

## **SUMMARY OF TECHNICAL CORRECTIONS & AMENDMENTS** **OFFERED TO THE DEFENSE APPROPRIATIONS BILL**

1. Bill and report language for Senator Shelby regarding National Guard Counter-Drug funding.
2. Report language for Senator Baldwin regarding Heavy Expanded Mobile Tactical Truck funding.
3. Report language for Senator Hyde-Smith regarding Multi-Mission Payload-Medium.
4. Report language for Senator Manchin regarding cyber vulnerability assessments.
5. Report language for Senator Murkowski regarding advanced Electric Vertical Take Off and Landing Unmanned Aerial System.
6. Report language for Senators Udall and Hoeven regarding commercial artificial intelligence solutions.
7. Report language for Senator Murkowski regarding arctic mobility.
8. Report language for Senator Manchin regarding the C-130 industrial base.
9. Report language for Senator Murkowski regarding hostile environment outerwear.
10. Report language for Senator Van Hollen regarding USD(I) funding increase.
11. Report language for Senator Rubio regarding disaster relief assistance to the Bahamas.
12. Report language for Senator Van Hollen regarding Nuclear Sea-Launched Cruise Missile analysis of alternatives.
13. Report language for Senators Blunt and Durbin regarding F-15EX funding.

1. For Senator Shelby:

Bill language:

In title VI of the bill, under the heading, "DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE", in the appropriate place, increase the total amount by \$60,000,000; and on page 38 of the bill, strike \$581,739,000 and insert \$517,514,000; and strike \$91,370,000 and insert \$220,595,000; and strike \$30,371,000 and insert \$25,371,000. And on page 2 of the bill, under the heading, "MILITARY PERSONNEL, ARMY", decrease the amount by \$60,000,000.

Report language:

On page 264, under the heading "Drug Interdiction and Counter-Drug Activities, Defense", in the line titled "National Guard Counter-Drug Program", insert the following:

Line	Item	Change from budget estimate
030	National Guard Counter-Drug Program	
	Program increase	+65,000
	Transfer: From line 010 For National Guard Counter-Drug support	+64,225

On page 264, under the heading "Drug Interdiction and Counter-Drug Activities, Defense", in the line titled "Counter-Narcotics Support", insert the following:

Line	Item	Change from budget estimate
010	Counter-Narcotics Support	
	Transfer: To line 030 for National Guard Counter-Drug support	-64,225

On page 264, under the heading "Drug Interdiction and Counter-Drug Activities, Defense", in the line titled "National Guard Counter-Drug Schools", for the entry "Program increase", substitute the following:

Line	Item	Change from budget estimate
040	National Guard Counter-Drug Schools	
	Program increase	+20,000

On page 26, under the heading "Military Personnel, Army", insert the following undistributed adjustment:

Line	Item	Change from budget estimate
UNDIST	Improving funds management: Historical underexecution	-60,000

2. For Senator Baldwin:

Report language:

On page 107, under the heading “Other Procurement, Army”, add a line titled “Heavy Expanded Mobile Tactical Truck Ext Serv”, and insert the following:

Line	Item	Change from budget estimate
12	Heavy Expanded Mobile Tactical Truck Ext Serv Program increase	+64,344

On page 107, under the heading “Other Procurement, Army”, in the line titled “Night Vision Devices”, insert the following:

Line	Item	Change from budget estimate
86	Night Vision Devices Restoring acquisition accountability: ENVG-B ONS excess to need	-64,344

3. For Senator Hyde-Smith:

Report language:

On page 246, following the section on Cheyenne Mountain Cyber Resiliency Efforts, the report language is amended by inserting “Multi-Mission Payload–Medium—The Committee is concerned by the recent decision of the United States Special Operations Command [SOCOM] to transfer funds away from the Multi-Mission Payload-Medium [MMP-M] prior to developmental and operational testing needed to field this capability. The MMP-M system was recently outfitted on a modified aircraft and was set to begin operational testing in Q4 FY19 at the request of the Army Special Operations Command in order to expand its capabilities on the physical and digital battlefield. Given the funding and time spent on modifying the MMP-M system and aircraft, it would be fiscally and operationally prudent to follow through with the required testing. The Committee directs the United States Special Operations Command to finish operational testing on the MMP-M system using previously appropriated funds for this effort and provide a report to the congressional defense committees on the results of the testing.”

4. For Senator Manchin:

Report language:

On page 219, following the section on Advanced Additive Technologies for Sustainment of Navy Assets, the report language is amended by inserting “*Cyber Vulnerability Assessments and Evaluations.*—The Committee recognizes the importance of the Cyber Vulnerability Assessments and Evaluations program within Research, Development, Test and Evaluation, Navy, which is intended to assess cyber

vulnerabilities of major Navy weapons systems and critical shore infrastructure. The Committee supports full funding for these activities.”

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5. For Senator Murkowski:

Report language:

On page 246, following the section on Cheyenne Mountain Cyber Resiliency Efforts, the report language is amended by inserting “*Advanced Electric Vertical Take Off and Landing Unmanned Aerial System for Distributed Logistics and Test Range.*—As other nations increase their Arctic presence, it is imperative that the U.S. military do the same. Therefore, the Committee urges the Air Force to develop an advanced Electric Vertical Take Off and Landing Unmanned Aerial System, including a five-sensor detect and avoid system, for distributed logistics and a test range to provide for demonstration of the system, including operation in a GPS denied environment and to help meet Arctic defense strategies.”

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6. For Senators Udall and Hoeven:

Report language:

On page 246, following the section on Cheyenne Mountain Cyber Resiliency Efforts, the report language is amended by inserting “*Commercial Artificial Intelligence Solutions.*—The Committee is encouraged by the ongoing rapid fielding of commercially-available technologies, and the contributions made by small businesses, that utilize artificial intelligence for the Department of Defense. Recent advances in commercially available technology have made it possible to develop, manufacture, and deploy technologies that can process information more effectively and efficiently, and at much lower cost than legacy systems. The Joint Artificial Intelligence Center has already identified disaster response and predictive maintenance as two National Mission Initiatives. Accordingly, the Committee recommends that the Defense Innovation Unit identify commercial artificial intelligence solutions in support of those National Mission Initiatives. The Committee also recommends that the Secretary of Defense take steps to enhance the ability of small businesses, which demonstrate the ability to advance artificial intelligence-related capabilities, to compete for Joint Artificial Intelligence Center projects and include a description of such small business efforts in the fiscal year 2021 budget justification materials.”

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7. For Senator Murkowski:

Report language:

On page 219, following the section on Advanced Additive Technologies for Sustainment of Navy Assets, the report language is amended by inserting “*Arctic Mobility.*—The Committee notes that the Arctic Ocean continues to increase in strategic importance. The Committee understands that a new generation of capabilities is necessary to address the Navy’s need for Arctic mobility, to include power projection, search and rescue, humanitarian and disaster relief, and logistical support for scientific research, particularly in remote regions. Therefore, the Committee directs the Secretary of the Navy to complete a comprehensive

review no later than 90 days after enactment of this Act of the Navy's unmet requirements for the Arctic region and to provide a plan to the congressional defense committees to research, develop, prototype, test and evaluate materials and components capable of allowing sustained operation of advanced amphibious vehicles in Arctic, sub-zero temperature conditions."

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8. For Senator Manchin:

Report language:

On page 157, at the end of the section on C-130J Aircraft for the Air National Guard, the report language is amended by inserting "and includes data on impacts on workforce and manufacturing capacity of the existing industrial base supporting the C-130 program."

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9. For Senator Murkowski:

Report language:

On page 198, following the section on Carbon Fiber and Graphite Foam Technology, the report language is amended by inserting "*Hostile Environment Outerwear*.—As the Department continues operations in hostile environments, the Committee believes that improving the clothing of soldiers is a necessity. The Committee encourages the Army to rapidly develop superior cold weather and Arctic clothing for soldiers, expedite the evaluation and integration of technologies and prototype systems from the laboratory to operational use, and integrate fabrics that reduce weight and increase mobility and comfort in combat. This should include hand wear, footwear, and cold/wet protective clothing systems."

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10. For Senator Van Hollen:

Report language:

On page 243, under the heading "Research, Development, Test and Evaluation, Defense-Wide"

After line 132, insert the following:

LINE	ITEM	CHANGE FROM BUDGET REQUEST
134	Defense Agency Initiatives Financial Systems	
	Improving funds management: Unobligated balances	-4,000

On page 243 of the report, under the heading "Research, Development, Test and Evaluation, Defense-Wide"

After line 148, insert the following:

LINE	ITEM	CHANGE FROM BUDGET REQUEST
156	General Support to USD (Intelligence) Program increase	+4,000

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11. For Senator Rubio:

Report language:

On page 43, following the section on Operation and Maintenance Budget Justification, the report language is amended by inserting “*Disaster Relief Assistance to the Bahamas.*—The Committee is deeply concerned about the destruction and devastation in the Bahamas by Hurricane Dorian and appreciates that the Department of Defense has already taken steps to provide humanitarian and disaster relief funding and support, including logistics, transportation, health, and engineering assessments using Overseas Humanitarian, Disaster and Civic Aid [OHDCA] funding. The Committee encourages the Department to continue to prioritize OHDCA funds for these recovery efforts and to report to the congressional defense committees accounting for these expenditures and any additional costs due to damage from Hurricane Dorian to military installations or assets.”

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12. For Senator Van Hollen:

Report language:

On page 219, following the section on Advanced Additive Technologies for Sustainment of Navy Assets, the report language is amended by inserting “*Nuclear Sea-launched Cruise Missile Analysis of Alternatives.*—The Committee notes that the Navy’s budget request includes \$5,000,000 to begin an analysis of alternatives [AoA] for a new Nuclear Sea-launched Cruise Missile [SLCM-N] pursuant to the 2018 Nuclear Posture Review’s call for the “rapid development of a modern SLCM.” The recommendation includes full funding for this request. The Committee directs the Director, Cost Analysis and Program Evaluation [CAPE] to brief the congressional defense and appropriations committees not later than 90 days after the enactment of this Act on the scope and terms of the AoA, to include evaluation criteria thereof. Further, the Committee directs the Comptroller General of the Government Accountability Office [GAO] to review these AoA scope and terms, and brief the congressional defense and appropriations committees not later than 60 days following the Director, CAPE briefings to the congressional defense and appropriations committees of the GAO findings.”

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13. For Senators Blunt and Durbin:

Report language:

On page 19, in the section on F-15EX, the report language is amended by striking “, and such committees approve,”.

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For each of these changes, make the conforming technical corrections in the tables in the report and other number totals throughout the report and bill.