

En Bloc Amendments to H.R. 4435
National Defense Authorization Act for Fiscal Year 2015
 Wednesday, May 7, 2014

Tactical Air and Land Forces En Bloc # 1		
Log #	Sponsor	Description
024	Mrs. Hartzler	In concert with the procurement of 5 Growlers in FY15, the Committee encourages the Navy to utilize the AP funds for F/A-18 E/F aircraft in FY14 (\$75 million) to extend the production line to a minimum production rate of 2 aircraft per month.
055r1	Mr. Scott	The Air Force has a requirement to recapitalize the JSTARS platform and three combatant commanders have testified before HASC to that effect. The amendment clarifies report language questioning the requirement.
057r1	Mr. Wilson	Requires the Secretary of the Army to submit a plan to HASC/SASC on the Army's plan to modernize the National Guard's fleet of UH-60A Black Hawk helicopters
075	Ms. Sanchez	Directs the Secretary of the Army to brief the committee describing the technologies identified within the Stryker Vehicle Survivability Systems Integration Study program
121r1	Mrs. Noem	Expresses the importance of the Joint Threat Emitter (JTE) to combat aircrew proficiency and directs the Secretary of the Air Force to evaluate ways to accelerate production and fielding of JTEs and brief the defense authorizing committees.
130	Mr. Lamborn	Directs the SecDef to provide a report on DoD's plan to operationally test and deploy multi-aircraft control technology for UAVs
144	Mr. Forbes	Requires the Secretary of Defense to submit a report by April 1, 2015, on U.S. Pacific Command's 10-year munitions strategy, including munitions requirements, gaps and shortfalls, and necessary investments.
178	Mr. Palazzo	SoC on the need to remain dedicated to retaining the knowledge and lessons of the Iraq and Afghanistan wars with regard to CIED missions
205r1	Mr. Hunter	Modifies DRL for a briefing on 25mm ammunition for the Joint Strike Fighter program.
212	Ms. Speier	Requires the designation of an authoritative database on conventional ammunition and annual reporting on inventories.
222	Mr. Carson	Directs the Secretary of Defense to brief the congressional defense committees on a recapitalization plan for tactical generators
245r1	Ms. Tsongas	Restores funding for Combat Feeding Research and Engineering program

Amendment Offered by Mrs. Hartzler

H.R. 4435—National Defense Authorization Act for Fiscal Year 2015

In the appropriate place in the report, insert the following:

EA-18G Stretch

The Committee understands and supports the Department of the Navy's requirement for additional airborne electronic attack (AEA) aircraft, based on the Department's Congressional testimony and formal war fighting campaign analysis. Controlling the electromagnetic spectrum is paramount to strike capability in future contested environments. The EA-18G Growler provides full spectrum capabilities for the Navy and Joint Forces. However, the Department insufficiently funded the Growler requirement, threatening shutdown of the manufacturing line. In concert with the procurement of 5 Growlers in FY15, the Committee encourages the Chief of Naval Operations to utilize the Advanced Procurement funds for F/A-18 E/F aircraft in FY14 (\$75 million) to extend the production line to a minimum production rate of 2 aircraft per month. This extended production will ensure an AEA manufacturing line is in place for future procurement. The Committee directs the Department of the Navy to brief the House Committee on Armed Services by September 1, 2014 on the ability to extend the production line to a minimum production rate of 2 aircraft per month. The Committee urges the Navy to provide the necessary funds to fulfill its AEA requirement in Fiscal Year 2016, and if needed, beyond.

Amendment Offered by Rep. Austin Scott

H.R. 4435—National Defense Authorization Act for Fiscal Year 2015

In the appropriate place in the report, strike and substitute:

Ground Moving Target Indicator Way Ahead

RDTE- Air Force
Items of Special Interest

Ground Moving Target Indicator Way Ahead

Combat Operations in the Islamic Republic of Afghanistan and the Republic of Iraq have highlighted a growing demand for airborne ground moving target indicator (GMTI) sensing as well as significant phenomenologically-driven performance limitations in counter-insurgency and counter-terrorism operation environments. The committee understands that the Department of the Air Force intends to recapitalize the E-8C joint surveillance and targeting radar attack system (JSTARS) fleet on a more efficient airframe with modern radar, avionics, and communication systems, and on-board battle management and command and control (BMC2) and Intelligence Surveillance and Reconnaissance capability. Well ahead of the initial operating capability (IOC) of any replacement platform, the Department of the Air Force intends to reduce the E-8C fleet by nearly one third, by reducing the E-8C JSTARS fleet from 16 to 11 aircraft, and to begin incrementally reducing associated E-8C JSTARS manpower.

At the same time, the committee notes that the Department of the Air Force continues to test and field Global Hawk Block 40 aircraft with the multi-platform radar technology insertion program (MP-RTIP) MTI radar, eventually fielding 11 high-altitude, long endurance aircraft. The committee also notes that the Department of the Air Force development efforts relating to the vehicle dismount and exploitation radar (VADER) transitioned to the Army with no apparent plan to field a capability on Department of the Air Force remotely piloted aircraft (RPA).

The committee is concerned that the volume and pace of change in the GMTI development and fielding may be indicative of a lack of precision in the

underlying requirement set. Clearly, the need to recapitalize the current JSTARS aircraft is urgent, and the Committee believes a rapid acquisition to achieve the required BMC2 and ISR capabilities is necessary. While the JSTARS recapitalization platform is planned to achieve far better performance in the areas of higher altitudes, superior sensing, increased operational availability and speed, the number of platforms to be fielded is identical to that of the current JSTARS fleet. However, the requirement for the number of JSTARS was established long before 11 long-endurance high altitude GMTI platforms were developed. Also, limitations in GMTI performance against dismounts that led to the development of the VADER have not been fully addressed as part of the JSTARS recapitalization plan.

Therefore, the committee directs the Secretary of the Air Force, in coordination with the Chairman of the Joint Chiefs of Staff, to provide a report to the congressional defense committees and the congressional intelligence committees by February 16, 2015, that captures the aggregate requirement for GMTI capability and capacity for the Department of Defense. The report should detail the current validated requirements for GMTI capabilities and capacities. Requirements should be expressed in terms of sensor fidelity using metrics such as ground radar coverage area, revisit rate, minimum detection velocity, target locating error, radar imaging, hours on-station per mission per month per year, sorties per month and per year, and anticipated targets types and density. The report should also highlight the degree to which the current Air Force plan, including the near-term reductions in JSTARS capacity and the end-state aggregate of 27 MTI aircraft compare to the underlying requirements.

AMENDMENT TO H.R. 4435
OFFERED BY MR. WILSON OF SOUTH CAROLINA

At the appropriate place in subtitle B of title I, insert the following:

1 **SEC. 1___.** **PLAN ON MODERNIZATION OF UH-60A AIR-**
2 **CRAFT OF ARMY NATIONAL GUARD.**

3 (a) **PLAN.**—Not later than March 15, 2015, the Sec-
4 retary of the Army shall submit to the congressional de-
5 fense committees a prioritized plan for modernizing the
6 entire fleet of UH-60A aircraft of the Army National
7 Guard.

8 (b) **ADDITIONAL ELEMENTS.**—The plan under sub-
9 section (a) shall set forth the following:

10 (1) A detailed timeline for the modernization of
11 the entire fleet of UH-60A aircraft of the Army Na-
12 tional Guard.

13 (2) The number of UH-60L, UH-60L Digital,
14 and UH-60M aircraft that the Army National
15 Guard will possess upon completion of such mod-
16 ernization plan.

17 (3) The cost, by year, associated with such
18 modernization plan.



Amendment Offered by Ms. Loretta Sanchez of California

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In the appropriate place in the report, insert the following:

Stryker Vehicle Survivability Upgrades

The committee supports efforts to increase the protection level of Army Stryker vehicles and believes there is a need for additional innovation and competition within the program. In particular, the committee continues to support the ongoing Program Executive Officer, Ground Combat Systems, Stryker Vehicle Survivability Systems Integration Study program. The committee notes that this program has performed several integration studies reviewing the potential for incorporating occupant-centric survivability technologies onto Stryker vehicles. In addition, the committee understands that these kit-based solutions may potentially be installed during depot reset or in the field, and could enhance Stryker survivability and mobility across the fleet. The committee also notes that there are two variants of the Stryker vehicle, the Mobile Gun System (MGS) and the NBC Reconnaissance Vehicle (NBCRV), that do not have the same level of protection as “Double V” equipped variants and that may immediately benefit from Stryker upgrades explored as part of the study program. The committee encourages the Army to test and evaluate these technologies on the Stryker platform, with emphasis on the MGS and NBCRV variants that currently lack the same protection levels as other Stryker vehicles. The committee directs the Secretary of the Army to brief the committee by December 15, 2014 describing the technologies identified within the Stryker Vehicle Survivability Systems Integration Study program, as well as the outcomes of any testing of these technologies on the Stryker platform.

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Amendment Offered by Rep. Noem

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In the appropriate place in the report, insert the following:

Joint Threat Emitter Procurement

The budget request contained \$26.6 million in other procurement, Air Force, for combat training range equipment. Of this amount, \$13.5 million was requested for procurement of one joint threat emitter (JTE).

The Committee is aware of the importance of maintaining the proficiency of combat aircrews and their capability to respond to, survive and defeat the most advanced enemy air defenses they could encounter on any current battlefield. The committee is also aware that the JTE is intended to provide realistic electronic warfare training that can simulate the multiple threat scenarios of a hostile integrated air defense system. In addition, while older emitters are employed at numerous training ranges, the committee notes that they mostly simulate antiquated Soviet air defense systems designed during the Cold War. The committee believes that these older legacy emitters may not be adequate to train aircrews expected to challenge the most sophisticated enemy systems, such as the SA-20, SA-23 or HQ-9 surface-to-air missile systems. Given the importance of the JTE, the committee is concerned that the Air Force Budget request only includes funding to procure one JTE in fiscal year 2015. Therefore, the committee directs the Secretary of the Air Force to evaluate options for potentially accelerating the production and fielding of JTE units and brief the committees on Armed Services of the Senate and the House of Representatives on the program by January 31, 2015.

The committee recommends \$26.6 million, the full amount requested, for combat training range equipment.

Amendment Offered by Rep. Doug Lamborn

H.R. 4435—National Defense Authorization Act for Fiscal Year 2015

In the appropriate place in the report, insert the following:

Multi-Aircraft Control of Unmanned Aerial Vehicles

The committee is aware of the enabling effects of employing large quantities of unmanned aerial vehicles on the battlefield. However, the availability of pilots, and the costs associated with training and employing pilots, has in some cases limited the ability of the Department of Defense (DoD) to mass and capitalize on these capabilities.

Therefore the committee directs the Secretary of Defense to provide the congressional defense committees with a report by February 15, 2015 detailing the Department of Defense's plans to operationally test and deploy multi-aircraft control technology. This report shall include a breakdown of the efforts of each of the services along with the Department of Defense's plan to integrate those efforts between the services in order to minimize inefficiencies. The report shall also address advanced technology development and experimentation as well as the potential manpower savings of multi-aircraft control.

AMENDMENT TO H.R. 4435
OFFERED BY MR. FORBES OF VIRGINIA

At the appropriate place in subtitle D of title XII,
insert the following:

1 **SEC. ____ . REPORT ON DEPARTMENT OF DEFENSE MUNI-**
2 **TIONS STRATEGY FOR UNITED STATES PA-**
3 **CIFIC COMMAND.**

4 (a) **REPORT REQUIRED.**—Not later than April 1,
5 2015, the Secretary of Defense shall submit to the con-
6 gressional defense committees a report on the munitions
7 strategy for the United States Pacific Command, includ-
8 ing an identification of munitions requirements, an assess-
9 ment of munitions gaps and shortfalls, and necessary mu-
10 nitions investments. Such strategy shall cover the 10-year
11 period beginning with 2015.

12 (b) **ELEMENTS.**—The report on munitions strategy
13 required by subsection (a) shall include the following:

14 (1) An identification of current and projected
15 munitions requirements, by class or type.

16 (2) An assessment of munitions gaps and short-
17 falls, including a census of current munitions capa-
18 bilities and programs, not including ammunition.

1 (3) A description of current and planned muni-
2 tions programs, including with respect to procure-
3 ment, research, development, test and evaluation,
4 and deployment activities.

5 (4) Schedules, estimated costs, and budget
6 plans for current and planned munitions programs.

7 (5) Identification of opportunities and limita-
8 tions within the associated industrial base.

9 (6) Identification and evaluation of technology
10 needs and applicable emerging technologies, includ-
11 ing with respect to directed energy, rail gun, and
12 cyber technologies.

13 (7) An assessment of how current and planned
14 munitions programs, and promising technologies,
15 may affect existing operational concepts and capa-
16 bilities of the military departments or lead to new
17 operational concepts and capabilities.

18 (8) An assessment of programs and capabilities
19 by other countries to counter the munitions pro-
20 grams and capabilities of the Armed Forces of the
21 United States, not including with respect to ammu-
22 nition, and how such assessment affects the muni-
23 tions strategy of each military department.

24 (9) Any other matters the Secretary determines
25 appropriate.

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1 (c) FORM.—The report under subsection (a) may be
2 submitted in classified or unclassified form.



AMENDMENT TO H.R. 4435
OFFERED BY MR. PALAZZO OF MISSISSIPPI

At the appropriate place in title X, insert the following:

1 **SEC. 10 ____. SENSE OF CONGRESS REGARDING COUNTER-**
2 **IMPROVISED EXPLOSIVE DEVICES.**

3 It is the sense of Congress that—

4 (1) counter-improvised explosive device tactics,
5 techniques, and procedures used in Iraq and Af-
6 ghanistan have produced important technical data,
7 lessons learned, and enduring technology critical to
8 mitigating the devastating effects of improvised ex-
9 plosive devices, which have been the leading cause of
10 combat fatalities in the United States Central Com-
11 mand area of operations since 2002, and whose use
12 are now expanding to other Global Combatant Com-
13 mands area of operations;

14 (2) without the preservation of knowledge about
15 counter-improvised explosive devices, the Nation
16 could fail to take full advantage of the hard earned
17 lessons and investments of the past decade of
18 counter-improvised explosive device operations to en-
19 hance warfighter readiness; and

1 (3) the Department of Defense should remain
2 dedicated to retaining a knowledge base relating to
3 counter-improvised explosive devices to ensure les-
4 sons learned and investments are maximized for fu-
5 ture benefits.



log205r.1

Amendment Offered by Hunter

H.R. 4435—National Defense Authorization Act for Fiscal Year 2015

In the appropriate place in the report, insert the following:

REPLACE F-35 25mm cannon ammunition

The committee is concerned about the Air Force's plans for evaluating and fielding 25mm cannon ammunition for the F-35 Joint Strike Fighter. Specifically, the committee is concerned about the procurements for some types of 25mm ammunition, potentially at the exclusion of any alternative North American National Technology Industrial Base offerings. Therefore, the committee directs the Secretary of the Air Force to provide a briefing to the House Committee on Armed Services not later than August 1, 2014, on the Air Force's plans to evaluate, test, and field 25mm cannon ammunition for the Air Force's F-35 fleet.

AMENDMENT TO H.R. 4435**OFFERED BY Ms. SPEIER**

At the appropriate place in title III, insert the following:

1 **SEC. 3 ____ . MANAGEMENT OF CONVENTIONAL AMMUNITION**
2 **INVENTORY.**

3 (a) CONSOLIDATION OF DATA.—Not later than 90
4 days after the date of the enactment of this Act, the Under
5 Secretary of Defense for Acquisition, Technology, and Lo-
6 gistics, in conjunction with the Secretaries of the Army,
7 Air Force, and Navy, shall issue Department-wide guid-
8 ance and designate an authoritative database on conven-
9 tional ammunition. Not later than 90 days after the date
10 of the enactment of this Act, the Under Secretary shall
11 notify the congressional defense committees on what data-
12 base has been designated under this subsection.

13 (b) ANNUAL REPORT.—The Secretary of the Army
14 will include in its annual ammunition inventory reports in-
15 formation on all available ammunition for use during the
16 redistribution process, including ammunition that was un-
17 claimed in a during a year before the year during which

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- 1 the report is submitted by another service and categorized
- 2 for disposal.



Amendment Offered by Mr. Carson

H.R. 4435—National Defense Authorization Act for Fiscal Year 2015

In the appropriate place in the report, insert the following:

Briefing on tactical generator recapitalization

The committee is aware that generators are the biggest consumers of diesel fuel in Afghanistan for the Army and Marine Corps. Given Department of Defense directives to reduce costs through increased fuel efficiency, the committee supports service decisions to procure next generation tactical generators like the Advanced Medium Mobile Power Sources (AMMPS), which sees over 20% greater fuel efficiency and 40% greater reliability than the current fleet of Tactical Quiet Generators (TQGs). The committee understands that when the AMMPS fleet is fully deployed and operating, the Department of Defense will realize an estimated annual savings of \$745 million and 52 million gallons of diesel fuel over TQGs.

The committee considers it important that service plans to recapitalize tactical generators include robust goals for increased fuel efficiency and reliability. Therefore, the committee directs the Secretary of Defense to brief the congressional defense committees within 180 days on service plans to recapitalize tactical generator systems, associated fuel efficiency and reliability targets, and the financial impact that achieving these targets would have on fuel expenditures.

108 245 r1

AMENDMENT TO H.R. 4435
OFFERED BY MS. TSONGAS OF MASSACHUSETTS
(FY15 NDAA)

In section 4201 of division D, relating to research, development, test, and evaluation, increase the amount for Joint Service Combat Feeding Technology, by \$2,579,000.

In section 4201 of division D, relating to research, development, test, and evaluation, increase the amount for Joint Service Combat Feeding Tech Demo, by \$674,000.

In section 4201 of division D, relating to research, development, test, and evaluation, increase the amount for Food Advanced Development, by \$1,587,000.

In section 4201 of division D, relating to research, development, test, and evaluation, increase the amount for Military Subsistence Systems, by \$562,000.

In Section 4101 of division D, relating to aircraft procurement, Navy, reduce the amount for Spares and Repair Parts, Line 065, by \$3,000,000.

In Section 4101 of division D, relating to aircraft procurement, Air Force, reduce the amount for Initial Spares/Repair Parts, Line 070, by \$2,402,000.