# Department of Defense Fiscal Year (FY) 2017 Request for Additional Appropriations

March 2017



### **Air Force**

Justification Book Volume 1 of 1

Procurement of Ammunition, Air Force

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Air Force • Request for Additional Appropriations FY 2017 • Procurement

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Department of the Air Force

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

Appropriation	FY 2017 PB Request Base	FY 2017 Mar Amended Request Base	FY 2017 Revised PB Request Base	FY 2017 PB Request OCO
Aircraft Procurement, Air Force	13,922,917	1,847,520	15,770,437	859 <b>,</b> 399
Missile Procurement, Air Force	2,426,621		2,426,621	339,545
Space Procurement, Air Force	3,055,743	19,900	3,075,643	
Procurement of Ammunition, Air Force	1,677,719	70,000	1,747,719	487,408
Other Procurement, Air Force	17,438,056	1,148,032	18,586,088	3,696,281
Total Department of the Air Force	38,521,056	3,085,452	41,606,508	5,382,633

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#### Department of the Air Force

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

Appropriation: Procurement of Ammunition, Air Force

	FY 2017	FY 2017 Mar Amended	FY 2017 Revised	FY 2017
Budget Activity	PB Request Base	Request Base	PB Request Base	PB Request OCO
01. Ammunition	1,640,260	70,000	1,710,260	487,408
02. Weapons	37 <b>,</b> 459		37,459	
Total Procurement of Ammunition, Air Force	1,677,719	70,000	1,747,719	487,408

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#### Department of the Air Force

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

Appropriation: Procurement of Ammunition, Air Force

Budget Activity	FY 2017 Nov Amended Request OCO	FY 2017 Mar Amended Request OCO	FY 2017 Total OCO Request	FY 2017 Less Enacted Div.B,P.L. 114-254 OCO
01. Ammunition			487,408	-201,563
02. Weapons				
Total Procurement of Ammunition, Air Force			487,408	-201,563

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#### Department of the Air Force

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Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

FY 2017

Appropriation: Procurement of Ammunition, Air Force

	PB Request FY 2017 wNov Amend FY 2017					
Budget Activity	Remaining PB Request OCO	Less Enacted PL 114-254 Base+OCO	Mar Amended Request Base+OCO	FY 2017 PB Remaining Base+OCO		
01. Ammunition	285,845	1,926,105	70,000	1,996,105		
02. Weapons		37 <b>,</b> 459		37,459		
Total Procurement of Ammunition, Air Force	285,845	1,963,564	70,000	2,033,564		

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#### Department of the Air Force

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

Appropriation: 3011F Procurement of Ammunition, Air Force

Line	Ident	PB R	2017 Request Base	FY 20 Mar Ame Reque Bas	ended est			PB	2017 Request OCO	S e
No Item Nomenclature	Code	Quantity		Quantity	Cost	Quantity	Cost	Quantit	y Cost	C -
Budget Activity 01: Ammunition										
Rockets										
1 Rockets	A		18,734				18,734		60,000	U
Cartridges										
2 Cartridges	A		220,237				220,237		9,830	U
Bombs										
3 Practice Bombs	A		97,106				97,106			U
4 General Purpose Bombs	A		581,561		60,000		641,561		7 <b>,</b> 921	U
5 Massive Ordnance Penetrator (MOP)			3,600				3,600			U
6 Joint Direct Attack Munition	A	12133	303,988			12133	303,988	18531	403,126	U
Other Items										
7 Cad/Pad	A		38,890				38,890			U
8 Explosive Ordnance Disposal (EOD)	A		5,714				5,714			U
9 Spares and Repair Parts	A		740				740			U
10 Modifications	A		573				573			U

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11 Items Less Than \$5 Million	A	5,156	5,156	U				
Flares								
12 Flares	А	134,709	134,709	6,531 U				
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March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

Appropriation: 3011F Procurement of Ammunition, Air Force

Line	Ident	FY 20 Nov Ame Reque OCO	nded	FY 20 Mar Ame Reque OCO	ended est	FY 2 Total Requ	L OCO	Less En Div.B, 114-2	nacted P.L. 254 S	
No Item Nomenclature	Code 	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost c	
Budget Activity 01: Ammunition										
Rockets										
1 Rockets	A						60,000		U	
Cartridges										
2 Cartridges	A						9,830		U	
Bombs										
3 Practice Bombs	A								U	
4 General Purpose Bombs	A						7 <b>,</b> 921		U	
5 Massive Ordnance Penetrator (MOP)									U	
6 Joint Direct Attack Munition	A					18531	403,126	-2	201 <b>,</b> 563 U	
Other Items										
7 Cad/Pad	A								U	
8 Explosive Ordnance Disposal (EOD)	А								U	
9 Spares and Repair Parts	А								U	
10 Modifications	A								U	

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FY 2017

Flares			
12 Flares	A	6,531	U

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11 Items Less Than \$5 Million

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#### Department of the Air Force

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Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

FY 2017

Appropriation: 3011F Procurement of Ammunition, Air Force

Line	Ident	Rema: PB Re	2017 ining equest	wNov Less E PL 11	equest Amend Inacted 4-254 e+OCO	FY 20 Mar Ame Reque Base+	nded st		017 maining e+OCO	S e
No Item Nomenclature	Code	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	C -
Budget Activity 01: Ammunition										
Rockets										
1 Rockets	A		60,000		78,734				78 <b>,</b> 734	U
Cartridges										
2 Cartridges	A		9,830		230,067				230,067	U
Bombs										
3 Practice Bombs	A				97,106				97,106	U
4 General Purpose Bombs	A		7,921		589,482		60,000		649,482	U
5 Massive Ordnance Penetrator (MOP)					3,600				3,600	U
6 Joint Direct Attack Munition	A	18531	201,563	30664	505,551			30664	505,551	U
Other Items										
7 Cad/Pad	A				38,890				38,890	U
8 Explosive Ordnance Disposal (EOD)	A				5,714				5,714	U
9 Spares and Repair Parts	A				740				740	U
10 Modifications	A				573				573	U

This document contains NATO information. Safeguard IAW AFI 31-406. UNCLASSIFIED

11 Items Less Than \$5 Million	A		5,156	5,156 U
Flares				
12 Flares	А	6,531	141,240	141,240 U
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#### Department of the Air Force

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Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

Appropriation: 3011F Procurement of Ammunition, Air Force

Line	Ident	FY 2017 PB Request Base	FY 2017 Mar Amended Request Base	FY 2017 Revised PB Request Base	FY 2017 PB Request S OCO e
No Item Nomenclature	Code	Quantity Cost	Quantity Cost	Quantity Cost	Quantity Cost c
Fuzes					
13 Fuzes	А	229,252	10,000	239 <b>,</b> 252	U 
Total Ammunition		1,640,260	70,000	1,710,260	487,408
Budget Activity 02: Weapons					
Small Arms					
14 Small Arms	А	37,459		37,459	U
Total Weapons		37,459		37,459	== <b></b>
Total Procurement of Ammunition, Air Force		1,677,719	70,000	1,747,719	487,408

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#### Department of the Air Force

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

Appropriation: 3011F Procurement of Ammunition, Air Force

Line	Ident	FY 2017 Nov Amended Request OCO	FY 2: Mar Am Requ OC:	ended est	FY 20 Total Reque	OCO	FY 20 Less En Div.B, 114-2 OCC	acted P.L. 54	S e
No Item Nomenclature	Code	Quantity Cos		Cost	Quantity	Cost	Quantity	Cost	C
Fuzes									_
13 Fuzes	А								U
Total Ammunition						487 <b>,</b> 408		01,563	
Budget Activity 02: Weapons									
Small Arms									
14 Small Arms	А								U
Total Weapons									
Total Procurement of Ammunition, Air Force						487 <b>,</b> 408	-2	01,563	•

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#### Department of the Air Force

March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Exhibit P-1 March Budget Amendment to the FY 2017 President's Budget Request for BASE + Overseas Contingency Operations (OCO)

Total Obligational Authority

(Dollars in Thousands)

FY 2017

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No Item Nomenclature	Ident Code	FY 2017 Remaining PB Request OCO Quantity Cost	PB Request wNov Amend Less Enacted PL 114-254 Base+OCO Quantity Cost	FY 2017  Mar Amended  Request  Base+OCO  Quantity Cost	_	S e c -
Fuzes						
13 Fuzes	А		229,252	10,000	239,252	U
Total Ammunition		285,845	1,926,105	70,000	1,996,105	
Budget Activity 02: Weapons						
Small Arms						
14 Small Arms	А		37,459		37,459	U
Total Weapons			37,459		37,459	
Total Procurement of Ammunition, Air Force		285 <b>,</b> 845	1,963,564	70,000	2,033,564	

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### **Line Item Table of Contents (by Appropriation then Line Number)**

### Appropriation 3011F: Procurement of Ammunition, Air Force

Line #	ВА	BSA	Line Item Number	Line Item Title	Page
4	01	13	353020	General Purpose Bombs	Volume 1 - 1
13	01	18	356120	Fuzes\	Volume 1 - 3



Air Force • Request for Additional Appropriations FY 2017 • Procurement

### Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	ВА	BSA Page
Fuzes	356120	13	01	18Volume 1 - 3
General Purpose Bombs	353020	4	01	13Volume 1 - 1

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Air Force

Date: March 2017

Appropriation / Budget Activity / Budget Sub Activity:

3011F: Procurement of Ammunition. Air Force / BA 01: Ammunition / BSA 13:

P-1 Line Item Number / Title: 353020 / General Purpose Bombs

Bombs

ID Code (A=Service Ready, B=Not Service Ready): A

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	To Complete	Total
•	10013	1 1 2010	1 1 2010	Dusc	000	Total	1 1 2010	1 1 2010	1 1 2020	1 1 2021	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	204.907	653.987	641.561	7.921	649.482	246.622	288.553	394.828	418.243	-	2,856.622
Less PY Advance Procurement (\$ in Millions)	=	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	204.907	653.987	641.561	7.921	649.482	246.622	288.553	394.828	418.243	-	2,856.622
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	204.907	653.987	641.561	7.921	649.482	246.622	288.553	394.828	418.243	-	2,856.622
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	ne corresponding	budget request	s are documente	ed elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

### Description:

FY2015 funding totals include \$56.293 appropriated for Overseas Contingency Operations.

FY2016 funding totals include \$17.031M requested for Overseas Contingency Operations.

The following Weapon System Cost Elements are represented in this P-1 line:

- -MXU-651 B/B (EC31/EC28) is an airfoil group consisting of an aft wing assembly, forward canards and attaching hardware needed to assemble a GBU-10 Laser Guided Bomb,(BLU-109 2000lb Hard Target Penetrator Bomb or MK84 2000lb class bomb). The system has folding wings which open upon release for increased maneuverability. This item is procured by Munitions Sustainment Division at Hill AFB.
- -MXU-650 Fin Assembly kit (EC32)consists of a tail fin, forward canards and attachment hardware needed to assemble the GBU-12 (MK-82 Warhead, 500lb class) Laser Guided Bomb (LGB). This Fin assembly kit, coupled with a Computer Control Group (ED58) complete the GBU-12 weapons build. These weapons are primarily used for precision bombing against non-hardened targets. This item is procured by Munitions Sustainment Division at Hill AFB.
- -MAU-209/MAU-169 (ED58) GBU-10/12 Computer Control Group is a laser homing guidance unit used on the GBU-10 and GBU-12 Laser Guided Bombs. (GBU-10. MK-84 Warhead. 2000lb class or GBU-12. MK-82 Warhead, 500lb class). The system has folding wings which open upon release for maneuverability and increased aircraft payload. This item is procured by Ogden ALC. Laser Guided Bombs are essential to meeting training, operational and inventory objective requirements worldwide for precision bombing against hardened and non-hardened targets. Yearly procurements ensure the necessary stock on hand to meet these requirements.
- -BLU-117 (ED09) is a 2,000-pound class general purpose bomb. The bomb produces blast and fragmentation effects and can be used as either an unguided high or low drag weapon. When used with a guidance kit, it can be employed as a precision guided bomb. The warhead is used on the GBU-10/12 (PAVEWAY) and Joint Direct Attack Munition weapon systems. The BLU-117 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Air Force

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs

353020 / General Purpose Bombs

ID Code (A=Service Ready, B=Not Service Ready): A

Program Elements for Code B Items: N/A

Other Related Program Elements: N/A

Date: March 2017

Line Item MDAP/MAIS Code: N/A

-BLU-111 (ED15) is a thermally-protected General Purpose Bomb, identical to the MK-82 (500 lb bomb), except for type of explosive filler (Tritonal). It has a relatively thin case with a slender body designed for improved ballistics. Employed as general purpose bombs delivered in high and low drag modes with ground burst, delayed, or air burst fuzes and as precision guided munitions and aerial mines depending on the fin/airfoil group and fuzing. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).

-BLU-109 (ED49) warhead is a 2000-pound hard target penetrator bomb designed with Insensitive Munitions (IM) technology. BLU-109 will transition to A2K in FY17 (A2K has been designated the BLU-137/B). It is a penetration weapon used against bunkers, aircraft shelters, and reinforced concrete structures. The warhead is used on the GBU-10, 24, and 27 as well as Joint Direct Attack Munition (JDAM) weapon systems. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).

- -BLU-129/B (ED78)Composite Case Warhead providing very low collateral damage weapon, carbon fiber composite case for high near-field lethality deliver 3x reduction in collateral damage. The weapon supports an urgent need for a very low collateral damage weapon. The program is dependent on field stated quantity requirements. The program will continue acquisition planning for the production restart of BLU-129/B and will develop a work plan transition to Hill (AFLCMC/EBH).
- -BLU-134/B Improved Lethality Warhead (ILW) (formerly called BLU-111D/B), an area attack employed, near-term, 500 lb warhead for improved anti-personnel anti-material (APAM) target lethality which meets DoD policy on cluster munitions.
- -Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000 and are Code A.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$60 million is required to address emergency warfighting readiness requirements. This funding replenishes a mix of BLU-117/MK-84 bombs due to significant increase in expenditures for current operations.

Funding for this exhibit contained in PEs: 0208030F, 0207599F

#### Justification:

FY2017 purchases 500, 1000 and 2000 pound conventional general purpose bombs, and guidance and control kits to provide precision bombing capabilities; additionally, equipment or support required to enhance production line capacity as required by inventory replenishment. These weapons are used to defeat non-hard, hardened and deeply buried targets, bunkers, aircraft shelters, reinforced concrete structures and various armored targets. Built up with assorted componentry, the bombs can also be employed as Joint Direct Attack Munitions, GBU-10/12 Laser Guided Bombs, and BLU-109 Penetrator.

FY2017 OCO: \$5.281M procures GBU-10 and GBU-12 laser guided bomb computer control group components to provide precision laser guided bombs for theater operations.

FY2017 OCO: \$2.64M procures GBU-12 laser guided bomb fin assemblies to provide precision laser guided bombs for theater operations.

The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.

Procurement/Replenishment is required to maintain readiness objectives and worldwide war reserve materiel (WRM) stockpiles to support requirements for penetrator bombs, low collateral damage bombs, and multiple precision guided bomb configurations as determined by the non-nuclear consumables annual analysis (NCAA), to execute DoD approved combat plans and training requirements.

LI 353020 - General Purpose Bombs Air Force UNCLASSIFIED
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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations 2017 Air Force

Date: March 2017

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Number / Title:

3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 18: Fuzes | 356120 / Fuzes

ID Code (A=Service Ready), B=Not Service Ready): A Program Elements for Code B Items: N/A Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

	Prior			FY 2017	FY 2017	FY 2017					То	
Resource Summary	Years	FY 2015	FY 2016	Base	oco	Total	FY 2018	FY 2019	FY 2020	FY 2021	Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	109.265	206.919	239.252	0.000	239.252	118.424	117.591	162.252	176.570	-	1,130.273
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	109.265	206.919	239.252	0.000	239.252	118.424	117.591	162.252	176.570	-	1,130.273
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	109.265	206.919	239.252	0.000	239.252	118.424	117.591	162.252	176.570	-	1,130.273
(The following	Resource Sumi	mary rows are fo	r informational p	urposes only. Th	ne corresponding	budget request	s are documente	d elsewhere.)				
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

### **Description:**

FY2015 funding includes \$24.848 million appropriated for Overseas Contingency Operations.

FY2016 funding includes \$7.996 million requested for Overseas Contingency Operations.

The following Weapon System Cost Elements are represented in this P-1 line:

- FMU-152A/B Joint Programmable Fuze (JPF) (EC11): A multi-function unitary fuze developed and procured for the Joint Direct Attack Munition and other conventional inventory weapons. The FMU-152A/B provides a highly reliable bomb fuze with multiple arm times, instantaneous and multiple short and long delay detonation times, hard target survivability, cockpit programmability, and increased service/shelf life. The JPF is compatible with MK-80 series guided and unguided bombs. It has replaced and/or supplemented the FMU-139A/B and FMU-139C/B, FMU-143, FMU-124, and M904/M905 fuzes, and provides the next generation of fuzing capability for hard target, general purpose, and guided bombs. This item is procured through the Air Armament Center, Eglin AFB, Florida. The Air Force is the lead service for procurement. FY2015 \$12.424 million Overseas Contingency Operations funding appropriated. FY2016 funding includes \$3.998 million requested for Overseas Contingency Operations.
- The FMU-139D/B is the latest general purpose fuze that is currently being pursued with the Navy. This fuze will marry the AF FMU-152A/B and the Navy FMU-139C/B specs for a better buying power business case. Currently the Navy will not purchase/utilize the JPF due to safety concerns regarding its battery. These safety concerns are specific to Navy employment and do not impact the Air Force. This program is currently pending Contract Award.
- FMU-143S/B Fuze (ED29): Used to arm the bomb after release from the aircraft. Primarily applicable to precision guided munitions and penetrator bombs such as the BLU-109. Designed with insensitive munitions technology, it is the primary fuze of the FMU-143 generation for all aircraft and weapons hard target penetration applications. This item is procured through the Single Manager for Conventional Ammunition (SMCA)/Army.
- DSU-33D/B Proximity Sensor (KY70): A battery operated, RF, Doppler radar proximity sensor. It is used to provide low altitude proximity function to the bomb fuze. The sensor interfaces with FMU-139 and FMU-152 fuzes. The DSU-33D/B replaces the DSU-33C/B (GY33). This item will be procured through the Army Single Manager for Conventional Ammunition. FY2015 \$12.424 million Overseas Contingency Operations funding appropriated. FY2016 funding includes \$3.996 million requested for Overseas Contingency Operations.

LI 356120 - Fuzes

Air Force

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P-1 Line #13

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Exhibit P-40, Budget Line Item Justification: Request for Additional Appropriations	Date: March 2017	
Appropriation / Budget Activity / Budget Sub Activity:	P-1 Line Item Number / Title:	

3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 18: Fuzes 356120 / Fuzes

ID Code (A=Service Ready, B=Not Service Ready): A Program Elements for Code B Items: N/A Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

- The Hard Target Void Sensing Fuze (HTVSF) is an advanced system designed to provide fuzing and void sensing functions, enabling a weapon to penetrate and destroy hardened targets protected by multiple layers of soil and/or reinforced concrete. The HTVSF provides for in-flight programming, safing and arming, multi-function (time delay and void sensing) and multi-delay arming capabilities. The United States Air Force (USAF) and Department of the Navy (DON) will employ HTVSF in penetrator warheads (BLU-109, BLU-113), contributing to ability to strike and functionally defeat high value/high payoff targets in order to achieve strategic and operational objectives. HTVSF completed MS-C in May FY15 & Low-Rate Initial Production (LRIP) was awarded in Jul FY15. This item is procured through the Air Force Life Cycle Management Center (AFLCMC) Eglin AFB, Florida.
- Items Less Than Five Million Dollars: Various fuzes, to include inert training items, that have an annual procurement value of less than \$5,000,000 and are code A.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), these items are necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

"Fiscal Year (FY) 2017 Request for Additional Appropriations": \$10.0 million is required to address emergency warfighting readiness requirements. Additional quantity of the FMU-167/B, Hard Target Void Sensing Fuze (HTVSF) is required to fulfill operational capability for WRM stockpiles. This brings the total quantity to 5,000 fuzes and the ability to award Full Rate Production (FRP) in FY17 at maximum quantity.

PEs associated with this P-1 Line are 0208030F and 0207599F.

#### Justification:

FY2017 purchases various fuzes for use with precision guided, penetrator and unguided bombs. The FMU-152 Fuze system provides multiple arm times, instantaneous and multiple short and long delay detonation times, hard target survivability, cockpit programmability, and increased service/shelf life. The FMU-143 fuze is compatible with all aircraft and used to direct guided and unguided weapons against hard targets.

Program Office is working to pull Multi-Service Operational Test & Evaluation (MOT&E) to the left to award FRP at the beginning of FY17 in order to avoid Production gap. Contractually Full Rate Production (FRP) award must be awarded NLT 90 days from LRIP Lot 2 Initial Deliveries.

The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel (WRM) Munitions and test and training stockpiles. Active, Guard and Reserve components draw from the WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.

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Air Force

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