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**Department of Defense
Fiscal Year (FY) 2015 Amended Budget Estimates**

June 2014



Air Force

Justification Book Volume 1 of 1

Procurement of Ammunition, Air Force

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Air Force • Amended Budget Estimates FY 2015 • Procurement

Volume 1 Table of Contents

Comptroller Exhibit P-1.....Volume 1 - iii
Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xi
Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 1 - xiii
Exhibit P-40s..... Volume 1 - 1

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Department of the Air Force
 FY 2015 President's Budget
 Exhibit P-1 FY 2015 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Jun 2014

Appropriation: Procurement of Ammunition, Air Force

<u>Budget Activity</u>	<u>FY 2013 (Base & OCO)</u>	<u>FY 2014 Base Enacted</u>	<u>FY 2014 OCO Enacted</u>	<u>FY 2014 Total Enacted</u>
01. Ammunition	645,262	712,038	136,626	848,664
02. Weapons	22,935	17,639	1,200	18,839
Total Procurement of Ammunition, Air Force	668,197	729,677	137,826	867,503

UNCLASSIFIED

Page F-14

Volume 1 - iii

UNCLASSIFIED

Department of the Air Force
FY 2015 President's Budget
Exhibit P-1 FY 2015 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Jun 2014

Appropriation: Procurement of Ammunition, Air Force

<u>Budget Activity</u>	FY 2015 <u>Base</u>	FY 2015 <u>OCO</u>	FY 2015 <u>Total</u>
01. Ammunition	652,752	170,732	823,484
02. Weapons	24,648		24,648
Total Procurement of Ammunition, Air Force	677,400	170,732	848,132

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Department of the Air Force
 FY 2015 President's Budget
 Exhibit P-1 FY 2015 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Jun 2014

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO)		FY 2014 Base Enacted		FY 2014 OCO Enacted		FY 2014 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
<u>Budget Activity 01: Ammunition</u>											
Rockets											
1	Rockets	A		8,915		15,735		326		16,061	U
Cartridges											
2	Cartridges	A		124,442		129,921		7,995		137,916	U
Bombs											
3	Practice Bombs	A		29,109		25,872				25,872	U
4	General Purpose Bombs	A		177,234		187,397		37,514		224,911	U
5	Joint Direct Attack Munition	A	4678	144,610	7536	178,510	2879	71,959	10415	250,469	U
Other Items											
6	Cad/Pad	A		43,463		35,837				35,837	U
7	Explosive Ordnance Disposal (EOD)	A		6,894		7,531				7,531	U
8	Spares and Repair Parts	A		1,002		499				499	U
9	Modifications	A		1,143		480				480	U
10	Items Less Than \$5 Million	A		7,108		7,353				7,353	U
Flares											
11	Flares	A		56,433		46,866		14,973		61,839	U
Fuzes											
12	Fuzes	A		44,909		76,037		3,859		79,896	U
Total Ammunition				645,262		712,038		136,626		848,664	

UNCLASSIFIED

Page F-15

Volume 1 - v

UNCLASSIFIED

Department of the Air Force
 FY 2015 President's Budget
 Exhibit P-1 FY 2015 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Jun 2014

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2015 Base		FY 2015 OCO		FY 2015 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
<u>Budget Activity 01: Ammunition</u>									
Rockets									
1	Rockets	A		4,696				4,696	U
Cartridges									
2	Cartridges	A		133,271		2,163		135,434	U
Bombs									
3	Practice Bombs	A		31,998				31,998	U
4	General Purpose Bombs	A		148,614		41,545		190,159	U
5	Joint Direct Attack Munition	A	2973	101,400	3106	90,330	6079	191,730	U
Other Items									
6	Cad/Pad	A		29,989				29,989	U
7	Explosive Ordnance Disposal (EOD)	A		6,925				6,925	U
8	Spares and Repair Parts	A		494				494	U
9	Modifications	A		1,610				1,610	U
10	Items Less Than \$5 Million	A		4,237				4,237	U
Flares									
11	Flares	A		86,101		18,916		105,017	U
Fuzes									
12	Fuzes	A		103,417		17,778		121,195	U
Total Ammunition				652,752		170,732		823,484	

UNCLASSIFIED

Page F-15A

Volume 1 - vi

Department of the Air Force
 FY 2015 President's Budget
 Exhibit P-1 FY 2015 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Jun 2014

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO)		FY 2014 Base Enacted		FY 2014 OCO Enacted		FY 2014 Total Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
<u>Budget Activity 02: Weapons</u>											
Small Arms											
13	Small Arms	A	22,935		17,639		1,200		18,839		U
Total Weapons			22,935		17,639		1,200		18,839		
Total Procurement of Ammunition, Air Force			668,197		729,677		137,826		867,503		

Department of the Air Force
 FY 2015 President's Budget
 Exhibit P-1 FY 2015 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Jun 2014

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2015 Base		FY 2015 OCO		FY 2015 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
<u>Budget Activity 02: Weapons</u>									
Small Arms									
13	Small Arms	A	24,648				24,648		U
Total Weapons			24,648				24,648		
Total Procurement of Ammunition, Air Force			677,400		170,732		848,132		

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Department of the Air Force
 FY 2015 President's Budget
 Exhibit P-1 FY 2015 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Jun 2014

Appropriation: **Other Procurement, Air Force**

<u>Budget Activity</u>	<u>FY 2013 (Base & OCO)</u>	<u>FY 2014 Base Enacted</u>	<u>FY 2014 OCO Enacted</u>	<u>FY 2014 Total Enacted</u>
02. Vehicular Equipment	115,440	53,398		53,398
03. Electronics and Telecommunications Equip	1,352,736	1,110,532	7,495	1,118,027
04. Other Base Maintenance and Support Equip	16,761,536	15,385,642	2,510,351	17,895,993
05. Spares and Repair Parts	12,231	21,596		21,596
Total Other Procurement, Air Force	18,241,943	16,571,168	2,517,846	19,089,014

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Page F-17

Volume 1 - ix

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Air Force • Amended Budget Estimates FY 2015 • Procurement

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

Appropriation 3011F: Procurement of Ammunition, Air Force

Line #	BA	BSA	Line Item Number	Line Item Title	Page
2	01	12	352010	Cartridges.....	Volume 1 - 1
4	01	13	353020	General Purpose Bombs.....	Volume 1 - 29
5	01	13	353620	JOINT DIRECT ATTACK MUNITION.....	Volume 1 - 43
11	01	16	356010	Flares.....	Volume 1 - 55
12	01	18	356120	Fuzes.....	Volume 1 - 65

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Air Force • Amended Budget Estimates FY 2015 • Procurement

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Cartridges	352010	2	01	12.....	Volume 1 - 1
Flares	356010	11	01	16.....	Volume 1 - 55
Fuzes	356120	12	01	18.....	Volume 1 - 65
General Purpose Bombs	353020	4	01	13.....	Volume 1 - 29
JOINT DIRECT ATTACK MUNITION	353620	5	01	13.....	Volume 1 - 43

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges	P-1 Line Item Number / Title: 352010 / Cartridges
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	124.442	137.916	133.271	2.163	135.434	150.294	136.339	134.053	136.732	-	955.210
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	124.442	137.916	133.271	2.163	135.434	150.294	136.339	134.053	136.732	-	955.210
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	124.442	137.916	133.271	2.163	135.434	150.294	136.339	134.053	136.732	-	955.210
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY2013 funding includes \$13.592M appropriated for Overseas Contingency Operations.

FY2014 funding includes \$17.634M requested for Overseas Contingency Operations.

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

- 5.56MM Ball M855 (A059): This is the primary combat round used in the M16A2 and M4 rifles, against personnel and unarmored targets. Air Force procures this item through the Single Manager for Conventional Ammunition (SMCA), Department of the Army.
- 7.62MM Ball Linked M80 (A143): The M240 Machine Gun requires this linked round, used against personnel and unarmored targets. Air Force procures this item through the Single Manager for Conventional Ammunition (SMCA), Department of the Army.
- 25MM TP, PGU-23/U (A978): 25MM PGU-23 is a target practice round used in the GAU-12/A gun systems applicable to the F-35 and AC-130/U aircraft. The round is also a kinetic energy combat round used to limit collateral damage potential. Air Force procures 25MM through the Single Manager for Conventional Ammunition (SMCA), Department of the Army.
- 20MM PGU-28A/B (AA22): The M61 gun system applicable to the F-15 and F-16 aircraft gun system requires this round for air-to-air and air-to-ground targets. Both the Air Force and Navy use this ammunition for combat only. Air Force procures 20MM through the Single Manager for Conventional Ammunition (SMCA), Department of the Army. FY2014 funding totals include \$0.763M requested for Overseas Contingency Operations. FY2015 Overseas Contingency Operations funds requested for \$1.039.
- 20MM Target Practice (TP) Round PGU-27A/B (AA24): This round is used for air-to-air and air-to-ground training in the M61 aircraft gun on F-15, F-16 and F-22A aircraft. The Air Force procures various links, linking methods and mixtures of target practice and target practice tracer ammunition depending on the specific requirement of the system and the training program. The cartridge is electrically primed and has no fuze. The projectile is a solid slug sized to match the ballistics of the 20MM combat round. 20MM is the primary ammunition used in Air Force and Navy aircraft gun systems to provide a training capability to complement the PGU-28 high explosive incendiary combat round and ensure training is consistent with combat operations. Air Force procures 20MM through the Army Single Manager for Conventional Ammunition (SMCA), Department of the Army and engineering support from the Navy.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges	P-1 Line Item Number / Title: 352010 / Cartridges
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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- 5.56MM Frangible (AA40): This is the primary training round for the Air Force and consists of a lead-free small rifle primer in a brass cartridge case. These cartridges are more environmentally friendly than standard 5.56MM ball cartridges. The case is made of reusable/recyclable brass, which is the same as 5.56MM ball ammunition. The 5.56MM frangible cartridges are used in M16-series rifles, which include M4 rifles. The Air Force procures this item through the Navy.
- 30MM PGU-13 Remanufactured (AB22): PGU-13 is a High Explosive Incendiary (HEI) round that contains an M505A3 fuse and explosive material for use against light armor and personnel. DODIC AB22 represents the PGU-13s remanufactured with the recovered projectiles from expired PGU-13 cartridges. Recovering projectiles when the material becomes available is more cost effective than purchasing new projectiles or new rounds and this method offsets a portion of the stockpile replenishment requirement. Air Force purchases remanufactured rounds from the Army. FY2014 funding totals include \$4.921M requested for Overseas Contingency Operations. No Budget Year 2015 funding requested.
- 30MM HEI PGU-13/B Round (B104): This is a High Explosive Incendiary (HEI) round for the GAU-8/A cannon on the A-10 aircraft. It contains an explosive material for use against light armor and personnel. Air Force procures 30MM from the Single Manager for Conventional Ammunition (SMCA), Department of the Army. FY2014 funding totals include \$0.107M requested for Overseas Contingency Operations.
- 30MM Target Practice (TP) Cartridge PGU-15/B (B116): A solid, inert projectile used to train aircrew in the use of the GAU-8/A cannon on the A-10 aircraft. The cartridge is mechanically primed and has no fuze, while the projectile is a solid slug designed to match the ballistics of high explosive incendiary and armor piercing incendiary cartridges. Air Force procures 30MM from the Single Manager for Conventional Ammunition (SMCA), Department of the Army.
- BBU-63/B Impulse Cartridge (SS44): The BBU-63 is an aircraft impulse cartridge used to eject stores from the BRU-44 Bomb Rack. Used exclusively by the USAF, primarily applicable to the B2 Bomber. Air Force procures the BBU-63 through OO-ALC. FY2014 funding totals include \$9.639M requested for Overseas Contingency Operations.
- Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000 and are Code A. FY2015 Overseas Contingency Operations funds requested for \$1.123.

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.

Funding for this exhibit contained in PEs: 0207580F, 0207599F, 0208015F and 0208030F.

Exhibits Schedule		Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 5.56 MM FRANG (AA40)	P-40a	A	-	-	-	0.43	41,809,302	17.978	0.41	24,390,244	10.000	44.00	289,773	12.750	-	-	-	44.00	289,773	12.750
Item - BBU-63 /B IMPULSE CARTRIDGE	P-40a	A	-	-	-	517.93	4,344	2.250	524.11	1,908	1.000	528.93	6,428	3.400	-	-	-	528.94	6,428	3.400
Item - (A014) CTG, 12 GA SHOTGUN, 7-1/2 PLASTIC	P-40a	A	-	-	-	0.25	40,000	0.010	0.56	17,857	0.010	0.28	35,714	0.010	-	-	-	0.28	35,714	0.010
Item - (A062) CTG, 5.56MM BALL M855 LINKED	P-40a	A	-	-	-	-	-	-	0.30	10,000,000	3.000	-	-	-	-	-	-	-	-	-
Item - (A075) CTG, 5.56MM BLANK SAW LINKED	P-40a	A	-	-	-	0.21	1,190,476	0.250	0.22	2,045,455	0.450	0.23	43,478	0.010	-	-	-	0.23	43,478	0.010

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity:
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges

P-1 Line Item Number / Title:
352010 / Cartridges

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

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - (A080) CTG, 5.56MM BLANK M200	P-40a	A	-	-	-	0.14	1,785,714	0.250	0.16	6,250,000	1.000	-	-	-	-	-	-	-	-	-
Item - (A091) CTG, .22 CAL LONG RIFLE	P-40a	A	-	-	-	0.13	769,231	0.100	0.16	2,500,000	0.400	0.16	1,125,000	0.180	-	-	-	0.16	1,125,000	0.180
Item - (A111) CTG, 7.62MM BLANK M82 LINKED	P-40a	A	-	-	-	0.34	1,470,588	0.500	0.41	1,219,512	0.500	0.40	1,875,000	0.750	-	-	-	0.40	1,875,000	0.750
Item - (A131) CTG, 7.62MM BALL 4-1 LINKED	P-40a	A	-	-	-	0.50	5,000,000	2.500	0.61	3,278,689	2.000	0.58	3,858,621	2.238	-	-	-	0.58	3,858,621	2.238
Item - (A164) CTG, 7.62MM LINKED	P-40a	A	-	-	-	-	-	-	0.51	1,960,784	1.000	0.53	1,886,792	1.000	-	-	-	0.53	1,886,792	1.000
Item - (A246) CTG, .30 CAL BALL BULK	P-40a	A	-	-	-	-	-	-	-	-	-	0.24	104,167	0.025	-	-	-	0.24	104,167	0.025
Item - (A257) CTG, 7.62MM 9-1 DIM TRACER	P-40a	A	-	-	-	0.48	625,000	0.300	0.55	545,455	0.300	0.53	1,132,075	0.600	0.53	108,202	0.057	0.53	1,240,277	0.657
Item - (A363) 9MM BALL NATO XM882 PISTOL	P-40a	A	-	-	-	0.19	5,263,158	1.000	0.21	11,904,762	2.500	0.19	10,526,316	2.000	-	-	-	0.19	10,526,316	2.000
Item - (A403) CTG, .38 CAL SP BLANK	P-40a	A	-	-	-	0.27	92,593	0.025	0.57	43,860	0.025	0.28	2,585,714	0.724	-	-	-	0.28	2,585,714	0.724
Item - (A404) CTG, .38 CAL SP BALL WADCUTTER	P-40a	A	-	-	-	-	-	-	0.50	20,000	0.010	-	-	-	-	-	-	-	-	-
Item - (A475) CTG, CAL .45 BALL M1911	P-40a	A	-	-	-	-	-	-	0.63	158,730	0.100	0.34	294,118	0.100	-	-	-	0.34	294,118	0.100
Item - (A482) CTG CAL .45 BALL WADCUTTER	P-40a	A	-	-	-	0.28	357,143	0.100	0.51	294,118	0.150	0.32	625,000	0.200	-	-	-	0.32	625,000	0.200
Item - (A483) CTG CAL .45 BALL M1911 MTCHGRD	P-40a	A	-	-	-	0.29	344,828	0.100	0.62	161,290	0.100	0.34	441,176	0.150	-	-	-	0.34	441,176	0.150
Item - (A552) CTG, .50 CAL BALL SINGLE ROUND, M33	P-40a	A	-	-	-	1.87	66,845	0.125	2.02	123,762	0.250	2.26	88,496	0.200	-	-	-	2.26	88,496	0.200
Item - (A555) CTG, CAL .50 BALL M2 LINKED	P-40a	A	-	-	-	2.36	847,458	2.000	1.96	1,530,612	3.000	2.65	943,396	2.500	-	-	-	2.65	943,396	2.500
Item - (A557) CTG, CAL .50 BALL/TRACER/LINKED M2/M9	P-40a	A	-	-	-	1.85	1,081,081	2.000	2.01	2,487,065	4.999	2.11	1,943,128	4.100	-	-	-	2.11	1,943,128	4.100
Item - (A598) CTG CAL.50 BLNK CRMPD W/M9 LNK	P-40a	A	-	-	-	1.21	82,645	0.100	1.36	183,824	0.250	1.45	172,414	0.250	-	-	-	1.45	172,414	0.250
Item - (A606) CTG, CAL.50 API MK211 MOD 0	P-40a	A	-	-	-	-	-	-	10.81	925	0.010	-	-	-	-	-	-	-	-	-
Item - (A607) CTG, .50 CAL ARMOR PIERCING INCENDIARY	P-40a	A	-	-	-	7.88	380,711	3.000	7.88	222,081	1.750	7.96	326,633	2.600	-	-	-	7.96	326,633	2.600
Item - (AA01) CTG 5.56MM AP M995 LKD	P-40a	A	-	-	-	2.10	11,905	0.025	1.91	13,089	0.025	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity:
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges

P-1 Line Item Number / Title:
352010 / Cartridges

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

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - (AA02) CTG 5.56MM AP/TR M995/M856 4-1	P-40a	A	-	-	-	-	-	-	2.37	337,553	0.800	-	-	-	-	-	-	-	-	-
Item - (AA03) CTG. 7.62 M993 AP	P-40a	A	-	-	-	-	-	-	2.84	10,563	0.030	-	-	-	-	-	-	-	-	-
Item - (AA11) CTG. 7.62 NATO M118 SPEC BALL	P-40a	A	-	-	-	0.59	508,475	0.300	0.69	869,565	0.600	0.68	1,470,588	1.000	-	-	-	0.68	1,470,588	1.000
Item - (AA16) 9 MILLIME CARTRIDGE FRANG	P-40a	A	-	-	-	0.28	7,067,138	2.000	0.29	6,896,552	2.000	0.29	10,344,828	3.000	-	-	-	0.29	10,344,828	3.000
Item - (AA50) .50 CAL DIM TRACER	P-40a	A	-	-	-	5.24	1,475,954	7.734	6.00	371,333	2.228	7.08	211,864	1.500	-	-	-	7.08	211,864	1.500
Item - (AA51) 12 GA NON-LETHAL PT-CONT	P-40a	A	-	-	-	2.10	73,333	0.154	-	-	-	-	-	-	-	-	-	-	-	-
Item - (AA52) 12 GA NON-LETHAL CROWD	P-40a	A	-	-	-	2.20	102,273	0.225	-	-	-	-	-	-	-	-	-	-	-	-
Item - (AB09) 5.56 BLUE MARKING CARTRIDGE	P-40a	A	-	-	-	0.59	5,084,746	3.000	0.69	5,797,101	4.000	0.71	563,380	0.400	-	-	-	0.71	563,380	0.400
Item - (AB10) 5.56 RED MARKING CARTRIDGES	P-40a	A	-	-	-	0.62	4,838,710	3.000	0.69	5,797,101	4.000	0.71	633,803	0.450	-	-	-	0.71	633,803	0.450
Item - (AB13) 9MM BLUE MARKING CARTRIDGE	P-40a	A	-	-	-	0.56	1,785,714	1.000	0.61	819,672	0.500	0.68	661,765	0.450	-	-	-	0.68	661,765	0.450
Item - (AB14) 9M RED MARKING CARTRIDGE	P-40a	A	-	-	-	0.55	1,818,182	1.000	0.61	1,639,344	1.000	0.68	588,235	0.400	-	-	-	0.68	588,235	0.400
Item - (AB16) 5.56 BLUE LINKED MARKING CART	P-40a	A	-	-	-	0.89	337,079	0.300	0.82	1,219,512	1.000	0.85	235,294	0.200	-	-	-	0.85	235,294	0.200
Item - (AB17) 5.56 RED LINKED MARKING CART	P-40a	A	-	-	-	1.02	294,118	0.300	0.82	1,219,512	1.000	0.83	240,964	0.200	-	-	-	0.83	240,964	0.200
Item - (AB56) 5.56MM M855A1 LINKED LEAD FREE CART	P-40a	A	-	-	-	0.35	2,857,143	1.000	-	-	-	0.36	2,777,778	1.000	-	-	-	0.36	2,777,778	1.000
Item - (AB67) 5.56MM PRACTICE SINGLE ROUND	P-40a	A	-	-	-	-	-	-	0.61	491,803	0.300	-	-	-	-	-	-	-	-	-
Item - (AB72) CTG, 7.62MM SINGLE ROUND BLANK (was A112)	P-40a	A	-	-	-	0.29	517,241	0.150	0.73	205,479	0.150	0.36	138,889	0.050	-	-	-	0.36	138,889	0.050
Item - (AY04) CTG. BIRDSCARE,12 GAGE,PGU-26P	P-40a	A	-	-	-	-	-	-	1.06	47,170	0.050	-	-	-	-	-	-	-	-	-
Item - (B519) CARTRIDGE, 40MM PRACTICE M781	P-40a	A	-	-	-	4.68	64,103	0.300	4.88	61,475	0.300	4.88	389,344	1.900	-	-	-	4.88	389,344	1.900
Item - (B535) 40MM SWS M583	P-40a	A	-	-	-	43.61	1,720	0.075	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity:
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges

P-1 Line Item Number / Title:
352010 / Cartridges

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

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - (B576) CTG, 40MM PRACTICE, LINKED, HIGH VELOCITY	P-40a	A	-	-	-	16.05	62,305	1.000	18.44	208,026	3.836	18.45	108,401	2.000	-	-	-	18.45	108,401	2.000
Item - MED CAL Program	P-40a	A	-	-	-	-	-	1.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
Item - AF Shooting Team (AFST)	P-40a	A	-	-	-	-	-	0.140	-	-	0.140	-	-	0.140	-	-	-	-	-	0.140
Item - (3W37) CHAFF, RR-188	P-40a	A	-	-	-	-	-	-	3.33	525,526	1.750	3.36	321,429	1.080	-	-	-	3.36	321,429	1.080
Item - (JN31) CU-168 SQUIB	P-40a	A	-	-	-	-	-	-	500.00	1,068	0.534	500.00	9,998	4.999	-	-	-	500.00	9,998	4.999
Item - (MG11) CTG,IMPULSE,BBU-36/B	P-40a	A	-	-	-	1.66	35,542	0.059	1.68	148,810	0.250	1.70	602,941	1.025	1.70	73,776	0.125	1.70	676,717	1.150
Item - (MG62) CTG, IMPULSE BBU-35/B (1)	P-40a	A	-	-	-	2.35	118,723	0.279	2.35	860,851	2.023	2.37	387,764	0.919	2.37	280,977	0.666	2.37	668,741	1.585
Item - (SS27) CTG, IMPLUSE, BBU-48/B (2)	P-40a	A	-	-	-	8.89	191,114	1.699	9.32	100,429	0.936	9.08	104,736	0.951	9.08	4,830	0.044	9.08	109,566	0.995
Item - (WA83) CCU-136	P-40a	A	-	-	-	-	-	-	3.45	2,899	0.010	-	-	-	-	-	-	-	-	-
Item - (WB24) CCU-145	P-40a	A	-	-	-	-	-	-	4.70	3,191	0.015	4.75	1,052,421	4.999	-	-	-	4.75	1,052,421	4.999
Item - (WB33) CTG, IMP ARD 446-1B	P-40a	A	-	-	-	6.76	3,550	0.024	-	-	-	-	-	-	8.11	3,978	0.032	8.11	3,978	0.032
Item - (M189) ARD 863 IMPULSE CART	P-40a	A	-	-	-	-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-
Item - (M190) IMPULSE CARTRIDGE MK1 MOD1	P-40a	A	-	-	-	-	-	0.019	-	-	-	-	-	-	-	-	-	-	-	-
Item - (M943) MK107 IMPULSE CARTRIDGE	P-40a	A	-	-	-	-	-	-	-	-	-	-	-	-	116.90	788	0.092	116.90	788	0.092
Item - (MT40) BBU-46 SQUIB, ELECTRIC	P-40a	A	-	-	-	-	-	0.016	-	-	-	-	-	-	79.03	1,353	0.107	79.03	1,353	0.107
Item - (SY16) RR-180 CHAFF CARTRIDGE	P-40a	A	-	-	-	-	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-
Item - (A059) 5.56MM BALL, M855	P-5		-	-	-	0.42	9,728,225	4.100	0.24	20,605,390	5.000	0.45	15,305,503	6.900	-	-	-	0.45	15,305,503	6.900
Item - (A143) 7.62MM BALL LINKED (M80)	P-5		-	-	-	0.48	18,600,000	9.000	0.56	14,220,963	8.000	0.55	14,490,385	7.900	-	-	-	0.55	14,490,385	7.900
Item - (A978) CTG, 25MM, TP (PGU-23/U)	P-5		-	-	-	15.46	537,178	8.303	25.79	310,242	8.000	19.82	486,826	9.650	-	-	-	19.82	486,826	9.650
Item - (AA22) 20MM PGU-28A/B SEMI-AP, HEI	P-5		-	-	-	-	-	14.482	-	-	13.621	-	-	12.900	-	-	1.039	-	-	13.939
Item - (AA24) 20MM, TP PGU-27A/B	P-5		-	-	-	9.67	829,148	8.014	12.22	948,118	11.585	11.77	971,849	11.441	-	-	-	11.77	971,849	11.441
Item - (AB22) 30MM, PGU-13, REMAN	P-5		-	-	-	-	-	-	21.73	514,008	11.171	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 12: Cartridges	P-1 Line Item Number / Title: 352010 / Cartridges
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Exhibits Schedule			Program Elements for Code B Items:									Other Related Program Elements:								
		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - (B104) 30MM, PGU-13/B, HEI	P-5		-	-	-	36.74	459,724	16.890	59.16	177,698	10.513	58.53	280,728	16.430	-	-	-	58.53	280,728	16.430
Item - (B116) 30MM PGU-15/B, TP	P-5		-	-	-	20.83	300,060	6.249	34.85	250,965	8.745	26.39	250,115	6.600	-	-	-	26.39	250,115	6.600
Total Gross/Weapon System Cost			-	-	-	-	-	124.442	-	-	137.916	-	-	133.271	-	-	2.163	-	-	135.434

*For Items, Title represents the Item Number / Title [DODIC].
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 FY2015 purchases small arms ammunition for use against personnel and unarmored targets; medium caliber ammunition used in aircraft gun systems against air-to-air, air-to-ground and light armored targets, as well as certain impulse cartridges needed to eject weapons stores from bomb racks and instigate aircraft countermeasures.

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.

FY2015 Overseas Contingency Operations request for \$2.163 is to replace 20MM PGU-28 HEI and 7.62MM 9-1 Dim Tracer rounds and Impulse/Ejector Cartridges expended during FY2012 and FY2013. Procurement/Replenishment of cartridges is required to maintain readiness objectives and worldwide war reserve materiel (WRM) stockpiles and requirements as determined by the non-nuclear consumables annual analysis (NCAA), to execute DoD approved combat plans and training requirements.

Footnotes:
 (1) (MG62) BBU-35 Impulse Cartridge - FY2014 OCO request \$0.390.
 (2) (SS27) BBU-48 Impulse Cartridge - FY2014 OCO request \$0.086.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12 **P-1 Line Item Number / Title:** 352010 / Cartridges **Aggregated Items Title:** (AA40) 5.56MM, FRANGIBLE

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SUBTOTAL RECURRING HARDWARE																				
5.56 MM FRANG (AA40)	A		-	-	-	0.43	41,809,302	17.978	0.41	24,390,244	10.000	44.00	289,773	12.750	-	-	-	44.00	289,773	12.750
<i>Subtotal: SUBTOTAL RECURRING HARDWARE</i>			-	-	-	-	-	17.978	-	-	10.000	-	-	12.750	-	-	-	-	-	12.750
Total			-	-	-	-	-	17.978	-	-	10.000	-	-	12.750	-	-	-	-	-	12.750

Remarks:

The Air Force purchases Frangible rounds through the Dept of Navy. Prices for current and/or prior fiscal years represent the Vendor's total cost for completed and boxed rounds. Prices for budget years are estimates from industry obtained from the Navy.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Aggregated Items Title: (SS44) BBU-63/B, IMPULSE CART
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SUBTOTAL HARDWARE COST																				
BBU-63 /B IMPULSE CARTRIDGE	A		-	-	-	517.93	4,344	2.250	524.11	1,908	1.000	528.93	6,428	3.400	-	-	-	528.94	6,428	3.400
<i>Subtotal: SUBTOTAL HARDWARE COST</i>			-	-	-	-	-	2.250	-	-	1.000	-	-	3.400	-	-	-	-	-	3.400
Total			-	-	-	-	-	2.250	-	-	1.000	-	-	3.400	-	-	-	-	-	3.400

Remarks:

Unit price is an estimate from industry, based on the last AF order with inflation.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force															Date: June 2014				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12							P-1 Line Item Number / Title: 352010 / Cartridges								Aggregated Items Title: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SUBTOTAL ALL AMMUNITION CARTRIDGES																				
(A014) CTG, 12 GA SHOTGUN, 7-1/2 PLASTIC	A		-	-	-	0.25	40,000	0.010	0.56	17,857	0.010	0.28	35,714	0.010	-	-	-	0.28	35,714	0.010
(A062) CTG, 5.56MM BALL M855 LINKED	A		-	-	-	-	-	-	0.30	10,000,000	3.000	-	-	-	-	-	-	-	-	-
(A075) CTG, 5.56MM BLANK SAW LINKED	A		-	-	-	0.21	1,190,476	0.250	0.22	2,045,455	0.450	0.23	43,478	0.010	-	-	-	0.23	43,478	0.010
(A080) CTG, 5.56MM BLANK M200	A		-	-	-	0.14	1,785,714	0.250	0.16	6,250,000	1.000	-	-	-	-	-	-	-	-	-
(A091) CTG, .22 CAL LONG RIFLE	A		-	-	-	0.13	769,231	0.100	0.16	2,500,000	0.400	0.16	1,125,000	0.180	-	-	-	0.16	1,125,000	0.180
(A111) CTG, 7.62MM BLANK M82 LINKED	A		-	-	-	0.34	1,470,588	0.500	0.41	1,219,512	0.500	0.40	1,875,000	0.750	-	-	-	0.40	1,875,000	0.750
(A131) CTG, 7.62MM BALL 4-1 LINKED	A		-	-	-	0.50	5,000,000	2.500	0.61	3,278,689	2.000	0.58	3,858,621	2.238	-	-	-	0.58	3,858,621	2.238
(A164) CTG, 7.62MM LINKED	A		-	-	-	-	-	-	0.51	1,960,784	1.000	0.53	1,886,792	1.000	-	-	-	0.53	1,886,792	1.000
(A246) CTG, .30 CAL BALL BULK	A		-	-	-	-	-	-	-	-	-	0.24	104,167	0.025	-	-	-	0.24	104,167	0.025
(A257) CTG, 7.62MM 9-1 DIM TRACER	A		-	-	-	0.48	625,000	0.300	0.55	545,455	0.300	0.53	1,132,075	0.600	0.53	108,202	0.057	0.53	1,240,277	0.657
(A363) 9MM BALL NATO XM882 PISTOL	A		-	-	-	0.19	5,263,158	1.000	0.21	11,904,762	2.500	0.19	10,526,316	2.000	-	-	-	0.19	10,526,316	2.000
(A403) CTG, .38 CAL SP BLANK	A		-	-	-	0.27	92,593	0.025	0.57	43,860	0.025	0.28	2,585,714	0.724	-	-	-	0.28	2,585,714	0.724
(A404) CTG, .38 CAL SP BALL WADCUTTER	A		-	-	-	-	-	-	0.50	20,000	0.010	-	-	-	-	-	-	-	-	-
(A475) CTG, CAL .45 BALL M1911	A		-	-	-	-	-	-	0.63	158,730	0.100	0.34	294,118	0.100	-	-	-	0.34	294,118	0.100
(A482) CTG CAL .45 BALL WADCUTTER	A		-	-	-	0.28	357,143	0.100	0.51	294,118	0.150	0.32	625,000	0.200	-	-	-	0.32	625,000	0.200
(A483) CTG CAL .45 BALL M1911 MTCHGRD	A		-	-	-	0.29	344,828	0.100	0.62	161,290	0.100	0.34	441,176	0.150	-	-	-	0.34	441,176	0.150
(A552) CTG, .50 CAL BALL SINGLE ROUND, M33	A		-	-	-	1.87	66,845	0.125	2.02	123,762	0.250	2.26	88,496	0.200	-	-	-	2.26	88,496	0.200
(A555) CTG, CAL .50 BALL M2 LINKED	A		-	-	-	2.36	847,458	2.000	1.96	1,530,612	3.000	2.65	943,396	2.500	-	-	-	2.65	943,396	2.500

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Aggregated Items Title: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
(A557) CTG, CAL .50 BALL/TRACER/ LINKED M2/M9	A		-	-	-	1.85	1,081,081	2.000	2.01	2,487,065	4.999	2.11	1,943,128	4.100	-	-	-	2.11	1,943,128	4.100
(A598) CTG CAL.50 BLNK CRMPD W/M9 LNK	A		-	-	-	1.21	82,645	0.100	1.36	183,824	0.250	1.45	172,414	0.250	-	-	-	1.45	172,414	0.250
(A606) CTG, CAL.50 API MK211 MOD 0	A		-	-	-	-	-	-	10.81	925	0.010	-	-	-	-	-	-	-	-	-
(A607) CTG, .50 CAL ARMOR PIERCING INCENDIARY	A		-	-	-	7.88	380,711	3.000	7.88	222,081	1.750	7.96	326,633	2.600	-	-	-	7.96	326,633	2.600
(AA01) CTG 5.56MM AP M995 LKD	A		-	-	-	2.10	11,905	0.025	1.91	13,089	0.025	-	-	-	-	-	-	-	-	-
(AA02) CTG 5.56MM AP/TR M995/M856 4-1	A		-	-	-	-	-	-	2.37	337,553	0.800	-	-	-	-	-	-	-	-	-
(AA03) CTG, 7.62 M993 AP	A		-	-	-	-	-	-	2.84	10,563	0.030	-	-	-	-	-	-	-	-	-
(AA11) CTG, 7.62 NATO M118 SPEC BALL	A		-	-	-	0.59	508,475	0.300	0.69	869,565	0.600	0.68	1,470,588	1.000	-	-	-	0.68	1,470,588	1.000
(AA16) 9 MILLIME CARTRIDGE FRANG	A		-	-	-	0.28	7,067,138	2.000	0.29	6,896,552	2.000	0.29	10,344,828	3.000	-	-	-	0.29	10,344,828	3.000
(AA50) .50 CAL DIM TRACER	A		-	-	-	5.24	1,475,954	7.734	6.00	371,333	2.228	7.08	211,864	1.500	-	-	-	7.08	211,864	1.500
(AA51) 12 GA NON-LETHAL PT-CONT	A		-	-	-	2.10	73,333	0.154	-	-	-	-	-	-	-	-	-	-	-	-
(AA52) 12 GA NON-LETHAL CROWD	A		-	-	-	2.20	102,273	0.225	-	-	-	-	-	-	-	-	-	-	-	-
(AB09) 5.56 BLUE MARKING CARTRIDGE	A		-	-	-	0.59	5,084,746	3.000	0.69	5,797,101	4.000	0.71	563,380	0.400	-	-	-	0.71	563,380	0.400
(AB10) 5.56 RED MARKING CARTRIDGES	A		-	-	-	0.62	4,838,710	3.000	0.69	5,797,101	4.000	0.71	633,803	0.450	-	-	-	0.71	633,803	0.450
(AB13) 9MM BLUE MARKING CARTRIDGE	A		-	-	-	0.56	1,785,714	1.000	0.61	819,672	0.500	0.68	661,765	0.450	-	-	-	0.68	661,765	0.450
(AB14) 9M RED MARKING CARTRIDGE	A		-	-	-	0.55	1,818,182	1.000	0.61	1,639,344	1.000	0.68	588,235	0.400	-	-	-	0.68	588,235	0.400
(AB16) 5.56 BLUE LINKED MARKING CART	A		-	-	-	0.89	337,079	0.300	0.82	1,219,512	1.000	0.85	235,294	0.200	-	-	-	0.85	235,294	0.200

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Aggregated Items Title: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
(AB17) 5.56 RED LINKED MARKING CART	A		-	-	-	1.02	294,118	0.300	0.82	1,219,512	1.000	0.83	240,964	0.200	-	-	-	0.83	240,964	0.200
(AB56) 5.56MM M855A1 LINKED LEAD FREE CART	A		-	-	-	0.35	2,857,143	1.000	-	-	-	0.36	2,777,778	1.000	-	-	-	0.36	2,777,778	1.000
(AB67) 5.56MM PRACTICE SINGLE ROUND	A		-	-	-	-	-	-	0.61	491,803	0.300	-	-	-	-	-	-	-	-	-
(AB72) CTG, 7.62MM SINGLE ROUND BLANK (was A112)	A		-	-	-	0.29	517,241	0.150	0.73	205,479	0.150	0.36	138,889	0.050	-	-	-	0.36	138,889	0.050
(AY04) CTG, BIRDSCARE, 12 GAGE, PGU-26P	A		-	-	-	-	-	-	1.06	47,170	0.050	-	-	-	-	-	-	-	-	-
(B519) CARTRIDGE, 40MM PRACTICE M781	A		-	-	-	4.68	64,103	0.300	4.88	61,475	0.300	4.88	389,344	1.900	-	-	-	4.88	389,344	1.900
(B535) 40MM SWS M583	A		-	-	-	43.61	1,720	0.075	-	-	-	-	-	-	-	-	-	-	-	-
(B576) CTG, 40MM PRACTICE, LINKED, HIGH VELOCITY	A		-	-	-	16.05	62,305	1.000	18.44	208,026	3.836	18.45	108,401	2.000	-	-	-	18.45	108,401	2.000
MED CAL Program	A		-	-	-	-	-	1.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
AF Shooting Team (AFST)	A		-	-	-	-	-	0.140	-	-	0.140	-	-	0.140	-	-	-	-	-	0.140
<i>Subtotal: SUBTOTAL ALL AMMUNITION CARTRIDGES</i>			-	-	-	-	-	35.063	-	-	44.763	-	-	31.327	-	-	0.057	-	-	31.384
SUBTOTAL ALL CHAFF AND IMPULSE CARTRIDGES																				
(3W37) CHAFF, RR-188	A		-	-	-	-	-	-	3.33	525,526	1.750	3.36	321,429	1.080	-	-	-	3.36	321,429	1.080
(JN31) CU-168 SQUIB	A		-	-	-	-	-	-	500.00	1,068	0.534	500.00	9,998	4.999	-	-	-	500.00	9,998	4.999
(MG11) CTG, IMPULSE, BBU-36/B	A		-	-	-	1.66	35,542	0.059	1.68	148,810	0.250	1.70	602,941	1.025	1.70	73,776	0.125	1.70	676,717	1.150
(MG62) CTG, IMPULSE BBU-35/B (1)	A		-	-	-	2.35	118,723	0.279	2.35	860,851	2.023	2.37	387,764	0.919	2.37	280,977	0.666	2.37	668,741	1.585
(SS27) CTG, IMPULSE, BBU-48/B (2)	A		-	-	-	8.89	191,114	1.699	9.32	100,429	0.936	9.08	104,736	0.951	9.08	4,830	0.044	9.08	109,566	0.995
(WA83) CCU-136	A		-	-	-	-	-	-	3.45	2,899	0.010	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force															Date: June 2014				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12						P-1 Line Item Number / Title: 352010 / Cartridges						Aggregated Items Title: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)							

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
(WB24) CCU-145	A		-	-	-	-	-	-	4.70	3,191	0.015	4.75	1,052,421	4.999	-	-	-	4.75	1,052,421	4.999
(WB33) CTG, IMP ARD 446-1B	A		-	-	-	6.76	3,550	0.024	-	-	-	-	-	-	8.11	3,978	0.032	8.11	3,978	0.032
(M189) ARD 863 IMPULSE CART	A		-	-	-	-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-
(M190) IMPULSE CARTRIDGE MK1 MOD1	A		-	-	-	-	-	0.019	-	-	-	-	-	-	-	-	-	-	-	-
(M943) MK107 IMPULSE CARTRIDGE	A		-	-	-	-	-	-	-	-	-	-	-	-	116.90	788	0.092	116.90	788	0.092
(MT40) BBU-46 SQUIB, ELECTRIC	A		-	-	-	-	-	0.016	-	-	-	-	-	-	79.03	1,353	0.107	79.03	1,353	0.107
(SY16) RR-180 CHAFF CARTRIDGE	A		-	-	-	-	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: SUBTOTAL ALL CHAFF AND IMPULSE CARTRIDGES</i>			-	-	-	-	-	2.113	-	-	5.518	-	-	13.973	-	-	1.066	-	-	15.039
Total			-	-	-	-	-	37.176	-	-	50.281	-	-	45.300	-	-	1.124	-	-	46.424

Remarks:

All Ammunition Cartridges:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain munitions items for the DoD Military Services purchasing the same or similar items. Cost drivers include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases). FY14 price changes are due to new contracts with Lake City Army Ammo Plant (LCAAP) and the planned procurements of other customers.

The Navy procures Frangible rounds such as DODIC AA16, 9MM for the Air Force and prices provided based on vendor estimates and AF and Navy combined planned procurements.

All Chaff and Impulse Cartridges:

Items are managed and procured through OO-ALC. Prices are estimates from industry.

Footnotes:

(1) (MG62) BBU-35 Impulse Cartridge - FY2014 OCO request \$0.390.

(2) (SS27) BBU-48 Impulse Cartridge - FY2014 OCO request \$0.086.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A059) 5.56MM BALL, M855

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (<i>Units in Each</i>)	-	9,728,225	20,605,390	15,305,503	-	15,305,503
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	4.100	5.000	6.900	-	6.900
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	4.100	5.000	6.900	-	6.900
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	4.100	5.000	6.900	-	6.900

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	0.42	0.24	0.45	-	0.45

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK	-	-	-	0.40	9,728,225	3.891	0.22	20,605,390	4.533	0.40	15,305,503	6.122	-	-	-	0.40	15,305,503	6.122
BOX, METAL M2A2	-	-	-	10.00	11,884	0.119	12.70	24,946	0.317	13.22	18,366	0.243	-	-	-	13.22	18,366	0.243
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	4.010	-	-	4.850	-	-	6.365	-	-	-	-	-	6.365
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	4.010	-	-	4.850	-	-	6.365	-	-	-	-	-	6.365
Support - Support Cost Element Category Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.047	-	-	0.150	-	-	0.376	-	-	-	-	-	0.376
QUALITY ASSURANCE	-	-	-	-	-	0.002	-	-	-	-	-	0.002	-	-	-	-	-	0.002
ACCEPTANCE TESTING	-	-	-	-	-	0.041	-	-	-	-	-	0.157	-	-	-	-	-	0.157
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.090	-	-	0.150	-	-	0.535	-	-	-	-	-	0.535
Gross/Weapon System Cost	-	-	-	0.42	9,728,225	4.100	0.24	20,605,390	5.000	0.45	15,305,503	6.900	-	-	-	0.45	15,305,503	6.900

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain containers, pallets, explosive material, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

The load, assemble and pack quantity is the number of completed rounds to be delivered into the AF inventory.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A143) 7.62MM BALL LINKED (M80)
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (Units in Each)	-	18,600,000	14,220,963	14,490,385	-	14,490,385
Gross/Weapon System Cost (\$ in Millions)	-	9.000	8.000	7.900	-	7.900
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	9.000	8.000	7.900	-	7.900
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	9.000	8.000	7.900	-	7.900

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	0.48	0.56	0.55	-	0.55

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
7.62MM M80 BALL, FLASH SUPPRESSED PROPELLANT	-	-	-	0.47	18,600,000	8.742	0.52	14,220,963	7.395	0.52	14,490,385	7.535	-	-	-	0.52	14,490,385	7.535
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	8.742	-	-	7.395	-	-	7.535	-	-	-	-	-	7.535
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	8.742	-	-	7.395	-	-	7.535	-	-	-	-	-	7.535
Support - Support Cost Element Category Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.218	-	-	0.500	-	-	0.282	-	-	-	-	-	0.282
ACCEPTANCE TESTING	-	-	-	-	-	0.036	-	-	0.098	-	-	0.055	-	-	-	-	-	0.055
QUALITY ASSURANCE	-	-	-	-	-	0.004	-	-	0.007	-	-	0.006	-	-	-	-	-	0.006
PRODUCTION VERIFICATION TESTING	-	-	-	-	-	-	-	-	-	-	-	0.022	-	-	-	-	-	0.022
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.258	-	-	0.605	-	-	0.365	-	-	-	-	-	0.365
Gross/Weapon System Cost	-	-	-	0.48	18,600,000	9.000	0.56	14,220,963	8.000	0.55	14,490,385	7.900	-	-	-	0.55	14,490,385	7.900

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain hardware, containers, pallets, straps, explosive material, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A143) 7.62MM BALL LINKED (M80)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A978) CTG, 25MM, TP (PGU-23/U)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (<i>Units in Each</i>)	-	537,178	310,242	486,826	-	486,826
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	8.303	8.000	9.650	-	9.650
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	8.303	8.000	9.650	-	9.650
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	8.303	8.000	9.650	-	9.650

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	15.46	25.79	19.82	-	19.82

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK	-	-	-	15.00	537,178	8.058	25.24	310,242	7.831	19.13	486,826	9.313	-	-	-	19.13	486,826	9.313
PALLET MK3-0	-	-	-	140.00	288	0.040	238.65	166	0.040	172.46	261	0.045	-	-	-	172.46	261	0.045
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	8.098	-	-	7.870	-	-	9.358	-	-	-	-	-	9.358
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	8.098	-	-	7.870	-	-	9.358	-	-	-	-	-	9.358
Support - Support Cost Element Category Cost																		
ACCEPTANCE TESTING	-	-	-	-	-	-	-	-	0.052	-	-	0.065	-	-	-	-	-	0.065
QUALITY ASSURANCE	-	-	-	-	-	-	-	-	0.006	-	-	0.005	-	-	-	-	-	0.005
FIRST ARTICLE TEST	-	-	-	-	-	0.195	-	-	0.072	-	-	0.220	-	-	-	-	-	0.220
PALLET PACKING, CRATING, HANDLING	-	-	-	-	-	0.003	-	-	-	-	-	-	-	-	-	-	-	-
PALLET TESTING	-	-	-	-	-	0.001	-	-	-	-	-	0.002	-	-	-	-	-	0.002
GFM RECEIPTS HANDLING COST	-	-	-	-	-	0.006	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.205	-	-	0.130	-	-	0.292	-	-	-	-	-	0.292
Gross/Weapon System Cost	-	-	-	15.46	537,178	8.303	25.79	310,242	8.000	19.82	486,826	9.650	-	-	-	19.82	486,826	9.650

Remarks:

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (A978) CTG, 25MM, TP (PGU-23/U)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
<p>Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain containers, pallets, explosive material, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).</p> <p>The load, assemble and pack quantity is the number of completed rounds to be delivered into the AF inventory.</p>		

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AA22) 20MM PGU-28A/B SEMI-AP, HEI

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	14.482	13.621	12.900	1.039	13.939
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	14.482	13.621	12.900	1.039	13.939
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	14.482	13.621	12.900	1.039	13.939

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK	-	-	-	18.94	745,776	14.125	24.00	550,835	13.220	23.00	545,494	12.546	23.00	44,787	1.030	23.00	590,281	13.576
BOX, METAL M548	-	-	-	37.64	3,057	0.115	42.00	2,257	0.095	40.17	2,236	0.090	40.17	183	0.007	40.17	2,419	0.097
PALLET MK3-0	-	-	-	140.09	149	0.021	240.00	109	0.026	172.46	109	0.019	172.00	9	0.002	172.42	118	0.020
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	14.261	-	-	13.341	-	-	12.655	-	-	1.039	-	-	13.694
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	14.261	-	-	13.341	-	-	12.655	-	-	1.039	-	-	13.694
Support - Support Cost Element Category Cost																		
QUALITY ASSURANCE	-	-	-	-	-	0.007	-	-	0.005	-	-	0.006	-	-	-	-	-	0.006
FIRST ARTICLE TESTING	-	-	-	-	-	0.212	-	-	0.269	-	-	0.239	-	-	-	-	-	0.239
QUALITY ASSURANCE TEST - MK3 PALLETS	-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	-	-	-	-
PALLET PACKING, CRATING AND HANDLING	-	-	-	-	-	0.002	-	-	0.003	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.221	-	-	0.280	-	-	0.245	-	-	-	-	-	0.245
Gross/Weapon System Cost	-	-	-	-	-	14.482	-	-	13.621	-	-	12.900	-	-	1.039	-	-	13.939

Remarks:

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AA22) 20MM PGU-28A/B SEMI-AP, HEI
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain containers, pallets, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).</p> <p>Load, Assemble and Pack (LAP) costs are applicable to production, build-up and packing/boxing the ammunition rounds. The LAP quantity is the number of completed rounds to be delivered into the AF inventory.</p> <p>Packaging, Crating and Handling (PC&H) cost is associated with transferring the completed order from production to the first destination.</p>		

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AA24) 20MM, TP PGU-27A/B
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (Units in Each)	-	829,148	948,118	971,849	-	971,849
Gross/Weapon System Cost (\$ in Millions)	-	8.014	11.585	11.441	-	11.441
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	8.014	11.585	11.441	-	11.441
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	8.014	11.585	11.441	-	11.441

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	9.67	12.22	11.77	-	11.77

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK	-	-	-	9.36	829,148	7.761	11.70	948,118	11.093	11.28	971,849	10.962	-	-	-	11.28	971,849	10.962
BOX METAL M548	-	-	-	37.64	3,401	0.128	41.65	3,771	0.157	40.17	3,985	0.160	-	-	-	40.17	3,985	0.160
PALLET MK3-0	-	-	-	140.09	166	0.023	238.58	171	0.041	172.46	194	0.033	-	-	-	172.46	194	0.033
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	7.912	-	-	11.291	-	-	11.156	-	-	-	-	-	11.156
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	7.912	-	-	11.291	-	-	11.156	-	-	-	-	-	11.156
Support - Support Cost Element Category Cost																		
QUALITY ASSURANCE	-	-	-	-	-	0.002	-	-	0.005	-	-	0.011	-	-	-	-	-	0.011
FIRST ARTICLE TEST	-	-	-	-	-	0.095	-	-	0.279	-	-	0.274	-	-	-	-	-	0.274
PALLET PACKAGING, CRATING, HANDLING	-	-	-	-	-	0.002	-	-	0.004	-	-	-	-	-	-	-	-	-
MK3 LAT TESTING ⁽³⁾	-	-	-	-	-	0.001	-	-	0.006	-	-	-	-	-	-	-	-	-
GFM RECEIPT HANDLING	-	-	-	-	-	0.002	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.102	-	-	0.294	-	-	0.285	-	-	-	-	-	0.285
Gross/Weapon System Cost	-	-	-	9.67	829,148	8.014	12.22	948,118	11.585	11.77	971,849	11.441	-	-	-	11.77	971,849	11.441

Remarks:

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AA24) 20MM, TP PGU-27A/B

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain containers, pallets, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

Load, Assemble and Pack (LAP) costs are applicable to production, build-up and packaging the individual round. The LAP quantity is the number of completed rounds to be delivered into the AF inventory.

Packaging, Crating and Handling (PC&H) cost is associated with transferring the completed order from production to the first destination.

Footnotes:

⁽³⁾ MK3 pallet testing will be performed as according to specification. Cost of testing increased for 20mm program due to MK3 no longer being used to transport non-20mm assets, therefore the 20mm program will bear the costs for MK3 Pallets.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AB22) 30MM, PGU-13, REMAN

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	514,008	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	11.171	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	-	11.171	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	11.171	-	-	-

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	21.73	-	-	-

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK	-	-	-	-	-	-	15.31	514,008	7.869	-	-	-	-	-	-	-	-	-
CONTAINER CNU-332 A/E	-	-	-	-	-	-	2,888.59	925	2.672	-	-	-	-	-	-	-	-	-
TUBE AND STRAP ASSEMBLY	-	-	-	-	-	-	431.21	925	0.399	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	10.940	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	-	-	-	10.940	-	-	-	-	-	-	-	-	-
Support - Support Cost Element Category Cost																		
QUALITY ASSURANCE	-	-	-	-	-	-	-	-	0.008	-	-	-	-	-	-	-	-	-
ACCEPTANCE TESTING	-	-	-	-	-	-	-	-	0.031	-	-	-	-	-	-	-	-	-
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	0.192	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	-	-	-	0.231	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	21.73	514,008	11.171	-	-	-	-	-	-	-	-	-

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Dept of the Army. Cost drivers are based on orders (increases and/or decreases) from other DoD Services and activities, economic price adjustments, currency rate fluctuations, cost of complex or scarce materials, and competition in contracting efforts.

Load, Assemble, and Pack (LAP) costs are applicable to production and build-up of the round. The LAP quantity is the number of completed rounds to be delivered into the AF inventory.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (AB22) 30MM, PGU-13, REMAN
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force														Date: June 2014				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12							P-1 Line Item Number / Title: 352010 / Cartridges							Item Number / Title [DODIC]: - / (B104) 30MM, PGU-13/B, HEI				
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO		FY 2015 Total	
Procurement Quantity (<i>Units in Each</i>)				-		459,724			177,698			280,728			-		280,728	
Gross/Weapon System Cost (<i>\$ in Millions</i>)				-		16.890			10.513			16.430			-		16.430	
Less PY Advance Procurement (<i>\$ in Millions</i>)				-		-			-			-			-		-	
Net Procurement (P1) (<i>\$ in Millions</i>)				-		16.890			10.513			16.430			-		16.430	
Plus CY Advance Procurement (<i>\$ in Millions</i>)				-		-			-			-			-		-	
Total Obligation Authority (<i>\$ in Millions</i>)				-		16.890			10.513			16.430			-		16.430	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																		
Initial Spares (<i>\$ in Millions</i>)				-		-			-			-			-		-	
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)				-		36.74			59.16			58.53			-		58.53	
Cost Elements																		
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP)																		
	-	-	-	35.35	459,724	16.251	50.08	177,698	8.899	54.27	280,728	15.235	-	-	-	54.27	280,728	15.235
TUBE AND STRAP ASSEMBLY F/30MM																		
	-	-	-	-	-	-	431.21	338	0.146	441.57	503	0.222	-	-	-	441.57	503	0.222
CONTAINER CNU-332																		
	-	-	-	-	-	-	2,888.59	338	0.976	498.90	503	0.251	-	-	-	498.90	503	0.251
<i>Subtotal: Recurring Cost</i>																		
	-	-	-	-	-	16.251	-	-	10.021	-	-	15.708	-	-	-	-	-	15.708
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>																		
	-	-	-	-	-	16.251	-	-	10.021	-	-	15.708	-	-	-	-	-	15.708
Support - Support Cost Element Category Cost																		
ACCEPTANCE TESTING																		
	-	-	-	-	-	0.025	-	-	0.010	-	-	0.019	-	-	-	-	-	0.019
QUALITY ASSURANCE																		
	-	-	-	-	-	0.016	-	-	0.008	-	-	0.010	-	-	-	-	-	0.010
FIRST ARTICLE TESTING																		
	-	-	-	-	-	0.007	-	-	0.474	-	-	0.693	-	-	-	-	-	0.693
ENGINEERING CHANGE REQUESTED (4)																		
	-	-	-	-	-	0.591	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support Cost Element Category Cost</i>																		
	-	-	-	-	-	0.639	-	-	0.492	-	-	0.722	-	-	-	-	-	0.722
Gross/Weapon System Cost																		
	-	-	-	36.74	459,724	16.890	59.16	177,698	10.513	58.53	280,728	16.430	-	-	-	58.53	280,728	16.430
Remarks:																		

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (B104) 30MM, PGU-13/B, HEI

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain containers, pallets, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

Load, Assemble and Pack (LAP) costs are applicable to production, build-up and packaging the individual round. The LAP quantity is the number of completed rounds to be delivered into the AF inventory.

Footnotes:

⁽⁴⁾ Air Force requested engineering changes to eliminate a cartridge case-mouth flare issue. This required GD-OTS to accomplish major maintenance and equipment changes on the production line.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (B116) 30MM PGU-15/B, TP

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity <i>(Units in Each)</i>	-	300,060	250,965	250,115	-	250,115
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	6.249	8.745	6.600	-	6.600
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	6.249	8.745	6.600	-	6.600
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	6.249	8.745	6.600	-	6.600

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	20.83	34.85	26.39	-	26.39

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
LOAD,ASSEMBLE,PACK	-	-	-	20.75	300,060	6.226	31.65	250,965	7.943	22.71	246,083	5.589	-	-	-	22.71	246,083	5.589
CONTAINER CNU-332E	-	-	-	-	-	-	223.27	451	0.101	499.05	443	0.221	-	-	-	499.05	443	0.221
TUBE AND STRAP ASSEMBLY	-	-	-	-	-	-	431.21	451	0.194	441.70	443	0.196	-	-	-	441.70	443	0.196
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	6.226	-	-	8.238	-	-	6.005	-	-	-	-	-	6.005
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	6.226	-	-	8.238	-	-	6.005	-	-	-	-	-	6.005
Support - Support Cost Element Category Cost																		
QUALITY ASSURANCE	-	-	-	-	-	0.008	-	-	0.004	-	-	0.006	-	-	-	-	-	0.006
ACCEPTANCE TESTING	-	-	-	-	-	0.015	-	-	0.016	-	-	0.016	-	-	-	-	-	0.016
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	0.487	-	-	0.573	-	-	-	-	-	0.573
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.023	-	-	0.507	-	-	0.595	-	-	-	-	-	0.595
Gross/Weapon System Cost	-	-	-	20.83	300,060	6.249	34.85	250,965	8.745	26.39	250,115	6.600	-	-	-	26.39	250,115	6.600

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain hardware, containers, pallets, straps, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

Load, Assemble and Pack (LAP) costs are applicable to production, build-up and packaging the individual round.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 12	P-1 Line Item Number / Title: 352010 / Cartridges	Item Number / Title [DODIC]: - / (B116) 30MM PGU-15/B, TP
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs	P-1 Line Item Number / Title: 353020 / General Purpose Bombs
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	177.233	224.911	148.614	41.545	190.159	449.052	492.695	303.409	366.873	-	2,204.332
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	177.233	224.911	148.614	41.545	190.159	449.052	492.695	303.409	366.873	-	2,204.332
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	177.233	224.911	148.614	41.545	190.159	449.052	492.695	303.409	366.873	-	2,204.332

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY2013 funding totals include \$23.211M appropriated for Overseas Contingency Operations.

FY2014 funding totals include \$37.514M 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 Ogden ALC. No FY15 funding requested.
- 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 Ogden ALC. FY2014 funding totals include \$0.462M requested for Overseas Contingency Operations. FY2015 Overseas Contingency Operations \$8.102 requested.
- 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. FY2014 funding totals include \$1.342M requested for Overseas Contingency Operations. FY2015 Overseas Contingency Operations \$8.101 requested.

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). FY2014 funding totals include \$16.937M requested for Overseas Contingency Operations. FY2015 Overseas Contingency Operations \$4.171 requested.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity:
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs

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

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

- BLU-111 (ED15) is a thermally-protected General Purpose Bomb, identical to the MK-82 (500 lb bomb), except for type of explosive filler. 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). FY2014 funding totals include \$18.221M requested for Overseas Contingency Operations. FY2015 Overseas Contingency Operations \$4.171 requested.
- BLU-109 (ED49) warhead is a 2000-pound hard target penetrator bomb designed with Insensitive Munitions (IM) technology. 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). FY2014 funding totals include \$0.536M requested for Overseas Contingency Operations. FY2015 Overseas Contingency Operations \$17.000 requested.
- Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000 and are Code A. FY2014 funding totals include \$0.016M requested for Overseas Contingency Operations. No Budget Year 2015 funding requested.

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.

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

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - MXU-651/B FIN ASSEMBLY - EC31	P-40a	A	-	-	-	6,850.60	1,158	7.933	6,935.64	1,243	8.621	-	-	-	-	-	-	-	-	-
Item - MXU-650 FIN ASSEMBLY - EC32 ⁽¹⁾	P-40a	A	-	-	-	4,969.63	2,766	13.746	4,163.00	3,510	14.612	4,006.19	2,585	10.356	4,006.92	2,022	8.102	4,006.51	4,607	18.458
Item - MAU-209C/B - ED58	P-40a	A	-	-	-	6,364.85	5,542	35.274	8,495.25	5,737	48.737	7,035.46	6,966	49.009	7,038.23	1,151	8.101	7,035.85	8,117	57.110
Item - LANYARD ASSY BOMB (EA67) ⁽²⁾	P-40a	A	-	-	-	18.43	217	0.004	18.52	378	0.007	-	-	-	-	-	-	-	-	-
Item - LANYARD (EA99) ⁽³⁾	P-40a	A	-	-	-	15.97	313	0.005	15.99	563	0.009	-	-	-	-	-	-	-	-	-
Item - BLU-110B/B GENERAL PURPOSE BOMB (ED41)	P-40a	A	-	-	-	-	-	-	12,016.48	182	2.187	-	-	-	-	-	-	-	-	-
Item - FIN ASSY BSU-33B/B (EE10) (was DODIC F782)	P-40a	A	-	-	-	256.48	21,105	5.413	-	-	-	-	-	-	-	-	-	-	-	-
Item - CUP NOSESUPPORT MK81,82,83,84 (FW26)	P-40a	A	-	-	-	10.87	276	0.003	-	-	-	11.00	45,455	0.500	-	-	-	11.00	45,455	0.500
Item - PLUG, NOSE FOR GP BOMB (G008)	P-40a	A	-	-	-	3.80	263	0.001	-	-	-	-	-	-	-	-	-	-	-	-
Item - BLU-109 IM	P-40a	A	-	-	-	-	-	2.000	-	-	2.000	-	-	2.000	-	-	-	-	-	2.000

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity:
3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs

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

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

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - BLU-109 LWIP	P-40a	A	-	-	-	-	-	3.000	-	-	3.000	-	-	3.000	-	-	-	-	-	3.000
Item - GP BOMB IM PRODUCTION ENGINEERING	P-40a	A	-	-	-	-	-	4.900	-	-	4.900	-	-	4.900	-	-	-	-	-	4.900
Item - MOP ENHANCEMENTS	P-40a	A	-	-	-	-	-	6.919	-	-	-	-	-	-	-	-	-	-	-	-
Item - (ED09) BLU-117, 2000LB GP BOMB	P-5		-	-	-	20,970.94	826	17.322	24,859.00	1,156	28.737	26,707.94	315	8.413	27,261.44	153	4.171	26,888.89	468	12.584
Item - (ED15) BLU-111A/B 500LB GP BOMB	P-5		-	-	-	5,023.40	4,445	22.329	6,307.30	4,481	28.263	6,552.61	1,245	8.158	6,436.73	648	4.171	6,512.94	1,893	12.329
Item - (ED49) BLU-109 2000 LB HARD TARGET BOMB	P-5		-	-	-	27,815.15	2,099	58.384	34,947.06	2,399	83.838	34,087.58	1,827	62.278	34,000.00	500	17.000	34,068.76	2,327	79.278
Total Gross/Weapon System Cost			-	-	-	-	-	177.233	-	-	224.911	-	-	148.614	-	-	41.545	-	-	190.159

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
FY2015 purchases 500, 1000 and 2000 pound conventional general purpose bombs, and guidance and control kits to provide precision bombing capabilities. 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.

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.

FY2015 Overseas Contingency Operations request for \$41.545 is to replace MXU-650 Guidance Control Group (GCG) Fin Assemblies, MAU-209 Computer Control Groups (CCG), BLU-117 2000LB, BLU-111 500LB and BLU-109 2000LB Hard Target bombs expended during FY2012 and FY2013. 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.

Footnotes:
(1) Due to contracts which are generally split between two contractors, the unit prices for each year are based on the average and adjusted for inflation.
(2) (EA67) Lanyard Assembly FY2014 OCO request \$0.007 replaces assets expended in OEF in FY2011.
(3) (EA99) Kevlar Extension Lanyard FY2014 OCO request \$0.009 replaces assets expended in OEF in FY2011.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force															Date: June 2014				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13					P-1 Line Item Number / Title: 353020 / General Purpose Bombs										Aggregated Items Title: (EC31) MXU-651/B AFG, FIN ASSEMBLY				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TOTAL RECURRING HARDWARE COST																				
MXU-651/B FIN ASSEMBLY - EC31	A		-	-	-	6,850.60	1,158	7.933	6,935.64	1,243	8.621	-	-	-	-	-	-	-	-	
<i>Subtotal: TOTAL RECURRING HARDWARE COST</i>			-	-	-	-	-	7.933	-	-	8.621	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	7.933	-	-	8.621	-	-	-	-	-	-	-	-	

Remarks:
Prices shown on the P40A reflect the average unit cost of split-award contracts. Due to the competitive nature of the currently qualified vendors, estimated unit costs are not available for planning purposes.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13 **P-1 Line Item Number / Title:** 353020 / General Purpose Bombs **Aggregated Items Title:** (EC32) MXU-650 GCG, FIN ASSEMBLY

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SUBTOTAL RECURRING HARDWARE																				
MXU-650 FIN ASSEMBLY - EC32 ⁽¹⁾	A		-	-	-	4,969.63	2,766	13.746	4,163.00	3,510	14.612	4,006.19	2,585	10.356	4,006.92	2,022	8.102	4,006.51	4,607	18.458
<i>Subtotal: SUBTOTAL RECURRING HARDWARE</i>			-	-	-	-	-	13.746	-	-	14.612	-	-	10.356	-	-	8.102	-	-	18.458
Total			-	-	-	-	-	13.746	-	-	14.612	-	-	10.356	-	-	8.102	-	-	18.458

Remarks:

Prices shown reflect the average unit cost of split-award contracts plus inflation. Due to the competitive nature of the currently qualified vendors, estimated unit cost information is not available for planning purposes.

Footnotes:

⁽¹⁾ Due to contracts which are generally split between two contractors, the unit prices for each year are based on the average and adjusted for inflation.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Aggregated Items Title: (ED58) MAU-209C/B
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SUBTOTAL RECURRING HARDWARE COST																				
MAU-209C/B - ED58	A		-	-	-	6,364.85	5,542	35.274	8,495.25	5,737	48.737	7,035.46	6,966	49.009	7,038.23	1,151	8.101	7,035.85	8,117	57.110
<i>Subtotal: SUBTOTAL RECURRING HARDWARE COST</i>			-	-	-	-	-	35.274	-	-	48.737	-	-	49.009	-	-	8.101	-	-	57.110
Total			-	-	-	-	-	35.274	-	-	48.737	-	-	49.009	-	-	8.101	-	-	57.110

Remarks:

Prices shown reflect the average unit cost of split-award contracts plus inflation. Due to the competitive nature of the currently qualified vendors, estimated unit costs are not available for planning purposes.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force															Date: June 2014				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13						P-1 Line Item Number / Title: 353020 / General Purpose Bombs						Aggregated Items Title: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)							

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
LANYARD ASSY BOMB (EA67) ⁽²⁾	A		-	-	-	18.43	217	0.004	18.52	378	0.007	-	-	-	-	-	-	-	-	-
LANYARD (EA99) ⁽³⁾	A		-	-	-	15.97	313	0.005	15.99	563	0.009	-	-	-	-	-	-	-	-	-
BLU-110B/B GENERAL PURPOSE BOMB (ED41)	A		-	-	-	-	-	-	12,016.48	182	2.187	-	-	-	-	-	-	-	-	-
FIN ASSY BSU-33B/ B (EE10) (was DODIC F782)	A		-	-	-	256.48	21,105	5.413	-	-	-	-	-	-	-	-	-	-	-	-
CUP NOSESUPPORT MK81,82,83,84 (FW26)	A		-	-	-	10.87	276	0.003	-	-	-	11.00	45,455	0.500	-	-	-	11.00	45,455	0.500
PLUG, NOSE FOR GP BOMB (G008)	A		-	-	-	3.80	263	0.001	-	-	-	-	-	-	-	-	-	-	-	-
BLU-109 IM	A		-	-	-	-	-	2.000	-	-	2.000	-	-	2.000	-	-	-	-	-	2.000
BLU-109 LWIP	A		-	-	-	-	-	3.000	-	-	3.000	-	-	3.000	-	-	-	-	-	3.000
GP BOMB IM PRODUCTION ENGINEERING	A		-	-	-	-	-	4.900	-	-	4.900	-	-	4.900	-	-	-	-	-	4.900
MOP ENHANCEMENTS	A		-	-	-	-	-	6.919	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	22.245	-	-	12.103	-	-	10.400	-	-	-	-	-	10.400
Total			-	-	-	-	-	22.245	-	-	12.103	-	-	10.400	-	-	-	-	-	10.400

Footnotes:

⁽²⁾ (EA67) Lanyard Assembly FY2014 OCO request \$0.007 replaces assets expended in OEF in FY2011.

⁽³⁾ (EA99) Kevlar Extension Lanyard FY2014 OCO request \$0.009 replaces assets expended in OEF in FY2011.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force														Date: June 2014					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13						P-1 Line Item Number / Title: 353020 / General Purpose Bombs						Item Number / Title [DODIC]: - / (ED09) BLU-117, 2000LB GP BOMB							
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:											
Resource Summary				Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total					
Procurement Quantity (<i>Units in Each</i>)				-		826		1,156		315		153		468					
Gross/Weapon System Cost (<i>\$ in Millions</i>)				-		17.322		28.737		8.413		4.171		12.584					
Less PY Advance Procurement (<i>\$ in Millions</i>)				-		-		-		-		-		-					
Net Procurement (P1) (<i>\$ in Millions</i>)				-		17.322		28.737		8.413		4.171		12.584					
Plus CY Advance Procurement (<i>\$ in Millions</i>)				-		-		-		-		-		-					
Total Obligation Authority (<i>\$ in Millions</i>)				-		17.322		28.737		8.413		4.171		12.584					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																			
Initial Spares (<i>\$ in Millions</i>)				-		-		-		-		-		-					
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)				-		20,970.94		24,859.00		26,707.94		27,261.44		26,888.89					
Cost Elements		Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																			
Recurring Cost																			
LOAD, ASSEMBLE, PACK		-	-	-	4,433.22	826	3.662	5,002.69	1,156	5.783	5,142.00	315	1.620	5,143.00	153	0.787	5,142.33	468	2.407
BOMB BODY 2000LB MK84 MOD 10 IM		-	-	-	6,228.60	842	5.244	4,954.75	1,177	5.832	7,072.00	315	2.228	7,073.00	153	1.082	7,072.33	468	3.310
LUG SUSP ACFT ORD MK3-0		-	-	-	54.32	1,684	0.091	60.45	2,354	0.142	66.00	630	0.042	67.00	306	0.021	66.33	936	0.062
CXM-AF7		-	-	-	13.80	568,288	7.842	20.67	795,328	16.439	20.00	216,720	4.334	21.00	105,264	2.211	20.33	321,984	6.545
PALLET MK79-1		-	-	-	862.00	422	0.364	851.29	590	0.502	795.00	160	0.127	795.00	78	0.062	795.00	238	0.189
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	17.204	-	-	28.699	-	-	8.351	-	-	4.162	-	-	12.513
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>		-	-	-	-	-	17.204	-	-	28.699	-	-	8.351	-	-	4.162	-	-	12.513
Support - Support Cost Element Category Cost																			
PRODUCTION ENGINEERING		-	-	-	-	-	0.071	-	-	0.032	-	-	0.028	-	-	0.009	-	-	0.037
QUALITY ASSURANCE		-	-	-	-	-	0.010	-	-	0.006	-	-	0.007	-	-	-	-	-	0.007
FIRST ARTICLE TEST		-	-	-	-	-	0.037	-	-	-	-	-	0.027	-	-	-	-	-	0.027
<i>Subtotal: Support - Support Cost Element Category Cost</i>		-	-	-	-	-	0.118	-	-	0.038	-	-	0.062	-	-	0.009	-	-	0.071
Gross/Weapon System Cost		-	-	-	20,970.94	826	17.322	24,859.00	1,156	28.737	26,707.94	315	8.413	27,261.44	153	4.171	26,888.89	468	12.584
Remarks:																			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED09) BLU-117, 2000LB GP BOMB
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>This cost analysis represents the Single Manager for Conventional Ammunition (SMCA) efforts to obtain hardware, containers, pallets, straps, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack (LAP) the Air Force order.</p> <p>The load, assemble, pack (LAP) quantity is the number of completed rounds to be delivered into the AF inventory. The ammunition production plant provides the LAP price to SMCA, which includes cost to receive bomb bodies and for miscellaneous explosives, fillers and packing materials used to produce an inventory-worthy round.</p> <p>Bomb Body price, provided by the manufacturer to SMCA, is the unit price of an empty bomb body/casing. Developing the cost for a completed round, SMCA applies a Production Loss Factor (PLF) to estimate an additional quantity of bomb bodies/casings to mitigate risks during production of complete rounds. Risks may include defective bomb body or need to replace the body after filled with a nonconforming batch of explosives.</p> <p>Primary cost drivers include the total military customer orders (increases/decreases), complex or scarce materials, economic price adjustments, currency rate fluctuations.</p>		

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13		P-1 Line Item Number / Title: 353020 / General Purpose Bombs
		Item Number / Title [DODIC]: - / (ED15) BLU-111A/B 500LB GP BOMB

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (Units in Each)	-	4,445	4,481	1,245	648	1,893
Gross/Weapon System Cost (\$ in Millions)	-	22.329	28.263	8.158	4.171	12.329
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	22.329	28.263	8.158	4.171	12.329
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	22.329	28.263	8.158	4.171	12.329

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	5,023.40	6,307.30	6,552.61	6,436.73	6,512.94

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP)	-	-	-	1,273.86	4,445	5.662	1,426.87	4,481	6.394	1,457.84	1,245	1.815	1,457.96	648	0.945	1,457.88	1,893	2.760
BOMB BODY 500 LB MK82 MOD 6 IM	-	-	-	2,159.40	4,533	9.789	2,159.40	4,570	9.868	2,427.54	1,245	3.022	2,427.71	648	1.573	2,427.60	1,893	4.595
LUG SUSP ACFT ORD MS3314	-	-	-	24.10	9,069	0.219	24.58	9,051	0.222	27.17	2,490	0.068	27.29	1,296	0.035	27.21	3,786	0.103
CXM-7	-	-	-	11.13	577,850	6.431	18.37	627,340	11.524	18.97	161,850	3.070	18.97	84,240	1.598	18.97	246,090	4.668
PALLET INSPECTION, MHU-122E	-	-	-	135.15	756	0.102	160.38	761	0.122	178.89	211	0.038	178.90	110	0.020	178.89	321	0.057
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	22.203	-	-	28.131	-	-	8.013	-	-	4.171	-	-	12.184
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	22.203	-	-	28.131	-	-	8.013	-	-	4.171	-	-	12.184
Support - Support Cost Element Category Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.116	-	-	0.127	-	-	0.114	-	-	-	-	-	0.114
QUALITY ASSURANCE	-	-	-	-	-	0.010	-	-	0.005	-	-	0.010	-	-	-	-	-	0.010
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	-	-	-	0.021	-	-	-	-	-	0.021
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.126	-	-	0.132	-	-	0.145	-	-	-	-	-	0.145
Gross/Weapon System Cost	-	-	-	5,023.40	4,445	22.329	6,307.30	4,481	28.263	6,552.61	1,245	8.158	6,436.73	648	4.171	6,512.94	1,893	12.329

Remarks:

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED15) BLU-111A/B 500LB GP BOMB
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
<p>This cost analysis represents the Single Manager for Conventional Ammunition (SMCA) efforts to obtain hardware, containers, pallets, straps, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack (LAP) the Air Force order.</p> <p>The load, assemble, pack (LAP) quantity is the number of completed rounds to be delivered into the AF inventory. The ammunition production plant provides the LAP price to SMCA, which includes cost to receive bomb bodies and for miscellaneous explosives, fillers and packing materials used to produce an inventory-worthy round.</p> <p>Bomb Body price, provided by the manufacturer to SMCA, is the unit price of an empty bomb body/casing. Developing the cost for a completed round, SMCA applies a Production Loss Factor (PLF) to estimate an additional quantity of bomb bodies/casings to mitigate risks during production of complete rounds. Risks may include defective bomb body or need to replace the body after filled with a nonconforming batch of explosives.</p> <p>Primary cost drivers include the total military customer orders (increases/decreases), complex or scarce materials, economic price adjustments, currency rate fluctuations.</p>		

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force															Date: June 2014																																																																																																																																																																																																																																																																																																																		
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13							P-1 Line Item Number / Title: 353020 / General Purpose Bombs							Item Number / Title [DODIC]: - / (ED49) BLU-109 2000 LB HARD TARGET BOMB																																																																																																																																																																																																																																																																																																																			
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Procurement Quantity (<i>Units in Each</i>)					-		2,099			2,399			1,827			500		2,327																																																																																																																																																																																																																																																																																																															
Gross/Weapon System Cost (<i>\$ in Millions</i>)					-		58.384			83.838			62.278			17.000		79.278																																																																																																																																																																																																																																																																																																															
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<table border="1"> <thead> <tr> <th rowspan="2">Cost Elements</th> <th colspan="3">Prior Years</th> <th colspan="3">FY 2013</th> <th colspan="3">FY 2014</th> <th colspan="3">FY 2015 Base</th> <th colspan="3">FY 2015 OCO</th> <th colspan="3">FY 2015 Total</th> </tr> <tr> <th>Unit Cost (\$)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> </tr> </thead> <tbody> <tr> <td colspan="19">Hardware - Hardware Cost Element Category Cost</td> </tr> <tr> <td colspan="19">Recurring Cost</td> </tr> <tr> <td>LOAD, ASSEMBLE, PACK</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">9,296.00</td> <td align="right">2,099</td> <td align="right">19.512</td> <td align="right">10,743.00</td> <td align="right">2,399</td> <td align="right">25.772</td> <td align="right">10,838.00</td> <td align="right">1,827</td> <td align="right">19.801</td> <td align="right">10,838.00</td> <td align="right">500</td> <td align="right">5.419</td> <td align="right">10,838.00</td> <td align="right">2,327</td> <td align="right">25.220</td> </tr> <tr> <td>BOMB BODY, 2000LB BLU-109/B</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">15,757.00</td> <td align="right">2,309</td> <td align="right">36.383</td> <td align="right">16,982.05</td> <td align="right">2,638</td> <td align="right">44.799</td> <td align="right">18,057.00</td> <td align="right">1,827</td> <td align="right">32.990</td> <td align="right">18,057.00</td> <td align="right">500</td> <td align="right">9.029</td> <td align="right">18,057.00</td> <td align="right">2,327</td> <td align="right">42.019</td> </tr> <tr> <td>CONTAINER, CNU-417/E</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">2,054.00</td> <td align="right">1,154</td> <td align="right">2.370</td> <td align="right">2,213.00</td> <td align="right">1,319</td> <td align="right">2.919</td> <td align="right">2,352.00</td> <td align="right">913</td> <td align="right">2.147</td> <td align="right">2,352.60</td> <td align="right">250</td> <td align="right">0.588</td> <td align="right">2,352.13</td> <td align="right">1,163</td> <td align="right">2.736</td> </tr> <tr> <td>CXM-AF-5</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">22.57</td> <td align="right">448,613</td> <td align="right">10.125</td> <td align="right">23.00</td> <td align="right">310,590</td> <td align="right">7.144</td> <td align="right">23.11</td> <td align="right">85,000</td> <td align="right">1.964</td> <td align="right">23.02</td> <td align="right">395,590</td> <td align="right">9.108</td> </tr> <tr> <td><i>Subtotal: Recurring Cost</i></td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">58.266</td> <td align="center">-</td> <td align="center">-</td> <td align="right">83.615</td> <td align="center">-</td> <td align="center">-</td> <td align="right">62.082</td> <td align="center">-</td> <td align="center">-</td> <td align="right">17.000</td> <td align="center">-</td> <td align="center">-</td> <td align="right">79.082</td> </tr> <tr> <td><i>Subtotal: Hardware - Hardware Cost Element Category Cost</i></td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">58.266</td> <td align="center">-</td> <td align="center">-</td> <td align="right">83.615</td> <td align="center">-</td> <td align="center">-</td> <td align="right">62.082</td> <td align="center">-</td> <td align="center">-</td> <td align="right">17.000</td> <td align="center">-</td> <td align="center">-</td> <td align="right">79.082</td> </tr> <tr> <td colspan="19">Support - Support Cost Element Category Cost</td> </tr> <tr> <td>PRODUCTION ENGINEERING</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.072</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.184</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.144</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.144</td> </tr> <tr> <td>QUALITY ASSURANCE</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.009</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.005</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.012</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.012</td> </tr> <tr> <td>FIRST ARTICLE TEST</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.037</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.034</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.040</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.040</td> </tr> <tr> <td><i>Subtotal: Support - Support Cost Element Category Cost</i></td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.118</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.223</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.196</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">0.196</td> </tr> <tr> <td>Gross/Weapon System Cost</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> <td align="right">27,815.15</td> <td align="right">2,099</td> <td align="right">58.384</td> <td align="right">34,947.06</td> <td align="right">2,399</td> <td align="right">83.838</td> <td align="right">34,087.58</td> <td align="right">1,827</td> <td align="right">62.278</td> <td align="right">34,000.00</td> <td align="right">500</td> <td align="right">17.000</td> <td align="right">34,068.76</td> <td align="right">2,327</td> <td align="right">79.278</td> </tr> </tbody> </table>																			Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Hardware - Hardware Cost Element Category Cost																			Recurring Cost																			LOAD, ASSEMBLE, PACK	-	-	-	9,296.00	2,099	19.512	10,743.00	2,399	25.772	10,838.00	1,827	19.801	10,838.00	500	5.419	10,838.00	2,327	25.220	BOMB BODY, 2000LB BLU-109/B	-	-	-	15,757.00	2,309	36.383	16,982.05	2,638	44.799	18,057.00	1,827	32.990	18,057.00	500	9.029	18,057.00	2,327	42.019	CONTAINER, CNU-417/E	-	-	-	2,054.00	1,154	2.370	2,213.00	1,319	2.919	2,352.00	913	2.147	2,352.60	250	0.588	2,352.13	1,163	2.736	CXM-AF-5	-	-	-	-	-	-	22.57	448,613	10.125	23.00	310,590	7.144	23.11	85,000	1.964	23.02	395,590	9.108	<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	58.266	-	-	83.615	-	-	62.082	-	-	17.000	-	-	79.082	<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	58.266	-	-	83.615	-	-	62.082	-	-	17.000	-	-	79.082	Support - Support Cost Element Category Cost																			PRODUCTION ENGINEERING	-	-	-	-	-	0.072	-	-	0.184	-	-	0.144	-	-	-	-	-	0.144	QUALITY ASSURANCE	-	-	-	-	-	0.009	-	-	0.005	-	-	0.012	-	-	-	-	-	0.012	FIRST ARTICLE TEST	-	-	-	-	-	0.037	-	-	0.034	-	-	0.040	-	-	-	-	-	0.040	<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.118	-	-	0.223	-	-	0.196	-	-	-	-	-	0.196	Gross/Weapon System Cost	-	-	-	27,815.15	2,099	58.384	34,947.06	2,399	83.838	34,087.58	1,827	62.278	34,000.00	500	17.000	34,068.76	2,327	79.278
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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353020 / General Purpose Bombs	Item Number / Title [DODIC]: - / (ED49) BLU-109 2000 LB HARD TARGET BOMB
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
<p>This cost analysis represents the Single Manager for Conventional Ammunition (SMCA) efforts to obtain hardware, containers, pallets, straps, explosive material, lugs, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack (LAP) the Air Force order.</p> <p>The load, assemble, pack (LAP) quantity is the number of completed rounds to be delivered into the AF inventory. The ammunition production plant provides the LAP price to SMCA, which includes cost to receive bomb bodies and for miscellaneous explosives, fillers and packing materials used to produce an inventory-worthy round.</p> <p>Bomb Body price, provided by the manufacturer to SMCA, is the unit price of an empty bomb body/casing. Developing the cost for a completed round, SMCA applies a Production Loss Factor (PLF) to estimate an additional quantity of bomb bodies/casings to mitigate risks during production of complete rounds. Risks may include defective bomb body or need to replace the body after filled with a nonconforming batch of explosives.</p> <p>Primary cost drivers include the total military customer orders (increases/decreases), complex or scarce materials, economic price adjustments, currency rate fluctuations.</p>		

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs	P-1 Line Item Number / Title: 353620 / JOINT DIRECT ATTACK MUNITION
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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Line Item MDAP/MAIS Code: 503	Item MDAP/MAIS Code(s):
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	158,104	4,678	10,415	2,973	3,106	6,079	10,635	10,821	4,840	12,089	-	217,661
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,659.226	144.610	250.469	101.400	90.330	191.730	295.444	308.867	160.059	363.083	-	5,373.488
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	3,659.226	144.610	250.469	101.400	90.330	191.730	295.444	308.867	160.059	363.083	-	5,373.488
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3,659.226	144.610	250.469	101.400	90.330	191.730	295.444	308.867	160.059	363.083	-	5,373.488

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	0.021	0.025	0.028	0.029	-	0.030	0.031	0.033	0.034	0.036	-	0.023
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	0.023	0.031	0.024	0.034	0.029	0.032	0.028	0.029	0.033	0.030	-	0.025

Description:

FY2013 funding totals include \$53.923M appropriated for Overseas Contingency Operations.
FY2014 funding totals include \$84.459M requested for Overseas Contingency Operations.

The Joint Direct Attack Munition (JDAM) program is a joint Air Force/Navy program with the Air Force as the lead service. Designated ACAT 1C, this program upgrades the existing inventory of general purpose bombs (MK-82, MK-83, MK-84 and BLU-109) by integrating the bombs with a field installed guidance kit using a global positioning system aided inertial navigation system (GPS/INS). JDAM provides an accurate, adverse weather capability. JDAM is integrated with the B-52H, B-2A, B-1B, F-16 (all variants), F/A-18A+/C/D/E/F, F-15E, AV-8B, A-10C and F-22A aircraft. Integration with the MQ-9 and F-35 are in progress.

Funding for this exhibit contained in PE 0207583F.

Exhibits Schedule		Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Item - JOINT DIRECT ATTACK MUNITION	P-5, P-5a, P-21		0.023	158,104	3,659.226	0.031	4,678	144.610	0.024	10,415	250.469	0.034	2,973	101.400	0.029	3,106	90.330	0.032	6,079	191.730
Total Gross/Weapon System Cost			0.023	158,104	3,659.226	0.031	4,678	144.610	0.024	10,415	250.469	0.034	2,973	101.400	0.029	3,106	90.330	0.032	6,079	191.730

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 13: Bombs	P-1 Line Item Number / Title: 353620 / JOINT DIRECT ATTACK MUNITION
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ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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Line Item MDAP/MAIS Code: 503	Item MDAP/MAIS Code(s):
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Exhibits Schedule		FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits	ID CD	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Item - JOINT DIRECT ATTACK MUNITION	P-5, P-5a, P-21		0.028	10,635	295.444	0.029	10,821	308.867	0.033	4,840	160.059	0.030	12,089	363.083	-	-	-	0.025	217,661	5,373.488
Total Gross/Weapon System Cost			0.028	10,635	295.444	0.029	10,821	308.867	0.033	4,840	160.059	0.030	12,089	363.083	-	-	-	0.025	217,661	5,373.488

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

The annual hardware purchase includes a mixture of JDAM guidance kits for the MK-82, MK-83, MK-84, and BLU-109, as well as precision laser guidance sensors for the MK-82 and MK-84.

The JDAM production contract will be renegotiated prior to the FY14 contract award which could impact unit prices for FY14 thru FY18.

FY2015 Overseas Contingency Operations request for \$90.330 is to replace JDAM Guidance Kits expended during FY2012 and FY2013. Procurement/Replenishment is required to maintain readiness objectives and worldwide war reserve materiel (WRM) stockpiles to support requirements for use with 500LB, 2000LB and 2000LB general purpose bomb bodies as determined by the non-nuclear consumables annual analysis (NCAA), to execute DoD approved combat plans and training requirements.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force										Date: June 2014			
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13					P-1 Line Item Number / Title: 353620 / JOINT DIRECT ATTACK MUNITION					Item Number / Title [DODIC]: - / JOINT DIRECT ATTACK MUNITION			

ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	158,104	4,678	10,415	2,973	3,106	6,079	10,635	10,821	4,840	12,089	-	217,661
Gross/Weapon System Cost (\$ in Millions)	3,659.226	144.610	250.469	101.400	90.330	191.730	295.444	308.867	160.059	363.083	-	5,373.488
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	3,659.226	144.610	250.469	101.400	90.330	191.730	295.444	308.867	160.059	363.083	-	5,373.488
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	3,659.226	144.610	250.469	101.400	90.330	191.730	295.444	308.867	160.059	363.083	-	5,373.488

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	0.023	0.031	0.024	0.034	0.029	0.032	0.028	0.029	0.033	0.030	-	0.025

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)

Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
JDAM TAIL KIT ^(t)	0.021	158,104	3,380.416	0.024	4,678	111.259	0.018	10,415	191.290	0.028	2,973	84.300	0.028	3,226	90.330	0.028	6,199	174.630
LASER SENSOR ^(t)	-	-	31.657	0.015	1,500	22.430	0.014	3,500	47.600	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	3,412.073	-	-	133.689	-	-	238.890	-	-	84.300	-	-	90.330	-	-	174.630
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	3,412.073	-	-	133.689	-	-	238.890	-	-	84.300	-	-	90.330	-	-	174.630

Logistics - Logistics Cost Element Category Cost																		
Recurring Cost																		
TECHNICAL DATA	-	-	0.060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	0.060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Logistics - Logistics Cost Element Category Cost</i>	-	-	0.060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ancillary Equipment - Ancillary Equipment Cost Element Category Cost																		
Recurring Cost																		
TEST EQUIPMENT (CMBRE)	-	-	7.735	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AIRBORNE TEST EQUIPMENT ^(t)	-	-	56.600	0.035	100	3.500	-	-	-	0.037	150	5.576	-	-	-	0.037	150	5.576
<i>Subtotal: Recurring Cost</i>	-	-	64.335	-	-	3.500	-	-	-	-	-	5.576	-	-	-	-	-	5.576
<i>Subtotal: Ancillary Equipment -</i>	-	-	64.335	-	-	3.500	-	-	-	-	-	5.576	-	-	-	-	-	5.576

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force												Date: June 2014					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13						P-1 Line Item Number / Title: 353620 / JOINT DIRECT ATTACK MUNITION						Item Number / Title [DODIC]: - / JOINT DIRECT ATTACK MUNITION					

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:							
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Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Ancillary/Equipment Cost Element Category Cost</i>																		
<i>Support - Support Cost Element Category Cost</i>																		
PMA - GOVERNMENT COSTS	-	-	36.792	-	-	1.510	-	-	1.492	-	-	1.657	-	-	-	-	-	1.657
ALTERNATE DISPUTE RESOLUTION	-	-	0.940	-	-	0.050	-	-	0.054	-	-	0.055	-	-	-	-	-	0.055
SYSTEM TEST & EVALUATION	-	-	0.222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAINING	-	-	4.533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRODUCTION SUSTAINING ENGINEERING	-	-	101.836	-	-	4.689	-	-	7.955	-	-	8.971	-	-	-	-	-	8.971
CONTRACTOR INCENTIVE	-	-	34.725	-	-	1.172	-	-	2.078	-	-	0.841	-	-	-	-	-	0.841
DELIVERY ACCELERATION	-	-	2.753	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEEK EAGLE	-	-	0.957	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	182.758	-	-	7.421	-	-	11.579	-	-	11.524	-	-	-	-	-	11.524
Gross/Weapon System Cost	0.023	158,104	3,659.226	0.031	4,678	144.610	0.024	10,415	250.469	0.034	2,973	101.400	0.029	3,106	90.330	0.032	6,079	191.730

Cost Elements	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Hardware - Hardware Cost Element Category Cost</i>																		
<i>Recurring Cost</i>																		
JDAM TAIL KIT ^(t)	0.025	10,635	269.870	0.026	10,821	283.499	0.028	4,840	135.400	0.028	12,089	336.648	-	-	-	0.022	217,781	4,883.012
LASER SENSOR ^(t)	0.015	500	7.626	0.016	500	7.778	0.016	500	7.934	0.016	500	8.092	-	-	-	0.019	7,000	133.117
<i>Subtotal: Recurring Cost</i>	-	-	277.496	-	-	291.277	-	-	143.334	-	-	344.740	-	-	-	-	-	5,016.129
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	277.496	-	-	291.277	-	-	143.334	-	-	344.740	-	-	-	-	-	5,016.129
<i>Logistics - Logistics Cost Element Category Cost</i>																		
<i>Recurring Cost</i>																		
TECHNICAL DATA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.060
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.060

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13 **P-1 Line Item Number / Title:** 353620 / JOINT DIRECT ATTACK MUNITION **Item Number / Title [DODIC]:** - / JOINT DIRECT ATTACK MUNITION

ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Cost Elements	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Logistics - Logistics Cost Element Category Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.060
<i>Ancillary Equipment - AncillaryEquipment Cost Element Category Cost</i>																		
<i>Recurring Cost</i>																		
TEST EQUIPMENT (CMBRE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.735
AIRBORNE TEST EQUIPMENT ^(†)	0.038	150	5.682	0.039	130	5.018	0.039	112	4.406	0.040	112	4.489	-	-	-	0.113	754	85.271
<i>Subtotal: Recurring Cost</i>	-	-	5.682	-	-	5.018	-	-	4.406	-	-	4.489	-	-	-	-	-	93.006
<i>Subtotal: Ancillary Equipment - AncillaryEquipment Cost Element Category Cost</i>	-	-	5.682	-	-	5.018	-	-	4.406	-	-	4.489	-	-	-	-	-	93.006
<i>Support - Support Cost Element Category Cost</i>																		
PMA - GOVERNMENT COSTS	-	-	1.694	-	-	1.730	-	-	1.766	-	-	1.799	-	-	-	-	-	48.440
ALTERNATE DISPUTE RESOLUTION	-	-	0.056	-	-	0.057	-	-	0.058	-	-	0.059	-	-	-	-	-	1.329
SYSTEM TEST & EVALUATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.222
TRAINING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.533
PRODUCTION SUSTAINING ENGINEERING	-	-	9.358	-	-	9.524	-	-	9.583	-	-	10.734	-	-	-	-	-	162.650
CONTRACTOR INCENTIVE	-	-	1.158	-	-	1.261	-	-	0.912	-	-	1.262	-	-	-	-	-	43.409
DELIVERY ACCELERATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.753
SEEK EAGLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.957
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	12.266	-	-	12.572	-	-	12.319	-	-	13.854	-	-	-	-	-	264.293
Gross/Weapon System Cost	0.028	10,635	295.444	0.029	10,821	308.867	0.033	4,840	160.059	0.030	12,089	363.083	-	-	-	0.025	217,661	5,373.488

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB Amended 2015 Air Force							Date: June 2014				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13			P-1 Line Item Number / Title: 353620 / JOINT DIRECT ATTACK MUNITION				Item Number / Title [DODIC]: - / JOINT DIRECT ATTACK MUNITION				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
JDAM TAIL KIT ^(†)		2013	BOEING / ST CHARLES, MO	SS / FFP	AFMC/AAC	Dec 2012	Apr 2014	4,678	0.024	Y		Apr 2007
JDAM TAIL KIT ^(†)		2014	BOEING / ST CHARLES, MO	SS / FFP	AFLCMC Hill AFB	Jul 2014	Jul 2015	10,415	0.018	Y		Oct 2013
JDAM TAIL KIT ^(†)		2015	BOEING / ST CHARLES, MO	SS / FFP	AFLCMC Hill AFB	Feb 2015	Feb 2016	2,973	0.028	Y		Oct 2013
JDAM TAIL KIT ^(†)	✓	2015	BOEING / ST CHARLES, MO	SS / FFP	AFLCMC Hill AFB	Feb 2015	Feb 2016	3,226	0.028	Y		Oct 2014
JDAM TAIL KIT ^(†)		2016	BOEING / ST CHARLES, MO	SS / FFP	AFLCMC Hill AFB	Feb 2016	Feb 2017	10,635	0.025	Y		Oct 2013
JDAM TAIL KIT ^(†)		2017	BOEING / ST CHARLES, MO	SS / FFP	AFLCMC Hill AFB	Feb 2017	Feb 2018	10,821	0.026	Y		Oct 2013
JDAM TAIL KIT ^(†)		2018	BOEING / ST CHARLES, MO	SS / FFP	AFLCMC Hill AFB	Feb 2018	Feb 2019	4,840	0.028	Y		Oct 2013
JDAM TAIL KIT ^(†)		2019	BOEING / ST CHARLES, MO	SS / FPIF	AFLCMC Hill AFB	Feb 2019	Feb 2020	12,089	0.028	Y		Jul 2018
LASER SENSOR		2013	BOEING / ST CHARLES, MO	SS / FFP	NAVAIR	Feb 2013	Aug 2014	1,500	0.015	Y		May 2012
LASER SENSOR		2014	BOEING / ST CHARLES, MO	SS / FFP	NAVAIR	Feb 2014	Aug 2015	3,500	0.014	Y		May 2012
LASER SENSOR		2016	BOEING / ST CHARLES, MO	SS / FFP	NAVAIR	Feb 2016	Aug 2017	500	0.015	Y		May 2015
LASER SENSOR		2017	BOEING / ST CHARLES, MO	SS / FFP	NAVAIR	Feb 2017	Aug 2018	500	0.016	Y		May 2015
LASER SENSOR		2018	BOEING / ST CHARLES, MO	SS / FFP	NAVAIR	Feb 2018	Aug 2019	500	0.016	Y		May 2015
LASER SENSOR		2019	BOEING / ST CHARLES, MO	SS / FFP	NAVAIR	Feb 2019	Aug 2020	500	0.016	Y		May 2015
AIRBORNE TEST EQUIPMENT		2013	BOEING / ST CHARLES, MO	SS / FFP	AFMC/AAC	May 2013	Jul 2014	100	0.035	Y		Jan 2013
AIRBORNE TEST EQUIPMENT		2015	BOEING / ST CHARLES, MO	SS / FFP	AFMC/AAC	May 2015	Jul 2016	150	0.037	Y		Jan 2015
AIRBORNE TEST EQUIPMENT		2016	BOEING / ST CHARLES, MO	SS / FFP	AFMC/AAC	May 2016	Jul 2017	150	0.038	Y		Jan 2016
AIRBORNE TEST EQUIPMENT		2017	BOEING / ST CHARLES, MO	SS / FFP	AFMC/AAC	May 2017	Jul 2018	130	0.039	Y		Jan 2017
AIRBORNE TEST EQUIPMENT		2018	BOEING / ST CHARLES, MO	SS / FFP	AFMC/AAC	May 2018	Jul 2019	112	0.039	Y		Jan 2018
AIRBORNE TEST EQUIPMENT		2019	BOEING / ST CHARLES, MO	SS / FFP	AFMC/AAC	May 2019	Jul 2020	112	0.040	Y		Jan 2019

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB Amended 2015 Air Force																				Date: June 2014					
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13										P-1 Line Item Number / Title: 353620 / JOINT DIRECT ATTACK MUNITION										Item Number / Title [DODIC]: - / JOINT DIRECT ATTACK MUNITION					

Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2013												Fiscal Year 2014													
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013												Calendar Year 2014												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
JDAM TAIL KIT																															
Prior Years Deliveries: 158104																															
	1	2013	AF	4.678	-	4.678																									
	1	2014	AF	10.415	-	10.415																									
	1	2015	AF	2.973	-	2.973																									
✓	1	2015	AF	3.226	-	3.226																									
	1	2016	AF	10.635	-	10.635																									
	1	2017	AF	10.821	-	10.821																									
	1	2018	AF	4.840	-	4.840																									
	1	2019	AF	12.089	-	12.089																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13 **P-1 Line Item Number / Title:** 353620 / JOINT DIRECT ATTACK MUNITION **Item Number / Title [DODIC]:** - / JOINT DIRECT ATTACK MUNITION

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2015													Fiscal Year 2016														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
JDAM TAIL KIT																																
Prior Years Deliveries: 158104																																
	1	2013	AF	4.678	2.340	2.338	.390	.390	.390	.390	.390	.388																			-	
	1	2014	AF	10.415	-	10.415	-	-	-	-	-	-	-	-	.868	.868	.868	.868	.868	.868	.868	.868	.868	.868	.868	.868	.868	.868	.867		-	
	1	2015	AF	2.973	-	2.973																.248	.248	.248	.248	.248	.248	.248	.248	.248	.989	
✓	1	2015	AF	3.226	-	3.226																.269	.269	.269	.269	.269	.269	.269	.269	1.074		
	1	2016	AF	10.635	-	10.635																								10.635		
	1	2017	AF	10.821	-	10.821																								10.821		
	1	2018	AF	4.840	-	4.840																								4.840		
	1	2019	AF	12.089	-	12.089																								12.089		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13 **P-1 Line Item Number / Title:** 353620 / JOINT DIRECT ATTACK MUNITION **Item Number / Title [DODIC]:** - / JOINT DIRECT ATTACK MUNITION

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2017													Fiscal Year 2018													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017													Calendar Year 2018											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

JDAM TAIL KIT

Prior Years Deliveries: 158104																												
1	2013	AF	4.678	4.678	-																							-
1	2014	AF	10.415	10.415	-																							-
1	2015	AF	2.973	1.984	.989	.248	.248	.248	.245																			-
✓ 1	2015	AF	3.226	2.152	1.074	.269	.269	.268	.268																			-
1	2016	AF	10.635	-	10.635	-	-	-	-	.887	.887	.887	.887	.887	.887	.887	.887	.887	.887	.878								-
1	2017	AF	10.821	-	10.821					-	-	-	-	-	-	-	-	-	-	-	.902	.902	.902	.902	.902	.902	.902	3.605
1	2018	AF	4.840	-	4.840																-	-	-	-	-	-	-	4.840
1	2019	AF	12.089	-	12.089																							12.089

O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
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Exhibit P-21, Production Schedule: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353620 / JOINT DIRECT ATTACK MUNITION	Item Number / Title [DODIC]: - / JOINT DIRECT ATTACK MUNITION
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Cost Elements <i>(Units in Thousands)</i>						Fiscal Year 2019												Fiscal Year 2020													
O C C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019												Calendar Year 2020												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
JDAM TAIL KIT																															
Prior Years Deliveries: 158104																															
1		2013	AF	4.678	4.678	-																									
1		2014	AF	10.415	10.415	-																									
1		2015	AF	2.973	2.973	-																									
✓ 1		2015	AF	3.226	3.226	-																									
1		2016	AF	10.635	10.635	-																									
1		2017	AF	10.821	7.216	3.605	.902	.902	.902	.899																					
1		2018	AF	4.840	-	4.840	-	-	-	-	.404	.404	.404	.404	.404	.404	.404	.404	.404	.404	.396										
1		2019	AF	12.089	-	12.089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.008	1.008	1.008	1.008	1.008	1.008	1.008	1.008	4.025		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13	P-1 Line Item Number / Title: 353620 / JOINT DIRECT ATTACK MUNITION	Item Number / Title [DODIC]: - / JOINT DIRECT ATTACK MUNITION

Cost Elements <i>(Units in Thousands)</i>					Fiscal Year 2021													Fiscal Year 2022													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
JDAM TAIL KIT																															
Prior Years Deliveries: 158104																															
	1	2013	AF	4.678	4.678	-																									
	1	2014	AF	10.415	10.415	-																									
	1	2015	AF	2.973	2.973	-																									
	✓ 1	2015	AF	3.226	3.226	-																									
	1	2016	AF	10.635	10.635	-																									
	1	2017	AF	10.821	10.821	-																									
	1	2018	AF	4.840	4.840	-																									
	1	2019	AF	12.089	8.064	4.025	1.008	1.008	1.008	1.001																					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 13		P-1 Line Item Number / Title: 353620 / JOINT DIRECT ATTACK MUNITION
		Item Number / Title [DODIC]: - / JOINT DIRECT ATTACK MUNITION

MFR Ref #	MFR Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2015	1-8-5 For 2015	MAX For 2015	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	
1	BOEING - ST CHARLES, MO	3.250	15.840	16.800	-	-	-	-	-	-	4	16	20

The first non-gray cell in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares **P-1 Line Item Number / Title:** 356010 / Flares

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

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	56.433	61.839	86.101	18.916	105.017	123.835	127.755	115.927	118.229	-	709.035
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	56.433	61.839	86.101	18.916	105.017	123.835	127.755	115.927	118.229	-	709.035
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	56.433	61.839	86.101	18.916	105.017	123.835	127.755	115.927	118.229	-	709.035

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY2013 funding includes \$11.726M appropriated for Overseas Contingency Operations.

FY2014 funding includes \$14.973M requested for Overseas Contingency Operations.

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

- (L410) M206 Flare is an infrared countermeasures flare used by A-10, F-16, C-17, and AC-130 aircraft against heat seeking missiles. This item is procured through the Single Manager for Conventional Ammunition (SMCA)/Army. FY2014 funding totals include \$3.072M requested for Overseas Contingency Operations.
- (L461) MJU-10 Flare is an infrared countermeasures flare used by A-10, F-15 and F-16 aircraft against heat seeking missiles. This item is procured through the Single Manager for Conventional Ammunition (SMCA)/Army. FY2014 funding totals include \$0.905M requested for Overseas Contingency Operations.
- (L463) MJU-7 IR Flare is an infrared countermeasures flare applicable to the F-15 and F-16 aircraft. It creates an infrared signature and acts as a decoy against heat seeking missiles. The flare pyrotechnic candle is ejected from the ALE-40 dispenser by a small explosive BBU-36 Impulse Cartridge contained in the flare case. This item is procured through the Single Manager for Conventional Ammunition (SMCA)/Army. FY2014 funding totals include \$0.286M requested for Overseas Contingency Operations.
- (LA43) MJU-64 is a hermetically sealed aluminum case purged with nitrogen containing a payload of stacked special material elements which react to air. When deployed into the air stream, the special material reacts to emit an infrared signal to decoy infrared seeking missiles. This flare is required to provide the C-130 and A-10 aircraft, HH-53 and HH-60 helicopters protection against advanced air-to-air and surface-to-air infrared weapon systems. This item is procured by Ogden ALC from the Navy. FY2014 funding totals include \$7.376M requested for Overseas Contingency Operations. No Budget Year 2015 funds requested.
- (LA61) MJU-66 Countermeasure Flare is an improved version of the MJU-64 providing increased decoy effectiveness and protection for the A-10, C-130 and F-35 aircraft and HH-53 and HH-60 helicopters against advanced air-to-air and surface-to-air infrared weapon systems. It is a one-piece aluminum case containing a payload of advanced special material elements, loaded into a multiple jettison unit magazine installed on a countermeasure dispenser. When deployed into the air stream, the special material reacts to emit an infrared signal to decoy infrared seeking missiles. FY2015 \$5.000 Overseas Contingency Operations funds requested.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares **P-1 Line Item Number / Title:** 356010 / Flares

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

- (LA67) MJU-71 IR Flare is a magnesium based thrust flare used in a cocktail mix of flares on aircraft to improve the dispense patterns and effectiveness of the countermeasures against heat-seeking missile threats. The 1x1x8 inch size provides better protection of the aircraft and flight crew. Other versions of thrust flares are larger and use more space in the flare dispensers, severely limiting the number of ejection events. Initially approved for use on the C-130, A-10 and F-16 aircraft with on-going tests for use on other platforms. This item is procured by Ogden ALC.

- Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000 and are Code A. FY2014 funding totals include \$3.334 requested for Overseas Contingency Operations.

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.

Funding for this exhibit contained in PEs: 0207224F, 0208030F and 0207599F.

Exhibits Schedule		Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - MJU-64 IR CM FLARE - LA43	P-40a	A	-	-	-	92.44	127,304	11.768	89.00	94,112	8.376	-	-	-	-	-	-	-	-	-
Item - (LA61) MJU-66 CM ACFT Flare	P-40a	A	-	-	-	75.00	98,520	7.389	-	-	-	75.59	74,282	5.615	75.59	66,146	5.000	75.59	140,428	10.615
Item - (LA67) FLARE, IR, CM (MJU-71/B)	P-40a	A	-	-	-	683.01	10,098	6.897	683.00	12,471	8.518	684.99	11,679	8.000	-	-	-	684.99	11,679	8.000
Item - (L554) MARKER, LOCATION MARINE MK25	P-40a	A	-	-	-	-	-	-	-	-	-	417.00	4,312	1.798	-	-	-	416.98	4,312	1.798
Item - (LA19) MJU-50 (4.2g) FLARE	P-40a	A	-	-	-	-	-	-	61.54	54,176	3.334	71.00	29,577	2.100	-	-	-	71.00	29,577	2.100
Item - (LA21) MJU-53 FLARE, IR COUNTERMEASURE	P-40a	A	-	-	-	75.00	43,827	3.287	-	-	-	76.59	27,419	2.100	76.59	181,695	13.916	76.59	209,114	16.016
Item - (LA36) MJU-62 FLARE, COUNTERMEASURE TH7	P-40a	A	-	-	-	-	-	-	-	-	-	202.17	10,387	2.100	-	-	-	202.18	10,387	2.100
Item - (LA68) MJU-68 INFRARED COUNTERMEASURE FLARE	P-40a	A	-	-	-	-	-	-	450.00	5,400	2.430	450.00	4,667	2.100	-	-	-	449.97	4,667	2.100
Item - (LA69) MJU-69 INFRARED COUNTERMEASURE FLARE	P-40a	A	-	-	-	-	-	-	450.00	5,400	2.430	450.00	4,667	2.100	-	-	-	449.97	4,667	2.100
Item - (LY12) ALA-17 INFRARED CM ACFT FLARE	P-40a	A	-	-	-	-	-	-	-	-	-	606.78	1,813	1.100	-	-	-	606.73	1,813	1.100
Item - COMBAT SEARCH AND RESCUE	P-40a	A	-	-	-	-	-	-	-	-	3.097	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 16: Flares **P-1 Line Item Number / Title:** 356010 / Flares

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

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - (L410) M206 FLARE	P-5		-	-	-	32.42	575,205	18.647	36.34	634,874	23.072	35.63	1,012,969	36.088	-	-	-	35.63	1,012,969	36.088
Item - (L461) MJU-10 FLARE	P-5		-	-	-	-	-	7.757	-	-	9.164	-	-	10.000	-	-	-	-	-	10.000
Item - (L463) MJU-7A/B, IR FLARE	P-5		-	-	-	50.57	13,606	0.688	53.60	26,455	1.418	59.93	216,919	13.000	-	-	-	59.93	216,919	13.000
Total Gross/Weapon System Cost			-	-	-	-	-	56.433	-	-	61.839	-	-	86.101	-	-	18.916	-	-	105.017

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY2015 purchases countermeasures and flares used by A-10, AC-130, F-16, C-17 aircraft, HH-53 and HH-60 helicopters to protect the warfighter against advanced air-to-air and ground-to-air infrared and heat seeking attack weapon systems and missiles.

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.

FY2015 Overseas Contingency Operations request for \$18.916 is to replace Infrared countermeasure Flares and Illumination Flares expended during FY2012 and FY2013. Procurement/Replenishment is required to maintain readiness objectives and worldwide war reserve materiel (WRM) stockpiles to support requirements for aircraft self protection flares and countermeasures as determined by the non-nuclear consumables annual analysis (NCAA), to execute DoD approved combat plans and training requirements.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16	P-1 Line Item Number / Title: 356010 / Flares	Aggregated Items Title: (LA43) MJU-64 IR CM FLARE
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TOTAL RECURRING HARDWARE COST																				
MJU-64 IR CM FLARE - LA43	A		-	-	-	92.44	127,304	11.768	89.00	94,112	8.376	-	-	-	-	-	-	-	-	-
<i>Subtotal: TOTAL RECURRING HARDWARE COST</i>			-	-	-	-	-	11.768	-	-	8.376	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	11.768	-	-	8.376	-	-	-	-	-	-	-	-	-

Remarks:

Air Force purchases MJU-64 Flare through the Navy. The Navy provides this cost analysis with estimates obtained from industry based on quantity range matrices and forecasted cost of materials.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16	P-1 Line Item Number / Title: 356010 / Flares	Aggregated Items Title: (LA61) MJU-66 CM ACFT FLARE
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
TOTAL RECURRING HARDWARE COST																				
(LA61) MJU-66 CM ACFT Flare	A		-	-	-	75.00	98,520	7.389	-	-	-	75.59	74,282	5.615	75.59	66,146	5.000	75.59	140,428	10.615
<i>Subtotal: TOTAL RECURRING HARDWARE COST</i>			-	-	-	-	-	7.389	-	-	-	-	-	5.615	-	-	5.000	-	-	10.615
Total			-	-	-	-	-	7.389	-	-	-	-	-	5.615	-	-	5.000	-	-	10.615

Remarks:

Air Force purchases MJU-66 through the Navy. The Navy provides this cost analysis with estimates obtained from industry based on quantity range matrices and forecasted cost of materials.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16	P-1 Line Item Number / Title: 356010 / Flares	Aggregated Items Title: (LA67) FLARE, IR, CM (MJU-71/B)
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SUBTOTAL RECURRING HARDWARE																				
(LA67) FLARE, IR, CM (MJU-71/B)	A		-	-	-	683.01	10,098	6.897	683.00	12,471	8.518	684.99	11,679	8.000	-	-	-	684.99	11,679	8.000
<i>Subtotal: SUBTOTAL RECURRING HARDWARE</i>			-	-	-	-	-	6.897	-	-	8.518	-	-	8.000	-	-	-	-	-	8.000
Total			-	-	-	-	-	6.897	-	-	8.518	-	-	8.000	-	-	-	-	-	8.000

Remarks:
Unit prices are estimates from industry.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16	P-1 Line Item Number / Title: 356010 / Flares	Aggregated Items Title: FLARES (ITEMS LESS THAN \$5 MILLION)
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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
(L554) MARKER, LOCATION MARINE MK25	A		-	-	-	-	-	-	-	-	-	417.00	4,312	1.798	-	-	-	416.98	4,312	1.798
(LA19) MJU-50 (4.2g) FLARE	A		-	-	-	-	-	61.54	54,176	3.334	71.00	29,577	2.100	-	-	-	71.00	29,577	2.100	-
(LA21) MJU-53 FLARE, IR COUNTERMEASURE	A		-	-	-	75.00	43,827	3.287	-	-	-	76.59	27,419	2.100	76.59	181,695	13.916	76.59	209,114	16.016
(LA36) MJU-62 FLARE, COUNTERMEASURE TH7	A		-	-	-	-	-	-	-	-	-	202.17	10,387	2.100	-	-	-	202.18	10,387	2.100
(LA68) MJU-68 INFRARED COUNTERMEASURE FLARE	A		-	-	-	-	-	450.00	5,400	2.430	450.00	4,667	2.100	-	-	-	449.97	4,667	2.100	-
(LA69) MJU-69 INFRARED COUNTERMEASURE FLARE	A		-	-	-	-	-	450.00	5,400	2.430	450.00	4,667	2.100	-	-	-	449.97	4,667	2.100	-
(LY12) ALA-17 INFRARED CM ACFT FLARE	A		-	-	-	-	-	-	-	-	606.78	1,813	1.100	-	-	-	606.73	1,813	1.100	-
COMBAT SEARCH AND RESCUE	A		-	-	-	-	-	-	-	3.097	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	3.287	-	-	11.291	-	-	13.398	-	-	13.916	-	-	27.314
Total			-	-	-	-	-	3.287	-	-	11.291	-	-	13.398	-	-	13.916	-	-	27.314

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16	P-1 Line Item Number / Title: 356010 / Flares	Item Number / Title [DODIC]: - / (L410) M206 FLARE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity <i>(Units in Each)</i>	-	575,205	634,874	1,012,969	-	1,012,969
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	18.647	23.072	36.088	-	36.088
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	-	18.647	23.072	36.088	-	36.088
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	18.647	23.072	36.088	-	36.088

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	32.42	36.34	35.63	-	35.63

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
M206 FLARE - L410	-	-	-	31.74	575,205	18.257	35.70	634,874	22.665	36.00	987,639	35.555	-	-	-	36.00	987,639	35.555
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	18.257	-	-	22.665	-	-	35.555	-	-	-	-	-	35.555
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	18.257	-	-	22.665	-	-	35.555	-	-	-	-	-	35.555
Support - Support Cost Element Category Cost																		
PRODUCTION ENGINEERING	-	-	-	-	-	0.382	-	-	0.396	-	-	0.526	-	-	-	-	-	0.526
QUALITY ASSURANCE	-	-	-	-	-	0.008	-	-	0.011	-	-	0.007	-	-	-	-	-	0.007
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.390	-	-	0.407	-	-	0.533	-	-	-	-	-	0.533
Gross/Weapon System Cost	-	-	-	32.42	575,205	18.647	36.34	634,874	23.072	35.63	1,012,969	36.088	-	-	-	35.63	1,012,969	36.088

Remarks:

The Single Manager for Conventional Ammunition (SMCA), Department of Army provides this cost analysis with estimates obtained from industry based on quantity range matrices and forecasted cost of materials.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16	P-1 Line Item Number / Title: 356010 / Flares	Item Number / Title [DODIC]: - / (L461) MJU-10 FLARE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	7.757	9.164	10.000	-	10.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	7.757	9.164	10.000	-	10.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	7.757	9.164	10.000	-	10.000

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
MJU-10 FLARE - L461	-	-	-	169.85	45,624	7.749	195.70	26,719	5.229	210.90	47,400	9.997	-	-	-	210.90	47,400	9.997
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	7.749	-	-	5.229	-	-	9.997	-	-	-	-	-	9.997
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	7.749	-	-	5.229	-	-	9.997	-	-	-	-	-	9.997
Support - Support Cost Element Category Cost																		
QUALITY ASSURANCE	-	-	-	-	-	0.008	-	-	3.935	-	-	0.003	-	-	-	-	-	0.003
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.008	-	-	3.935	-	-	0.003	-	-	-	-	-	0.003
Gross/Weapon System Cost	-	-	-	-	-	7.757	-	-	9.164	-	-	10.000	-	-	-	-	-	10.000

Remarks:

The Single Manager for Conventional Ammunition (SMCA), Department of Army provides this cost analysis with estimates obtained from industry based on quantity range matrices and forecasted cost of materials.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 16	P-1 Line Item Number / Title: 356010 / Flares	Item Number / Title [DODIC]: - / (L463) MJU-7A/B, IR FLARE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (<i>Units in Each</i>)	-	13,606	26,455	216,919	-	216,919
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.688	1.418	13.000	-	13.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	-	0.688	1.418	13.000	-	13.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.688	1.418	13.000	-	13.000

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	50.57	53.60	59.93	-	59.93

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
MJU-7A/B IR FLARE - L463	-	-	-	50.00	13,606	0.680	53.26	26,455	1.409	59.90	216,919	12.993	-	-	-	59.90	216,919	12.993
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	<i>0.680</i>	-	-	<i>1.409</i>	-	-	<i>12.993</i>	-	-	-	-	-	<i>12.993</i>
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	<i>0.680</i>	-	-	<i>1.409</i>	-	-	<i>12.993</i>	-	-	-	-	-	<i>12.993</i>
Support - Support Cost Element Category Cost																		
QUALITY ASSURANCE	-	-	-	-	-	0.008	-	-	0.009	-	-	0.007	-	-	-	-	-	0.007
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	<i>0.008</i>	-	-	<i>0.009</i>	-	-	<i>0.007</i>	-	-	-	-	-	<i>0.007</i>
Gross/Weapon System Cost	-	-	-	50.57	13,606	0.688	53.60	26,455	1.418	59.93	216,919	13.000	-	-	-	59.93	216,919	13.000

Remarks:

The Single Manager for Conventional Ammunition (SMCA), Department of Army provides this cost analysis with estimates obtained from industry based on quantity range matrices and forecasted cost of materials.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 18: Fuzes **P-1 Line Item Number / Title:** 356120 / Fuzes

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	44.909	79.896	103.417	17.778	121.195	215.142	216.786	155.006	199.655	-	1,032.589
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	44.909	79.896	103.417	17.778	121.195	215.142	216.786	155.006	199.655	-	1,032.589
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	44.909	79.896	103.417	17.778	121.195	215.142	216.786	155.006	199.655	-	1,032.589

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY2013 funding includes \$8.513M appropriated for Overseas Contingency Operations.

FY2014 funding includes \$3.859M 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 Joint AF/Navy multi-function unitary fuze developed and procured for the Joint Direct Attack Munition and other conventional inventory weapons. The Air Force is the lead service for procurement of the JPF. 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 will replace or supplement FMU-139, FMU-143, FMU-124, and M904/M905 fuzes, and provide 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. FY2014 funding requested includes \$3.859M for Overseas Contingency Operations.
- 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. FY2015 \$8.889 Overseas Contingency Operations funding requested.
- 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-143, 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 \$8.889 Overseas Contingency Operations funding requested.
- 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. 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.

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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 18: Fuzes **P-1 Line Item Number / Title:** 356120 / Fuzes

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

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.

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

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - DSU-33D/B PROXIMITY SENSOR - KY70	P-40a	A	-	-	-	1,910.65	4,759	9.093	1,793.57	3,609	6.473	2,802.03	4,637	12.993	2,802.33	3,172	8.889	2,802.15	7,809	21.882
Item - QUALITY ASSURANCE	P-40a	A	-	-	-	-	-	0.011	-	-	0.006	-	-	0.007	-	-	-	-	-	0.007
Item - FMU-152A/B FUZE CURRENT/FOLLOW-ON CONTRACT ⁽¹⁾	P-40a	A	-	-	-	3,999.84	6,221	24.883	4,561.04	10,001	45.615	4,400.79	10,322	45.425	-	-	-	4,400.79	10,322	45.425
Item - FMU-152/B D-2 (EB93)	P-40a	A	-	-	-	1,245.55	281	0.350	1,261.83	317	0.400	-	-	-	-	-	-	-	-	-
Item - RING KIT, FMU-143, JDAM (ED67)	P-40a	A	-	-	-	400.00	5,585	2.234	400.00	5,000	2.000	-	-	-	-	-	-	-	-	-
Item - (ED29) FMU-143S/B 60 MIL SEC FUZE	P-5		-	-	-	4,485.25	1,830	8.208	4,514.75	1,356	6.122	6,406.15	1,561	10.000	5,521.12	1,610	8.889	5,956.80	3,171	18.889
Item - HARD TARGET VOID SENSING FUZE (HTVSF)	P-5		-	-	-	-	-	0.130	-	-	19.280	-	-	34.992	-	-	-	-	-	34.992
Total Gross/Weapon System Cost			-	-	-	-	-	44.909	-	-	79.896	-	-	103.417	-	-	17.778	-	-	121.195

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

FY2015 purchases the Joint Programmable Fuze, FMU-143 and Hard Target Void Sensing Fuze systems for use with precision guided, penetrator and unguided bombs. The FMU-152A/B 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. The Hard Target Void Sensing Fuze (HTVSF) is an advanced system designed to enable 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 and multi-delay arming capabilities.

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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Exhibit P-40, Budget Line Item Justification: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F: Procurement of Ammunition, Air Force / BA 01: Ammunition / BSA 18: Fuzes		P-1 Line Item Number / Title: 356120 / Fuzes
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
FY2015 Overseas Contingency Operations request for \$17.778 is to replace bomb fuzes and height-of-burst proximity sensors expended during FY2012 and FY2013. Procurement/Replenishment is required to maintain readiness objectives and worldwide war reserve materiel (WRM) stockpiles to support requirements for general purpose and precision guided bomb configurations, and Joint Direct Attack Munitions (JDAM) as determined by the non-nuclear consumables annual analysis (NCAA), to execute DoD approved combat plans and training requirements.		
Footnotes: (1) The JPF Follow-On contract was awarded on 3 Sep 2013 with a total of 18,462 USG fuzes and 5,101 FMS fuzes, for a total of 23,563 fuzes.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force **Date:** June 2014

Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 18 **P-1 Line Item Number / Title:** 356120 / Fuzes **Aggregated Items Title:** (KY70) DSU-33D/B PROX SENSOR

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SUBTOTAL RECURRING HARDWARE COST																				
DSU-33D/B PROXIMITY SENSOR - KY70	A		-	-	-	1,910.65	4,759	9.093	1,793.57	3,609	6.473	2,802.03	4,637	12.993	2,802.33	3,172	8.889	2,802.15	7,809	21.882
<i>Subtotal: SUBTOTAL RECURRING HARDWARE COST</i>			-	-	-	-	-	9.093	-	-	6.473	-	-	12.993	-	-	8.889	-	-	21.882
SUBTOTAL SUPPORT COST																				
QUALITY ASSURANCE	A		-	-	-	-	-	0.011	-	-	0.006	-	-	0.007	-	-	-	-	-	0.007
<i>Subtotal: SUBTOTAL SUPPORT COST</i>			-	-	-	-	-	0.011	-	-	0.006	-	-	0.007	-	-	-	-	-	0.007
Total			-	-	-	-	-	9.104	-	-	6.479	-	-	13.000	-	-	8.889	-	-	21.889

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army and represent estimates from the current sole source manufacturer.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force															Date: June 2014				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 18							P-1 Line Item Number / Title: 356120 / Fuzes							Aggregated Items Title: (EC11) FUZE SYSTEM FMU-152A/B JPF					

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
SUBTOTAL RECURRING HARDWARE																				
FMU-152A/B FUZE CURRENT/FOLLOW-ON CONTRACT ⁽¹⁾	A		-	-	-	3,999.84	6,221	24.883	4,561.04	10,001	45.615	4,400.79	10,322	45.425	-	-	-	4,400.79	10,322	45.425
<i>Subtotal: SUBTOTAL RECURRING HARDWARE</i>			-	-	-	-	-	24.883	-	-	45.615	-	-	45.425	-	-	-	-	-	45.425
Total			-	-	-	-	-	24.883	-	-	45.615	-	-	45.425	-	-	-	-	-	45.425

Remarks:

A follow-on contract with a Basic plus 2 options was awarded 3 Sep 2013 with a total of 18,462 USG fuzes and 5,101 FMS fuzes, for a total of 23,563 fuzes. \$2.046M in FY13 funding will be held for the FY14 option of the follow-on contract to achieve EOQ.

Footnotes:

⁽¹⁾ The JPF Follow-On contract was awarded on 3 Sep 2013 with a total of 18,462 USG fuzes and 5,101 FMS fuzes, for a total of 23,563 fuzes.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB Amended 2015 Air Force															Date: June 2014				
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 18						P-1 Line Item Number / Title: 356120 / Fuzes						Aggregated Items Title: FUZES (ITEMS LESS THAN \$5 MILLION)							

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Uncategorized																				
FMU-152/B D-2 (EB93)	A		-	-	-	1,245.55	281	0.350	1,261.83	317	0.400	-	-	-	-	-	-	-	-	-
RING KIT, FMU-143, JDAM (ED67)	A		-	-	-	400.00	5,585	2.234	400.00	5,000	2.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Uncategorized</i>			-	-	-	-	-	2.584	-	-	2.400	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	2.584	-	-	2.400	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 18	P-1 Line Item Number / Title: 356120 / Fuzes	Item Number / Title [DODIC]: - / (ED29) FMU-143S/B 60 MIL SEC FUZE

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (Units in Each)	-	1,830	1,356	1,561	1,610	3,171
Gross/Weapon System Cost (\$ in Millions)	-	8.208	6.122	10.000	8.889	18.889
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	8.208	6.122	10.000	8.889	18.889
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	8.208	6.122	10.000	8.889	18.889

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	4,485.25	4,514.75	6,406.15	5,521.12	5,956.80

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
LOAD, ASSEMBLE, PACK (LAP)	-	-	-	4,428.00	1,830	8.103	4,454.16	1,356	6.040	5,446.43	1,561	8.502	5,446.43	1,610	8.769	5,446.43	3,171	17.271
PA60 CONTAINER	-	-	-	35.00	1,866	0.065	35.89	1,424	0.051	54.99	1,639	0.090	55.00	1,690	0.093	55.00	3,329	0.183
PBXN-11	-	-	-	41.00	622	0.026	37.91	460	0.017	46.45	531	0.025	46.45	547	0.025	46.45	1,078	0.050
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	8.194	-	-	6.108	-	-	8.617	-	-	8.887	-	-	17.504
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	8.194	-	-	6.108	-	-	8.617	-	-	8.887	-	-	17.504
Support - Support Cost Element Category Cost																		
QUALITY ASSURANCE	-	-	-	-	-	0.014	-	-	0.014	-	-	0.033	-	-	0.002	-	-	0.035
FIRST ARTICLE TEST	-	-	-	-	-	-	-	-	-	-	-	1.350	-	-	-	-	-	1.350
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.014	-	-	0.014	-	-	1.383	-	-	0.002	-	-	1.385
Gross/Weapon System Cost	-	-	-	4,485.25	1,830	8.208	4,514.75	1,356	6.122	6,406.15	1,561	10.000	5,521.12	1,610	8.889	5,956.80	3,171	18.889

Remarks:

Prices are provided by the Single Manager for Conventional Ammunition (SMCA), Department of the Army. Prices shown represent the SMCA efforts to obtain hardware, containers, pallets, straps, explosive material, etc. for the DoD Military Services purchasing the same or similar items, and to load, assemble and pack the Air Force order. Cost drivers may include economic price adjustments, currency rate fluctuations, price of complex or scarce materials and orders from other Military Services (increases/decreases).

Load, Assemble and Pack (LAP) costs are applicable to production, build-up and packaging the individual round. The LAP quantity is the number of completed fuzes to be delivered into the AF inventory.

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 18	P-1 Line Item Number / Title: 356120 / Fuzes	Item Number / Title [DODIC]: - / (ED29) FMU-143S/B 60 MIL SEC FUZE
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:

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Exhibit P-5, Cost Analysis: PB Amended 2015 Air Force		Date: June 2014
Appropriation / Budget Activity / Budget Sub Activity: 3011F / 01 / 18	P-1 Line Item Number / Title: 356120 / Fuzes	Item Number / Title [DODIC]: - / HARD TARGET VOID SENSING FUZE (HTVSF)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	0.130	19.280	34.992	-	34.992
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	-	0.130	19.280	34.992	-	34.992
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	0.130	19.280	34.992	-	34.992

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-

Cost Elements	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Hardware Cost Element Category Cost																		
Recurring Cost																		
Hard Target Void Sensing Fuze CLIN 1001	-	-	-	-	-	-	22,715.56	475	10.790	19,516.00	1,545	30.152	-	-	-	19,516.00	1,545	30.152
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	10.790	-	-	30.152	-	-	-	-	-	30.152
<i>Subtotal: Hardware - Hardware Cost Element Category Cost</i>	-	-	-	-	-	-	-	-	10.790	-	-	30.152	-	-	-	-	-	30.152
Support - Support Cost Element Category Cost																		
Program Management Administration	-	-	-	-	-	-	-	-	-	-	-	1.500	-	-	-	-	-	1.500
Tech Manuals	-	-	-	-	-	-	-	-	0.145	-	-	0.226	-	-	-	-	-	0.226
Engineering Change Order	-	-	-	-	-	-	-	-	0.805	-	-	0.600	-	-	-	-	-	0.600
FAAT	-	-	-	-	-	-	-	-	6.952	-	-	0.206	-	-	-	-	-	0.206
Tech Support	-	-	-	-	-	0.130	-	-	0.588	-	-	0.515	-	-	-	-	-	0.515
Life Cycle Surveillance Test	-	-	-	-	-	-	-	-	-	-	-	1.793	-	-	-	-	-	1.793
<i>Subtotal: Support - Support Cost Element Category Cost</i>	-	-	-	-	-	0.130	-	-	8.490	-	-	4.840	-	-	-	-	-	4.840
Gross/Weapon System Cost	-	-	-	-	-	0.130	-	-	19.280	-	-	34.992	-	-	-	-	-	34.992

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