	29	1,525
015	AERIAL TARGETS		145,880		145,880		145,880		145,880
016	DRONES AND DECOYS	30	20,000	30	20,000	30	20,000	30	18,521
	Excess to need								[-1,479]
017	OTHER MISSILE SUPPORT		3,388		3,388		3,388		3,388
018	LRASM	48	143,200	48	143,200	48	143,200	48	143,200
	New unfunded priority		[25,000]						
019	LCS OTH MISSILE	18	38,137	18	38,137	8	18,137	18	38,137
	Unjustified accelerated acquisition strategy								[-10]
	Unjustified acquisition strategy								[-20,000]
	MODIFICATION OF MISSILES								
020	ESSM	60	128,059	60	128,059	60	128,059	60	110,059
	Production support excess to need								[-18,000]
021	HARPOON MODS		25,447		25,447		25,447		25,447
022	HARM MODS		183,740		183,740		183,740		183,740
023	STANDARD MISSILES MODS		22,500		22,500		22,500		2,500
	Early to need								[-20,000]
	SUPPORT EQUIPMENT & FACILITIES								
024	WEAPONS INDUSTRIAL FACILITIES		1,958		1,958		1,958		1,958
025	FLEET SATELLITE COMM FOLLOW-ON		67,380		67,380		67,380		67,380
027	ORDNANCE SUPPORT EQUIPMENT		109,427		109,427		109,427		85,717
	Insufficient budget justification								[-23,710]
	TORPEDOES AND RELATED EQUIP								
028	SSID		5,561		5,561		5,561		5,561
029	MK-48 TORPEDO	58	114,000	71	130,000	71	130,000	71	130,000
	Program increase								[13]
030	ASW TARGETS		15,095		15,095		15,095		15,095
	MOD OF TORPEDOES AND RELATED EQUIP								
031	MK-54 TORPEDO MODS		119,453		119,453		119,453		112,013
	HAWC cost growth								[-7,440]
032	MK-48 TORPEDO ADCAP MODS		39,508		39,508		39,508		39,508
033	QUICKSTRIKE MINE		5,183		5,183		5,183		5,183
	SUPPORT EQUIPMENT								
034	TORPEDO SUPPORT EQUIPMENT		79,028		79,028		79,028		79,028
035	ASW RANGE SUPPORT		3,890		3,890		3,890		3,890
	DESTINATION TRANSPORTATION								
036	FIRST DESTINATION TRANSPORTATION		3,803		3,803		3,803		3,803

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		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
037	GUNS AND GUN MOUNTS										
	SMALL ARMS AND WEAPONS		14,797		14,797		14,797		-1,190		13,607
	Program reduction								[-1,190]		
038	MODIFICATION OF GUNS AND GUN MOUNTS										
	CWS MODS		44,126		[-44,126]		44,126				44,126
	Unjustified OCO request										
039	COAST GUARD WEAPONS		44,980		44,980		44,980				44,980
040	GUN MOUNT MODS		66,376		66,376		66,376				66,376
041	LCS MODULE WEAPONS	120	14,585		14,585	120	14,585			120	14,585
	Program decrease				[-14,585]		7,160				
043	AIRBORNE MINE NEUTRALIZATION SYSTEMS		7,160		7,160		7,160				7,160
	SPARES AND REPAIR PARTS										
045	UNDISTRIBUTED		126,138		126,138		126,138		-1,748		124,390
	Program reduction								[-1,748]		
	TOTAL WEAPONS PROCUREMENT, NAVY	1,909	4,235,244	1,802	4,121,933	1,912	4,174,944	13	-127,339	1,922	4,107,905
	PROCUREMENT OF AMMO, NAVY & MC										
	NAVY AMMUNITION										
001	GENERAL PURPOSE BOMBS		36,028		20,028		36,028		-1,031		34,997
	Fuze contract delay and unit cost growth				[-16,000]				[-1,031]		
002	JDAM	2,844	70,413	2,844	62,913	2,844	70,413			2,844	70,413
	JDAM tail kit unit cost growth				[-7,500]						
	Unit cost growth				22,256		31,756		-4,049		27,707
003	AIRBORNE ROCKETS, ALL TYPES		31,756		22,256		31,756		[-4,049]		
	Unit cost growth				[-9,500]						
004	MACHINE GUN AMMUNITION		4,793		4,793		4,793				4,793
005	PRACTICE BOMBS		34,708		27,208		34,708		-7,500		27,208
	Q1300 LGTR unit cost growth				[-7,500]						
006	CARTRIDGES & CART ACTUATED DEVICES		45,738		38,738		45,738		-7,000		38,738
	Contract and schedule delays				[-7,000]						
007	AIR EXPENDABLE COUNTERMEASURES		77,301		67,801		77,301		-9,447		67,854
	Unit cost growth				[-9,500]						
008	JATOS		7,262		7,262		7,262				7,262

017	EXPEDITIONARY FAST TRANSPORT (EFF) Medical transport modification for EPF-14 Navy unfunded priority		1	49,000 [49,000]			2	981,215		2	981,215
AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST											
018	TAO FLEET OILER Full funding early to need		1	607,215 [-447,000]	2	981,215	2	981,215			
019	TAO FLEET OILER ADVANCE PROCUREMENT Transfer from Line 19			[73,000]		73,000		73,000			
020	TOWING, SALVAGE, AND RESCUE SHIP (ATS) Transfer to Line 18		2	150,282	2	150,282	2	150,282			
022	LGU 1700		4	85,670	4	85,670	4	85,670			
023	OUTFITTING Early to need and unjustified cost growth			643,554		704,679		704,679		-48,958	705,721
	ESB-9 Outfitting early to need			[-11,125]		[-50,000]		[-50,000]			
	Excess cost growth			[-100,000]						[-40,000]	
024	SHIP TO SHORE CONNECTOR Virginia class outfitting excess growth		1	65,000	1	65,000	1	65,000		[-8,958]	65,000
	Program decrease			[-1]		[-65,000]		[-65,000]			
	Program increase			[2]		[130,000]				[65,000]	
024A	SHIP TO SHORE CONNECTOR AP Program increase					40,400		40,400			
025	SERVICE CRAFT Accelerate YP-703 Flight II			56,289		81,789		81,789		25,500	81,789
028	COMPLETION OF PY SHIPBUILDING PROGRAMS Accelerate YP-703 Flight II			25,700		104,700		104,700		[25,500]	104,700
	ESB change order prior year carryover			[-30,000]						49,000	
	UPL EPF-14 conversion					49,000	1	49,000			
	TOTAL SHIPBUILDING AND CONVERSION, NAVY		17	22,194,585	17	23,783,710	18	24,144,410	1	-193,658	23,590,052
OTHER PROCUREMENT, NAVY											
SHIP PROPULSION EQUIPMENT											
001	SURFACE POWER EQUIPMENT			14,490		14,490		14,490			14,490
GENERATORS											
002	SURFACE COMBATANT HM&E Excess cost growth			31,583		50,583		50,583		-22	31,561
	Twisted rudder installation early to need										
	UPL DDG-51 class HM&E upgrades					[19,000]				[-22]	
NAVIGATION EQUIPMENT											
003	OTHER NAVIGATION EQUIPMENT Excess cost growth			60,830		77,404		77,404			77,404
	Excess cost growth			[-16,574]							
OTHER SHIPBOARD EQUIPMENT											

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		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
004	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG		160,803		160,803		160,803				160,803
005	DDG MOD		566,140		566,140		566,140		-12,650		563,490
	Aegis modernization testing excess to need								[-5,000]		
	Combat system ship qualification trials excess to need								[-7,650]		
006	FIREFIGHTING EQUIPMENT		18,223		18,223		18,223				18,223
007	COMMAND AND CONTROL SWITCHBOARD		2,086		2,086		2,086				2,086
008	LHA/LHD MIDLIFE		95,651		64,651		95,651		-16,088		79,563
	Excess cost growth				[-31,000]						
009	POLLUTION CONTROL EQUIPMENT		23,910		23,910		23,910				23,910
010	SUBMARINE SUPPORT EQUIPMENT		44,895		25,300		44,895		[-16,088]		44,895
	Acoustic superiority early to need				[-11,855]						
	Excess cost growth				[-7,740]						
011	VIRGINIA CLASS SUPPORT EQUIPMENT		28,465		28,465		28,465				28,465
012	LCS CLASS SUPPORT EQUIPMENT		19,426		19,426		19,426				19,426
013	SUBMARINE BATTERIES		26,290		26,290		26,290		-993		25,297
	Virginia class unit cost growth								[-993]		
014	LPD CLASS SUPPORT EQUIPMENT		46,945		46,945		46,945				46,945
015	DDG 1000 CLASS SUPPORT EQUIPMENT		9,930		9,930		9,930				9,930
016	STRATEGIC PLATFORM SUPPORT EQUIP		14,331		14,331		14,331				14,331
017	DSSP EQUIPMENT		2,909		2,909		2,909				2,909
018	CG MODERNIZATION		193,990		193,990		193,990				193,990
019	LCAC		3,392		3,392		3,392				3,392
020	UNDERWATER EOD PROGRAMS		71,240		71,240		82,240				71,240
	Program increase for four EMCM companies				[-11,000]						
021	ITEMS LESS THAN \$5 MILLION		102,543		102,543		102,543				102,543
022	CHEMICAL WARFARE DETECTORS		2,961		2,961		2,961				2,961
023	SUBMARINE LIFE SUPPORT SYSTEM		6,635		6,635		6,635				6,635
	REACTOR PLANT EQUIPMENT										
024	REACTOR POWER UNITS		5,340		5,340		5,340				5,340
025	REACTOR COMPONENTS		465,726		465,726		465,726		-2,977		462,749
	Program decrease—unit cost growth								[-2,977]		
	OCEAN ENGINEERING										
026	DIVING AND SALVAGE EQUIPMENT		11,854		10,706		11,854				11,854

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		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
	SEWIP block 1B2 for USCG ship forward fit contract delays.											
	RECONNAISSANCE EQUIPMENT											
045	SHIPBOARD IW EXPLOIT		194,758		194,758		202,758		-1,318		193,440	
	SSEE modifications kits unit cost growth								[-1,318]			
	UPL SSEE expansion on Flight I DDGs						(8,000)					
046	AUTOMATED IDENTIFICATION SYSTEM (AIS)		5,368		5,368		5,368				5,368	
	OTHER SHIP ELECTRONIC EQUIPMENT											
047	COOPERATIVE ENGAGEMENT CAPABILITY		35,128		35,128		35,128				35,128	
048	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)		15,154		15,154		15,154				15,154	
049	AIDLIS		52,753		52,753		52,753				52,753	
050	NAVY COMMAND AND CONTROL SYSTEM (NCCS)		3,390		3,390		3,390				3,390	
051	MINESWEEPING SYSTEM REPLACEMENT		19,448		19,448		19,448				19,448	
052	SHALLOW WATER MICM		8,730		8,730		8,730				8,730	
053	NAVSTAR GPS RECEIVERS (SPACE)		32,674		32,674		32,674				32,674	
054	AMERICAN FORCES RADIO AND TV SERVICE		2,617		2,617		2,617				2,617	
055	STRATEGIC PLATFORM SUPPORT EQUIP		7,973		7,973		7,973				7,973	
	AVIATION ELECTRONIC EQUIPMENT											
056	ASHORE ATC EQUIPMENT		72,406		72,406		72,406				72,406	
057	AFLOAT ATC EQUIPMENT		67,410		67,410		67,410				65,779	
	ACLS med kits installations cost growth										[-1,631]	
058	ID SYSTEMS		26,059		15,464		26,059				26,059	
	OE-120/UPX antenna insufficient budget justification				[-10,595]							
059	JOINT PRECISION APPROACH AND LANDING SYSTEM (.....		92,695		61,348		92,695				78,195	
	Early to need				[-31,347]						[-14,500]	
060	NAVAL MISSION PLANNING SYSTEMS		15,296		15,296		15,296				15,296	
	OTHER SHORE ELECTRONIC EQUIPMENT											
061	TACTICAL/MOBILE C4I SYSTEMS		36,226		36,226		36,226				36,226	
062	DCGS-N		21,788		21,788		21,788				21,427	
	DCGS-N increment 2 kit unit cost discrepancy										[-361]	
063	CANES		426,654		396,654		426,654				395,154	
	Program decrease				[-30,000]						[-31,500]	
064	RADAC		6,450		6,450		6,450				6,450	

065	CANES-INTELL	52,713				52,713					
066	GPETE	13,028				13,028					
067	MASF	5,193				5,193					
068	INTEG COMBAT SYSTEM TEST FACILITY	6,028				6,028					
069	EMI CONTROL INSTRUMENTATION	4,209				4,209					
070	ITEMS LESS THAN \$5 MILLION	144,636				144,636					
	Excess cost growth										
	NESSR early to need										
	SHIPBOARD COMMUNICATIONS										
071	SHIPBOARD TACTICAL COMMUNICATIONS	55,853				55,853					
	DMR IW and MIOS system procurement afloat previously funded.										
072	SHIP COMMUNICATIONS AUTOMATION	137,861				137,861					
	STACC cost growth										
073	COMMUNICATIONS ITEMS UNDER \$5M	35,093				35,093					
	Improving funds management: prior year carryover										
	SUBMARINE COMMUNICATIONS										
074	SUBMARINE BROADCAST SUPPORT	50,833				50,833					
075	SUBMARINE COMMUNICATION EQUIPMENT	69,643				69,643					
	Buy shape improvement unjustified request										
	SATELLITE COMMUNICATIONS										
076	SATELLITE COMMUNICATIONS SYSTEMS	45,841				45,841					
077	NAVY MULTIBAND TERMINAL (NMT)	88,021				88,021					
	Afloat ship kit cost growth										
	Assured C2 moderns installation cost excess growth										
	SHORE COMMUNICATIONS										
078	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	4,293				4,293					
	CRYPTOGRAPHIC EQUIPMENT										
079	INFO SYSTEMS SECURITY PROGRAM (ISSP)	166,540				166,540					
080	MIO INTEL EXPLOITATION TEAM	968				968					
	CRYPTOLOGIC EQUIPMENT										
081	CRYPTOLOGIC COMMUNICATIONS EQUIP	13,090				13,090					
	OTHER ELECTRONIC SUPPORT										
083	COAST GUARD EQUIPMENT	61,370				61,370					
	SONOBUOYS										
085	SONOBUOYS—ALL TYPES	260,644				260,644					
	Navy unfunded priority										
	UPL sonobuoy increase										
	AIRCRAFT SUPPORT EQUIPMENT										
086	MINOTAUR	5,000				5,000					

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		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
087	WEAPONS RANGE SUPPORT EQUIPMENT		101,843		94,843		101,843				101,843
	Excess cost growth				[-7,000]						
088	AIRCRAFT SUPPORT EQUIPMENT		145,601		112,181		145,601		-10,390		135,211
	Excess cost growth				[-20,000]				[-10,390]		
	Program decrease				[-13,420]						
089	ADVANCED ARRESTING GEAR (AAG)		4,725		4,725		4,725		-2,280		4,725
090	METEOROLOGICAL EQUIPMENT		14,687		14,687		14,687		[-2,280]		12,407
	ASUS upgrades unit cost growth				4,725				[-2,280]		
092	LEGACY AIRBORNE MCM		19,250		19,250		19,250		-332		18,918
	Modifications unjustified growth								[-332]		
093	LAMPS EQUIPMENT		792		792		792				792
094	AVIATION SUPPORT EQUIPMENT		55,415		52,415		55,415		-3,000		52,415
	Contract delay				[-3,000]				[-3,000]		
095	UMCS-UNIMAN CARRIER AVIATION/COMMISSION CNTRL		32,668		32,668		32,668				32,668
096	SHIP GUN SYSTEM EQUIPMENT		5,451		5,451		5,451				5,451
097	HARPOON SUPPORT EQUIPMENT		1,100		1,100		1,100				1,100
098	SHIP MISSILE SUPPORT EQUIPMENT		228,104		243,304		228,104		40,200		268,304
	Excess cost growth				[-25,000]						
	Program increase				[40,200]				[40,200]		
099	TOMAHAWK SUPPORT EQUIPMENT		78,593		78,593		78,593				78,593
100	STRATEGIC MISSILE SYSTEMS EQUIP		280,510		280,510		280,510				280,510
101	SSN COMBAT CONTROL SYSTEMS		148,547		138,547		148,547		-4,869		143,678
	Excess cost growth				[-10,000]				[-4,869]		
102	OTHER ORDNANCE SUPPORT EQUIPMENT		21,130		21,130		21,130				21,130
103	EXPLOSIVE ORDNANCE DISPOSAL EQUIP		15,244		15,244		15,244				15,244
104	ITEMS LESS THAN \$5 MILLION		5,071		5,071		5,071				5,071
105	ANTI-SHIP MISSILE DECOY SYSTEM		41,962		41,962		41,962				41,962

106	SUBMARINE TRAINING DEVICE MODS	75,057	75,057	75,057	75,057		
107	SURFACE TRAINING EQUIPMENT	233,175	233,175	233,175	233,175		222,647
	BFTT ship sets excess to need					-10,528	[-1,515]
	LCS trainer equipment early to need						[-9,013]
	CIVIL ENGINEERING SUPPORT EQUIPMENT						
108	PASSENGER CARRYING VEHICLES	4,562	4,562	4,562	4,562		4,562
109	GENERAL PURPOSE TRUCKS	10,974	10,974	10,974	10,974		10,974
110	CONSTRUCTION & MAINTENANCE EQUIP	43,191	43,191	43,191	43,191		43,191
111	FIRE FIGHTING EQUIPMENT	21,142	21,142	21,142	21,142		11,642
	Contract delays					-9,500	
112	TACTICAL VEHICLES	32,032	32,032	32,032	32,032		33,432
	ILTV contract delay						[-1,400]
114	POLLUTION CONTROL EQUIPMENT	2,633	2,633	2,633	2,633		2,633
115	ITEMS UNDER \$5 MILLION	53,467	53,467	53,467	53,467		53,467
116	PHYSICAL SECURITY VEHICLES	1,173	1,173	1,173	1,173		1,173
	SUPPLY SUPPORT EQUIPMENT						
117	SUPPLY EQUIPMENT	16,730	16,730	16,730	16,730		16,730
118	FIRST DESTINATION TRANSPORTATION	5,389	5,389	5,389	5,389		5,389
119	SPECIAL PURPOSE SUPPLY SYSTEMS	654,674	654,674	654,674	654,674		617,522
	Insufficient budget justification					-37,152	[-37,152]
	TRAINING DEVICES						
120	TRAINING SUPPORT EQUIPMENT	3,633	3,633	3,633	3,633		3,633
121	TRAINING AND EDUCATION EQUIPMENT	97,636	97,636	97,636	97,636		94,536
	Excess growth						
	Reduction in one Training Support Vessel						
	COMMAND SUPPORT EQUIPMENT						
122	COMMAND SUPPORT EQUIPMENT	66,102	66,102	59,779	59,779		50,434
	Prior year underexecution						
	Program duplication						[-6,323]
123	MEDICAL SUPPORT EQUIPMENT	3,633	3,633	3,633	3,633		3,633
125	NAVAL MIP SUPPORT EQUIPMENT	6,097	6,097	6,097	6,097		6,097
126	OPERATING FORCES SUPPORT EQUIPMENT	16,905	16,905	16,905	16,905		16,905
127	CAISR EQUIPMENT	30,146	30,146	30,146	30,146		30,146
128	ENVIRONMENTAL SUPPORT EQUIPMENT	21,986	21,986	21,986	21,986		21,986
129	PHYSICAL SECURITY EQUIPMENT	160,046	160,046	160,046	160,046		160,046
130	ENTERPRISE INFORMATION TECHNOLOGY	56,899	56,899	56,899	56,899		56,899
	OTHER						
133	NEXT GENERATION ENTERPRISE SERVICE	122,832	122,832	122,832	122,832		122,832
	CLASSIFIED PROGRAMS						
133A	CLASSIFIED PROGRAMS	16,346	16,346	16,346	16,346		16,346

015	MODIFICATION KITS	4,945	4,945	4,945	4,945				
	COMMAND AND CONTROL SYSTEM (NON-TEL)								
016	ITEMS UNDER \$5 MILLION (COMM & ELEC)	112,124	112,124	83,124	112,124			-29,700	82,424
	Unit cost growth			[-29,000]				[-29,700]	
017	RADAR + EQUIPMENT (NON-TEL)	17,408	17,408	17,408	17,408				17,408
018	RADAR SYSTEMS	329	329	329	329				329
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	273,022	273,022	273,022	273,022	8			273,022
021	GCSS-MC	4,484	4,484	4,484	4,484				4,484
022	FIRE SUPPORT SYSTEM	35,488	35,488	35,488	35,488				35,488
023	INTELLIGENCE SUPPORT EQUIPMENT	56,896	56,896	54,396	56,896			-2,500	54,396
	Unjustified growth			[-2,500]					
025	UNMANNED AIR SYSTEMS (INTEL)	34,711	34,711	34,711	34,711				34,711
026	DGSS-MC	32,562	32,562	32,562	32,562				32,562
	OTHER SUPPORT (NON-TEL)								
030	NEXT GENERATION ENTERPRISE NETWORK (NGEN)	114,901	114,901	114,901	114,901				114,901
031	COMMON COMPUTER RESOURCES	51,094	51,094	51,094	51,094				51,094
032	COMMAND POST SYSTEMS	108,897	108,897	108,897	108,897				108,897
033	RADIO SYSTEMS	227,320	227,320	212,320	227,320			-15,000	212,320
	Cost growth and early to need			[-15,000]					
034	COMM SWITCHING & CONTROL SYSTEMS	23,685	23,685	23,685	23,685				23,685
	ECP small form factor previously funded			[-8,000]					
035	COMM & ELEC INFRASTRUCTURE SUPPORT	21,140	21,140	21,140	21,140				21,140
036	CYBERSPACE ACTIVITIES	27,632	27,632	27,632	27,632				27,632
	CLASSIFIED PROGRAMS								
036A	CLASSIFIED PROGRAMS	5,535	5,535	5,535	5,535				5,535
	ADMINISTRATIVE VEHICLES								
037	COMMERCIAL CARGO VEHICLES	28,913	28,913	28,913	28,913				28,913
	TACTICAL VEHICLES								
038	MOTOR TRANSPORT MODIFICATIONS	19,234	19,234	19,234	19,234				19,234
039	JOINT LIGHT TACTICAL VEHICLE	558,107	558,107	556,107	558,107			-2,000	556,107
	ECP previously funded			[-2,000]					
040	FAMILY OF TACTICAL TRAILERS	2,693	2,693	2,693	2,693				2,693
	ENGINEER AND OTHER EQUIPMENT								
041	ENVIRONMENTAL CONTROL EQUIP ASSORT	495	495	495	495				495
042	TACTICAL FUEL SYSTEMS	52	52	52	52				52
043	POWER EQUIPMENT ASSORTED	22,441	22,441	22,441	22,441				22,441
044	AMPHIBIOUS SUPPORT EQUIPMENT	7,101	7,101	7,101	7,101				7,101
045	EOD SYSTEMS	44,700	44,700	44,700	44,700				44,700
	TOTAL	1,398	1,398	1,398	1,398	8			1,398

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Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	MATERIALS HANDLING EQUIPMENT										
046	PHYSICAL SECURITY EQUIPMENT		15,404		15,404		15,404				15,404
	GENERAL PROPERTY										
047	FIELD MEDICAL EQUIPMENT		2,898		2,898		2,898				2,898
048	TRAINING DEVICES		149,567		149,567		149,567				126,567
	ODS unjustified request				[-23,000]						[-23,000]
049	FAMILY OF CONSTRUCTION EQUIPMENT		35,622		35,622		35,622				35,622
050	ULTRA-LIGHT TACTICAL VEHICLE (ULTV)		647		647		647				647
	OTHER SUPPORT										
051	ITEMS LESS THAN \$5 MILLION		10,956		10,956		10,956				10,956
	SPARES AND REPAIR PARTS										
052	SPARES AND REPAIR PARTS		33,470		33,470		33,470				33,470
	TOTAL PROCUREMENT, MARINE CORPS	1,769	3,090,449	1,769	2,990,149	1,769	3,090,449		-100,908	1,769	2,989,541
	AIRCRAFT PROCUREMENT, AIR FORCE										
	TACTICAL FORCES										
001	F-35	48	4,274,359	60	5,126,409	60	5,364,359	12	1,292,050	60	5,566,409
	Program increase			[12]	[1,042,800]			[12]	[1,042,800]		
	Program increase: Turkish F-35A Reallocation Initiative ..										
	Target cost savings										
	UPL additional quantities				[-190,750]						[-190,750]
002	F-35		655,500		655,500		655,500				156,000
	UPL additional quantities					[12]	[1,090,000]				811,500
003	F-15E	8	1,050,000	8	941,000	8	888,000			8	985,500
	NRE cost on a non-developmental A/C						[-162,000]				[-64,500]
	Unjustified non-recurring engineering				[-109,000]						
	TACTICAL AIRLIFT										
005	KC-46A MDAP	12	2,234,529	12	2,199,705	15	2,705,529			12	2,198,529
	Excess to need				[-34,824]						[-36,000]
	UPL additional quantities					[3]	[471,000]				
	OTHER AIRLIFT										
006	C-130J		12,156	4	404,156		12,156	4	392,000	4	404,156
	Program increase			[4]	[392,000]			[4]	[392,000]		

008	MC-130J	8	871,207	8	871,207	8	871,207	8	857,607
	Excess to need				40,000				40,000
009	MC-130J		40,000						
	HELICOPTERS								
010	COMBAT RESCUE HELICOPTER	12	884,235	12	876,235	12	884,235	12	876,035
	Excess to need				[-8,000]				
	MISSION SUPPORT AIRCRAFT								
011	C-37A	2	161,000	2	161,000	2	161,000	2	147,500
	Unit cost growth								
012	CIVIL AIR PATROL A/C	4	2,767	4	2,767	4	2,767	4	2,767
	OTHER AIRCRAFT								
014	TARGET DRONES	37	130,837	37	130,837	37	130,837	37	130,837
015	COMPASS CALL	1	114,095	1	114,095	1	114,095	1	114,095
017	MQ-9	3	189,205	15	313,005	3	189,205	3	175,205
	Program increase			[12]	[137,800]				
	Unit cost growth				[-14,000]				
	STRATEGIC AIRCRAFT								
019	B-2A		9,582		9,582		9,582		9,582
020	B-1B		22,111		22,111		22,111		13,111
	ADS-B ahead of need								
021	B-52		69,648		69,648		69,648		69,648
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES		43,758		43,758		43,758		43,758
	TACTICAL AIRCRAFT								
023	A-10		132,069		132,069		132,069		132,069
024	E-11 BACW/HAG	1	70,027	1	90,027		70,027		70,027
	Aircraft increase			[1]	[20,000]				
025	F-15		481,073		480,443		328,073		467,767
	ADCP unnecessary due to F-15X						[-75,100]		
	F-15C MUDS ahead of need								
	IFF unnecessary due to F-15X								
	Longerons unnecessary due to F-15X								
	Radar unnecessary due to F-15X								
026	F-16		234,782		234,782		309,782		309,782
	Additional radars								
028	F-22A		323,597		323,597		323,597		323,597
030	F-35 MODIFICATIONS		343,590		343,590		343,590		343,590
031	F-15 EPAW		149,047		25,047		81,847		125,417
	Not required because of F-15X								
	Prior-year carryover						[-67,200]		
032	INCREMENT 3.2B		20,213		20,213		20,213		20,213

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Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
033	KC-46A MDAP		10,213		3,639		10,213		-5,000		5,213
	Excess to need				[-6,574]						
	Funding ahead of need										
	AIRLIFT AIRCRAFT										
034	C-5		73,550		73,550		73,550				73,550
036	C-17A		60,244		60,244		60,244				60,244
037	C-21		216		216		216				216
038	C-32A		11,511		11,511		11,511				11,511
039	C-37A		435		435		435				435
	TRAINER AIRCRAFT										
040	GLIDER MODS		138		138		138				138
041	T-6		11,826		11,826		11,826				11,826
042	T-1		26,787		26,787		26,787				26,787
043	T-38		37,341		45,041		37,341				37,341
	T-38 A/B ejection seat safety				[7,700]						
	OTHER AIRCRAFT										
044	U-2 MODS		86,896		119,896		86,896		20,000		106,896
	Increase for U-2 enhancements				[33,000]				[20,000]		
045	KC-10A (ATCA)		2,108		2,108		2,108				2,108
046	C-12		3,021		3,021		3,021				3,021
047	VC-25A MOD		48,624		48,624		48,624				48,624
048	C-40		256		256		256				256
049	C-130		52,066		186,066		52,066		134,000		186,066
	3.5 Engine Enhancement Package				[79,000]				[79,000]		
	NP-2000 prop blade upgrades				[55,000]				[55,000]		
050	C-130J MODS		141,686		141,686		141,686				141,686
051	C-135		124,491		124,491		124,491		-1,875		122,616
	Low cost mods slow execution										
	RPI installs										
053	COMPASS CALL		110,754		110,754		110,754				110,754
054	COMBAT FLIGHT INSPECTION—CFIN		508		508		508				508
055	RC-135		227,673		398,673		227,673				227,673
	Program increase				[171,000]						

056	E-3	216,299	216,299	-87,307	128,992
	NATO AWACS—Air Force requested transfer to line 88			[-87,307]	
057	E-4	58,477	58,477		58,477
058	E-8	56,778	56,778	20,000	48,778
	Increase for re-engining	[28,000]		[20,000]	
	SATCOM radios		[30,000]		
059	AIRBORNE WARNING AND CNTRL SYS (AWACS) 40/45	36,000	36,000		36,000
060	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	7,910	7,910		7,910
061	H-1	3,817	3,817		3,817
062	H-60	20,879	20,879		20,879
063	RQ-4 MODS	1,704	1,704		1,704
064	HC/MC-130 MODIFICATIONS	51,482	51,482		51,482
065	OTHER AIRCRAFT	50,098	50,098		50,098
066	MQ-9 MODS	383,594	383,594		383,594
	Production rate adjustment of DAS-4 sensor	[-132,000]		[-132,000]	
068	CV-22 MODS	65,348	65,348		65,348
069	AIRCRAFT SPARES AND REPAIR PARTS	544,830	970,230	91,000	799,230
	INITIAL SPARES/REPAIR PARTS		[96,000]	[96,000]	
	F-35 spares		[141,000]		
	KC-46 spares				
	Program decrease	[-40,000]			
	RQ-4			[-30,000]	
	Unjustified F-15C requirements	[-123,400]		[25,000]	
072	COMMON SUPPORT EQUIPMENT	84,938	84,938		84,938
	AIRCRAFT REPLACEMENT SUPPORT EQUIP				
073	POST PRODUCTION SUPPORT	1,403	1,403		1,403
074	B-2A	42,234	42,234		42,234
075	B-52	4,641	4,641		4,641
076	C-17A	124,805	124,805		124,805
079	F-15	2,589	2,589		2,589
081	F-16	14,748	15,348		15,348
	Line shutdown early to need	[-600]			
084	RQ-4 POST PRODUCTION CHARGES	47,246	47,246		47,246
086	INDUSTRIAL PREPAREDNESS	17,705	17,705		17,705
087	WAR CONSUMABLES	32,102	32,102		32,102
088	OTHER PRODUCTION CHARGES	1,194,728	1,194,728	27,307	1,222,035
	OTHER PRODUCTION CHARGES				

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Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	F-22 NGEN lab excess				[-72,000]						
	NATO AWACS—Air Force requested transfer from line 56										
	Program decrease				[-33,000]						
	RQ-4 delayed obligations				[-16,000]						
	CLASSIFIED PROGRAMS										
090A	CLASSIFIED PROGRAMS		34,193		34,193		34,193				34,193
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	135	16,784,279	164	17,845,801	180	18,466,079	46	1,785,439	181	18,569,718
	MISSILE PROCUREMENT, AIR FORCE										
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC										
001	MISSILE REPLACEMENT EQ-BALLISTIC		55,888		55,888		55,888				55,888
	TACTICAL										
002	REPLAC EQUIP & WAR CONSUMIBLES		9,100		9,100		9,100				9,100
003	JOINT AIR-TO-GROUND MUNITION	60	15,000	60	15,000	60	15,000	-30	-7,500	30	7,500
	Unjustified requirement (JAGM-F)				[-15,000]						
004	JOINT AIR-SURFACE STANDOFF MISSILE	411	482,525	411	482,525	411	482,525			411	482,525
006	SIDELINDER (AIM-9X)	355	160,408	355	160,408	355	160,408			355	160,408
007	AMRAAM	220	332,250	220	332,250	220	332,250			220	332,250
008	PREDATOR HELFIRE MISSILE	1,531	118,860	1,531	118,860	1,531	118,860			1,531	118,860
	Unit cost savings				[-7,700]						
009	SMALL DIAMETER BOMB	7,078	275,438	7,078	275,438	7,078	275,438			7,078	275,438
010	SMALL DIAMETER BOMB II	1,175	212,434	1,175	212,434	1,175	212,434			1,175	212,434
	Unit cost growth				[-11,000]						
	INDUSTRIAL FACILITIES										
011	INDUSTRL PREPAREDNS/POL PREVENTION		801		801		801				801
	CLASS IV										
012	ICBM FUZE MOD	6	5,000	6	5,000	6	5,000			6	5,000
013	ICBM FUZE MOD		14,497		14,497		14,497				14,497
014	MM III MODIFICATIONS		50,831		50,831		50,831		8,874		59,705
	Air Force requested transfer						[8,900]		[8,874]		294
015	AGM-65D MAVERICK		294		294		294				294
016	AIR LAUNCH CRUISE MISSILE (ALCM)		77,387		77,387		77,387				77,387
	Air Force requested transfer						[-8,900]		[-8,874]		68,513

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Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
002	CARTRIDGES		140,449		140,449		140,449				140,449
	BOMBS										
003	PRACTICE BOMBS		29,313		29,313		29,313				29,313
004	GENERAL PURPOSE BOMBS		85,885		85,885		85,885				85,885
006	JOINT DIRECT ATTACK MUNITION	37,000	1,066,224	37,000	1,066,224	37,000	1,066,224		-32,000	37,000	1,034,224
	LIDAM sensor cost adjustment				[-10,000]						
	Talkit unit cost adjustment				[-37,000]						[-32,000]
007	B61	533	80,773	533	80,773	533	80,773			533	80,773
	OTHER ITEMS										
009	CADPAD		47,069		47,069		47,069				47,069
010	EXPLOSIVE ORDNANCE DISPOSAL (EOD)		6,133		6,133		6,133				6,133
011	SPARES AND REPAIR PARTS		533		533		533				533
012	MODIFICATIONS		1,291		1,291		1,291				1,291
013	ITEMS LESS THAN \$5,000,000		1,677		1,677		1,677				1,677
015	FLARES		36,116		36,116		36,116				36,116
	Program decrease				[-14,000]						
016	FUZES		1,734		1,734		1,734				1,734
	SMALL ARMS										
017	SMALL ARMS		37,496		37,496		37,496				37,496
	Program decrease				[-5,000]						
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	37,533	1,867,961	37,533	1,583,961	37,533	1,867,961		-50,200	37,533	1,617,761
	OTHER PROCUREMENT, AIR FORCE										
001	PASSENGER CARRYING VEHICLES		15,238		15,238		15,238				15,238
002	CARGO AND UTILITY VEHICLES		34,616		34,616		34,616				34,616
	Unjustified unit cost increases				[-5,000]						
003	CAP VEHICLES		1,040		1,040		1,040		2,527		3,567
	Program increase—communications				[1,867]				[1,867]		

004	Program increase—vehicles		[660]		
	CARGO AND UTILITY VEHICLES	23,133	23,133	23,133	23,133
	Program increase		(455)		
	Program reduction		[−5,000]		
005	SPECIAL PURPOSE VEHICLES				
	JOINT LIGHT TACTICAL VEHICLE	32,027	32,027	32,027	32,027
	Program reduction		[−10,000]		
006	SECURITY AND TACTICAL VEHICLES	1,315	1,315	1,315	1,315
007	SPECIAL PURPOSE VEHICLES	14,593	14,593	9,593	14,593
	Program reduction—prior year carryover		[−5,000]		
008	FIRE FIGHTING EQUIPMENT				
	FIRE FIGHTING/GRASH RESCUE VEHICLES	28,604	28,604	28,604	28,604
009	MATERIALS HANDLING EQUIPMENT				
	MATERIALS HANDLING VEHICLES	21,848	21,848	21,848	21,848
010	BASE MAINTENANCE SUPPORT				
	RUNWAY SNOW REMOV AND CLEANING EQ	2,925	2,925	3,259	2,925
	Program increase		[334]		
011	BASE MAINTENANCE SUPPORT VEHICLES	55,776	55,776	52,876	55,776
	Program increase		[2,100]		
	Program reduction		[−5,000]		
013	COMM SECURITY EQUIPMENT(COMSEC)				
	COMSEC EQUIPMENT	91,461	91,461	91,461	91,461
014	INTELLIGENCE PROGRAMS				
	INTERNATIONAL INTEL TECH & ARCHITECTURES	11,386	11,386	11,386	11,386
015	INTELLIGENCE TRAINING EQUIPMENT	7,619	7,619	7,619	7,619
016	INTELLIGENCE COMM EQUIPMENT	35,558	35,558	32,058	35,558
	IMAD unjustified procurement				
	ELECTRONICS PROGRAMS				
017	AIR TRAFFIC CONTROL & LANDING SYS	17,939	17,939	17,939	17,939
019	BATTLE CONTROL SYSTEM—FIXED	3,063	3,063	3,063	3,063
021	WEATHER OBSERVATION FORECAST	31,447	31,447	31,447	31,447
022	STRATEGIC COMMAND AND CONTROL	5,090	5,090	5,090	5,090
023	CHEYENNE MOUNTAIN COMPLEX	10,145	10,145	10,145	10,145
024	MISSION PLANNING SYSTEMS	14,508	14,508	14,508	14,508
026	INTEGRATED STRAT PLAN & ANALY NETWORK (SPAN)	9,901	9,901	9,901	9,901
	SPCL COMM-ELECTRONICS PROJECTS				
027	GENERAL INFORMATION TECHNOLOGY	26,933	26,933	26,933	26,933
028	AF GLOBAL COMMAND & CONTROL SYS	2,756	2,756	2,756	2,756
029	BATTLEFIELD AIRBORNE CONTROL NODE (BACN)	48,478	48,478	48,478	48,478
030	MOBILITY COMMAND AND CONTROL	21,186	21,186	21,186	21,186

−3,500
[−3,500]

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
031	AIR FORCE PHYSICAL SECURITY SYSTEM		178,361		158,361		178,361				178,361
	Program reduction		(-20,000)								
032	COMBAT TRAINING RANGES		233,993	2	247,593	4	261,993	4	28,000	4	261,993
	Joint threat emitter increase		[13,600]	[2]		[4]		[4]	[28,000]		
033	MINIMUM ESSENTIAL EMERGENCY COMM N		132,648		132,648		132,648				132,648
034	WIDE AREA SURVEILLANCE (WAS)		80,818		47,929		80,818		-38,700		42,118
	Program decrease—realignment to RDAF-155		(-12,889)						[-38,700]		
035	C3 COUNTERMEASURES		25,036		25,036		25,036				25,036
036	INTEGRATED PERSONNEL AND PAY SYSTEM		20,900		15,693		[-20,900]		-20,900		
	Poor agile implementation								[-20,900]		
	Program decrease		[-5,207]								
037	GCSS-AF FOS		11,226		11,226		11,226				11,226
038	DEFENSE ENTERPRISE ACCOUNTING & MGT SYS		1,905		1,905		1,905				1,905
039	MAINTENANCE REPAIR & OVERHAUL INITIATIVE		1,912		1,912		1,912				1,912
040	THEATER BATTLE MGT C2 SYSTEM		6,337		6,337		6,337				6,337
041	AIR & SPACE OPERATIONS CENTER (AOC)		33,243		33,243		33,243				33,243
	AIR FORCE COMMUNICATIONS										
043	BASE INFORMATION TRANSPORT INFRAST (BITI) WIRED		69,530		59,530		69,530		-7,250		62,280
	Program decrease		[-10,000]								
	Restoring acquisition accountability								[-7,250]		
044	AFNET		147,063		147,063		147,063				147,063
045	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)		6,505		6,505		6,505				6,505
046	USCENTCOM		20,190		20,190		20,190				20,190
047	USSTRATCOM		11,244		11,244		11,244				11,244
	ORGANIZATION AND BASE										
048	TACTICAL C-E EQUIPMENT		143,757		143,757		143,757				143,757
050	RADIO EQUIPMENT		15,402		15,402		15,402				15,402
051	CCTV/AUDIOVISUAL EQUIPMENT		3,211		3,211		3,211				3,211
052	BASE COMM INFRASTRUCTURE		43,123		43,123		43,123				43,123
	MODIFICATIONS										
053	COMM ELECT MODS		14,500		14,500		14,500				14,500

054	PERSONAL SAFETY & RESCUE EQUIP	50,634	47,634	50,634	50,634
	PERSONAL SAFETY AND RESCUE EQUIPMENT		[--3,000]		
	Unit cost increase and early to need				
055	DEPOT PLANT+MITRIS HANDLING EQ	11,000	11,000	11,000	11,000
056	POWER CONDITIONING EQUIPMENT	11,901	11,901	11,901	11,901
	MECHANIZED MATERIAL HANDLING EQUIP				
057	BASE SUPPORT EQUIPMENT	23,963	23,963	23,963	23,963
058	BASE PROCURED EQUIPMENT	34,124	34,124	34,124	34,124
059	ENGINEERING AND EOD EQUIPMENT	26,439	26,439	26,439	26,439
060	MOBILITY EQUIPMENT	24,255	24,255	24,255	24,255
061	FUELS SUPPORT EQUIPMENT (FSE)	38,986	38,986	38,986	38,986
063	SPECIAL SUPPORT PROJECTS	26,716	55,716	26,716	26,716
	DARP RC135		[29,000]		
	Program increase				
064	DCGS-AF	116,055	116,055	116,055	116,055
066	SPECIAL UPDATE PROGRAM	835,148	835,148	835,148	835,148
066A	CLASSIFIED PROGRAMS	18,292,807	18,292,807	18,292,807	18,292,807
067	CLASSIFIED PROGRAMS	81,340	81,340	81,340	81,340
	SPARES AND REPAIR PARTS	21,286,277	21,286,277	21,348,957	21,303,034
	SPARES AND REPAIR PARTS	2		4	
	TOTAL OTHER PROCUREMENT, AIR FORCE	2	21,286,277	4	21,303,034
					-38,823
					4
022	PROCUREMENT, DEFENSE-WIDE	32	32	32	32
045	MAJOR EQUIPMENT, OSD	1,504	1,504	1,504	1,504
	MAJOR EQUIPMENT, DPAA	43,705	43,705	43,705	43,705
044	MAJOR EQUIPMENT, NSA	1,533	1,533	1,533	1,533
	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)				
	Reassignment to DISA for Sharkseer		[--1,400]		
	Sharkseer transfer				
049	MAJOR EQUIPMENT, WHS	507	507	507	507
	MAJOR EQUIPMENT, WHS				
008	MAJOR EQUIPMENT, DISA	3,318	4,718	4,718	4,718
	INFORMATION SYSTEMS SECURITY		[1,400]		
	Reassignment for Sharkseer				
	Sharkseer transfer				
009	TELEPORT PROGRAM	25,103	25,103	25,103	25,103
010	ITEMS LESS THAN \$5 MILLION	26,416	26,416	26,416	26,416
012	DEFENSE INFORMATION SYSTEM NETWORK	17,574	17,574	17,574	17,574

SEC. 4101. PROCUREMENT
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
014	WHITE HOUSE COMMUNICATION AGENCY		45,079		45,079		45,079				45,079
015	SENIOR LEADERSHIP ENTERPRISE		78,669		78,669		78,669				78,669
016	JOINT REGIONAL SECURITY STACKS (JRSS)		88,000		83,000		88,000				88,000
	Program decrease				[-5,000]						
017	JOINT SERVICE PROVIDER		107,907		107,907		107,907				107,907
019	MAJOR EQUIPMENT, DIA		8,122		8,122		8,122				8,122
023	MAJOR EQUIPMENT, DSS		496		496		496				496
046	MAJOR EQUIPMENT, TJS		6,905		6,905		6,905				6,905
047	MAJOR EQUIPMENT—TJS CYBER		1,458		1,458		1,458				1,458
028	MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY										
	THAAD	37	425,863	37	425,863						388,543
	THAAD program transfer to Army					[-37]	[-425,863]				
	Unit cost savings										
029	GROUND BASED MIDCOURSE		9,471		9,471		9,471				9,471
031	AEGIS BMD	37	600,773	37	600,773	37	600,773			37	565,374
	SM-3 Block 1B multiyear unit cost savings										[-35,399]
032	AEGIS BMD		96,995		96,995		96,995				96,995
033	BMDs ANVTY-2 RADARS		10,046		10,046		10,046				10,046
034	ARROW 3 UPPER TIER SYSTEMS	1	55,000	1	55,000	1	55,000			1	55,000
035	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)	1	50,000	1	50,000	1	50,000			1	50,000
036	AEGIS ASHORE PHASE III	1	25,659	1	25,659	1	25,659			1	25,659
037	IRON DOME	1	95,000	1	95,000	1	95,000			1	95,000
038	AEGIS BMD HARDWARE AND SOFTWARE	36	124,986	36	124,986	36	124,986			36	124,986
003	PERSONNEL ADMINISTRATION		5,030		5,030		5,030				5,030
025	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY										
	VEHICLES		211		211		211				211
026	OTHER MAJOR EQUIPMENT		11,521		11,521		11,521				11,521
021	MAJOR EQUIPMENT, DODEA										
	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS		1,320		1,320		1,320				1,320

002	MAJOR EQUIPMENT, DCMA	2,432	2,432	2,432	2,432		
	MAJOR EQUIPMENT						2,432
020	MAJOR EQUIPMENT, DMACT	10,961	10,961	10,961	10,961		10,961
	MAJOR EQUIPMENT						10,961
049A	CLASSIFIED PROGRAMS	589,366	589,366	589,366	589,366		589,366
	CLASSIFIED PROGRAMS						589,366
	AVIATION PROGRAMS						
053	ROTARY WING UPGRADES AND SUSTAINMENT	172,020	172,020	172,020	172,020		172,020
054	UNMANNED ISR	15,208	15,208	15,208	15,208		15,208
055	NON-STANDARD AVIATION	32,310	32,310	32,310	32,310		32,310
056	U-28	10,898	10,898	10,898	10,898		10,898
057	MH-47 CHINOOK	173,812	173,812	173,812	173,812		173,812
	Excess growth	[-3,500]	[-3,500]	[-3,500]	[-3,500]		[-3,500]
058	CV-22 MODIFICATION	17,256	17,256	17,256	17,256		17,256
059	MQ-9 UNMANNED AERIAL VEHICLE	5,338	5,338	5,338	5,338		5,338
060	PRECISION STRIKE PACKAGE	232,930	232,930	232,930	232,930		232,930
061	AC/MC-130J	173,419	173,419	164,619	164,619	-8,400	165,019
	Realignment to Future Vertical Lift	[-8,800]	[-8,800]	[-8,800]	[-8,800]		[-8,800]
	RFM excess to need	[-3,000]	[-3,000]	[-3,000]	[-3,000]		[-3,000]
	RFM realignment to RDAF FVL	[-8,500]	[-8,500]	[-8,500]	[-8,500]		[-8,500]
	RFM schedule delay						
062	C-130 MODIFICATIONS	15,582	15,582	15,582	15,582		15,582
	SHIPBUILDING						
063	UNDERWATER SYSTEMS	58,991	58,991	58,991	58,991		58,991
	AMMUNITION PROGRAMS						
064	ORDNANCE ITEMS <\$5M	279,992	279,992	279,992	279,992		279,992
	OTHER PROCUREMENT PROGRAMS						
065	INTELLIGENCE SYSTEMS	100,641	100,641	100,641	100,641		100,641
066	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	12,522	12,522	12,522	12,522		12,522
067	OTHER ITEMS <\$5M	103,910	103,910	103,910	103,910		103,910
068	COMBATANT CRAFT SYSTEMS	33,088	33,088	33,088	33,088		33,088
069	SPECIAL PROGRAMS	63,467	63,467	63,467	63,467		63,467
070	TACTICAL VEHICLES	77,832	77,832	77,832	77,832		77,832
071	WARRIOR SYSTEMS <\$5M	298,480	298,480	298,480	298,480		298,480
072	COMBAT MISSION REQUIREMENTS	19,702	19,702	19,702	19,702		19,702
073	GLOBAL VIDEO SURVEILLANCE ACTIVITIES	4,787	4,787	4,787	4,787		4,787
074	OPERATIONAL ENHANCEMENTS INTELLIGENCE	8,175	8,175	8,175	8,175		8,175
075	OPERATIONAL ENHANCEMENTS	282,532	282,532	282,532	282,532		282,532
	CBDP						
076	CHEMICAL-BIOLOGICAL SITUATIONAL AWARENESS	162,406	162,406	162,406	162,406		162,406

SEC. 4101. PROCUREMENT (In Thousands of Dollars)													
Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized		Cost	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost		
077	CB PROTECTION & HAZARD MITIGATION		188,188		188,188		188,188		-4,570			183,618	
	Unjustified growth								(-4,570)				
	TOTAL PROCUREMENT, DEFENSE-WIDE	146	5,114,416	146	5,085,616	109	4,679,753		-85,689	146		5,028,727	
JOINT URGENT OPERATIONAL NEEDS FUND													
JOINT URGENT OPERATIONAL NEEDS FUND													
001	JOINT URGENT OPERATIONAL NEEDS FUND		99,200				99,200		-99,200				
	Program decrease				(-99,200)				(-99,200)				
	TOTAL JOINT URGENT OPERATIONAL NEEDS FUND		99,200				99,200		-99,200				
	TOTAL PROCUREMENT	73,342	132,343,701	73,275	130,640,508	73,394	135,071,365	41	756,564	73,383		133,100,265	

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS.

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
AIRCRAFT PROCUREMENT, ARMY											
FIXED WING											
003	MQ-1 UAV	6	54,000	6	54,000	6	54,000			6	54,000
ROTARY											
015	CH-47 HELICOPTER		25,000		25,000		25,000				25,000
MODIFICATION OF AIRCRAFT											
021	MULTI SENSOR ABN RECON (MIP)		80,260		80,260		80,260				80,260
024	GRCS SEMA MODS (MIP)		750		750		750				750
026	EMARSS SEMA MODS (MIP)		22,180		22,180		22,180				22,180
027	UTILITY/CARGO AIRPLANE MODS		8,362		8,362		8,362				8,362
029	NETWORK AND MISSION PLAN		10		10		10				10
031	DEGRADED VISUAL ENVIRONMENT		49,450		49,450		49,450				49,450
GROUND SUPPORT AVIONICS											
Early to need											
037	CMWS		130,219		130,219		130,219				130,219
038	COMMON INFRARED COUNTERMEASURES (CIRCIM)		9,310		9,310		9,310				9,310
OTHER SUPPORT											
045	LAUNCHER GUIDED MISSILE: LONGBOW HELFIRE XM2	12	2,000	12	2,000	12	2,000			12	2,000
	TOTAL AIRCRAFT PROCUREMENT, ARMY	18	381,541	18	332,091	18	381,541			18	381,541
MISSILE PROCUREMENT, ARMY											
SURFACE-TO-AIR MISSILE SYSTEM											
002	M-SHORAD—PROCUREMENT	27	158,300	27	158,300	27	158,300			27	158,300
003	MSE MISSILE	9	37,938	9	37,938	9	37,938			9	37,938
006	AIR-TO-SURFACE MISSILE SYSTEM										
	HELFIRE SYS SUMMARY	3,242	236,265	3,242	236,265	3,242	236,265			3,242	236,265
ANTI-TANK/ASSAULT MISSILE SYS											
008	JAVELIN (AAWS-M) SYSTEM SUMMARY	25	4,389	25	4,389	25	4,389			25	4,389
011	GUIDED MIRS ROCKET (GMIRS)	3,364	431,596	3,364	431,596	3,364	431,596			3,364	431,596
014	ARMY TACTICAL MSL SYS (ATACMS)—SYS SUM	94	130,770	94	130,770	94	130,770			94	130,770

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
015	LETHAL MINATURE AERIAL MISSILE SYSTEM (LMAMS)	1,835	83,300	1,835	83,300	1,835	83,300			1,835	83,300
	MODIFICATIONS										
019	STINGER MODS		7,500		7,500		7,500				7,500
022	MILRS MODS		348,000		325,000		348,000		-11,500		336,500
	Excess to need				[-23,000]						
	TOTAL MISSILE PROCUREMENT, ARMY	8,596	1,438,058	8,596	1,415,058	8,596	1,438,058		-11,500	8,596	1,426,558
	PROCUREMENT OF W&TCV, ARMY										
	TRACKED COMBAT VEHICLES										
002	ARMORED MULTI PURPOSE VEHICLE (AMPV)	66	221,638	66	221,638	66	221,638			66	221,638
	MODIFICATION OF TRACKED COMBAT VEHICLES										
003	STRYKER (MOD)		4,100		4,100		4,100				4,100
008	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	16	80,146	16	80,146	16	80,146			16	80,146
013	M1 ABRAMS TANK (MOD)		13,100		13,100		13,100				13,100
	WEAPONS & OTHER COMBAT VEHICLES										
015	M240 MEDIUM MACHINE GUN (7.62MM)		900		900		900				900
016	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPONS		2,400		2,400		2,400				2,400
019	MORTAR SYSTEMS		18,941		18,941		18,941				18,941
020	XM320 GRENADE LAUNCHER MODULE (GLM)		526		526		526				526
023	CARBINE		1,183		1,183		1,183				1,183
025	COMMON REMOTELY OPERATED WEAPONS STATION		4,182		4,182		4,182				4,182
026	HANDGUN		248		248		248				248
	MOD OF WEAPONS AND OTHER COMBAT VEH										
031	M2 30 CAL MACHINE GUN MODS		6,090		6,090		6,090				6,090
	TOTAL PROCUREMENT OF W&TCV, ARMY	82	353,454	82	353,454	82	353,454			82	353,454
	PROCUREMENT OF AMMUNITION, ARMY										
	SMALL/MEDIUM CAL AMMUNITION										
001	CTG, 5.56MM, ALL TYPES		567		567		567				567
002	CTG, 7.62MM, ALL TYPES		40		40		40				40
003	CTG, HANDGUN, ALL TYPES		17		17		17				17
004	CTG, .50 CAL, ALL TYPES		189		189		189				189
007	CTG, 30MM, ALL TYPES		24,900		24,900		24,900				24,900

015	ARTILLERY AMMUNITION	304	36,052	36,052	304	36,052	36,052
016	PROJ 155MM EXTENDED RANGE M982	304	7,271	7,271			7,271
	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL						
	ROCKETS						
018	SHOULDER LAUNCHED MUNITIONS, ALL TYPES		176	176		176	176
019	ROCKET, HYDRA 70, ALL TYPES		79,459	79,459		79,459	79,459
	MISCELLANEOUS						
027	ITEMS LESS THAN \$5 MILLION (AMMO)	11	11	11	304	11	11
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	304	148,682	148,682	304	148,682	148,682
	OTHER PROCUREMENT, ARMY						
	TACTICAL VEHICLES						
010	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)		26,917	26,917		26,917	26,917
011	PLS ESP		16,941	16,941		16,941	16,941
012	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV		62,734	62,734		62,734	62,734
014	TACTICAL WHEELED VEHICLE PROTECTION KITS		50,000	50,000		50,000	50,000
015	MODIFICATION OF IN SVC EQUIP		28,000	28,000		28,000	28,000
	COMM—JOINT COMMUNICATIONS						
022	TACTICAL NETWORK TECHNOLOGY MOD IN SVC		40,000	40,000		40,000	40,000
	COMM—SATELLITE COMMUNICATIONS						
029	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS		6,930	6,930		6,930	6,930
031	ASSURED POSITIONING, NAVIGATION AND TIMING		11,778	11,778		11,778	11,778
032	SMART-T (SPACE)		825	825		825	825
	COMM—COMBAT COMMUNICATIONS						
040	RADIO TERMINAL SET, MDS LVT(2)		350	350		350	350
047	COTS COMMUNICATIONS EQUIPMENT		20,400	20,400		20,400	20,400
048	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE		1,231	1,231		1,231	1,231
	COMM—INTELLIGENCE COMM						
051	CI AUTOMATION ARCHITECTURE (MIP)		6,200	6,200		6,200	6,200
	COMM—LONG HAUL COMMUNICATIONS						
059	BASE SUPPORT COMMUNICATIONS		20,482	20,482		20,482	20,482
	Insufficient budget justification		[—5,000]				
	COMM—BASE COMMUNICATIONS						
060	INFORMATION SYSTEMS		55,800	55,800		55,800	55,800
	Unjustified growth		[—5,000]				
063	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM		75,820	75,820		75,820	75,820
	ELECT EQUIP—TACT INT REL ACT (TIARA)						
068	DGGS-A (MIP)		38,613	38,613		38,613	38,613
070	TROJAN (MIP)		1,337	1,337		1,337	1,337
071	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)		2,051	2,051		2,051	2,051

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
075	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP)		1,800		1,800		1,800				1,800
	ELECT EQUIP—ELECTRONIC WARFARE (EW)										
082	FAMILY OF PERSISTENT SURVEILLANCE CAP. (MIP)		71,493		31,493		71,493		-40,000		31,493
	Unjustified growth				[-40,000]						
083	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES		6,917		6,917		6,917				6,917
	ELECT EQUIP—TACTICAL SURV. (TAC SURV)										
085	SENTINEL MODS		20,000		20,000		20,000				20,000
086	NIGHT VISION DEVICES		3,676		3,676		3,676				3,676
094	JOINT BATTLE COMMAND—PLATFORM (JBC-P)		25,568		25,568		25,568				25,568
097	COMPUTER BALLISTICS: LHMC XMS2		570		570		570				570
098	MORTAR FIRE CONTROL SYSTEM		15,975		15,975		15,975				15,975
103	ELECT EQUIP—TACTICAL C2 SYSTEMS										
	AIR & MSL DEFENSE PLANNING & CONTROL SYS		14,331		14,331		14,331				14,331
	ELECT EQUIP—AUTOMATION										
112	ARMY TRAINING MODERNIZATION		6,014		6,014		6,014				6,014
113	AUTOMATED DATA PROCESSING EQUIP		32,700		32,700		32,700				32,700
	CHEMICAL DEFENSIVE EQUIPMENT										
124	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)		25,480		25,480		25,480				25,480
125	BASE DEFENSE SYSTEMS (BDS)		47,110		47,110		47,110				47,110
	Unjustified growth								-7,126		
126	CBRN DEFENSE		18,711		18,711		18,711		[-7,126]		
	Unit cost discrepancies								[-1,250]		
	BRIDGING EQUIPMENT										
128	TACTICAL BRIDGING		4,884		4,884		4,884				4,884
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT										
133	GRND STANDOFF MINE DETECTN SYM (GSTMIDS)		4,500		4,500		4,500				4,500
	Program reduction								-845		
135	HUSKY MOUNTED DETECTION SYSTEM (HMDS)		34,253		34,253		34,253		[-845]		
	Program reduction								[-6,182]		
136	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS)		3,300		3,300		3,300				3,300
140	RENDER SAFE SETS KITS OUTFITS		84,000		84,000		84,000				84,000
	COMBAT SERVICE SUPPORT EQUIPMENT										
143	HEATERS AND ECUS		8		8		8				8

145	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	5,101	5,101	5,101	5,101	5,101
146	GROUND SOLDIER SYSTEM	1,760	1,760	1,760	1,760	1,760
148	FORCE PROVIDER	56,400	56,400	56,400	56,400	56,400
150	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	2,040	2,040	2,040	2,040	2,040
154	PETROLEUM EQUIPMENT					
	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	13,986	13,986	13,986	13,986	13,986
155	MEDICAL EQUIPMENT					
	COMBAT SUPPORT MEDICAL	2,735	2,735	2,735	2,735	2,735
159	CONSTRUCTION EQUIPMENT					
	SCRAPERS, EARTHMOVING	4,669	4,669	4,669	4,669	4,669
160	LOADERS	380	380	380	380	380
162	TRACTOR, FULL TRACKED	8,225	8,225	8,225	8,225	8,225
164	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	3,000	3,000	3,000	3,000	3,000
166	CONST EQUIP ESP	3,870	3,870	3,870	3,870	3,870
167	ITEMS LESS THAN \$5.0M (CONST EQUIP)	350	350	350	350	350
171	GENERATORS					
	GENERATORS AND ASSOCIATED EQUIP	2,436	2,436	2,436	2,436	2,436
173	MATERIAL HANDLING EQUIPMENT					
	FAMILY OF FORKLIFTS	5,152	5,152	5,152	5,152	5,152
175	TRAINING EQUIPMENT					
	TRAINING DEVICES, NONSYSTEM	2,106	2,106	2,106	2,106	2,106
181	TEST MEASURE AND DIG EQUIPMENT (TMD)					
	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	1,395	1,395	1,395	1,395	1,395
184	OTHER SUPPORT EQUIPMENT					
	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	24,122	24,122	24,122	24,122	24,122
185	PHYSICAL SECURITY SYSTEMS (OPA3)	10,016	10,016	10,016	10,016	10,016
187	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	33,354	33,354	33,354	33,354	33,354
189	BUILDING, PRE-FAB, RELOCATABLE	62,654	62,654	62,654	62,654	62,654
	TOTAL OTHER PROCUREMENT, ARMY	1,131,450	1,131,450	1,131,450	1,131,450	1,076,047
	AIRCRAFT PROCUREMENT, NAVY					
026	OTHER AIRCRAFT					
	STUAS10 UAV	7,921	7,921	7,921	7,921	7,921
027	MQ-9A REAPER	77,000	77,000	77,000	77,000	77,000
	Unjustified OCO request					
	MODIFICATION OF AIRCRAFT					
036	EP-3 SERIES	5,488	5,488	5,488	5,488	5,488
046	SPECIAL PROJECT AIRCRAFT	3,498	3,498	3,498	3,498	3,498
051	COMMON ECM EQUIPMENT	3,406	3,406	3,406	3,406	3,406
053	COMMON DEFENSIVE WEAPON SYSTEM	3,274	3,274	3,274	3,274	3,274
	TOTAL OTHER PROCUREMENT, NAVY	87,405	87,405	87,405	87,405	87,405
	TOTAL OTHER PROCUREMENT	1,218,855	1,218,855	1,218,855	1,218,855	1,163,452
	NET CHANGE					-55,403
	STARTING BALANCE					1,274,258
	ENDING BALANCE					1,218,855

042	FIXED SURVEILLANCE SYSTEM	310,503			310,503			310,503
	SONOBOYS							
085	SONOBOYS—ALL TYPES	2,910			2,910			2,910
	AIRCRAFT SUPPORT EQUIPMENT							
088	AIRCRAFT SUPPORT EQUIPMENT	13,420			13,420			13,420
094	AVIATION SUPPORT EQUIPMENT	500			500			500
	OTHER ORDNANCE SUPPORT EQUIPMENT							
103	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	15,307			15,307			15,307
	CIVIL ENGINEERING SUPPORT EQUIPMENT							
108	PASSENGER CARRYING VEHICLES	173			173			173
109	GENERAL PURPOSE TRUCKS	408			408			408
111	FIRE FIGHTING EQUIPMENT	785			785			785
	SUPPLY SUPPORT EQUIPMENT							
117	SUPPLY EQUIPMENT	100			100			100
118	FIRST DESTINATION TRANSPORTATION	510			510			510
	COMMAND SUPPORT EQUIPMENT							
122	COMMAND SUPPORT EQUIPMENT	2,800			2,800			2,800
123	MEDICAL SUPPORT EQUIPMENT	1,794			1,794			1,794
126	OPERATING FORCES SUPPORT EQUIPMENT	1,090			1,090			1,090
128	ENVIRONMENTAL SUPPORT EQUIPMENT	200			200			200
129	PHYSICAL SECURITY EQUIPMENT	1,300			1,300			1,300
	TOTAL OTHER PROCUREMENT, NAVY	357,600			357,600			357,600
	PROCUREMENT, MARINE CORPS							
	GUIDED MISSILES							
012	GUIDED MLRS ROCKET (GMLRS)	130			130			130
	ENGINEER AND OTHER EQUIPMENT							
045	EOD SYSTEMS	3,670			3,670			3,670
	TOTAL PROCUREMENT, MARINE CORPS	130			130			130
	AIRCRAFT PROCUREMENT, AIR FORCE							
	OTHER AIRCRAFT							
017	MQ-9	9			9			9
018	RQ-20B PUMA	18			18			18
	STRATEGIC AIRCRAFT							
022	LARGE AIRCRAFT INFRARED COUNTERMEASURES	53,335			53,335			53,335
	OTHER AIRCRAFT							
067	MQ-9 JMS PAYLOADS	19,800			19,800			19,800
069	AIRCRAFT SPARES AND REPAIR PARTS	44,560			44,560			44,560

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
072	COMMON SUPPORT EQUIPMENT										
	AIRCRAFT REPLACEMENT SUPPORT EQUIP		7,025		7,025		7,025				7,025
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	27	309,110	27	309,110	27	309,110			27	309,110
	MISSILE PROCUREMENT, AIR FORCE										
	TACTICAL										
004	JOINT AIR-SURFACE STANDOFF MISSILE	19	20,900	19	20,900	19	20,900			19	20,900
008	PREDATOR HELIFIRE MISSILE	2,328	180,771	2,328	180,771	2,328	180,771			2,328	180,771
	TOTAL MISSILE PROCUREMENT, AIR FORCE	2,347	201,671	2,347	201,671	2,347	201,671			2,347	201,671
	PROCUREMENT OF AMMUNITION, AIR FORCE										
	ROCKETS										
001	ROCKETS		84,960		84,960		84,960				84,960
	CARTRIDGES										
002	CARTRIDGES		52,642		52,642		52,642				52,642
	BOMBS										
004	GENERAL PURPOSE BOMBS		545,309		545,309		545,309				545,309
	FLARES										
015	FLARES		93,272		93,272		93,272				93,272
	FUZES										
016	FUZES		157,155		157,155		157,155				157,155
	SMALL ARMS										
017	SMALL ARMS		6,095		6,095		6,095				6,095
	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE		939,433		939,433		939,433				939,433
	OTHER PROCUREMENT, AIR FORCE										
	PASSENGER CARRYING VEHICLES										
001	PASSENGER CARRYING VEHICLES		1,276		1,276		1,276				1,276
	CARGO AND UTILITY VEHICLES										
004	CARGO AND UTILITY VEHICLES		9,702		9,702		9,702				9,702
	SPECIAL PURPOSE VEHICLES										
005	JOINT LIGHT TACTICAL VEHICLE		40,999		40,999		40,999				40,999
007	SPECIAL PURPOSE VEHICLES		52,502		52,502		52,502				52,502

008	FIRE FIGHTING EQUIPMENT	16,652	16,652	16,652	16,652
	FIRE FIGHTING/CRASH RESCUE VEHICLES				
009	MATERIALS HANDLING EQUIPMENT	2,944	2,944	2,944	2,944
	MATERIALS HANDLING VEHICLES				
010	BASE MAINTENANCE SUPPORT	3,753	3,753	3,753	3,753
	RUNWAY SNOW REMOV AND CLEANING EOU				
011	BASE MAINTENANCE SUPPORT VEHICLES	11,837	11,837	11,837	11,837
	SPCL COMM-ELECTRONICS PROJECTS				
027	GENERAL INFORMATION TECHNOLOGY	5,000	5,000	5,000	5,000
031	AIR FORCE PHYSICAL SECURITY SYSTEM	106,919	106,919	106,919	106,919
	ORGANIZATION AND BASE				
048	TACTICAL C-F EQUIPMENT	306	306	306	306
052	BASE COMM INFRASTRUCTURE	4,300	4,300	4,300	4,300
054	PERSONAL SAFETY & RESCUE EQUIP	22,200	22,200	22,200	22,200
	PERSONAL SAFETY AND RESCUE EQUIPMENT				
	BASE SUPPORT EQUIPMENT				
059	MOBILITY EQUIPMENT	26,535	26,535	26,535	26,535
060	FUELS SUPPORT EQUIPMENT (FSE)	4,040	4,040	4,040	4,040
061	BASE MAINTENANCE AND SUPPORT EQUIPMENT	20,067	20,067	20,067	20,067
066A	CLASSIFIED PROGRAMS	3,209,066	3,209,066	3,209,066	3,209,066
	TOTAL OTHER PROCUREMENT, AIR FORCE	3,538,098	3,538,098	3,538,098	3,538,098
	PROCUREMENT, DEFENSE-WIDE				
009	MAJOR EQUIPMENT, DISA	3,800	3,800	3,800	3,800
	TELEPORT PROGRAM				
012	DEFENSE INFORMATION SYSTEM NETWORK	12,000	12,000	12,000	12,000
027	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY	4,590	4,590	4,590	4,590
	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES				
049A	CLASSIFIED PROGRAMS	51,380	51,380	51,380	51,380
	Program decrease				
				
	AVIATION PROGRAMS				
050	MANNED ISR	5,000	5,000	5,000	5,000
051	MC-12	5,000	5,000	5,000	5,000
052	MH-60 BLACKHAWK	28,100	28,100	28,100	28,100
054	UNMANNED ISR	8,207	8,207	8,207	8,207
056	U-28	31,500	31,500	31,500	31,500
057	MH-47 CHINOOK	34,500	34,500	34,500	34,500
	Excess growth				
				
		-5,000		-5,000	
		[--5,000]		[--5,000]	

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
059	MQ-9 UNMANNED AERIAL VEHICLE		1,900		1,900		1,900				1,900
	AMMUNITION PROGRAMS										
064	ORDNANCE ITEMS <\$5M		138,252		138,252		138,252				138,252
	OTHER PROCUREMENT PROGRAMS										
065	INTELLIGENCE SYSTEMS		16,500		16,500		16,500				16,500
067	OTHER ITEMS <\$5M		28		28		28				28
070	TACTICAL VEHICLES		2,990		2,990		2,990				2,990
071	WARRIOR SYSTEMS <\$5M		37,512		37,512		37,512				37,512
072	COMBAT MISSION REQUIREMENTS		10,000		10,000		10,000				10,000
074	OPERATIONAL ENHANCEMENTS INTELLIGENCE		7,594		7,594		7,594				7,594
075	OPERATIONAL ENHANCEMENTS		45,194		45,194		45,194				45,194
	TOTAL PROCUREMENT, DEFENSE-WIDE		447,047		447,047		447,047		-5,000		442,047
	NATIONAL GUARD AND RESERVE EQUIPMENT										
	UNDISTRIBUTED										
007	UNDISTRIBUTED		415,000		415,000		415,000		265,000		265,000
	Program increase		[415,000]		[415,000]		[415,000]		[265,000]		[265,000]
	TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT		415,000		415,000		415,000		265,000		265,000
	TOTAL PROCUREMENT	12,433	9,688,058	12,430	9,900,608	12,433	9,688,058		193,097	12,433	9,881,155

SEC. 4103. PROCUREMENT FOR EMERGENCY REQUIREMENTS.

SEC. 4103. PROCUREMENT FOR EMERGENCY REQUIREMENTS
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
	OTHER PROCUREMENT, NAVY										
	COMMAND SUPPORT EQUIPMENT		0						233,000		233,000
122	COMMAND SUPPORT EQUIPMENT								(233,000)		
	Earthquake damage recovery								233,000		233,000
	TOTAL PROCUREMENT, NAVY										
	AIRCRAFT PROCUREMENT, AIR FORCE										
	TACTICAL FORCES										
	OTHER AIRCRAFT		0						204,448		204,448
055	RC-135								[204,448]		
	Equipment replacement										
	COMMON SUPPORT EQUIPMENT								46,000		46,000
072	AIRCRAFT REPLACEMENT SUPPORT EQUIP								[46,000]		
	Equipment replacement								250,448		250,448
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE		0								
	OTHER PROCUREMENT, AIR FORCE										
	PASSENGER CARRYING VEHICLES								994		994
001	PASSENGER CARRYING VEHICLES								[994]		
	Equipment replacement										
	CARGO AND UTILITY VEHICLES								126		126
004	CARGO AND UTILITY VEHICLES								[126]		
	Equipment replacement										
	SPECIAL PURPOSE VEHICLES								306		306
007	SPECIAL PURPOSE VEHICLES								[306]		
	Equipment replacement										
	FIRE FIGHTING EQUIPMENT								276		276
009	MATERIALS HANDLING VEHICLES								[994]		
	Equipment replacement										
	BASE MAINTENANCE SUPPORT										

SEC. 4103. PROCUREMENT FOR EMERGENCY REQUIREMENTS
(In Thousands of Dollars)

Line	Item	FY 2020 Request		House Authorized		Senate Authorized		Conference Change		Conference Authorized	
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
011	BASE MAINTENANCE SUPPORT VEHICLES Equipment replacement		0						2,400 (994)		2,400
057	BASE SUPPORT EQUIPMENT BASE PROCURED EQUIPMENT Equipment replacement		0						49,434 (49,434)		49,434
063	SPECIAL SUPPORT PROJECTS DARP RCL35 Equipment replacement		0						29,438 (29,438)		29,438
	TOTAL OTHER PROCUREMENT, AIR FORCE		0						82,974		82,974
	TOTAL PROCUREMENT		0						566,422		566,422

