

En Bloc Amendments to H.R. 5515

Subcommittee on Tactical Air and Land Forces En Bloc #1

Log #	Sponsor	Description
372r1	Knight	Authorizes procurement of additional F-35's through the use of program cost savings.
006	Banks	Directs the Secretary of the Army to provide a Congressional briefing to update on the disparity between need for tactical communications and protective systems and procurement levels.
040	Wilson	Directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services by September 28, 2018 on current development efforts to address and resolve concerns regarding electro-optic and infrared sensor capabilities within the SBS program.
076	Cook	Directs the Secretary of the Army to provide a briefing to the HASC concerning the future plans and modifications of the M58 Mine Clearing Line Charge (MICLIC).
121	Hunter	Briefing on MDC2 capabilities.
150	Carbajal	Requires a report on the development and procurement of combat equipment and clothing for female service members in combat occupations.
166	Shea-Porter	Requires a report on plans to outfit all current and future CH-47s with the improved thermal acoustic blanket and the status of the material and logistics supply chain's incorporation of this new specification and the schedule for fielding and production.
259	Gallagher	Directs the Secretary of the Army to provide a briefing on the Army's current acquisition strategy and sustainment strategy for FMTV's and FHTV's.
300	Conaway	Directs Secretary of the Navy to provide a study on current and future ASW systems.
388r1	Turner	Would direct the SecAF to provide a briefing on remotely piloted aircrafts and a report on aircraft platforms.

AMENDMENT TO H.R. 5515
OFFERED BY MR. KNIGHT OF CALIFORNIA

Add at the appropriate place in title I the following
new section:

1 **SEC. 1** . **BUY-TO-BUDGET ACQUISITION OF F-35 AIR-**
2 **CRAFT.**

3 Subject to section 2308 of title 10, United States
4 Code, using funds authorized to be appropriated by this
5 Act for the procurement of F-35 aircraft, the Secretary
6 of Defense may procure a quantity of F-35 aircraft in
7 excess of the quantity authorized by this Act if such addi-
8 tional procurement does not require additional funds to
9 be authorized to be appropriated because of production ef-
10 ficiencies or other cost reductions.



**Amendment to H.R. 5515
National Defense Authorization Act for F**

Log 006

Offered by: Rep. Banks of Indiana

In the appropriate place in the report to accompany H.R. 5515, insert the following new Directive Report Language:

[Tactical Communication and Protective Systems (TCAPS) Authorization]

[The House Armed Services Committee is aware that service members are routinely exposed to extreme loud noises that can damage their hearing. The committee further notes that technologies are available that integrate advanced hearing protection into tactical radio headsets, significantly improving communications ability as well as overall situational awareness. The committee is concerned, however, that disparity in the procurement and fielding schedules of these components is leading to inefficiencies that unnecessarily undermine readiness and could jeopardize the long-term health of service members.

Therefore, the committee directs the Secretary of the Army, in coordination with the Director of the Soldier Lethality Cross-Functional Team pilot as well as the appropriate program executive offices, to provide a briefing to the House Committee on Armed Services by September 1, 2018 on potential courses of action to mitigate the aforementioned disparity.]

**Amendment to H.R. 5515
National Defense Authorization Act for**

Log 040

Offered by: Mr. Wilson (SC-02)

In the appropriate place in the report to accompany H.R. 5515, insert the following new Directive Report Language:

Briefing on Targeted Soldier Borne Sensor Efforts

The committee is encouraged by the Army's efforts to field the new Soldier Borne Sensor (SBS) capability to the warfighter and is encouraged by the Army's recognition of this capability requirement at the squad level. The committee understands the additional visual and situational awareness provided by the sensor to the warfighter will improve the survivability and lethality of the force. The committee also notes that a capability to operate within high-threat and GPS-denied areas, including but not limited to indoors and within tunnels, is currently available with SBS technologies under evaluation. However, the committee understands there are concerns regarding the current generation of thermal sensors associated with ongoing SBS technology evaluations. Specifically, the committee understands that current thermal sensors reportedly do not provide sufficient resolution to meet desired performance objectives. The committee encourages the Secretary of the Army to focus development efforts to accelerate technology development of electro-optic and infrared sensors that could be carried by the SBS

The committee directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services by September 28, 2018, on current development efforts to address and resolve concerns regarding electro-optic and infrared sensor capabilities within the SBS platform. This briefing shall also include a detailed analysis of the electro-optic and infrared sensor technologies under evaluation and a plan for addressing the SBS requirement.

Amendment to H.R. 5515 National Defense Authorization Act for Fiscal Year 2019

Offered by: Mr. Cook of California

In the appropriate place in the report to accompany H.R. 5515, insert the following new Directive Report Language:

M58 MICLIC

The committee has continuing interest in the Department of Defense's plans to modify and upgrade the M58 Mine Clearing Line Charge (MICLIC). This antiquated system has been employed the United States Marine Corps and U.S. Army since the Vietnam-era. Since the beginning of the Global War on Terrorism, enemy mines and improvised explosive devices (IEDs) have been used to counter U.S. ground mobility assets. The past 17 years of conflict, coupled with recent trends indicate that these types of defensive tactics and techniques will be used in future engagements. While the enemy continues to adapt, the M58 MICLIC costs \$83.6K per system and has not seen any significant upgrade in capability since its introduction.

Therefore, the committee directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services not later than February 1, 2019, on the Army's plan for upgrading or replacing the M58 MICLIC. The report should include:

- (1) A description of current MICLIC employment statistics and mission requirements
- (2) An overview of a plan and timeline to upgrade the current system or field a newer variant
- (3) The costs associated with the RDTE of a new system
- (4) Any employment or effectiveness shortfalls with the current M58 system

**Amendment to H.R. 5515
National Defense Authorization Act for Fiscal Year 2019**

Offered by: Mr. Hunter

[For new Directive Report Language, please use the following:]

In the appropriate place in the report to accompany H.R. 5515, insert the following new Directive Report Language:

[Multi-Domain Command and Control]

[The committee understands the Department of the Air Force and Department of the Navy are undertaking efforts to create robust Multi-Domain Command and Control (MDC2) capabilities. The committee supports each Department's plans to ensure MDC2 program efforts are leveraging rapid experimentation and fielding of forward-deployed modular mission Systems for resilient communications and high-performance computing resources for the MDC2 mission.

Therefore, the committee directs the Secretary of the Air Force and the Secretary of the Navy to provide a briefing to the House Committee on Armed Services by September 1, 2018, that explains future funding and any other requirements to achieve rapid experimentation and fielding of MDC2 capabilities to the warfighter.]

**Amendment to H.R. 5515
National Defense Authorization Act for Fiscal Year 2019**

Offered by:

Congressman Salud O. Carbajal

In the appropriate place in the report to accompany H.R. 5515, insert the following new Directive Report Language:

Development and procurement of combat equipment and clothing for female servicemembers in combat occupations

The Committee notes that in June 2015 the Under Secretary of Defense for Acquisition, Logistics, and Technology provided guidance to the services to take immediate steps to ensure that combat equipment is properly designed and fitted for female servicemembers. In 2016, the Committee recognized that the Services had been conducting anthropometric studies on male and female servicemembers in order to properly outfit and equip their respective servicemembers. However, although more than 600 women have competed for and joined newly opened ground combat units in the Army and Marine Corps, the Committee is concerned that properly designed and fitted combat equipment, gear, and clothing is not consistently available to women warfighters. That concern also encompasses other women from all the services who continue to deploy to areas where they too need properly fitting combat and organizational gear. The Committee believes that female servicemembers in physically demanding occupations like infantry and armor are not positioned for success and their lethality and safety is compromised if they are required to train and perform in equipment not designed for their body type. Properly designed and fitted equipment for women should be available beginning with initial entry training through any and all deployments.

Therefore, the Committee directs the Secretary of Defense, in coordination with the service chiefs, to submit a report to the Committees on Armed Services no later than 180 days after the enactment of this Act. The report shall include:

- (1) Information about the status of procuring and issuing the following to all females serving in or training for, infantry and armor occupations and to those from other units and occupations deploying to areas where they will require such equipment (from the beginning of training through any deployments): (1) personal protective equipment (2) organizational clothing and individual equipment (including for example tanker apparel, mechanics coveralls, tanker headsets, and ruck frames); and (3) the female urinary diverter;
- (2) Information about timing, including the date on which such equipment will be available;

- (3) What additional legislative and funding authorities are required to expedite procurement;
- (4) The results of any surveys and studies that have addressed the availability, serviceability, and effectiveness of personal protective equipment, organizational clothing and individual equipment, and the female urinary diverter device.

Log 166

Amendment to H.R. 5515 National Defense Authorization Act for Fiscal Year 2019

Offered by: Carol Shea-Porter

In the appropriate place in the report to accompany H.R. 5515, insert the following new Directive Report Language:

Report on Efforts to Reduce Operational and Maintenance Costs for CH-47

The committee is aware the Army has recently validated a new specification for an improved thermal-acoustic blanket for CH-47 helicopters, which does not appear to be reflected in the logistics and material databases and support system. By greatly improving capabilities over current blankets, including dry/wet weight, air permeability, thermal and acoustic insulation, and durability the Army has developed a cost-effective way to significantly reduce operational and maintenance costs for the heavy lift fleet. The committee commends the Army for this effort, and directs the Secretary of the Army to provide a briefing to the Armed Services Committees of the House of Representatives and Senate no later than September 28, 2018 detailing plans to outfit all current and future CH-47s with this enhanced capability and the status of the material and logistics supply chain's incorporation of this new specification. The briefing should include a schedule for fielding blankets for the current fleet and the status of inserting the new specification into CH-47 block II production.

Amendment to H.R. 5515

National Defense Authorization Act for Fiscal Year 2019

Offered by:

Rep. Mike Gallagher

In the appropriate place in the report to accompany H.R. 5515, insert the following new Directive Report Language:

Tactical Wheeled Vehicle Industrial Base Sustainment

The committee is aware that the Army's Future Years Defense Program (FYDP) projections for the family of medium tactical vehicles (FMTVs) and the family of heavy tactical vehicles (FHTVs) Recapitalization program in the budget request are significantly lower than corresponding fiscal year 2018 FYDP projections. The committee is concerned that a drastic, unexpected decrease in FYDP procurement projections for these critical vehicle programs could have significant impacts to the medium and heavy tactical wheeled vehicle defense industrial base. The committee notes with concern that this could put at risk the TWV industrial base's ability to provide surge capacity in an emergency. The committee encourages the Secretary of the Army to develop procurement plans for tactical wheeled vehicles and corresponding recapitalization programs that do not place unreasonable pressure on the tactical wheeled vehicle industrial base, nor undermine its capacity for surge production.

The committee directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services by September 30, 2018, on the Army's current acquisition strategy and sustainment strategy for FMTVs and FHTVs. The briefing should also include potential courses of action to minimize impacts to the industrial base, as well as ways to maintain surge capacity across the FYDP.

**Amendment to H.R. 5515
National Defense Authorization Act for Fiscal Year 2019**

Offered by: Mr. Conaway of Texas

In the appropriate place in the report to accompany H.R. 5515, insert the following new Directive Report Language:

Current and Future Anti-Submarine Warfare System Study

Preceding the Navy Department's MH-60R Mid-Life Upgrade (MLU) in FY20, advances in anti-submarine warfare systems manufactured in the U.S. warrant a review. The committee is encouraged by advances in dipping sonar utilizing low frequency detection and beam-forming technologies, allowing multiple boundary interactions, and interoperability with shipboard sonars and sonobuoys – adding greatly enhanced protection to the carrier battle group. Moreover, these advances in technology are derived from U.S. sources, vice foreign technologies.

Additionally, the committee is concerned that the current MH-60R anti-submarine warfare system - Airborne Low Frequency Sonar (ALFS) - that serves as the primary ASW sensor in the Carrier Strike Group, has a component failure rate that has depleted the spares inventory, impacting deployed and nondeployed readiness - including the ability to support concurrent MH-60R deployments.

Therefore, the committee directs the Secretary of the Navy to submit a report to the House Armed Services by March 1, 2019 on the current operability and readiness issues of ALFS system and the potential utilization of existing, advanced U.S. technologies to upgrade the MH-60R fleet's anti-submarine warfare system.

Log 38871

**Amendment to H.R. 5515
National Defense Authorization Act for Fiscal Year 2019**

Offered by: Mr. Turner of Ohio

In the appropriate place in the report to accompany H.R. 5515, insert the following new Directive Report Language:

Air Force Enlisted Pilot Implementation Initiatives

The committee directs the Secretary of the Air Force to provide a briefing to the House Committee on Armed Services not later than March 4, 2019, on the plan to implement the enlisted pilot aircrew requirements of Section 1052 of the FY17 NDAA for the MQ-9 enterprise of the Active, Guard, and Reserve components of the Air Force. Furthermore, the committee directs the Secretary of the Air Force to submit a report to the congressional defense committees not later than April 1, 2019, on the costs, benefits, and feasibility of authorizing enlisted Airmen or Warrant Officers as pilots, navigators, or weapon systems operators on all Air Force aircraft or rotorcraft platforms. The report should also assess and explain any policy or guidance impediments that would preclude enlisted Airmen or Warrant Officers from serving as pilots, navigators, or weapon systems operators.