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**Department of Defense  
Fiscal Year (FY) 2012 Budget Estimates**

February 2011



**Air Force**

*Justification Book*

***Procurement of Ammunition, Air Force***

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Air Force • President's Budget FY 2012 • Procurement

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Department of the Air Force  
 FY 2012 President's Budget  
 Exhibit P-1 FY 2012 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

28 Jan 2011

Appropriation: Procurement of Ammunition, Air Force

Budget Activity -----	FY 2011 Annualized CR Base** -----	FY 2011 Annualized CR OCO** -----	FY 2011 Annualized CR Total** -----
01. Procurement of Ammo, Air Force	790,622	243,225	1,033,847
02. Weapons	8,456	13,594	22,050
20. Undistributed			
Total Procurement of Ammunition, Air Force	799,078	256,819	1,055,897

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 28, 2011 at 13:49:27

\*\* Adjusts each budget line included in the FY 2011 President's Budget request proportionally to match the Annualized Continuing Resolution funding level for each appropriation. Quantities - TBD

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Department of the Air Force  
 FY 2012 President's Budget  
 Exhibit P-1 FY 2012 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

28 Jan 2011

Appropriation: Procurement of Ammunition, Air Force

Budget Activity -----	FY 2012 Base -----	FY 2012 OCO -----	FY 2012 Total -----
01. Procurement of Ammo, Air Force	531,870	81,010	612,880
02. Weapons	7,195	11,500	18,695
20. Undistributed			
Total Procurement of Ammunition, Air Force	539,065	92,510	631,575

## UNCLASSIFIED

Department of the Air Force  
 FY 2012 President's Budget  
 Exhibit P-1 FY 2012 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

28 Jan 2011

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2010 (Base & OCO)		FY 2011 Base Request with CR Adj*		FY 2011 OCO Request with CR Adj*		FY 2011 Total Request with CR Adj*		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Procurement of Ammo, Air Force											
-----											
Rockets											
1	Rockets	A		44,047		19,106				19,106	U
Cartridges											
2	Cartridges	A		163,655		141,049		30,801		171,850	U
Bombs											
3	Practice Bombs	A		52,336		34,094				34,094	U
4	General Purpose Bombs	A		281,748		183,845		53,192		237,037	U
5	Joint Direct Attack Munition	A	7517	190,357	3500	104,642	5831	147,991	9331	252,633	U
Flare, IR MJU-7B											
6	Cad/Pad	A		40,427		37,016				37,016	U
7	Explosive Ordinance Disposal (EOD)	A		8,083		3,383				3,383	U
8	Spares And Repair Parts	A		1,000		1,000				1,000	U
9	Modifications	A		1,286		1,112				1,112	U
10	Items Less Than \$5,000,000	A		5,049		5,015				5,015	U
Fuzes											
11	Flares	A		193,063		72,758		20,486		93,244	U
12	Fuzes	A		75,455		57,337		24,982		82,319	U
Total Procurement of Ammo, Air Force				1,056,506		660,357		277,452		937,809	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 28, 2011 at 13:49:27

\* Reflects the FY 2011 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.

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Department of the Air Force  
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28 Jan 2011

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2011 Annualized CR Base**		FY 2011 Annualized CR OCO**		FY 2011 Annualized CR Total**		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Procurement of Ammo, Air Force									
-----									
Rockets									
1	Rockets	A		22,875				22,875	U
Cartridges									
2	Cartridges	A		168,873		27,001		195,874	U
Bombs									
3	Practice Bombs	A		40,820				40,820	U
4	General Purpose Bombs	A		220,111		46,630		266,741	U
5	Joint Direct Attack Munition	A		125,284		129,735		255,019	U
Flare, IR MJU-7B									
6	Cad/Pad	A		44,318				44,318	U
7	Explosive Ordinance Disposal (EOD)	A		4,050				4,050	U
8	Spares And Repair Parts	A		1,197				1,197	U
9	Modifications	A		1,331				1,331	U
10	Items Less Than \$5,000,000	A		6,004				6,004	U
Fuzes									
11	Flares	A		87,111		17,959		105,070	U
12	Fuzes	A		68,648		21,900		90,548	U
Total Procurement of Ammo, Air Force				790,622		243,225		1,033,847	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 28, 2011 at 13:49:27

\*\* Adjusts each budget line included in the FY 2011 President's Budget request proportionally to match the Annualized Continuing Resolution funding level for each appropriation. Quantities - TBD

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Department of the Air Force  
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 (Dollars in Thousands)

28 Jan 2011

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Procurement of Ammo, Air Force									
-----									
Rockets									
1	Rockets	A		23,919		329		24,248	U
Cartridges									
2	Cartridges	A		89,771		8,014		97,785	U
Bombs									
3	Practice Bombs	A		38,756				38,756	U
4	General Purpose Bombs	A		168,557		17,385		185,942	U
5	Joint Direct Attack Munition	A	3250	76,649	1338	34,100	4588	110,749	U
Flare, IR MJU-7B									
6	Cad/Pad	A		42,410				42,410	U
7	Explosive Ordinance Disposal (EOD)	A		3,119		1,200		4,319	U
8	Spares And Repair Parts	A		998				998	U
9	Modifications	A		1,132				1,132	U
10	Items Less Than \$5,000,000	A		5,075				5,075	U
Fuzes									
11	Flares	A		46,749		11,217		57,966	U
12	Fuzes	A		34,735		8,765		43,500	U
Total Procurement of Ammo, Air Force				531,870		81,010		612,880	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 28, 2011 at 13:49:27

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Department of the Air Force  
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 (Dollars in Thousands)

28 Jan 2011

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2010 (Base & OCO)		FY 2011 Base Request with CR Adj*		FY 2011 OCO Request with CR Adj*		FY 2011 Total Request with CR Adj*		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Weapons											
-----											
Small Arms											
13	Small Arms	A		27,734		7,063		15,507		22,570	U
Total Weapons				27,734		7,063		15,507		22,570	
Budget Activity 20: Undistributed											
-----											
Undistributed											
14	Adj to Match Continuing Resolution	A				131,658		-36,140		95,518	U
Total Undistributed						131,658		-36,140		95,518	
Total Procurement of Ammunition, Air Force				1,084,240		799,078		256,819		1,055,897	

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 28, 2011 at 13:49:27

\* Reflects the FY 2011 President's Budget with an undistributed adjustment to match the Annualized Continuing Resolution funding level by appropriation.



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Department of the Air Force  
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 Exhibit P-1 FY 2012 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

28 Jan 2011

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2011 Annualized CR Base**		FY 2011 Annualized CR OCO**		FY 2011 Annualized CR Total**		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Weapons									
-----									
Small Arms									
13	Small Arms	A	8,456		13,594		22,050		U
Total Weapons			8,456		13,594		22,050		
Budget Activity 20: Undistributed									
-----									
Undistributed									
14	Adj to Match Continuing Resolution	A							U
Total Undistributed									
Total Procurement of Ammunition, Air Force			799,078		256,819		1,055,897		

P-1P: FY 2012 President's Budget (With FY 2011 CR Adjustments), as of January 28, 2011 at 13:49:27

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Department of the Air Force  
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 Exhibit P-1 FY 2012 President's Budget  
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 (Dollars in Thousands)

28 Jan 2011

Appropriation: 3011F Procurement of Ammunition, Air Force

Line No	Item Nomenclature	Ident Code	FY 2012 Base		FY 2012 OCO		FY 2012 Total		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Weapons									
-----									
Small Arms									
13	Small Arms	A		7,195		11,500		18,695	U
				-----		-----		-----	
Total Weapons				7,195		11,500		18,695	
Budget Activity 20: Undistributed									
-----									
Undistributed									
14	Adj to Match Continuing Resolution	A		-----		-----		-----	U
Total Undistributed				-----		-----		-----	
Total Procurement of Ammunition, Air Force				539,065		92,510		631,575	

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

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

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

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

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CARTRIDGES (OVERVIEW)	2	02	01	12.....	7
EXPLOSIVES ORDNANCE DISPOSAL (EOD)	7	07	01	15.....	62
FLARES (OVERVIEW)	11	11	01	15.....	79
FUZES (OVERVIEW)	12	12	01	16.....	96
GENERAL PURPOSE BOMBS (OVERVIEW)	4	04	01	13.....	36
ITEMS LESS THAN \$5 MILLION	10	10	01	15.....	74
JOINT DIRECT ATTACK MUNITION	5	05	01	13.....	52
MODIFICATIONS	9	09	01	15.....	73
PRACTICE BOMBS (OVERVIEW)	3	03	01	13.....	28
ROCKETS (OVERVIEW)	1	01	01	11.....	1
SMALL ARMS	13	13	02	01.....	101
SPARES AND REPAIR PARTS	8	08	01	15.....	70

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## **IDENTIFICATION CODES**

Code “A” - Line items of material which have been approved for Air Force service use.

Code “B” - Line items of material that have not been approved for Service use

## **GLOSSARY**

### Contract Method

ALLOT - Allotment

C - Competitive

DO - Delivery Order

FCA - Fund Cite Authorization

MIPR - Military Interdepartmental Purchase Request

OA - Obligation Authority

OPT - Option

OTH - Other

PO - Project Order

REQN - Requisition

SS - Sole Source

WP - Work Project

MIPR-OPT - Military Interdepartmental Purchase Request - Option

MIPR-C - Military Interdepartmental Purchase Request - Competitive

MIPR-SS - Military Interdepartmental Purchase Request - Sole Source

MIPR-OTH - Military Interdepartmental Purchase Request - Other

Contract Type

FP - Fixed Price  
FFP - Firm Fixed Price  
FPIS - Fixed Price Incentive with Successive Targets  
FPAF - Fixed Price Award Fee  
FPE - Fixed Price with Escalation  
FPIF - Fixed Price Incentive Fee  
CPAF - Cost Plus Award Fee  
CPFF - Cost Plus Fixed Fee  
CPIF - Cost Plus Incentive Fee  
ID/IQ - Indefinite Delivery/Indefinite Quantity  
M-5 (Yr 1) - Multiyear, 5 years (Yr 1)  
M-5 (Yr 2) - Multiyear, 5 years (Yr 2)  
M-5 (Yr 3) - Multiyear, 5 years (Yr 3)  
M-5 (Yr 4) - Multiyear, 5 years (Yr 4)  
M-5 (Yr 5) - Multiyear, 5 years (Yr 5)  
OTH - Other

Contracted By

11 WING - 11<sup>th</sup> Support Wing, Washington, DC  
ACC - Air Combat Command, Langley AFB, VA  
AEDC - Arnold Engineering Development Center, Arnold AFB, TN  
AAC - Air Armament Center, Eglin AFB, FL  
AEDC - Arnold Engineering Development Center, Arnold AFB, TN  
AETC - Air Education and Training Command, Randolph AFB, TX  
AFCIC - Air Force Communications and Information Center, Washington, DC  
AFCESA - Air Force Civil Engineering Support Agency, Tyndall AFB, FL

AFFTC - Air Force Flight Test Center, Edwards AFB, CA  
AFMC - Air Force Materiel Command, Wright-Patterson AFB, OH  
AFMETCAL - Air Force Metrology and Calibration Office, Heath, Ohio  
AFMLO - Air Force Medical Logistics Office, Ft Detrick, MD  
AIA - Air Intelligence Agency, Kelly AFB, TX  
AMC - Air Mobility Command, Scott AFB, IL  
ASC - Aeronautical Systems Center, Wright-Patterson AFB, OH & Eglin AFB, FL  
AFWA - Air Force Weather Agency, Offutt AFB, NE  
DGSC - Defense General Support Center, Richmond, VA  
DPSC - Defense Personnel Support Center, Philadelphia, PA  
ER - Eastern Range, Patrick AFB, FL  
ESC - Electronic Systems Center, Hanscom AFB, MA  
HSC - Human Services Center, Brook AFB, TX  
OC-ALC - Oklahoma City Air Logistics Center, Tinker AFB, OK  
OO-ALC - Ogden Air Logistics Center, Hill AFB, UT  
SMC - Space & Missile Systems Center, Los Angeles AFB, CA  
US STRATCOM - US Strategic Command, Offutt AFB, NE  
WACC - Washington Area Contracting Center, Washington DC  
WR - Western Range, Vandenberg AFB, CA  
WR-ALC - Warner-Robins Air Logistics Center, Robins AFB, GA  
AFSPC - Air Force Space Command, Peterson AFB, CO  
HQ ANG - Headquarters, Air National Guard, Washington, DC  
USAFE - United States Air Force Europe, Ramstein AB, GE  
USAF A - United States Air Force Academy, Colorado Springs, CO  
SSG - Standard Systems Group, Maxwell AFB-Gunter Annex, AL

Bases/Organizations

11 WING - 11<sup>th</sup> Support Wing  
ACC - Air Combat Command



AETC - Air Education & Training Command  
AFCAO - Air Force Computer Acquisition Office  
AFCESA - Air Force Civil Engineering Support Agency  
AFCIC - AF Communications & Information Center  
AFCSC - Air Force Cryptologic Service Center  
AFESC - Air Force Engineering Services Center  
AFGWC - Air Force Global Weather Central  
AFIT - Air Force Institute of Technology  
AFMC - Air Force Materiel Command  
AFMETCAL - Air Force Metrology and Calibration Office  
AFMLO - Air Force Medical Logistics Office  
AFNEWS - Air Force Information & News Service Center  
AFOSI - Air Force Office of Special Investigation  
AFOTEC - Air Force Operational Test & Evaluation Center  
AFPC - Air Force Personnel Center  
AFPSL - AF Primary Standards Lab  
AFR - Air Force Reserve  
AFSOC - AF Special Operations Command  
AFSPC - Air Force Space Command  
AIA - Air Intelligence Agency  
AMC - Air Mobility Command  
ANG - Air National Guard  
AU - Air University  
AWS - Air Weather Service  
CIA - Central Intelligence Agency  
DGSC - Defense General Support Center  
DLA - Defense Logistics Center  
DOE - Department of Energy  
DSCC - Defense Supply Center, Columbus  
DPSC - Defense Personnel Support Center

ER - Eastern Range  
ESC - Electronic Systems Center  
FAA - Federal Aviation Agency  
FBI - Federal Bureau of Investigation  
GSA - General Services Administration  
JCS - Joint Chiefs of Staff  
JCS - Johnson Space Center  
NATO - North Atlantic Treaty Organization  
NBS - National Bureau of Standards  
PACAF - Pacific Air Forces  
USAF - United States Air Force  
USAFA - United States Air Force Academy  
USAFE - United States Air Force Europe  
USCENTCOM - United States Central Command  
USEUCOM - United States European Command  
USMC - United States Marine Corps  
USSTRATCOM - United States Strategic Command  
WPAFB - Wright-Patterson AFB, OH  
WR - Western Range

APPROPRIATION LANGUAGE

PROCUREMENT OF AMMUNITION, AIR FORCE

For construction, procurement, production, and modification of ammunition and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$631,575,000 to remain available for obligation until September 30, 2014.

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 11 : Rockets

**P-1 Line Item Nomenclature:**  
1 - ROCKETS (OVERVIEW)

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	44.047	19.106	23.919	0.329	24.248	8.878	15.735	14.614	13.148	0.000	139.776
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	44.047	19.106	23.919	0.329	24.248	8.878	15.735	14.614	13.148	0.000	139.776
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>44.047</b>	<b>19.106</b>	<b>23.919</b>	<b>0.329</b>	<b>24.248</b>	<b>8.878</b>	<b>15.735</b>	<b>14.614</b>	<b>13.148</b>	<b>0.000</b>	<b>139.776</b>
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY2010 funding includes \$3.488M of appropriated Overseas Contingency Operations supplemental funding.

The program funding includes an increase for overhead efficiencies that are intended to reduce out year costs through improvement in program infrastructure or reduction in unit costs.

The Air Force primarily uses rockets to mark target locations for other aircraft during combat and training operations. Rockets constitute the primary target marking munition used by forward air control aircraft, which launch this munition from reusable pods carried on aircraft pylons. The 2.75-inch diameter rocket with folding fins utilizes high explosive, white phosphorous, or target practice warheads, and is fired from either high or low speed aircraft. Three versions of the 2.75-inch rocket motor are in use: MK 4, MK 40, and MK 66.

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

- Items Less Than Five Million Dollars: All items have an annual procurement value of less than \$5,000,000 and are Code A. These items are procured through the U.S Army Missile Command, Joint Attack Munitions Systems (JAMS), PEO Missiles and Space at Redstone Arsenal Alabama.
- 2.75 Inch Rocket Motor: A single-stage, solid grained rocket motor used to propel 2.75 Inch Illum Warhead (H812), 2.75 Inch Rocket Flares (HA06), 2.75 Inch WP Warhead (H855), and 2.75 Inch Signature Practice Warhead (H872) to their targets. The 2.75 Inch Rocket is used primarily to mark target locations for other aircraft. This item is procured through the U.S. Army Missile Command, Joint Attack Munitions Systems (JAMS), PEO Missiles and Space at Redstone Arsenal Alabama. FY2010 funding includes \$2.163M of appropriated Overseas Contingency Operations supplemental funding.
- 2.75 Inch Illumination (H812) Warhead: Mates to the 2.75 inch rocket motor (HA07) and deploys a visible spectrum flare that is attached to a parachute for paced descent. This warhead provides standoff capability during night operations when/where target illumination is required. The asset supports Forward Air Control operations. This item is procured through the U.S. Army Missile Command, Joint Attack Munitions Systems (JAMS), PEO Missiles and Space at Redstone Arsenal Alabama.
- 2.75 Inch White Phosphorus Warhead (H855): Used with the 2.75 inch Rocket Motor (HA07), provides forward air control aircraft with target locations from a standoff distance in a hostile environment. This item is procured through the U.S. Army Missile Command, Joint Attack Munitions Systems (JAMS), PEO Missiles and Space at Redstone Arsenal Alabama. FY2010 funding includes \$1.325M of appropriated Overseas Contingency Operations supplemental funding. FY2011 funding includes \$5.000M of requested funding for Overseas Contingency Operations supplemental funding.

Items requested in FY2012 are identified on the following P-40A/P-5s and are representative of items to be procured. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.

Projected test and training allocations for reserve component requirements based on FY2010 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority):

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 11 : Rockets

**P-1 Line Item Nomenclature:**  
1 - ROCKETS (OVERVIEW)

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

\$M FY2010 FY2011 FY2012 FY2013 FY2014 FY2015 FY2016  
 ANG: \$3.211 \$1.147 \$1.175 \$0.633 \$0.631 \$0.442 \$0.505  
 AFR: \$2.520 \$0.900 \$0.922 \$0.497 \$0.495 \$0.347 \$0.396

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
<i>(Uncategorized)</i>				44.047			19.106			23.919			0.329			24.248
(H149) LAUNCHER, LAU-131A	P40A	0.474	3,009	1.425	0.840	2,690	2.260	0.895	1,006	0.900	9.500	2	0.019	0.912	1,008	0.919
(HA06) 2.75 FLARE IR	P40A	22.672	174	3.945	2.117	656	1.389	0.000	-	0.000	0.000	-	0.000	0.000	-	0.000
ROCKETS (2.75 IN ROCKET MOTOR - HA07)	P5	-	-	11.931	-	-	0.000	-	-	15.160	-	-	0.182	0.000	-	15.342
ROCKETS (2.75 INCH ILLUM - H812)	P5	-	-	6.672	-	-	2.078	-	-	2.233	-	-	0.000	0.000	-	2.233
ROCKETS (2.75 WHD WP SMOKE - H855)	P5	-	-	20.074	-	-	13.379	-	-	5.626	-	-	0.128	0.000	-	5.754
<b>Total</b>				44.047			19.106			23.919			0.329			24.248

**Remarks:**  
 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.

FY2012 OCO funding request replenishes WRM munitions expended in support of combat operations in OEF.

PEs associated with this P-1 Line are: 0207599F, 0208030F

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 11		<b>P-1 Line Item Nomenclature:</b> 1 - ROCKETS (OVERVIEW)			<b>Aggregated Item Name:</b> ROCKETS (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		5.370	3.649	0.900	0.019	0.919
(H149) LAUNCHER, LAU-131A	A	1.425	2.260	0.900	0.019	0.919
Quantity		3,009	2,690	1,006	2	1,008
Unit Cost		0.474	0.840	0.895	9.500	0.912
(HA06) 2.75 FLARE IR	A	3.945	1.389	0.000	0.000	0.000
Quantity		174	656	-	-	-
Unit Cost		22.672	2.117	0.000	0.000	0.000
<b>Total</b>		<b>5.370</b>	<b>3.649</b>	<b>0.900</b>	<b>0.019</b>	<b>0.919</b>

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>												<b>Date:</b> February 2011							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 11						<b>P-1 Line Item Nomenclature:</b> 1 - ROCKETS (OVERVIEW)						<b>Item Nomenclature:</b> ROCKETS (2.75 IN ROCKET MOTOR - HA07)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
2.75 ROCKET MOTOR MK66 MOD 2 - HA07	A	-	-	-	0.537	22,232	11.931	0.000	-	0.000	0.633	23,937	15.160	0.617	295	0.182	0.633	24,232	15.342
2.75 ROCKET MOTOR MK66 MOD 2	A	-	-	-	0.524	22,134	11.596	0.000	-	0.000	0.617	23,937	14.769	0.617	295	0.182	0.617	24,232	14.951
PRODUCTION ENGINEERING	A	-	-	-	-	-	0.335	-	-	0.000	-	-	0.391	-	-	0.000	-	-	0.391
Gross/Weapon System Cost		-	-	0.000	-	-	11.931	-	-	0.000	-	-	15.160	-	-	0.182	-	-	15.342
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	11.931	-	-	0.000	-	-	15.160	-	-	0.182	0.000	-	15.342
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Obligation Authority</b>		-	-	0.000	-	-	11.931	-	-	0.000	-	-	15.160	-	-	0.182	0.000	-	15.342
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:** 3011F / BA 1 / BSA 11 **P-1 Line Item Nomenclature:** 1 - ROCKETS (OVERVIEW) **Item Nomenclature:** ROCKETS (2.75 INCH ILLUM - H812)

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
2.75 ILLUM WARHEAD M257 - H812	A	-	-	-	1.401	4,762	6.672	2.165	960	2.078	2.217	1,007	2.233	-	-	0.000	2.217	1,007	2.233
2.75 INCH ILLUMINATION WARHEAD M257	A	-	-	-	1.360	4,762	6.477	1.992	1,012	2.016	2.145	1,012	2.171	-	-	0.000	2.145	1,012	2.171
PRODUCTION SUPPORT	A	-	-	-	-	-	0.195	-	-	0.062	-	-	0.062	-	-	0.000	-	-	0.062
Gross/Weapon System Cost		-	-	0.000	-	-	6.672	-	-	2.078	-	-	2.233	-	-	0.000	-	-	2.233
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	6.672	-	-	2.078	-	-	2.233	-	-	0.000	0.000	-	2.233
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Obligation Authority</b>		-	-	0.000	-	-	6.672	-	-	2.078	-	-	2.233	-	-	0.000	0.000	-	2.233
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>												<b>Date:</b> February 2011							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 11						<b>P-1 Line Item Nomenclature:</b> 1 - ROCKETS (OVERVIEW)						<b>Item Nomenclature:</b> ROCKETS (2.75 WHD WP SMOKE - H855)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
2.75 WARHEAD WP SMOKE - H855	A	-	-	-	0.420	47,812	20.074	0.454	29,462	13.379	0.377	14,920	5.626	0.354	362	0.128	0.377	15,282	5.754
2.75 WARHEAD WITH WHITE PHOS	A	-	-	-	0.408	48,016	19.590	0.437	29,462	12.875	0.353	14,921	5.267	0.354	362	0.128	0.353	15,283	5.395
PRODUCTION ENGINEERING	A	-	-	-	-	-	0.484	-	-	0.504	-	-	0.359	-	-	0.000	-	-	0.359
Gross/Weapon System Cost		-	-	0.000	-	-	20.074	-	-	13.379	-	-	5.626	-	-	0.128	-	-	5.754
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	20.074	-	-	13.379	-	-	5.626	-	-	0.128	0.000	-	5.754
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Obligation Authority</b>		-	-	0.000	-	-	20.074	-	-	13.379	-	-	5.626	-	-	0.128	0.000	-	5.754
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 12 : Cartridges

**P-1 Line Item Nomenclature:**  
2 - CARTRIDGES (OVERVIEW)

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	163.655	171.850	89.771	8.014	97.785	117.427	129.362	134.206	134.196	0.000	948.481
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	163.655	171.850	89.771	8.014	97.785	117.427	129.362	134.206	134.196	0.000	948.481
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>163.655</b>	<b>171.850</b>	<b>89.771</b>	<b>8.014</b>	<b>97.785</b>	<b>117.427</b>	<b>129.362</b>	<b>134.206</b>	<b>134.196</b>	<b>0.000</b>	<b>948.481</b>
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY2010 funding includes \$39.236M of appropriated Overseas Contingency Operations supplemental funding.

FY2011 funding includes \$30.801M of requested Overseas Contingency Operations supplemental funding.

The program funding includes reductions for overhead efficiencies that are not intended to impact the current program. The efficiencies reductions total \$33.205M in FY2012.

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

- 5.56mm Frangible: 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.

- Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000 and are Code A. FY2010 funding includes \$11.397M of appropriated Overseas Contingency Operations supplemental funding. FY2011 funding includes \$14.911M of requested Overseas Contingency Operations supplemental funding.

- 20MM PGU-28A/B: This round is used for air-to-air and air-to-ground targets in the M61 gun system for F-15 & F-16 aircraft. This ammunition is used by both the Air Force and Navy for combat use only. FY2010 funding totals include \$0.447M of appropriated Overseas Contingency Operations funding. FY2011 funding totals include \$2.479M of requested Overseas Contingency Operations funding. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).

- 20MM Target Practice (TP) Round: 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 20MM projectile is a solid slug sized to match the ballistics of the 20MM combat round. The 20MM cartridge is the primary ammunition used in aircraft gun systems by the Air Force and Navy. The Air Force procures the PGU-27 TP round to provide a training capability to complement the PGU-28 high explosive incendiary combat round and ensure training is consistent with combat operations. FY2010 funding totals include \$0.472M of appropriated Overseas Contingency Operations funding. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA) and Engineering Support Costs are provided to the Navy.

- 30MM HEI PGU-13/B Round: This is a High Explosive Incendiary (HEI) round that is used with the GAU-8/A cannon on the A-10 aircraft. This round contains an explosive material that is used against light armor and personnel. FY2010 funding includes \$18.102M of appropriated Overseas Contingency Operations supplemental funding. FY2011 funding includes \$13.411M requested for Overseas Contingency Operations supplemental funding. This item is procured through the Single Manager for Conventional Ammunition (SMCA).

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 12 : Cartridges

**P-1 Line Item Nomenclature:**  
2 - CARTRIDGES (OVERVIEW)

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

- 30MM Target Practice (TP) Cartridge: 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. FY2010 funding includes \$8.818M of appropriated supplemental Overseas Contingency Operations Supplemental funding. This item is procured through the Single Manager for Conventional Ammunition (SMCA).

Items requested in FY2012 are identified on the following P-40A/P-5s and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.

Projected test and training allocations for reserve component requirements based on FY2010 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority):

\$M FY2010 FY2011 FY2012 FY2013 FY2014 FY2015 FY2016  
 ANG: \$20.604 \$15.845 \$14.981 \$13.779 \$14.879 \$15.530 \$16.332  
 AFR: \$8.558 \$6.581 \$6.222 \$5.723 \$6.180 \$6.450 \$6.783

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
		Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
<i>(Uncategorized)</i>					163.655			171.841			89.771			8.014			97.785
(3W37) CHAFF, RR-188	P40A	A	-	-	0.000	0.006	87,463	0.500	0.003	144,508	0.500	-	-	0.000	0.003	144,508	0.500
(A011) CTG, 12 GAUGE NO.00 BUCKSHOT	P40A	A	-	-	0.000	0.000	258,732	0.120	0.001	64,516	0.040	-	-	0.000	0.001	64,516	0.040
(A017) CTG, 12 GA SHOTGUN, 9 SHOT	P40A	A	-	-	0.000	0.000	61,012	0.020	-	-	0.000	-	-	0.000	-	-	0.000
(A059) 5.56MM BALL M855	P40A	A	0.000	4,239K	1.327	0.000	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(A062) CTG, 5.56MM BALL M855 LINKED	P40A	A	-	-	0.000	0.000	3,179K	1.500	0.000	10,426K	4.900	-	-	0.000	0.000	10,426K	4.900
(A091) CTG, .22 CAL LONG RIFLE	P40A	A	0.000	37,837	0.014	0.000	-	0.000	0.000	526,316	0.200	-	-	0.000	0.000	526,316	0.200
(A111) CTG, 7.62MM BLANK M82 LINKED	P40A	A	-	-	0.000	0.000	-	0.000	0.001	684,932	0.500	-	-	0.000	0.001	684,932	0.500
			0.001	94,736	0.055	0.000	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 12 : Cartridges

**P-1 Line Item Nomenclature:**  
 2 - CARTRIDGES (OVERVIEW)

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(A112) CTG, 7.62MM SINGLE ROUND BLANK	P40A	A															
(A131) CTG, 7.62MM BALL 4-1 LINKED	P40A	A	0.001	1,287K	0.922	0.000	-	0.000	-	-	0.000	-	-	0.006	-	-	0.006
(A143) CTG, 7.62MM BALL LINKED M80	P40A	A	0.001	1,577K	0.950	0.001	1,864K	1.592	0.001	3,441K	3.200	-	-	0.000	0.001	3,441K	3.200
(A257) CTG, 7.62MM 9-1 DIM TRACER	P40A	A	-	-	0.369	0.001	573,657	0.500	0.001	-	0.000	0.001	403,125	0.387	0.001	403,125	0.387
(A358) 9MM SUBCAL AT4 TRACER	P40A	A	0.001	116,504	0.120	0.000	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(A363) 9MM BALL NATO XM882 PISTOL	P40A	A	0.000	30,106K	4.836	0.000	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(A403) CTG, CAL .38 SP BLANK	P40A	A	0.000	-	0.000	0.000	-	0.000	0.000	102,040	0.050	-	-	0.000	0.000	102,040	0.050
(A482) CTG CAL .45 BALL WADCUTTER	P40A	A	0.000	-	0.000	0.000	362,581	0.150	0.001	300,000	0.150	-	-	0.000	0.001	300,000	0.150
(A483) CTG CAL .45 BALL M1911 MTCHGRD	P40A	A	0.000	-	0.000	0.001	157,418	0.080	0.001	298,387	0.185	-	-	0.000	0.001	298,387	0.185
(A555) CTG, CAL .50 BALL M2 LINKED	P40A	A	0.003	840,677	2.316	0.000	-	0.000	0.003	672,569	1.937	0.003	33,333	0.096	0.003	705,902	2.033
(A557) CTG, CAL .50 BALL/TRACER/ LINKED M2/M9	P40A	A	0.000	-	0.000	0.003	1,134K	3.346	0.003	1,455K	4.364	-	-	0.000	0.003	1,455K	4.364
(A576) CTG, CAL .50 API/API-T 4/1 LINK	P40A	A	0.003	138,289	0.372	0.000	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(A598) CTG CAL.50 BLNK CRMPD W/M9 LNK	P40A	A	0.000	-	0.000	0.002	143,781	0.300	0.002	46,948	0.100	-	-	0.000	0.002	46,948	0.100
(A606) CTG, CAL.50 API MK211 MOD 0	P40A	A	0.000	-	0.000	0.013	30,487	0.400	0.014	730	0.010	-	-	0.000	0.014	730	0.010

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 12 : Cartridges

**P-1 Line Item Nomenclature:**  
2 - CARTRIDGES (OVERVIEW)

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(A978) CTG, 25MM, TP, PGU-23/U	P40A	A	0.000	-	0.000	0.000	-	0.000	-	-	4.279	-	-	0.000	-	-	4.279
(AA01) CTG 5.56MM AP M995 LKD	P40A	A	0.002	27,428	0.048	0.002	52,438	0.100	0.002	60,606	0.100	-	-	0.000	0.002	60,606	0.100
(AA02) CTG 5.56MM AP/TR M995/M856 4-1	P40A	A	0.003	717,391	1.900	0.002	233,331	0.400	0.002	529,101	1.000	-	-	0.000	0.002	529,101	1.000
(AA03) CTG. 7.62 M993 AP	P40A	A	-	-	0.000	0.003	19,554	0.050	-	-	0.000	-	-	0.000	-	-	0.000
(AA04) CTG. 7.62 M993/M62 4 AP/1 TRA	P40A	A	0.002	64,953	0.139	0.000	-	0.000	-	-	0.000	0.002	32,000	0.072	0.002	32,000	0.072
(AA11) CTG. 7.62 NATO M118 SPEC BALL	P40A	A	-	-	-	0.000	-	0.000	-	-	0.000	0.001	1,785	0.002	0.001	1,785	0.002
(AA16) 9 MILLIME CARTRIDGE FRANG	P40A	A	0.000	15,767K	4.270	0.000	-	0.000	0.000	9,677K	3.000	-	-	0.000	0.000	9,677K	3.000
(AA50) .50 CAL DIM TRACER	P40A	A	0.000	49,202	0.000	0.000	-	0.000	-	-	0.000	0.011	74,446	0.807	0.011	74,446	0.807
(AA51) CTG 12GA N-LETH PT-CONT M1012	P40A	A	0.000	4,309K	0.948	0.000	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(AA52) CTG 12GA N-LETHAL CROWD M1013	P40A	A	0.000	3,582K	0.788	0.000	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(AB09) 5.56 BLUE MARKING CARTRIDGE	P40A	A	0.001	4,600K	2.648	0.001	7,142K	4.695	0.001	7,313K	4.900	-	-	0.000	0.001	7,313K	4.900
(AB10) 5.56 RED MARKING CARTRIDGES	P40A	A	0.001	4,600K	2.648	0.001	7,142K	4.695	0.001	7,313K	4.900	-	-	0.000	0.001	7,313K	4.900
(AB13) 9MM BLUE MARKING CARTRIDGE	P40A	A	0.001	801,724	0.470	0.001	6,888K	3.926	0.001	3,390K	2.000	-	-	0.000	0.001	3,390K	2.000

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 12 : Cartridges

**P-1 Line Item Nomenclature:**  
2 - CARTRIDGES (OVERVIEW)

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(AB14) 9M RED MARKING CARTRIDGE	P40A	A	0.001	725,862	0.425	0.001	5,775K	3.300	0.001	2,980K	1.758	-	-	0.000	0.001	2,980K	1.758
(AB16) 5.56 BLUE LINKED MARKING CART	P40A	A	0.001	2,162K	1.600	0.001	4,362K	3.446	0.001	3,125K	2.500	-	-	0.000	0.001	3,125K	2.500
(AB17) 5.56 RED LINKED MARKING CART	P40A	A	0.001	2,192K	1.600	0.001	4,362K	3.446	0.001	3,125K	2.500	-	-	0.000	0.001	3,125K	2.500
(AB20) CTG, 30MM PGU-14 REMAN	P40A	A	0.030	31,545	0.950	0.023	197,037	4.522	-	-	0.000	-	-	0.000	-	-	0.000
(AB22) CTG, 30MM PGU-13 REMAN	P40A	A	0.042	22,511	0.950	-	-	0.000	0.021	77,459	1.622	0.021	39,302	0.823	0.021	116,761	2.445
(AY04) CTG, BIRDSCARE, 12 GAGE, PGU-26P	P40A	A	0.001	18,627	0.019	0.001	58,252	0.060	-	-	0.000	-	-	0.000	-	-	0.000
(B103) 30MM HEI/API	P40A	A	0.020	49,829	1.020	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(B519) CARTRIDGE, 40MM PRACTICE M781	P40A	A	0.004	432,992	1.710	0.005	832,745	4.247	0.006	203,735	1.200	-	-	0.000	0.006	203,735	1.200
(B535) CTG, 40MM, SIG WHITE STAR M583	P40A	A	0.043	56,380	2.439	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(B552) 40MM CTG APT M81A1 RD CLIP	P40A	A	0.009	12,835	0.110	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(BA06) CARTRIDGE, 40MM, SPONGE	P40A	A	0.020	43,081	0.878	0.022	112,557	2.438	-	-	0.000	-	-	0.000	-	-	0.000
(BA13) 40 MM CARTRIDGE, CROWD DISPERS	P40A	A	0.016	54,556	0.873	0.018	152,025	2.665	-	-	0.000	-	-	0.000	-	-	0.000
(BA21) 40 MM MK281 MD 0 Day/Night Mk 19	P40A	A	0.028	170,857	4.749	0.028	146,347	4.067	0.028	188,746	5.300	-	-	0.000	0.028	188,746	5.300
	P40A	A	0.031	145,972	4.512	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 12 : Cartridges

**P-1 Line Item Nomenclature:**  
2 - CARTRIDGES (OVERVIEW)

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	
(CY94) RR-196 Chaff (F-22A)																	
(F470) SIGNAL (CLOD SPOT), CXU-3A/B	P40A	0.005	2,574	0.013	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	
(F562) CTG SIG PRAC BMB MK4 MOD 3	P40A	0.004	11,467	0.050	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	
(K765) RIOT CNTRL CAPSULE CS	P40A	-	-	-	0.000	6,061	0.002	-	-	0.000	-	-	0.000	-	-	0.000	
(M189) CTG IMPULSE ARD 863-1	P40A	0.004	126,423	0.555	0.002	93,159	0.207	0.045	5,580	0.250	-	-	0.000	0.045	5,580	0.250	
(M190) CTG IMP MK2 MOD1	P40A	0.171	70	0.012	0.102	226	0.023	-	-	0.000	-	-	0.000	-	-	0.000	
(M943) CTG, IMPULSE MK107 MOD 1	P40A	-	-	-	0.053	4,162	0.219	-	-	0.000	-	-	0.000	-	-	0.000	
(MG11) CTG,IMPULSE,BBU-36/B	P40A	0.002	430,061	0.701	0.001	383,950	0.415	0.002	484,756	0.795	0.002	34,146	0.056	0.002	518,902	0.851	
(MG62) CTG, IMPULSE BBU-35/B	P40A	0.002	981,012	1.550	0.001	734,831	0.904	-	-	0.000	0.002	128,333	0.231	0.002	128,333	0.231	
(MT40) SQUIB, ELECTRIC BBU-46 A/ B	P40A	0.035	26,995	0.940	0.018	6,763	0.119	0.036	49,198	1.750	0.036	1,827	0.065	0.036	51,025	1.815	
(NY02) CTG, CHAFF, RR-196(T-1)AL	P40A	0.012	365,388	4.444	0.052	69,162	3.579	-	-	0.000	-	-	0.000	-	-	0.000	
(SS27) CTG, IMPLUSE, BBU-48/B	P40A	0.008	286,489	2.375	0.008	200,696	1.615	0.009	365,212	3.181	0.009	4,707	0.041	0.009	369,919	3.222	
(SS44) CTG, IMPULSE, BBU-63/B	P40A	0.503	945	0.475	0.508	985	0.500	0.513	975	0.500	-	-	0.087	0.602	975	0.587	
(SY16) CHAFF CTG RR-180	P40A	0.008	4,952	0.042	0.018	16,705	0.303	0.009	57,803	0.500	-	-	0.000	0.009	57,803	0.500	
	P40A	0.007	7,469	0.049	0.003	49,472	0.164	0.067	3,736	0.250	0.007	4,036	0.027	0.036	7,772	0.277	

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 12 : Cartridges

**P-1 Line Item Nomenclature:**  
2 - CARTRIDGES (OVERVIEW)

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	Exhibits		\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(WB33) CTG, IMP ARD 446-1B																	
(WD01) CARTRIDGE, IMPULSE BBU-59/B	P40A	A	0.081	17,517	1.425	0.085	17,328	1.479	-	-	0.000	-	-	0.000	-	-	0.000
5.56 MM FRANG (AA40)	P40A	A	0.000	21,240K	9.133	0.000	5,756K	2.500	0.000	13,864K	6.100	-	-	0.000	0.000	13,864K	6.100
AF Shooting Team (AFST)	P40A	A	-	-	0.133	-	-	0.140	-	-	0.140	-	-	0.000	-	-	0.140
CARTRIDGES (20 MM TP PGU-27A/B - AA24)	P5		-	-	13.771	-	-	13.175	-	-	4.779	-	-	0.000	0.000	-	4.779
CARTRIDGES (20MM PGU-28A/B SEMI-AP-HEI - AA22)	P5		-	-	6.921	-	-	23.000	-	-	5.078	-	-	0.762	0.000	-	5.840
CARTRIDGES (30 MM TP PGU-15/B - B116)	P5, P5A		-	-	42.867	-	-	32.584	-	-	6.553	-	-	0.000	0.000	-	6.553
CARTRIDGES (30MM HEI PGU-13/B B104)	P5, P5A		-	-	31.224	-	-	39.348	-	-	7.700	-	-	4.552	0.000	-	12.252
MED CAL Program	P40A	A	-	-	-	-	-	1.000	-	-	1.000	-	-	0.000	-	-	1.000
<b>Total</b>					163.655			171.841			89.771			8.014			97.785

**Remarks:**

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.

FY2012 OCO funding request replenishes WRM munitions expended in support of combat operations in OEF.



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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 2 - CARTRIDGES (OVERVIEW)			<b>Aggregated Item Name:</b> CARTRIDGES (5.56 FRANG - AA40)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		9.133	2.500	6.100	0.000	6.100
5.56 MM FRANG (AA40)	A	9.133	2.500	6.100	0.000	6.100
Quantity		21,240K	5,756K	13,864K	-	13,864K
Unit Cost		0.000	0.000	0.000	-	0.000
<b>Total</b>		<b>9.133</b>	<b>2.500</b>	<b>6.100</b>	<b>0.000</b>	<b>6.100</b>

**Remarks:**

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 12		P-1 Line Item Nomenclature: 2 - CARTRIDGES (OVERVIEW)			Aggregated Item Name: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		59.739	61.234	59.561	2.700	62.261
(A011) CTG, 12 GAUGE NO.00 BUCKSHOT	A	0.000	0.120	0.040	0.000	0.040
Quantity		-	258,732	64,516	-	64,516
Unit Cost		-	0.000	0.001	-	0.001
(A017) CTG, 12 GA SHOTGUN, 9 SHOT	A	0.000	0.020	0.000	0.000	0.000
Quantity		-	61,012	-	-	-
Unit Cost		-	0.000	-	-	-
(A059) 5.56MM BALL M855	A	1.327	0.000	0.000	0.000	0.000
Quantity		4,239K	-	-	-	-
Unit Cost		0.000	0.000	-	-	-
(A062) CTG, 5.56MM BALL M855 LINKED	A	0.000	1.500	4.900	0.000	4.900
Quantity		-	3,179K	10,426K	-	10,426K
Unit Cost		-	0.000	0.000	-	0.000
(A091) CTG, .22 CAL LONG RIFLE	A	0.014	0.000	0.200	0.000	0.200
Quantity		37,837	-	526,316	-	526,316
Unit Cost		0.000	0.000	0.000	-	0.000
(A111) CTG, 7.62MM BLANK M82 LINKED	A	0.000	0.000	0.500	0.000	0.500
Quantity		-	-	684,932	-	684,932
Unit Cost		-	0.000	0.001	-	0.001
(A112) CTG, 7.62MM SINGLE ROUND BLANK	A	0.055	0.000	0.000	0.000	0.000
Quantity		94,736	-	-	-	-
Unit Cost		0.001	0.000	-	-	-
(A131) CTG, 7.62MM BALL 4-1 LINKED	A	0.922	0.000	0.000	0.006	0.006
Quantity		1,287K	-	-	-	-
Unit Cost		0.001	0.000	-	-	-
(A143) CTG, 7.62MM BALL LINKED M80	A	0.950	1.592	3.200	0.000	3.200
Quantity		1,577K	1,864K	3,441K	-	3,441K
Unit Cost		0.001	0.001	0.001	-	0.001
(A257) CTG, 7.62MM 9-1 DIM TRACER	A	0.369	0.500	0.000	0.387	0.387
Quantity		-	573,657	-	403,125	403,125
Unit Cost		-	0.001	0.001	0.001	0.001

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 12		P-1 Line Item Nomenclature: 2 - CARTRIDGES (OVERVIEW)			Aggregated Item Name: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
(A358) 9MM SUBCAL AT4 TRACER	A	0.120	0.000	0.000	0.000	0.000
Quantity		116,504	-	-	-	-
Unit Cost		0.001	0.000	-	-	-
(A363) 9MM BALL NATO XM882 PISTOL	A	4.836	0.000	0.000	0.000	0.000
Quantity		30,106K	-	-	-	-
Unit Cost		0.000	0.000	-	-	-
(A403) CTG, CAL .38 SP BLANK	A	0.000	0.000	0.050	0.000	0.050
Quantity		-	-	102,040	-	102,040
Unit Cost		0.000	0.000	0.000	-	0.000
(A555) CTG, CAL .50 BALL M2 LINKED	A	2.316	0.000	1.937	0.096	2.033
Quantity		840,677	-	672,569	33,333	705,902
Unit Cost		0.003	0.000	0.003	0.003	0.003
(A557) CTG, CAL .50 BALL/TRACER/LINKED M2/M9	A	0.000	3.346	4.364	0.000	4.364
Quantity		-	1,134K	1,455K	-	1,455K
Unit Cost		0.000	0.003	0.003	-	0.003
(A576) CTG, CAL .50 API/API-T 4/1 LINK	A	0.372	0.000	0.000	0.000	0.000
Quantity		138,289	-	-	-	-
Unit Cost		0.003	0.000	-	-	-
(A598) CTG CAL.50 BLNK CRMPD W/M9 LNK	A	0.000	0.300	0.100	0.000	0.100
Quantity		-	143,781	46,948	-	46,948
Unit Cost		0.000	0.002	0.002	-	0.002
(A606) CTG, CAL.50 API MK211 MOD 0	A	0.000	0.400	0.010	0.000	0.010
Quantity		-	30,487	730	-	730
Unit Cost		0.000	0.013	0.014	-	0.014
(A482) CTG CAL .45 BALL WADCUTTER	A	0.000	0.150	0.150	0.000	0.150
Quantity		-	362,581	300,000	-	300,000
Unit Cost		0.000	0.000	0.001	-	0.001
(A483) CTG CAL .45 BALL M1911 MTCHGRD	A	0.000	0.080	0.185	0.000	0.185
Quantity		-	157,418	298,387	-	298,387
Unit Cost		0.000	0.001	0.001	-	0.001
(A978) CTG, 25MM, TP, PGU-23/U	A	0.000	0.000	4.279	0.000	4.279

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 12		P-1 Line Item Nomenclature: 2 - CARTRIDGES (OVERVIEW)			Aggregated Item Name: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Quantity		-	-	-	-	-
Unit Cost		0.000	0.000	-	-	-
(AA01) CTG 5.56MM AP M995 LKD	A	0.048	0.100	0.100	0.000	0.100
Quantity		27,428	52,438	60,606	-	60,606
Unit Cost		0.002	0.002	0.002	-	0.002
(AA02) CTG 5.56MM AP/TR M995/M856 4-1	A	1.900	0.400	1.000	0.000	1.000
Quantity		717,391	233,331	529,101	-	529,101
Unit Cost		0.003	0.002	0.002	-	0.002
(AA03) CTG. 7.62 M993 AP	A	0.000	0.050	0.000	0.000	0.000
Quantity		-	19,554	-	-	-
Unit Cost		-	0.003	-	-	-
(AA04) CTG. 7.62 M993/M62 4 AP/1 TRA	A	0.139	0.000	0.000	0.072	0.072
Quantity		64,953	-	-	32,000	32,000
Unit Cost		0.002	0.000	-	0.002	0.002
(AA11) CTG. 7.62 NATO M118 SPEC BALL	A	-	0.000	0.000	0.002	0.002
Quantity		-	-	-	1,785	1,785
Unit Cost		-	0.000	-	0.001	0.001
(AA16) 9 MILLIME CARTRIDGE FRANG	A	4.270	0.000	3.000	0.000	3.000
Quantity		15,767K	-	9,677K	-	9,677K
Unit Cost		0.000	0.000	0.000	-	0.000
(AA50) .50 CAL DIM TRACER	A	0.000	0.000	0.000	0.807	0.807
Quantity		49,202	-	-	74,446	74,446
Unit Cost		0.000	0.000	-	0.011	0.011
(AA51) CTG 12GA N-LETH PT-CONT M1012	A	0.948	0.000	0.000	0.000	0.000
Quantity		4,309K	-	-	-	-
Unit Cost		0.000	0.000	-	-	-
(AA52) CTG 12GA N-LETHAL CROWD M1013	A	0.788	0.000	0.000	0.000	0.000
Quantity		3,582K	-	-	-	-
Unit Cost		0.000	0.000	-	-	-
(AB09) 5.56 BLUE MARKING CARTRIDGE	A	2.648	4.695	4.900	0.000	4.900
Quantity		4,600K	7,142K	7,313K	-	7,313K

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 12		P-1 Line Item Nomenclature: 2 - CARTRIDGES (OVERVIEW)			Aggregated Item Name: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Unit Cost		0.001	0.001	0.001	-	0.001
(AB10) 5.56 RED MARKING CARTRIDGES	A	2.648	4.695	4.900	0.000	4.900
Quantity		4,600K	7,142K	7,313K	-	7,313K
Unit Cost		0.001	0.001	0.001	-	0.001
(AB13) 9MM BLUE MARKING CARTRIDGE	A	0.470	3.926	2.000	0.000	2.000
Quantity		801,724	6,888K	3,390K	-	3,390K
Unit Cost		0.001	0.001	0.001	-	0.001
(AB14) 9M RED MARKING CARTRIDGE	A	0.425	3.300	1.758	0.000	1.758
Quantity		725,862	5,775K	2,980K	-	2,980K
Unit Cost		0.001	0.001	0.001	-	0.001
(AB16) 5.56 BLUE LINKED MARKING CART	A	1.600	3.446	2.500	0.000	2.500
Quantity		2,162K	4,362K	3,125K	-	3,125K
Unit Cost		0.001	0.001	0.001	-	0.001
(AB17) 5.56 RED LINKED MARKING CART	A	1.600	3.446	2.500	0.000	2.500
Quantity		2,192K	4,362K	3,125K	-	3,125K
Unit Cost		0.001	0.001	0.001	-	0.001
(AY04) CTG. BIRDSCARE,12 GAGE,PGU-26P	A	0.019	0.060	0.000	0.000	0.000
Quantity		18,627	58,252	-	-	-
Unit Cost		0.001	0.001	-	-	-
(B519) CARTRIDGE, 40MM PRACTICE M781	A	1.710	4.247	1.200	0.000	1.200
Quantity		432,992	832,745	203,735	-	203,735
Unit Cost		0.004	0.005	0.006	-	0.006
(B535) CTG,40MM,SIG WHITE STAR M583	A	2.439	0.000	0.000	0.000	0.000
Quantity		56,380	-	-	-	-
Unit Cost		0.043	-	-	-	-
(B552) 40MM CTG APT M81A1 RD CLIP	A	0.110	0.000	0.000	0.000	0.000
Quantity		12,835	-	-	-	-
Unit Cost		0.009	-	-	-	-
(BA06) CARTRIDGE,40MM,SPONGE	A	0.878	2.438	0.000	0.000	0.000
Quantity		43,081	112,557	-	-	-
Unit Cost		0.020	0.022	-	-	-

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 12		P-1 Line Item Nomenclature: 2 - CARTRIDGES (OVERVIEW)			Aggregated Item Name: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
(BA13) 40 MM CARTRIDGE, CROWD DISPERS	A	0.873	2.665	0.000	0.000	0.000
Quantity		54,556	152,025	-	-	-
Unit Cost		0.016	0.018	-	-	-
(BA21) 40 MM MK281 MD 0 Day/Night Mk 19	A	4.749	4.067	5.300	0.000	5.300
Quantity		170,857	146,347	188,746	-	188,746
Unit Cost		0.028	0.028	0.028	-	0.028
(K765) RIOT CNTRL CAPSULE CS	A	-	0.002	0.000	0.000	0.000
Quantity		-	6,061	-	-	-
Unit Cost		-	0.000	-	-	-
(3W37) CHAFF, RR-188	A	0.000	0.500	0.500	0.000	0.500
Quantity		-	87,463	144,508	-	144,508
Unit Cost		-	0.006	0.003	-	0.003
(AB20) CTG, 30MM PGU-14 REMAN	A	0.950	4.522	0.000	0.000	0.000
Quantity		31,545	197,037	-	-	-
Unit Cost		0.030	0.023	-	-	-
(AB22) CTG, 30MM PGU-13 REMAN	A	0.950	0.000	1.622	0.823	2.445
Quantity		22,511	-	77,459	39,302	116,761
Unit Cost		0.042	-	0.021	0.021	0.021
(B103) 30MM HEI/API	A	1.020	0.000	0.000	0.000	0.000
Quantity		49,829	-	-	-	-
Unit Cost		0.020	-	-	-	-
(CY94) RR-196 Chaff (F-22A)	A	4.512	0.000	0.000	0.000	0.000
Quantity		145,972	-	-	-	-
Unit Cost		0.031	-	-	-	-
(F470) SIGNAL (CLOD SPOT), CXU-3A/B	A	0.013	0.000	0.000	0.000	0.000
Quantity		2,574	-	-	-	-
Unit Cost		0.005	-	-	-	-
(F562) CTG SIG PRAC BMB MK4 MOD 3	A	0.050	0.000	0.000	0.000	0.000
Quantity		11,467	-	-	-	-
Unit Cost		0.004	-	-	-	-
(M189) CTG IMPULSE ARD 863-1	A	0.555	0.207	0.250	0.000	0.250

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 12		P-1 Line Item Nomenclature: 2 - CARTRIDGES (OVERVIEW)			Aggregated Item Name: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Quantity		126,423	93,159	5,580	-	5,580
Unit Cost		0.004	0.002	0.045	-	0.045
(M190) CTG IMP MK2 MOD1	A	0.012	0.023	0.000	0.000	0.000
Quantity		70	226	-	-	-
Unit Cost		0.171	0.102	-	-	-
(M943) CTG, IMPULSE MK107 MOD 1	A	-	0.219	0.000	0.000	0.000
Quantity		-	4,162	-	-	-
Unit Cost		-	0.053	-	-	-
(MG11) CTG,IMPULSE,BBU-36/B	A	0.701	0.415	0.795	0.056	0.851
Quantity		430,061	383,950	484,756	34,146	518,902
Unit Cost		0.002	0.001	0.002	0.002	0.002
(MG62) CTG, IMPULSE BBU-35/B	A	1.550	0.904	0.000	0.231	0.231
Quantity		981,012	734,831	-	128,333	128,333
Unit Cost		0.002	0.001	-	0.002	0.002
(MT40) SQUIB, ELECTRIC BBU-46 A/B	A	0.940	0.119	1.750	0.065	1.815
Quantity		26,995	6,763	49,198	1,827	51,025
Unit Cost		0.035	0.018	0.036	0.036	0.036
(NY02) CTG, CHAFF, RR-196(T-1)AL	A	4.444	3.579	0.000	0.000	0.000
Quantity		365,388	69,162	-	-	-
Unit Cost		0.012	0.052	-	-	-
(SS27) CTG, IMPLUSE, BBU-48/B	A	2.375	1.615	3.181	0.041	3.222
Quantity		286,489	200,696	365,212	4,707	369,919
Unit Cost		0.008	0.008	0.009	0.009	0.009
(SS44) CTG, IMPULSE, BBU-63/B	A	0.475	0.500	0.500	0.087	0.587
Quantity		945	985	975	-	975
Unit Cost		0.503	0.508	0.513	-	0.602
(SY16) CHAFF CTG RR-180	A	0.042	0.303	0.500	0.000	0.500
Quantity		4,952	16,705	57,803	-	57,803
Unit Cost		0.008	0.018	0.009	-	0.009
(WB33) CTG, IMP ARD 446-1B	A	0.049	0.164	0.250	0.027	0.277
Quantity		7,469	49,472	3,736	4,036	7,772

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 12		<b>P-1 Line Item Nomenclature:</b> 2 - CARTRIDGES (OVERVIEW)			<b>Aggregated Item Name:</b> CARTRIDGES (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
Unit Cost		0.007	0.003	0.067	0.007	0.036
(WD01) CARTRIDGE, IMPULSE BBU-59/B	A	1.425	1.479	0.000	0.000	0.000
Quantity		17,517	17,328	-	-	-
Unit Cost		0.081	0.085	-	-	-
MED CAL Program	A	-	1.000	1.000	0.000	1.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
AF Shooting Team (AFST)	A	0.133	0.140	0.140	0.000	0.140
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
<b>Total</b>		<b>59.739</b>	<b>61.234</b>	<b>59.561</b>	<b>2.700</b>	<b>62.261</b>

**Remarks:**



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>													<b>Date:</b> February 2011						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 12						<b>P-1 Line Item Nomenclature:</b> 2 - CARTRIDGES (OVERVIEW)						<b>Item Nomenclature:</b> CARTRIDGES (20MM PGU-28A/B SEMI-AP-HEI - AA22)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
20 MM PGU-28A/B SEMI-AP-HEI - AA22	A	-	-	-	0.029	239,621	6.921	0.028	812,152	23.000	0.061	83,770	5.078	0.055	13,805	0.762	0.060	97,575	5.840
LOAD, ASSEMBLE, PACK	A	-	-	-	0.027	239,621	6.453	0.027	812,152	22.244	0.055	83,770	4.607	0.055	13,805	0.759	0.055	97,575	5.367
PALLET MK3-0	A	-	-	-	0.188	48	0.009	0.184	163	0.030	0.209	16	0.003	0.209	3	0.001	0.209	19	0.004
BOX, MEATAL M548	A	-	-	-	0.037	982	0.036	0.032	3,328	0.108	0.038	343	0.013	0.039	53	0.002	0.038	396	0.015
QUALITY ASSURANCE	A	-	-	-	-	-	0.007	-	-	0.008	-	-	0.006	-	-	0.000	-	-	0.006
ACCEPTANCE TESTING	A	-	-	-	-	-	0.000	-	-	0.610	-	-	0.000	-	-	0.000	-	-	0.000
FIRST ARTICLE TESTING	A	-	-	-	-	-	0.416	-	-	0.000	-	-	0.448	-	-	0.000	-	-	0.448
Gross/Weapon System Cost		-	-	0.000	-	-	6.921	-	-	23.000	-	-	5.078	-	-	0.762	-	-	5.840
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	6.921	-	-	23.000	-	-	5.078	-	-	0.762	0.000	-	5.840
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	6.921	-	-	23.000	-	-	5.078	-	-	0.762	0.000	-	5.840
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>													<b>Date:</b> February 2011						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 12						<b>P-1 Line Item Nomenclature:</b> 2 - CARTRIDGES (OVERVIEW)						<b>Item Nomenclature:</b> CARTRIDGES (20 MM TP PGU-27A/B - AA24)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
20 MM TP PGU-27A/B - AA24	A	-	-	-	0.012	1,107K	13.771	0.014	959,611	13.175	0.015	327,181	4.779	-	-	0.000	0.015	327,181	4.779
LOAD, ASSEMBLE, PACK	A	-	-	-	0.012	1,107K	13.193	0.013	959,650	12.629	0.014	327,181	4.626	-	-	0.000	0.014	327,181	4.626
BOX METAL M548	A	-	-	-	0.037	4,539	0.167	0.033	3,935	0.130	0.039	1,341	0.052	-	-	0.000	0.039	1,341	0.052
PALLET MK3-0	A	-	-	-	0.185	222	0.041	0.183	192	0.035	0.211	65	0.014	-	-	0.000	0.211	65	0.014
QUALITY ASSURANCE	A	-	-	-	0.000	1,107K	0.005	-	-	0.006	-	-	0.001	-	-	0.000	-	-	0.001
ACCEPTANCE TESTING	A	-	-	-	-	-	0.000	-	-	0.375	-	-	0.002	-	-	0.000	-	-	0.002
FIRST ARTICLE TEST	A	-	-	-	-	-	0.365	-	-	0.000	-	-	0.084	-	-	0.000	-	-	0.084
Gross/Weapon System Cost		-	-	0.000	-	-	13.771	-	-	13.175	-	-	4.779	-	-	0.000	-	-	4.779
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	13.771	-	-	13.175	-	-	4.779	-	-	0.000	0.000	-	4.779
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	13.771	-	-	13.175	-	-	4.779	-	-	0.000	0.000	-	4.779
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>												<b>Date:</b> February 2011							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 12						<b>P-1 Line Item Nomenclature:</b> 2 - CARTRIDGES (OVERVIEW)						<b>Item Nomenclature:</b> CARTRIDGES (30MM HEI PGU-13/B B104)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
† 30MM HEI PGU-13/B - B104	A	-	-	-	0.056	560,047	31.224	0.053	737,070	39.348	0.060	128,250	7.700	0.056	81,229	4.552	0.058	209,479	12.252
LOAD, ASSEMBLE, PACK (LAP)	A	-	-	-	0.048	560,047	27.128	0.049	737,070	36.315	0.050	128,250	6.456	0.050	81,229	4.089	0.050	209,479	10.545
TUBE AND STRAP ASSEMBLY F/30MM	A	-	-	-	0.397	1,008	0.400	0.381	1,327	0.506	0.407	231	0.094	0.404	146	0.059	0.406	377	0.153
CONTIANER CNU-332	A	-	-	-	1.590	1,008	1.603	1.897	1,327	2.517	2.762	231	0.638	2.760	146	0.403	2.761	377	1.041
ACCEPTANCE TESTING	A	-	-	-	-	-	0.582	-	-	0.000	-	-	0.006	-	-	0.001	-	-	0.007
QUALITY ASSURANCE	A	-	-	-	-	-	0.011	-	-	0.010	-	-	0.006	-	-	0.000	-	-	0.006
FIRST ARTICLE TESTING	A	-	-	-	-	-	1.500	-	-	0.000	-	-	0.500	-	-	0.000	-	-	0.500
Gross/Weapon System Cost		-	-	0.000	-	-	31.224	-	-	39.348	-	-	7.700	-	-	4.552	-	-	12.252
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	31.224	-	-	39.348	-	-	7.700	-	-	4.552	0.000	-	12.252
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	31.224	-	-	39.348	-	-	7.700	-	-	4.552	0.000	-	12.252
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F / BA 1 / BSA 12

**P-1 Line Item Nomenclature:**  
2 - CARTRIDGES (OVERVIEW)

**Item Nomenclature:**  
CARTRIDGES (30MM HEI PGU-13/B B104)

Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
30MM HEI PGU-13/B - B104 <sup>(1)</sup>		2010	UNKNOWN / UNKNOWN	MIPR	UNKNOWN	Mar 2011	Mar 2012	560,047	0.056	Y		
30MM HEI PGU-13/B - B104 <sup>(2)</sup>		2011	UNKNOWN / UNKNOWN	MIPR	UNKNOWN	Mar 2011	Mar 2012	737,070	0.053	Y		
30MM HEI PGU-13/B - B104 <sup>(3)</sup>		2012	UNKNOWN / UNKNOWN	MIPR	UNKNOWN	Mar 2012	Mar 2013	209,479	0.060	Y		

**Remarks:**

- <sup>(1)</sup>FY2010 contract was delayed due to development of a new basic contract which will have at least 4 option years.
- <sup>(2)</sup>FY2011 procurement quantity will be added to the FY2010 Basic contract since FY10 contract award was delayed.
- <sup>(3)</sup>FY2012 contract will be an option of the FY2010 Basic which has at least 4 option years.

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<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>													<b>Date:</b> February 2011						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 12						<b>P-1 Line Item Nomenclature:</b> 2 - CARTRIDGES (OVERVIEW)						<b>Item Nomenclature:</b> CARTRIDGES (30 MM TP PGU-15/B - B116)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
† 30MM TP PGU-15/B - B116	A	-	-	-	0.019	2,312K	42.867	0.020	1,667K	32.584	0.020	331,355	6.553	-	-	0.000	0.020	331,355	6.553
LOAD,ASSEMBLE,PACK	A	-	-	-	0.017	2,312K	39.992	0.018	1,667K	30.339	0.017	331,355	5.686	-	-	0.000	0.017	331,355	5.686
TUBE AND STRAP ASSEMBLY	A	-	-	-	0.397	4,161	1.653	0.381	3,001	1.144	0.406	596	0.242	-	-	0.000	0.406	596	0.242
CONTAINER CNU-332E	A	-	-	-	0.167	4,160	0.694	0.198	3,001	0.595	0.183	596	0.109	-	-	0.000	0.183	596	0.109
QUALITY ASSURANCE	A	-	-	-	-	-	0.017	-	-	0.018	-	-	0.013	-	-	0.000	-	-	0.013
ACCEPTANCE TESTING	A	-	-	-	-	-	0.045	-	-	0.488	-	-	0.003	-	-	0.000	-	-	0.003
FIRST ARTICLE TEST	A	-	-	-	-	-	0.466	-	-	0.000	-	-	0.500	-	-	0.000	-	-	0.500
Gross/Weapon System Cost		-	-	0.000	-	-	42.867	-	-	32.584	-	-	6.553	-	-	0.000	-	-	6.553
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	42.867	-	-	32.584	-	-	6.553	-	-	0.000	0.000	-	6.553
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	42.867	-	-	32.584	-	-	6.553	-	-	0.000	0.000	-	6.553
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 12	<b>P-1 Line Item Nomenclature:</b> 2 - CARTRIDGES (OVERVIEW)	<b>Item Nomenclature:</b> CARTRIDGES (30 MM TP PGU-15/B - B116)
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
30MM TP PGU-15/B - B116 <sup>(1)</sup>		2010	GD-OTS/MARIAN, IL/ ALLIANT TECH / MN	MIPR	MN	Jan 2010	Jan 2011	2,312K	0.019	Y		
30MM TP PGU-15/B - B116 <sup>(2)</sup>		2011	GD-OTS/MARIAN, IL/ ALLIANT TECH / MN	MIPR	MN	Mar 2011	Mar 2012	1,667K	0.020	Y		
30MM TP PGU-15/B - B116 <sup>(3)</sup>		2012	GD-OTS/MARIAN, IL/ ALLIANT TECH / MN	MIPR	MN	Mar 2012	Mar 2013	331,355	0.020	Y		

**Remarks:**  
 Each ordering year contract or contract options may be split between the following vendors: GD-OTS and ATK.  
 Contract decisions are based on the past performance of ventors.  
<sup>(1)</sup>Contract has an FY07 base year with 4 option years. Each year when the options are exercised, contracts will be awarded/split between GD-OTS and ATK based on past performance.  
<sup>(2)</sup>Contract has an FY07 base year with 4 option years. Each year when the options are exercised, contracts will be awarded/split between GD-OTS and ATK based on past performance.  
<sup>(3)</sup>FY2012 procurement will be a new Basic contract with at least 4 option years.

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 13 : Bombs

**P-1 Line Item Nomenclature:**  
3 - PRACTICE BOMBS (OVERVIEW)

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	52.336	34.094	38.756	0.000	38.756	32.216	30.840	41.087	27.903	0.000	257.232
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	52.336	34.094	38.756	0.000	38.756	32.216	30.840	41.087	27.903	0.000	257.232
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Obligation Authority (\$ in Millions)	0.000	52.336	34.094	38.756	0.000	38.756	32.216	30.840	41.087	27.903	0.000	257.232
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

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

- Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000 and are Code A.
- BDU-56A/B: A 2,000-pound thick-wall cast ductile iron, non-explosive training shape used to provide combat air forces with aircrew weapons delivery training. The BDU-56 simulates the drop trajectory of a live MK-84. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).
- BDU-50C/B: A 500-pound thick-wall cast ductile iron, non-explosive training shape used to provide combat air forces with aircrew weapons delivery training. The BDU-50 simulates the drop trajectory of a live MK-82. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).
- BLU-109(D-1)/B Warhead: A 2,000-pound hard target inert bomb filled with 553 pounds of Filler-E wood product material. The warhead is used for testing on the Paveway II, III, and GBU-15 weapon systems. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).

Items requested in FY2012 are identified on the following P-40A/P-5s and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

Projected test and training allocations for reserve component requirements based on FY2010 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority):

\$M FY2010 FY2011 FY2012 FY2013 FY2014 FY2015 FY2016  
 ANG: \$8.304 \$5.409 \$6.161 \$5.121 \$4.903 \$6.646 \$4.794  
 AFR: \$2.021 \$1.317 \$1.499 \$1.246 \$1.193 \$1.617 \$1.167

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 13 : Bombs

**P-1 Line Item Nomenclature:**  
3 - PRACTICE BOMBS (OVERVIEW)

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	
<i>(Uncategorized)</i>				52.336			34.094			38.757			0.000			38.757	
BLU-113A/B EMPTY CASE (MY38)	P40A	154.267	15	2.314	157.500	18	2.835	-	-	0.000	-	-	0.000	-	-	0.000	
BOMB GP 1000LB MK-83 EMPTY (F254)	P40A	-	-	0.000	-	-	0.000	1.835	242	0.444	-	-	0.000	1.835	242	0.444	
BOMB GP MK-82-0,1 INERT (F243)	P40A	-	-	0.000	-	-	0.000	1.056	1,484	1.567	-	-	0.000	1.056	1,484	1.567	
BOMB GP MK-83 INERT FILLED (EC37)	P40A	2.936	763	2.240	2.975	471	1.401	3.560	289	1.029	-	-	0.000	3.560	289	1.029	
BOMB INERT BLU-113/A D-1 (E989)	P40A	3.212	651	2.091	5.793	426	2.468	-	-	0.000	-	-	0.000	-	-	0.000	
BOMB MK-84 INERT (F262)	P40A	4.050	181	0.733	5.610	141	0.791	5.380	368	1.980	-	-	0.000	5.380	368	1.980	
BOMB PRACTICE 1000LB BDU-61/B CDI	P40A	3.324	555	1.845	3.358	444	1.491	3.405	306	1.042	-	-	0.000	3.405	306	1.042	
BOMB, BLU-122 (D-1)/ B (EC59)	P40A	-	-	0.500	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	
CASE ASSY BOMB BLU-109 EMPTY (CY47)	P40A	-	-	0.000	16.389	18	0.295	16.504	15	0.248	-	-	0.000	16.504	15	0.248	
PRACTICE BOMBS (BDU-50C/B CDI - EB71)	P5, P5A	-	-	12.350	-	-	7.749	-	-	11.850	-	-	0.000	0.000	-	11.850	
PRACTICE BOMBS (BDU-56A/B CDI - ED12)	P5	-	-	19.238	-	-	10.652	-	-	12.959	-	-	0.000	0.000	-	12.959	
PRACTICE BOMBS BLU-109 D-1 (F034)	P5	-	-	11.025	-	-	6.412	-	-	7.638	-	-	0.000	0.000	-	7.638	
<b>Total</b>				52.336			34.094			38.757			0.000			38.757	

**Remarks:**



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<b>Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force</b>		<b>Date:</b> February 2011
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 13 : Bombs		<b>P-1 Line Item Nomenclature:</b> 3 - PRACTICE BOMBS (OVERVIEW)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Related Program Elements:</b>	
<p>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.</p> <p>PE associated with this P-1 Line is: 0207599F</p>		

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 13		P-1 Line Item Nomenclature: 3 - PRACTICE BOMBS (OVERVIEW)			Aggregated Item Name: PRACTICE BOMBS (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		9.723	9.281	6.310	0.000	6.310
CASE ASSY BOMB BLU-109 EMPTY (CY47)	A	0.000	0.295	0.248	0.000	0.248
Quantity		-	18	15	-	15
Unit Cost		-	16.389	16.504	-	16.504
BOMB INERT BLU-113/A D-1 (E989)	A	2.091	2.468	0.000	0.000	0.000
Quantity		651	426	-	-	-
Unit Cost		3.212	5.793	-	-	-
BOMB GP MK-83 INERT FILLED (EC37)	A	2.240	1.401	1.029	0.000	1.029
Quantity		763	471	289	-	289
Unit Cost		2.936	2.975	3.560	-	3.560
BOMB PRACTICE 1000LB BDU-61/B CDI	A	1.845	1.491	1.042	0.000	1.042
Quantity		555	444	306	-	306
Unit Cost		3.324	3.358	3.405	-	3.405
BOMB GP MK-82-0,1 INERT (F243)	A	0.000	0.000	1.567	0.000	1.567
Quantity		-	-	1,484	-	1,484
Unit Cost		-	-	1.056	-	1.056
BOMB GP 1000LB MK-83 EMPTY (F254)	A	0.000	0.000	0.444	0.000	0.444
Quantity		-	-	242	-	242
Unit Cost		-	-	1.835	-	1.835
BOMB MK-84 INERT (F262)	A	0.733	0.791	1.980	0.000	1.980
Quantity		181	141	368	-	368
Unit Cost		4.050	5.610	5.380	-	5.380
BOMB, BLU-122 (D-1)/B (EC59)	A	0.500	0.000	0.000	0.000	0.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
BLU-113A/B EMPTY CASE (MY38)	A	2.314	2.835	0.000	0.000	0.000
Quantity		15	18	-	-	-
Unit Cost		154.267	157.500	-	-	-
<b>Total</b>		<b>9.723</b>	<b>9.281</b>	<b>6.310</b>	<b>0.000</b>	<b>6.310</b>
<b>Remarks:</b>						

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<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>													<b>Date:</b> February 2011					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13					<b>P-1 Line Item Nomenclature:</b> 3 - PRACTICE BOMBS (OVERVIEW)							<b>Item Nomenclature:</b> PRACTICE BOMBS (BDU-56A/B CDI - ED12)						

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
BDU-56 A/B PRACTICE BOMB W/CDI - ED12	A	-	-	-	6.488	2,965	19.238	5.372	1,983	10.652	7.539	1,719	12.959	-	-	0.000	7.539	1,719	12.959
LOAD, ASSEMBLE, PACK (LAP)	A	-	-	-	6.000	2,965	17.790	4.903	1,983	9.723	6.836	1,719	11.752	-	-	0.000	6.836	1,719	11.752
LUG SUSP ACFT ORD MK3-0	A	-	-	-	0.053	6,019	0.322	0.053	4,006	0.214	0.060	4,685	0.283	-	-	0.000	0.060	4,685	0.283
PALLET MK79-1	A	-	-	-	0.728	1,542	1.123	0.700	1,002	0.702	0.786	1,171	0.920	-	-	0.000	0.786	1,171	0.920
PRODUCTION ENGINEERING	A	-	-	-	-	-	-	-	-	-	-	-	0.004	-	-	0.000	-	-	0.004
QUALITY ASSURANCE	A	-	-	-	-	-	0.004	-	-	0.013	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost		-	-	0.000	-	-	19.238	-	-	10.652	-	-	12.959	-	-	0.000	-	-	12.959
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	19.238	-	-	10.652	-	-	12.959	-	-	0.000	0.000	-	12.959
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Obligation Authority</b>		-	-	<b>0.000</b>	-	-	<b>19.238</b>	-	-	<b>10.652</b>	-	-	<b>12.959</b>	-	-	<b>0.000</b>	<b>0.000</b>	-	<b>12.959</b>
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>													<b>Date:</b> February 2011					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13					<b>P-1 Line Item Nomenclature:</b> 3 - PRACTICE BOMBS (OVERVIEW)							<b>Item Nomenclature:</b> PRACTICE BOMBS (BDU-50C/B CDI - EB71)						

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
† BDU 50C/B, CDI	A	-	-	-	1.330	9,289	12.350	1.583	4,896	7.749	2.261	5,240	11.850	-	-	0.000	2.261	5,240	11.850
LOAD, ASSEMBLE, PACK (LAP)	A	-	-	-	1.265	9,289	11.751	1.522	4,896	7.450	2.161	5,240	11.326	-	-	0.000	2.161	5,240	11.326
LUG SUSP ACFT ORD MS3314	A	-	-	-	0.021	18,765	0.397	0.021	9,891	0.209	0.024	10,584	0.250	-	-	0.000	0.024	10,584	0.250
PALLET MHU-149/E	A	-	-	-	0.000	-	0.000	0.000	-	0.000	0.156	891	0.139	-	-	0.000	0.156	891	0.139
PALLET INSPECTION, MHU-149/E	A	-	-	-	0.090	1,579	0.142	0.101	832	0.084	0.146	889	0.130	-	-	0.000	0.146	889	0.130
QUALITY ASSURANCE	A	-	-	-	-	-	0.003	-	-	0.006	-	-	0.005	-	-	0.000	-	-	0.005
EPA	A	-	-	-	-	-	0.057	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost		-	-	0.000	-	-	12.350	-	-	7.749	-	-	11.850	-	-	0.000	-	-	11.850
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	12.350	-	-	7.749	-	-	11.850	-	-	0.000	0.000	-	11.850
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	12.350	-	-	7.749	-	-	11.850	-	-	0.000	0.000	-	11.850
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

**UNCLASSIFIED**

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**Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 3 - PRACTICE BOMBS (OVERVIEW)	<b>Item Nomenclature:</b> PRACTICE BOMBS (BDU-50C/B CDI - EB71)
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
BDU 50C/B, CDI <sup>(1)</sup>		2010	Army/Applied Mechanical / Appleton, WI	WR	Appleton, WI	Mar 2010	Nov 2010	9,289	1.330	Y		
BDU 50C/B, CDI <sup>(2)</sup>		2011	Army/Applied Mechanical / Appleton, WI	WR	Appleton, WI	Mar 2011	Nov 2011	4,896	1.583	Y		
BDU 50C/B, CDI <sup>(3)</sup>		2012	Army/Applied Mechanical / Appleton, WI	WR	Appleton, WI	Mar 2012	Nov 2012	5,240	2.261	Y		

**Remarks:**

- <sup>(1)</sup>FY2010 contract is an option of the FY2009 Basic which has 4 option years.
- <sup>(2)</sup>FY2011 contract is an option of the FY2009 Basic.
- <sup>(3)</sup>FY2012 contract will be an option of the FY2009 Basic.

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**Exhibit P-5, Cost Analysis : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:** 3011F / BA 1 / BSA 13 **P-1 Line Item Nomenclature:**  
3 - PRACTICE BOMBS (OVERVIEW) **Item Nomenclature:**  
PRACTICE BOMBS BLU-109 D-1 (F034)

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
BLU-109 D-1 (F034)	A	-	-	-	20.646	534	11.025	20.818	308	6.412	23.944	319	7.638	-	-	0.000	23.944	319	7.638
LOAD, ASSEMBLE, PACK	A	-	-	-	2.661	534	1.421	2.719	308	0.838	3.549	319	1.132	-	-	0.000	3.549	319	1.132
BOMB BODY 2000LB BLU-109(D-1)/B	A	-	-	-	16.485	546	9.001	16.563	315	5.217	18.760	325	6.097	-	-	0.000	18.760	325	6.097
CONTAINER SHIP/ STORE CNU 417/E	A	-	-	-	2.175	271	0.589	2.189	156	0.342	2.478	161	0.399	-	-	0.000	2.478	161	0.399
RECEIPT BOMB BLU-109(D-1)B	A	-	-	-	0.016	546	0.009	0.017	315	0.005	0.020	325	0.006	-	-	0.000	0.020	325	0.006
PRODUCTION ENGINEERING	A	-	-	-	-	-	0.002	-	-	0.004	-	-	0.004	-	-	0.000	-	-	0.004
QUALITY ASSURANCE	A	-	-	-	-	-	0.003	-	-	0.007	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost		-	-	0.000	-	-	11.025	-	-	6.412	-	-	7.638	-	-	0.000	-	-	7.638
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	11.025	-	-	6.412	-	-	7.638	-	-	0.000	0.000	-	7.638
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	11.025	-	-	6.412	-	-	7.638	-	-	0.000	0.000	-	7.638
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 13 : Bombs

**P-1 Line Item Nomenclature:**  
4 - GENERAL PURPOSE BOMBS (OVERVIEW)

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

**Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	281.748	237.037	168.557	17.385	185.942	157.000	187.822	204.597	262.167	0.000	1,516.313
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	281.748	237.037	168.557	17.385	185.942	157.000	187.822	204.597	262.167	0.000	1,516.313
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Obligation Authority (\$ in Millions)	0.000	281.748	237.037	168.557	17.385	185.942	157.000	187.822	204.597	262.167	0.000	1,516.313
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY2010 funding includes \$34.085M of appropriated Overseas Contingency Operations supplemental funding.

FY2011 funding includes \$53.192M of requested Overseas Contingency Operations supplemental funding.

The program funding includes reductions for overhead efficiencies that are not intended to impact the current program. The efficiencies reductions total \$22.33M in FY2012.

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

- GBU-10/12 Computer Control Group (MAU-209, MAU-169): A laser homing guidance unit used on the PAVEWAY II Laser Guided Bomb (LGB)(GBU-10, MK-84 Warhead, 2000lb class or GBU-12, MK-82 Warhead, 500lb class). The PAVEWAY II system has folding wings which open upon release for maneuverability and increased aircraft payload. These weapons are primarily used for precision bombing against hardened and non-hardened targets. This item is procured through the Ogden Air Logistics Center. FY2010 funding includes \$10.203M appropriated for Overseas Contingency Operations supplemental funding. FY2011 funding includes \$20.036M requested for Overseas Contingency Operations supplemental funding.
- MXU-650 Fin Assembly Kits: Consists of a tail fin, forward canards and attachment hardware used on the GBU-12 (MK-82 Warhead, 500lb class) PAVEWAY II Laser Guided Bomb (LGB). This Fin assembly kit, coupled with a Paveway II Computer Control Group (ED58), are both required to build GBU-12 weapons. These weapons are primarily used for precision bombing against non-hardened targets. This item is procured through the Ogden Air Logistics Center. FY2010 funding include \$5.492M of appropriated Overseas Contingency Operations supplemental funding. FY2011 funding include \$7.719M of requested Overseas Contingency Operations supplemental funding.
- Items Less Than Five Million Dollars: All items have a procurement value of less than \$5,000,000 and are Code A. FY2010 funding includes \$0.725M of appropriated Overseas Contingency Operations supplemental funding. FY2011 funding includes \$0.280M of requested Overseas Contingency Operations supplemental funding.
- BLU-109: A 2,000-pound hard target penetrator bomb. 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. Increased funding to fill a historically short stockpile and to support increasing unit costs due to change of bomb body design and new IM explosive fill. The DODIC was EC72 which was a GP bomb filled with PBXN-109. Now, the Air Force will procure DODIC ED49, NSN 1325015733873, BLU-109C/B penetrator bomb containing AFX-757 fill and Insensitive Munitions (IM) technology. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA). FY2010 funding includes \$0.380M of appropriated Overseas Contingency Operations supplemental funding. FY2011 funding includes \$1.680M of requested Overseas Contingency Operations supplemental funding.
- BLU-110B/B: A 1,000-pound class general purpose bomb. It has a relatively thin bomb case that is streamlined to reduce aerodynamic drag. 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 with the Joint Direct Attack Munition weapon system. The BLU-110B/B can also be fuzed with proximity, instantaneous or delayed fuzes to provide a variety of military effects. Increased funding to fill new stockpile and meet pilot training objectives for

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 13 : Bombs

**P-1 Line Item Nomenclature:**  
4 - GENERAL PURPOSE BOMBS (OVERVIEW)

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

fielding of the F-22A aircraft. This item was previously identified as DODIC EB28 which was provided by the Navy as a place-holder awaiting cataloging action. New DODIC is ED41 which represents the new insensitive munitions (IM) technology. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).

- MXU-651 B/B (EC31/EC28): An airfoil group consisting of an aft wing assembly, forward canards and attaching hardware to assemble a GBU-10 (MK-84 Warhead, 2000lb class, or BLU-109 2000lb Hard Target Penetrator Bomb) PAVEWAY II Laser Guided Bomb (LGB). The PAVEWAY II system has folding wings which open upon release for increased maneuverability. This item is procured through the Ogden Air Logistics Center.

- BLU-129/B: A 500-pound bomb body that is made from carbon fibers, instead of traditional steel. This 500lb bomb body will be joined to JDAM tailkits and eventually other weapon tailkits that interface with the standard 500lb bomb body shape. \$31M in FY2010 supplemental funding was utilized for the production of a Joint Urgent Operational Need (JUON) response weapon known as the Very Low Collateral Damage Weapon (VLCDW). VLCDW has been given the identifier of BLU-129/B by USAF, and is also commonly referred to as a Precision Lethality MK-82, or PL MK-82. \$...

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
<i>(Uncategorized)</i>					281.748			237.037			168.557			17.385			185.942
BLU-109 IM	P40A	A	-	-	1.903	-	-	3.069	-	-	0.000	-	-	0.000	-	-	0.000
BLU-109 LWIP	P40A	A	-	-	3.705	-	-	3.900	-	-	2.000	-	-	0.000	-	-	2.000
BLU-122 IM	P40A	A	-	-	4.607	-	-	4.900	-	-	3.019	-	-	0.000	-	-	3.019
BLU-126/B LCDB (ED01)	P40A	A	-	-	0.000	-	-	0.188	-	-	0.000	-	-	0.000	-	-	0.000
BOMB BLU-122/B (EC60)	P40A	A	20.941	220	4.607	21.277	141	3.000	-	-	0.000	-	-	0.000	-	-	0.000
CLC GENERAL PURPOSE BOMBS (BLU-129b VERY LOW COLLATERAL DAMAGE WEAPON)	P5, P5A		-	-	31.000	-	-	0.000	-	-	0.000	-	-	0.000	0.000	-	0.000
CUP NOSESUPPORT MK81,82,83,84 (FW26)	P40A	A	0.009	1,882	0.017	0.009	5,914	0.054	-	-	0.000	0.009	434	0.004	0.009	434	0.004
FIN ASSY BSU-33B/B (F782)	P40A	A	0.093	53,559	4.966	0.123	31,060	3.809	0.125	28,102	3.508	0.125	120	0.015	0.125	28,222	3.523
FIN ASSY MK 84 (F607)	P40A	A	0.326	13,193	4.303	0.430	5,270	2.268	-	-	0.000	-	-	0.000	-	-	0.000
	P40A	A	11.001	5,381	59.195	10.999	5,398	59.375	11.159	3,056	34.101	11.137	153	1.704	11.158	3,209	35.805

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 13 : Bombs

**P-1 Line Item Nomenclature:**  
4 - GENERAL PURPOSE BOMBS (OVERVIEW)

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
GBU-10/12 - PAVEWAY COMPUTER CONTROL GROUP																	
GBU-28 D/B	P40A	A	-	-	4.458	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - (ED49)	P5		-	-	57.645	-	-	58.961	-	-	78.171	-	-	0.000	0.000	-	78.171
GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB - ED41)	P5		-	-	9.629	-	-	5.878	-	-	0.000	-	-	0.000	0.000	-	0.000
GENERAL PURPOSE BOMBS (BLU-111A/B 500LB IM FILL) ED15	P5		-	-	28.407	-	-	20.884	-	-	12.621	-	-	9.334	0.000	-	21.955
GENERAL PURPOSE BOMBS (BLU-117 2000 LB GP BOMB - ED09)	P5		-	-	33.606	-	-	34.231	-	-	6.750	-	-	5.506	0.000	-	12.256
GENERAL PURPOSE BOMBS (BLU-121 B/B GP BOMB (ED44))	P5		-	-	8.372	-	-	8.423	-	-	8.460	-	-	0.000	0.000	-	8.460
GENERAL PURPOSE BOMBS (MXU-651/ B FIN ASSEMBLY - EC31)	P5		-	-	0.000	-	-	0.000	-	-	7.352	-	-	0.000	0.000	-	7.352
GP BOMB IM PRODUCTION ENGINEERING	P40A	A	-	-	2.849	-	-	4.900	-	-	4.900	-	-	0.000	-	-	4.900
LANYARD (EA99)	P40A	A	0.015	1,234	0.019	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
	P40A	A	0.018	897	0.016	0.018	1,108	0.020	-	-	0.000	-	-	0.000	-	-	0.000

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 13 : Bombs

**P-1 Line Item Nomenclature:**  
 4 - GENERAL PURPOSE BOMBS (OVERVIEW)

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

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	<b>Exhibits</b>	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
LANYARD ASSY BOMB (EA67)																
MCAPP (McAlester, OK)	P40A	-	-	2.400	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
MXU-650/B KIT, FIN ASBLY, BOMB (EC32/EC29)	P40A	0.004	5,011K	20.044	0.004	5,794K	23.177	0.004	1,919K	7.675	0.004	205,500	0.822	0.004	2,124K	8.497
<b>Total</b>				281.748			237.037			168.557			17.385			185.942

**Remarks:**  
 The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel 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.

FY2012 OCO funding request replenishes WRM munitions expended in support of combat operations in OEF.

PEs associated with this P-1 Line are: 0208030F, 0207599F

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13		<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)			<b>Aggregated Item Name:</b> GENERAL PURPOSE BOMBS (MAU 209C/B - ED58)	
<i>(\$ in Millions, Unit \$ in Thousands, Quantity in Each)</i>	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		59.195	59.375	34.101	1.704	35.805
GBU-10/12 - PAVEWAY COMPUTER CONTROL GROUP	A	59.195	59.375	34.101	1.704	35.805
Quantity		5,381	5,398	3,056	153	3,209
Unit Cost		11.001	10.999	11.159	11.137	11.158
<b>Total</b>		<b>59.195</b>	<b>59.375</b>	<b>34.101</b>	<b>1.704</b>	<b>35.805</b>

**Remarks:**

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**Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)	<b>Aggregated Item Name:</b> GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY - EC32)
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(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		20.044	23.177	7.675	0.822	8.497
MXU-650/B KIT, FIN ASBLY, BOMB (EC32/EC29)	A	20.044	23.177	7.675	0.822	8.497
Quantity		5,011K	5,794K	1,919K	205,500	2,124K
Unit Cost		0.004	0.004	0.004	0.004	0.004
<b>Total</b>		<b>20.044</b>	<b>23.177</b>	<b>7.675</b>	<b>0.822</b>	<b>8.497</b>

**Remarks:**

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 13		P-1 Line Item Nomenclature: 4 - GENERAL PURPOSE BOMBS (OVERVIEW)			Aggregated Item Name: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		33.850	26.108	13.427	0.019	13.446
LANYARD ASSY BOMB (EA67)	A	0.016	0.020	0.000	0.000	0.000
Quantity		897	1,108	-	-	-
Unit Cost		0.018	0.018	-	-	-
LANYARD (EA99)	A	0.019	0.000	0.000	0.000	0.000
Quantity		1,234	-	-	-	-
Unit Cost		0.015	-	-	-	-
BOMB BLU-122/B (EC60)	A	4.607	3.000	0.000	0.000	0.000
Quantity		220	141	-	-	-
Unit Cost		20.941	21.277	-	-	-
FIN ASSY MK 84 (F607)	A	4.303	2.268	0.000	0.000	0.000
Quantity		13,193	5,270	-	-	-
Unit Cost		0.326	0.430	-	-	-
BLU-126/B LCDB (ED01)	A	0.000	0.188	0.000	0.000	0.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
FIN ASSY BSU-33B/B (F782)	A	4.966	3.809	3.508	0.015	3.523
Quantity		53,559	31,060	28,102	120	28,222
Unit Cost		0.093	0.123	0.125	0.125	0.125
CUP NOSESUPPORT MK81,82,83,84 (FW26)	A	0.017	0.054	0.000	0.004	0.004
Quantity		1,882	5,914	-	434	434
Unit Cost		0.009	0.009	-	0.009	0.009
GBU-28 D/B	A	4.458	0.000	0.000	0.000	0.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
BLU-109 IM	A	1.903	3.069	0.000	0.000	0.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
BLU-109 LWIP	A	3.705	3.900	2.000	0.000	2.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13		<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)			<b>Aggregated Item Name:</b> GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
BLU-122 IM	A	4.607	4.900	3.019	0.000	3.019
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
GP BOMB IM PRODUCTION ENGINEERING	A	2.849	4.900	4.900	0.000	4.900
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
MCAPP (McAlester, OK)	A	2.400	0.000	0.000	0.000	0.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
<b>Total</b>		<b>33.850</b>	<b>26.108</b>	<b>13.427</b>	<b>0.019</b>	<b>13.446</b>

**Remarks:**

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<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>												<b>Date:</b> February 2011							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13						<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)						<b>Item Nomenclature:</b> GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - (ED49))							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
BLU-109 2000LB HARD TARGET - ED49	A	-	-	-	35.430	1,627	57.645	27.720	2,127	58.961	55.323	1,413	78.171	-	-	0.000	55.323	1,413	78.171
LOAD, ASSEMBLE, PACK	A	-	-	-	5.203	1,627	8.465	6.283	2,127	13.365	6.399	1,413	9.042	-	-	0.000	6.399	1,413	9.042
BOMB BODY, 2000LB BLU-109/B	A	-	-	-	18.285	1,707	31.212	16.562	2,170	35.940	18.761	2,237	41.968	-	-	0.000	18.761	2,237	41.968
CONTAINER, CNU-417/E	A	-	-	-	2.432	755	1.836	2.189	1,074	2.351	2.481	819	2.032	-	-	0.000	2.481	819	2.032
CXM-AF-5	A	-	-	-	0.022	745,868	16.066	0.021	348,818	7.231	0.022	1,125K	25.087	-	-	0.000	0.022	1,125K	25.087
RECEIPT OF GFM MATERIAL FOR 2000LB BOMB	A	-	-	-	0.016	1,717	0.028	0.017	2,170	0.036	0.020	1,782	0.035	-	-	0.000	0.020	1,782	0.035
PRODUCTION ENGINEERING	A	-	-	-	-	-	0.035	-	-	0.031	-	-	0.004	-	-	0.000	-	-	0.004
QUALITY ASSURANCE	A	-	-	-	-	-	0.003	-	-	0.007	-	-	0.003	-	-	0.000	-	-	0.003
Gross/Weapon System Cost		-	-	0.000	-	-	57.645	-	-	58.961	-	-	78.171	-	-	0.000	-	-	78.171
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	57.645	-	-	58.961	-	-	78.171	-	-	0.000	0.000	-	78.171
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	57.645	-	-	58.961	-	-	78.171	-	-	0.000	0.000	-	78.171
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>												<b>Date:</b> February 2011							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13						<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)						<b>Item Nomenclature:</b> GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB - ED41)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
BLU-110/B - ED41	A	-	-	-	8.051	1,196	9.629	11.571	508	5.878	-	-	0.000	-	-	0.000	-	-	0.000
LOAD, ASSEMBLE, PACK	A	-	-	-	1.528	1,196	1.827	1.492	508	0.758	-	-	0.000	-	-	0.000	-	-	0.000
RECEIPT OF GFM	A	-	-	-	0.017	1,221	0.021	0.017	518	0.009	-	-	0.000	-	-	0.000	-	-	0.000
BOMB BODY BLU-110B/ B	A	-	-	-	2.627	1,221	3.208	2.954	518	1.530	-	-	0.000	-	-	0.000	-	-	0.000
LUG SUSPENSION MS3314	A	-	-	-	0.021	2,418	0.051	0.020	1,026	0.021	-	-	0.000	-	-	0.000	-	-	0.000
CXM-7 (LB)	A	-	-	-	0.013	319,631	4.219	0.018	186,436	3.402	-	-	0.000	-	-	0.000	-	-	0.000
PALLET MHU-187	A	-	-	-	0.631	406	0.256	0.575	174	0.100	-	-	0.000	-	-	0.000	-	-	0.000
PRODUCTION ENGINEERING	A	-	-	-	-	-	0.040	-	-	0.052	-	-	0.000	-	-	0.000	-	-	0.000
QUALITY ASSURANCE	A	-	-	-	-	-	0.007	-	-	0.006	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost		-	-	0.000	-	-	9.629	-	-	5.878	-	-	0.000	-	-	0.000	-	-	0.000
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	9.629	-	-	5.878	-	-	0.000	-	-	0.000	0.000	-	0.000
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	9.629	-	-	5.878	-	-	0.000	-	-	0.000	0.000	-	0.000
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

**UNCLASSIFIED**



**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>												<b>Date:</b> February 2011							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13						<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)						<b>Item Nomenclature:</b> GENERAL PURPOSE BOMBS (MXU-651/B FIN ASSEMBLY - EC31)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
MXU-651/B FIN ASSEMBLY - EC31	A	-	-	-	-	-	-	-	-	-	5.130	1,433	7.352	-	-	0.000	5.130	1,433	7.352
Gross/Weapon System Cost		-	-	0.000	-	-	0.000	-	-	0.000	-	-	7.352	-	-	0.000	-	-	7.352
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	0.000	-	-	0.000	-	-	7.352	-	-	0.000	0.000	-	7.352
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	0.000	-	-	0.000	-	-	7.352	-	-	0.000	0.000	-	7.352
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>												<b>Date:</b> February 2011							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13						<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)						<b>Item Nomenclature:</b> CLC GENERAL PURPOSE BOMBS (BLU-129b VERY LOW COLLATERAL DAMAGE WEAPON)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
† Very Low Collateral Damage Weapon	A	-	-	-	77.500	400	31.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost		-	-	0.000	-	-	31.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	31.000	-	-	0.000	-	-	0.000	-	-	0.000	0.000	-	0.000
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Obligation Authority</b>		-	-	0.000	-	-	31.000	-	-	0.000	-	-	0.000	-	-	0.000	0.000	-	0.000
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F / BA 1 / BSA 13

**P-1 Line Item Nomenclature:**  
4 - GENERAL PURPOSE BOMBS (OVERVIEW)

**Item Nomenclature:**  
CLC GENERAL PURPOSE BOMBS  
(BLU-129b VERY LOW COLLATERAL  
DAMAGE WEAPON)

<b>Contract Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Contract Method and Type</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost</b>	<b>Specs Avail Now?</b>	<b>Date Revsn Avail</b>	<b>RFP Issue Date</b>
Very Low Collateral Damage Weapon		2010	Aerojet / Sacramento, CA	SS / FFP	Sacramento, CA	Jan 2011	Apr 2011	400	77.500	Y		

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>												<b>Date:</b> February 2011								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13						<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)						<b>Item Nomenclature:</b> GENERAL PURPOSE BOMBS (BLU-111A/B 500LB IM FILL) ED15								

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
BLU-111A/B 500LB IM FILL - ED15	A	-	-	-	4.324	6,570	28.407	5.431	3,845	20.884	3.927	3,214	12.621	6.006	1,554	9.334	4.605	4,768	21.955
LOAD, ASSEMBLE, PACK (LAP)	A	-	-	-	0.774	6,570	5.088	0.789	3,845	3.033	0.813	3,214	2.615	0.813	1,554	1.264	0.813	4,768	3.879
LUG SUSP ACFT ORD MS3314	A	-	-	-	0.021	13,272	0.281	0.021	7,767	0.164	0.024	6,494	0.153	0.024	3,153	0.074	0.024	9,647	0.228
BOMB BODY 500 LB MK82 MOD 6 IM	A	-	-	-	1.495	6,702	10.019	1.861	3,922	7.298	1.894	2,067	3.915	1.894	1,921	3.639	1.894	3,988	7.554
CXM-7	A	-	-	-	0.013	959,170	12.661	0.018	561,511	10.247	0.019	305,609	5.675	0.019	226,920	4.214	0.019	532,529	9.889
PALLET MHU-122/E	A	-	-	-	0.000	-	0.000	0.000	-	0.000	0.154	741	0.114	0.154	580	0.089	0.154	1,321	0.204
PALLET MHU-149/E	A	-	-	-	0.156	1,322	0.206	0.000	-	0.000	0.000	-	0.000	0.000	-	0.000	0.000	-	0.000
PALLET INSPECTION, MHU-149/E	A	-	-	-	0.099	1,118	0.111	0.101	654	0.066	0.144	547	0.079	0.144	263	0.038	0.144	810	0.116
RECEIPT BOMB MK82-1 500LB	A	-	-	-	0.005	6,704	0.032	0.004	3,923	0.016	0.010	3,279	0.033	0.010	1,564	0.016	0.010	4,843	0.049
PRODUCTION ENGINEERING	A	-	-	-	-	-	0.000	-	-	0.057	-	-	0.034	-	-	0.000	-	-	0.034
QUALITY ASSURANCE	A	-	-	-	-	-	0.009	-	-	0.003	-	-	0.003	-	-	0.000	-	-	0.003
Gross/Weapon System Cost		-	-	0.000	-	-	28.407	-	-	20.884	-	-	12.621	-	-	9.334	-	-	21.955
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	28.407	-	-	20.884	-	-	12.621	-	-	9.334	0.000	-	21.955
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	28.407	-	-	20.884	-	-	12.621	-	-	9.334	0.000	-	21.955
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>												<b>Date:</b> February 2011							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13						<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)						<b>Item Nomenclature:</b> GENERAL PURPOSE BOMBS (BLU-117 2000 LB GP BOMB - ED09)							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
BLU-117B/B GP BOMB - ED09	A	-	-	-	15.988	2,102	33.606	20.834	1,643	34.231	22.500	300	6.750	21.763	253	5.506	22.163	553	12.256
LOAD, ASSEMBLE, PACK	A	-	-	-	3.312	2,102	6.962	3.341	1,643	5.489	3.937	300	1.181	3.951	253	1.000	3.944	553	2.181
LUG SUSP ACFT ORD MK3-0	A	-	-	-	0.048	4,246	0.204	0.053	3,317	0.177	0.060	606	0.037	0.060	512	0.031	0.060	1,118	0.068
BOMB BODY 2000LB MK84 MOD 10 IM	A	-	-	-	3.207	2,207	7.079	4.996	1,675	8.368	5.086	306	1.556	5.082	259	1.316	5.084	565	2.873
CXM-AF7	A	-	-	-	0.014	1,366K	18.472	0.018	1,068K	19.489	0.019	195,118	3.623	0.019	164,461	3.054	0.019	359,579	6.677
PALLET MK79-1	A	-	-	-	0.729	1,061	0.773	0.699	831	0.581	0.785	151	0.118	0.786	128	0.101	0.785	279	0.219
RECEIPT BOMB MK84-4 2000LB MOD 10 IM	A	-	-	-	0.015	518	0.008	0.015	1,676	0.025	0.018	306	0.005	0.018	259	0.005	0.018	565	0.010
RECEIPT BOMB MK84-4 TRIT THERM AR	A	-	-	-	0.015	1,626	0.024	0.000	-	0.000	0.000	-	0.000	0.000	-	0.000	0.000	-	0.000
PRODUCTION ENGINEERING	A	-	-	-	-	-	0.070	-	-	0.099	-	-	0.225	-	-	0.000	-	-	0.225
QUALITY ASSURANCE	A	-	-	-	-	-	0.013	-	-	0.003	-	-	0.003	-	-	0.000	-	-	0.003
Gross/Weapon System Cost		-	-	0.000	-	-	33.606	-	-	34.231	-	-	6.750	-	-	5.506	-	-	12.256
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	33.606	-	-	34.231	-	-	6.750	-	-	5.506	0.000	-	12.256
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	33.606	-	-	34.231	-	-	6.750	-	-	5.506	0.000	-	12.256
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-5, Cost Analysis : PB 2012 Air Force</b>													<b>Date:</b> February 2011						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13						<b>P-1 Line Item Nomenclature:</b> 4 - GENERAL PURPOSE BOMBS (OVERVIEW)						<b>Item Nomenclature:</b> GENERAL PURPOSE BOMBS (BLU-121 B/B GP BOMB (ED44))							

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
LOAD ASSEMBLE & PACK	A	-	-	-	8.404	89	0.748	8.667	96	0.832	8.701	97	0.844	-	-	0.000	8.701	97	0.844
BLU-121 BOMB BODY	A	-	-	-	72.225	89	6.428	66.229	96	6.358	66.216	97	6.423	-	-	0.000	66.216	97	6.423
AFX-757 (LB)	A	-	-	-	0.008	87,400	0.721	0.008	88,320	0.733	0.008	86,595	0.693	-	-	0.000	0.008	86,595	0.693
ENGINEERING CHANGE ORDERS	A	-	-	-	-	-	0.050	-	-	0.050	-	-	0.050	-	-	0.000	-	-	0.050
DIRECT MISSION SUPPORT	A	-	-	-	-	-	0.425	-	-	0.450	-	-	0.450	-	-	0.000	-	-	0.450
Gross/Weapon System Cost		-	-	0.000	-	-	8.372	-	-	8.423	-	-	8.460	-	-	0.000	-	-	8.460
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	8.372	-	-	8.423	-	-	8.460	-	-	0.000	0.000	-	8.460
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Obligation Authority</b>		-	-	0.000	-	-	8.372	-	-	8.423	-	-	8.460	-	-	0.000	0.000	-	8.460
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 13 : Bombs

**P-1 Line Item Nomenclature:**  
5 - JOINT DIRECT ATTACK MUNITION

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	131,410	7,517	9,331	3,250	1,338	4,588	3,250	3,100	3,000	3,000	-	165,196
Gross/Weapon System Cost (\$ in Millions)	2,960.056	190.357	252.633	76.649	34.100	110.749	100.018	102.118	103.935	105.213	0.000	3,925.079
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	2,960.056	190.357	252.633	76.649	34.100	110.749	100.018	102.118	103.935	105.213	0.000	3,925.079
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Obligation Authority (\$ in Millions)	2,960.056	190.357	252.633	76.649	34.100	110.749	100.018	102.118	103.935	105.213	0.000	3,925.079
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	22.525	25.324	27.075	23.584	25.486	24.139	30.775	32.941	34.645	35.071	-	23.760
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Totals include funding for PRCP Program Number 503, JDAM.

FY2010 Funding totals include \$97.978M appropriated for Overseas Contingency Operations.

FY2011 Funding totals include \$147.991M appropriated 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-84, BLU-109/B, MK-82 and MK-83) 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-16C/D, 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.

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(Uncategorized)				190.357			252.633			76.649			34.100			110.749
JOINT DIRECT ATTACK MUNITION	P5, P5A, P21	25.324	7,517	190.357	27.075	9,331	252.633	23.584	3,250	76.649	25.486	1,338	34.100	24.139	4,588	110.749
Total				190.357			252.633			76.649			34.100			110.749

**UNCLASSIFIED**

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force</b>		<b>Date:</b> February 2011
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 13 : Bombs		<b>P-1 Line Item Nomenclature:</b> 5 - JOINT DIRECT ATTACK MUNITION
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Related Program Elements:</b>	

**Remarks:**  
The JDAM contract option for FY2012 requires a minimum of 3,250 JDAM tailkits. Funding below that level will require the contract be renegotiated with the potential of increased unit costs and additional production lead times due to negotiation schedules.



**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:** 3011F / BA 1 / BSA 13 **P-1 Line Item Nomenclature:**  
5 - JOINT DIRECT ATTACK MUNITION **Item Nomenclature:**  
JOINT DIRECT ATTACK MUNITION

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
† AIRFRAME	A	21.035	131,410	2,764.237	22.552	7,517	169.520	25.414	9,331	237.140	18.992	3,250	61.723	25.223	1,338	33.748	20.809	4,588	95.471
ENGINEERING CHANGE ORDERS	A	-	-	0.000	-	-	0.000	-	-	1.248	-	-	1.268	-	-	0.000	-	-	1.268
CONTRACTOR INCENTIVE	A	-	-	28.416	-	-	1.718	-	-	2.371	-	-	0.610	-	-	0.352	-	-	0.962
Test Equipment (CMBRE)	A	-	-	7.535	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
† AIRBORNE TEST EQUIPMENT	A	-	-	38.555	46.269	119	5.506	34.892	120	4.187	35.463	121	4.291	-	-	0.000	35.463	121	4.291
Data	A	-	-	0.060	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
PROGRAM MANAGEMENT ADMINISTRATION/Direct MISSION SUPPORT	A	-	-	31.082	-	-	2.148	-	-	1.862	-	-	1.893	-	-	0.000	-	-	1.893
ALTERNATE DISPUTE RESOLUTION	A	-	-	0.790	-	-	0.050	-	-	0.052	-	-	0.053	-	-	0.000	-	-	0.053
System Test Evaluation	A	-	-	0.222	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Training	A	-	-	3.791	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
PRODUCTION SUSTAINING ENGINEERING	A	-	-	81.658	-	-	11.415	-	-	5.773	-	-	6.811	-	-	0.000	-	-	6.811
Delivery Acceleration	A	-	-	2.753	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Seek Eagle	A	-	-	0.957	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost		-	-	2,960.056	-	-	190.357	-	-	252.633	-	-	76.649	-	-	34.100	-	-	110.749
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		22.525	131,410	2,960.056	25.324	7,517	190.357	27.075	9,331	252.633	23.584	3,250	76.649	25.486	1,338	34.100	24.139	4,588	110.749
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		22.525	131,410	2,960.056	25.324	7,517	190.357	27.075	9,331	252.633	23.584	3,250	76.649	25.486	1,338	34.100	24.139	4,588	110.749
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks:

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**Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 5 - JOINT DIRECT ATTACK MUNITION	<b>Item Nomenclature:</b> JOINT DIRECT ATTACK MUNITION
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AIRFRAME		2010	BOEING / ST CHARLES, MO <sup>(1)</sup>	SS / FFP	ST CHARLES, MO	Oct 2009	Apr 2011	7,517	22.552	Y		Apr 2007
AIRFRAME		2011	BOEING / ST CHARLES, MO <sup>(1)</sup>	SS / FFP	ST CHARLES, MO	Jan 2011	Apr 2012	9,331	25.414	Y		Apr 2007
AIRFRAME		2012	BOEING / ST CHARLES, MO <sup>(1)</sup>	SS / FFP	ST CHARLES, MO	Dec 2011	Apr 2013	3,250	18.994	Y		Apr 2007
AIRFRAME	Y	2012	BOEING / ST CHARLES, MO <sup>(1)</sup>	SS / FFP	ST CHARLES, MO	Dec 2011	Apr 2013	1,338	25.223	Y		Apr 2007
AIRBORNE TEST EQUIPMENT		2010	BOEING / ST CHARLES, MO	SS / FFP	ST CHARLES, MO	Jul 2010	Aug 2011	119	46.269	Y		
AIRBORNE TEST EQUIPMENT		2011	BOEING / ST CHARLES, MO	SS / FFP	ST CHARLES, MO	Jul 2011	Aug 2012	120	34.892	Y		
AIRBORNE TEST EQUIPMENT		2012	BOEING / ST CHARLES, MO	SS / FFP	ST CHARLES, MO	Jul 2012	Aug 2013	121	35.463	Y		

**Remarks:**

The FY2010 Airborne Test Equipment (TM) budget includes \$2,000,000 for encryption chip rehost non-recurring, which makes the unit price appear higher.

<sup>(1)</sup>FY 2008 OCO funding was received late in the fiscal year and awarded with the FY2009 contract. This caused deliveries to occur in March and April 2011.

FY 2009 OCO funding was recieved late in the fiscal year and awarded with the FY2010 contract. This caused deliveries to occur in June thru September FY2011.



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**Exhibit P-21, Budget Production Schedule : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:** 3011F / BA 1 / BSA 13 **P-1 Line Item Nomenclature:** 5 - JOINT DIRECT ATTACK MUNITION **Item Nomenclature:** JOINT DIRECT ATTACK MUNITION

COST ELEMENTS Units in Thousands							Fiscal Year 2012													Fiscal Year 2013												Later
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2012													Calendar Year 2013												
							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		
AIRFRAME																																
	1	2010	AF	7.517	1.097	6.42	1.1	1.1	.95	1.085	1.1	1.056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.029			
	1	2011	AF	9.331	-	9.331	-	-	-	-	-	.65	.65	.884	.798	.798	.898	.848	.848	.847	.915	.858	.337	-	-	-	-	-	-			
	1	2012	AF	3.25	-	3.25	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.345	.345	.345	.345	.12	.122	1.628			
x	1	2012	AF	1.338	-	1.338	-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.188	.188	.962			
							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, Budget Production Schedule : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 13	<b>P-1 Line Item Nomenclature:</b> 5 - JOINT DIRECT ATTACK MUNITION	<b>Item Nomenclature:</b> JOINT DIRECT ATTACK MUNITION
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COST ELEMENTS Units in Thousands							Fiscal Year 2014													Fiscal Year 2015												Later
OCO	MFR Ref #	FY	SERV	PROC QTY	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015												
							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		
AIRFRAME																																
	1	2010	AF	7.517	7.488	.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.029		
	1	2011	AF	9.331	9.331	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	1	2012	AF	3.25	1.622	1.628	.122	.122	.12	.072	.072	.183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.937		
x	1	2012	AF	1.338	.376	.962	.188	.188	.183	.188	.188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.027		
							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		

MFR Ref #	MFR Name - Location	PRODUCTION RATES (Units/Year)			PROCUREMENT LEAD TIME (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total
1	BOEING - ST CHARLES, MO	3.492	15.84	16.8	3	3	17	20	0	0	0	0

Remarks:

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
6 - CAD/PAD

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	40.427	37.016	42.410	0.000	42.410	41.089	41.829	42.582	43.349	0.000	288.702
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	40.427	37.016	42.410	0.000	42.410	41.089	41.829	42.582	43.349	0.000	288.702
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Obligation Authority (\$ in Millions)	0.000	40.427	37.016	42.410	0.000	42.410	41.089	41.829	42.582	43.349	0.000	288.702
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD), such as gas generators, initiators, time-delay cartridges, Shield Mild-Detonating Cord (SMDC), rocket motors, rocket catapults, etc are used on aircraft fire-suppression, emergency-release and aircrew-escape/ejection systems. These explosive devices have finite lives and are replaced during scheduled aircraft maintenance. Life-support devices such as the Universal Water Activated Release System (UWARS) and parachute-release cartridges are essential to aircrew survival after ejection and are included in the CAD/PAD category. Aircraft operational availability is directly impacted if replacement CAD/PAD assets are not available to meet specific "time-change" requirements as based on life-expiration of the installed devices.

Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
<i>(Uncategorized)</i>				40.427		37.016		42.410		0.000			42.410			42.410
BOMBER AIRCRAFT	P40A	-	-	8.358	-	-	8.525	-	-	7.200	-	-	0.000	-	-	7.200
CARGO AIRCRAFT	P40A	-	-	4.774	-	-	4.869	-	-	4.700	-	-	0.000	-	-	4.700
COMMON EGRESS ITEMS	P40A	-	-	2.065	-	-	2.106	-	-	2.250	-	-	0.000	-	-	2.250
COMMON LIFE SUPPORT ITEMS	P40A	-	-	2.065	-	-	2.106	-	-	2.250	-	-	0.000	-	-	2.250

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
 6 - CAD/PAD

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

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
COMMON MISC ITEMS	P40A	-	-	2.149	-	-	2.191	-	-	2.300	-	-	0.000	-	-	2.300
FIGHTER AIRCRAFT	P40A	-	-	8.052	-	-	6.309	-	-	6.500	-	-	0.000	-	-	6.500
TRAINING AIRCRAFT	P40A	-	-	12.964	-	-	10.910	-	-	17.210	-	-	0.000	-	-	17.210
<b>Total</b>				40.427			37.016			42.410			0.000			42.410

**Remarks:**  
 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 WRM stockpiles as required and receive test and training allocations annually based on current-year requirements.

PE associated with this P-1 Line is: 0708070F

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.

PE associated with this P-1 Line is: 0708070F

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 15		P-1 Line Item Nomenclature: 6 - CAD/PAD			Aggregated Item Name: CAD/PAD	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		40.427	37.016	42.410	0.000	42.410
BOMBER AIRCRAFT	A	8.358	8.525	7.200	0.000	7.200
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
CARGO AIRCRAFT	A	4.774	4.869	4.700	0.000	4.700
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
FIGHTER AIRCRAFT	A	8.052	6.309	6.500	0.000	6.500
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
TRAINING AIRCRAFT	A	12.964	10.910	17.210	0.000	17.210
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
COMMON EGRESS ITEMS	A	2.065	2.106	2.250	0.000	2.250
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
COMMON LIFE SUPPORT ITEMS	A	2.065	2.106	2.250	0.000	2.250
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
COMMON MISC ITEMS	A	2.149	2.191	2.300	0.000	2.300
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
<b>Total</b>		<b>40.427</b>	<b>37.016</b>	<b>42.410</b>	<b>0.000</b>	<b>42.410</b>
<b>Remarks:</b>						



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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
7 - EXPLOSIVES ORDNANCE DISPOSAL (EOD)

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	8.083	3.383	3.119	1.200	4.319	3.174	3.231	3.288	3.346	0.000	28.824
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	8.083	3.383	3.119	1.200	4.319	3.174	3.231	3.288	3.346	0.000	28.824
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Obligation Authority (\$ in Millions)	0.000	8.083	3.383	3.119	1.200	4.319	3.174	3.231	3.288	3.346	0.000	28.824
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY2010 funding includes \$4.8M of appropriated Overseas Contingency Operations supplemental funding.

Projected test and training allocations for Reserve Component Requirements based on FY2010 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority):

\$M FY2010 FY2011 FY2012 FY2013 FY2014 FY2015 FY2016

ANG: \$2.300 \$0.962 \$0.889 \$0.905 \$0.921 \$0.937 \$0.954

AFR: \$0.645 \$0.270 \$0.249 \$0.254 \$0.258 \$0.263 \$0.268

Representative items requested in FY2011 are identified on the following P-40A. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total			
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	
(Uncategorized)				8.083			3.383			3.119			1.200			4.319	
(A606) - 50 CAL API	P40A	A	-	-	0.000	-	-	0.000	0.014	726	0.010	-	-	0.000	0.014	726	0.010

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
 7 - EXPLOSIVES ORDNANCE DISPOSAL (EOD)

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(AA63) - MK275 AVON	P40A	A	-	-	0.000	-	-	0.000	0.005	988	0.005	-	-	0.000	0.005	988	0.005
(AA64) - MK276 POPPER (AA64)	P40A	A	0.001	2,083	0.002	-	-	0.000	0.001	1,869	0.002	-	-	0.000	0.001	1,869	0.002
(AA66) - MEDIUM VELOCITY BLANK	P40A	A	-	-	0.000	-	-	0.000	0.002	1,075	0.002	-	-	0.000	0.002	1,075	0.002
(DWEC) - ENHANCED BLANK, MK 277	P40A	A	-	-	0.000	-	-	0.000	0.004	1,666	0.006	-	-	0.000	0.004	1,666	0.006
(DWED) - STEEL SLUG, MK 279	P40A	A	-	-	0.000	-	-	0.000	0.006	529	0.003	-	-	0.000	0.006	529	0.003
(DWEE) - ALUMINUM SLUG, MK 280	P40A	A	0.004	831	0.003	0.004	750	0.003	0.008	376	0.003	-	-	0.000	0.008	376	0.003
(M023) - CHARGE, DEMOLITION C4-M112	P40A	A	0.031	24,350	0.750	0.424	2,356	1.000	0.020	39,081	0.800	0.020	58,622	1.200	0.020	97,703	2.000
(M032) - CHG DEMO TNT 1 LB	P40A	A	-	-	0.000	0.007	4,347	0.030	0.007	4,298	0.030	-	-	0.000	0.007	4,298	0.030
(M130) - CAP BLASTING ELECTRIC M6	P40A	A	-	-	0.000	0.004	5,524	0.020	1.000	20	0.020	-	-	0.000	1.000	20	0.020
(M456) - CORD ASBLY DETONATING	P40A	A	0.001	34,482	0.020	0.000	42,553	0.020	0.001	33,898	0.020	-	-	0.000	0.001	33,898	0.020
(M587) - DYNAMITE, NITRO GLYCERIN	P40A	A	0.002	1,388	0.003	0.002	436	0.001	0.002	427	0.001	-	-	0.000	0.002	427	0.001
(M670) - FUZE BLASTING TIME	P40A	A	0.001	76,923	0.050	0.000	174,418	0.075	0.000	197,368	0.075	-	-	0.000	0.000	197,368	0.075
(M757) - CHARGE ASBLY DEMO M183 COMP 4	P40A	A	1.099	273	0.300	0.870	747	0.650	2.011	270	0.543	-	-	0.000	2.011	270	0.543
(M980) - DETA SHEET	P40A	A	0.034	203	0.007	0.022	407	0.009	0.034	295	0.010	-	-	0.000	0.034	295	0.010
(ML47) - B CAP W/30 FT SHOCK TUBE	P40A	A	0.021	698	0.015	0.024	421	0.010	0.018	548	0.010	-	-	0.000	0.018	548	0.010

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
7 - EXPLOSIVES ORDNANCE DISPOSAL (EOD)

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(MM54) - EXPLOSIVE CUTTING TAPE	P40A	A	0.089	1,750	0.156	0.108	1,392	0.150	0.113	1,328	0.150	-	-	0.000	0.113	1,328	0.150
(MN07) - N/E 70FT DELAY SHOCK TUBE	P40A	A	0.016	1,875	0.030	0.018	833	0.015	0.018	833	0.015	-	-	0.000	0.018	833	0.015
(MN08) - IGNITER TIME BLASTING	P40A	A	0.007	5,698	0.040	0.012	3,311	0.040	0.016	2,575	0.040	-	-	0.000	0.016	2,575	0.040
(MN82) - SEMTEX A	P40A	A	0.017	2,088	0.036	0.017	2,030	0.035	0.017	2,030	0.035	-	-	0.000	0.017	2,030	0.035
(MN85) - DYNAMITE, 75% AMMON NITRATE	P40A	A	0.002	980	0.002	0.001	1,600	0.002	0.002	995	0.002	-	-	0.000	0.002	995	0.002
(MN88) - SHOCK TUBE W/BLASTING CAP 500	P40A	A	0.049	1,840	0.090	0.107	932	0.100	0.047	1,923	0.090	-	-	0.000	0.047	1,923	0.090
(MN90) - M-13 1,000 FT SHOCK TUBE W/ CAP M23	P40A	A	0.056	1,599	0.090	0.060	1,675	0.100	0.054	1,655	0.090	-	-	0.000	0.054	1,655	0.090
(MY77) - EXPLOSIVE WATER GEL	P40A	A	0.005	888	0.004	0.005	444	0.002	0.004	470	0.002	-	-	0.000	0.004	470	0.002
(YY34) - SHOCK TUBE	P40A	A	0.000	244,498	0.020	0.000	244,498	0.020	0.000	244,498	0.020	-	-	0.000	0.000	244,498	0.020
EMERGING REQUIREMENTS (UNIDENTIFIED)	P40A	A	218.000	1	0.218	142.000	1	0.142	175.000	1	0.175	-	-	0.000	175.000	1	0.175
HOOK & LINE	P40A	A	5.100	20	0.102	6.250	8	0.050	5.000	4	0.020	-	-	0.000	5.000	4	0.020
MINI MINE DETECTOR	P40A	A	-	-	0.000	-	-	0.000	5.000	6	0.030	-	-	0.000	5.000	6	0.030
MINI REMOTE FIRING DEVICE	P40A	A	34.000	6	0.204	40.000	10	0.400	50.000	8	0.400	-	-	0.000	50.000	8	0.400
MK 26 MOD 1	P40A	A	17.714	14	0.248	17.647	17	0.300	15.789	19	0.300	-	-	0.000	15.789	19	0.300
PORTABLE X-RAY SYSTEM	P40A	A	5.000	254	1.270	5.000	20	0.100	5.263	19	0.100	-	-	0.000	5.263	19	0.100
RT 4 N/L	P40A	A	18.668	235	4.387	19.800	5	0.099	25.000	4	0.100	-	-	0.000	25.000	4	0.100

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
 7 - EXPLOSIVES ORDNANCE DISPOSAL (EOD)

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

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	<b>Exhibits</b>	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
VEHICLE ACCESS KIT	P40A	3.000	12	0.036	3.333	3	0.010	3.333	3	0.010	-	-	0.000	3.333	3	0.010
<b>Total</b>				8.083			3.383			3.119			1.200			4.319

**Remarks:**  
 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.

FY2012 OCO funding request replenishes WRM munitions expended in support of combat operations in OEF.

PE associated with this P-1 Line is: 0208028F

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 15		P-1 Line Item Nomenclature: 7 - EXPLOSIVES ORDNANCE DISPOSAL (EOD)			Aggregated Item Name: EXPLOSIVES ORDNANCE DISPOSAL (EOD)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		8.083	3.383	3.119	1.200	4.319
(A606) - 50 CAL API	A	0.000	0.000	0.010	0.000	0.010
Quantity		-	-	726	-	726
Unit Cost		-	-	0.014	-	0.014
(AA63) - MK275 AVON	A	0.000	0.000	0.005	0.000	0.005
Quantity		-	-	988	-	988
Unit Cost		-	-	0.005	-	0.005
(AA64) - MK276 POPPER (AA64)	A	0.002	0.000	0.002	0.000	0.002
Quantity		2,083	-	1,869	-	1,869
Unit Cost		0.001	-	0.001	-	0.001
(AA66) - MEDIUM VELOCITY BLANK	A	0.000	0.000	0.002	0.000	0.002
Quantity		-	-	1,075	-	1,075
Unit Cost		-	-	0.002	-	0.002
(DWEC) - ENHANCED BLANK, MK 277	A	0.000	0.000	0.006	0.000	0.006
Quantity		-	-	1,666	-	1,666
Unit Cost		-	-	0.004	-	0.004
(DWED) - STEEL SLUG, MK 279	A	0.000	0.000	0.003	0.000	0.003
Quantity		-	-	529	-	529
Unit Cost		-	-	0.006	-	0.006
(DWEE) - ALUMINUM SLUG, MK 280	A	0.003	0.003	0.003	0.000	0.003
Quantity		831	750	376	-	376
Unit Cost		0.004	0.004	0.008	-	0.008
(M023) - CHARGE, DEMOLITION C4-M112	A	0.750	1.000	0.800	1.200	2.000
Quantity		24,350	2,356	39,081	58,622	97,703
Unit Cost		0.031	0.424	0.020	0.020	0.020
(M032) - CHG DEMO TNT 1 LB	A	0.000	0.030	0.030	0.000	0.030
Quantity		-	4,347	4,298	-	4,298
Unit Cost		-	0.007	0.007	-	0.007
(M130) - CAP BLASTING ELECTRIC M6	A	0.000	0.020	0.020	0.000	0.020
Quantity		-	5,524	20	-	20
Unit Cost		-	0.004	1.000	-	1.000

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 15		P-1 Line Item Nomenclature: 7 - EXPLOSIVES ORDNANCE DISPOSAL (EOD)			Aggregated Item Name: EXPLOSIVES ORDNANCE DISPOSAL (EOD)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
(M587) - DYNAMITE, NITRO GLYCERIN	A	0.003	0.001	0.001	0.000	0.001
Quantity		1,388	436	427	-	427
Unit Cost		0.002	0.002	0.002	-	0.002
(M456) - CORD ASBLY DETONATING	A	0.020	0.020	0.020	0.000	0.020
Quantity		34,482	42,553	33,898	-	33,898
Unit Cost		0.001	0.000	0.001	-	0.001
(M670) - FUZE BLASTING TIME	A	0.050	0.075	0.075	0.000	0.075
Quantity		76,923	174,418	197,368	-	197,368
Unit Cost		0.001	0.000	0.000	-	0.000
(M757) - CHARGE ASBLY DEMO M183 COMP 4	A	0.300	0.650	0.543	0.000	0.543
Quantity		273	747	270	-	270
Unit Cost		1.099	0.870	2.011	-	2.011
(M980) - DETA SHEET	A	0.007	0.009	0.010	0.000	0.010
Quantity		203	407	295	-	295
Unit Cost		0.034	0.022	0.034	-	0.034
(ML47) - B CAP W/30 FT SHOCK TUBE	A	0.015	0.010	0.010	0.000	0.010
Quantity		698	421	548	-	548
Unit Cost		0.021	0.024	0.018	-	0.018
(MM54) - EXPLOSIVE CUTTING TAPE	A	0.156	0.150	0.150	0.000	0.150
Quantity		1,750	1,392	1,328	-	1,328
Unit Cost		0.089	0.108	0.113	-	0.113
(MN07) - N/E 70FT DELAY SHOCK TUBE	A	0.030	0.015	0.015	0.000	0.015
Quantity		1,875	833	833	-	833
Unit Cost		0.016	0.018	0.018	-	0.018
(MN08) - IGNITER TIME BLASTING	A	0.040	0.040	0.040	0.000	0.040
Quantity		5,698	3,311	2,575	-	2,575
Unit Cost		0.007	0.012	0.016	-	0.016
(MN82) - SEMTEX A	A	0.036	0.035	0.035	0.000	0.035
Quantity		2,088	2,030	2,030	-	2,030
Unit Cost		0.017	0.017	0.017	-	0.017
(MN85) - DYNAMITE, 75% AMMON NITRATE	A	0.002	0.002	0.002	0.000	0.002

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 15		P-1 Line Item Nomenclature: 7 - EXPLOSIVES ORDNANCE DISPOSAL (EOD)			Aggregated Item Name: EXPLOSIVES ORDNANCE DISPOSAL (EOD)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Quantity		980	1,600	995	-	995
Unit Cost		0.002	0.001	0.002	-	0.002
(MN88) - SHOCK TUBE W/BLASTING CAP 500	A	0.090	0.100	0.090	0.000	0.090
Quantity		1,840	932	1,923	-	1,923
Unit Cost		0.049	0.107	0.047	-	0.047
(MN90) - M-13 1,000 FT SHOCK TUBE W/CAP M23	A	0.090	0.100	0.090	0.000	0.090
Quantity		1,599	1,675	1,655	-	1,655
Unit Cost		0.056	0.060	0.054	-	0.054
(MY77) - EXPLOSIVE WATER GEL	A	0.004	0.002	0.002	0.000	0.002
Quantity		888	444	470	-	470
Unit Cost		0.005	0.005	0.004	-	0.004
(YY34) - SHOCK TUBE	A	0.020	0.020	0.020	0.000	0.020
Quantity		244,498	244,498	244,498	-	244,498
Unit Cost		0.000	0.000	0.000	-	0.000
HOOK & LINE	A	0.102	0.050	0.020	0.000	0.020
Quantity		20	8	4	-	4
Unit Cost		5.100	6.250	5.000	-	5.000
MINI MINE DETECTOR	A	0.000	0.000	0.030	0.000	0.030
Quantity		-	-	6	-	6
Unit Cost		-	-	5.000	-	5.000
MINI REMOTE FIRING DEVICE	A	0.204	0.400	0.400	0.000	0.400
Quantity		6	10	8	-	8
Unit Cost		34.000	40.000	50.000	-	50.000
MK 26 MOD 1	A	0.248	0.300	0.300	0.000	0.300
Quantity		14	17	19	-	19
Unit Cost		17.714	17.647	15.789	-	15.789
PORTABLE X-RAY SYSTEM	A	1.270	0.100	0.100	0.000	0.100
Quantity		254	20	19	-	19
Unit Cost		5.000	5.000	5.263	-	5.263
RT 4 N/L	A	4.387	0.099	0.100	0.000	0.100
Quantity		235	5	4	-	4

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**Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 7 - EXPLOSIVES ORDNANCE DISPOSAL (EOD)	<b>Aggregated Item Name:</b> EXPLOSIVES ORDNANCE DISPOSAL (EOD)
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(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Unit Cost		18.668	19.800	25.000	-	25.000
VEHICLE ACCESS KIT	A	0.036	0.010	0.010	0.000	0.010
Quantity		12	3	3	-	3
Unit Cost		3.000	3.333	3.333	-	3.333
EMERGING REQUIREMENTS (UNIDENTIFIED)	A	0.218	0.142	0.175	0.000	0.175
Quantity		1	1	1	-	1
Unit Cost		218.000	142.000	175.000	-	175.000
<b>Total</b>		<b>8.083</b>	<b>3.383</b>	<b>3.119</b>	<b>1.200</b>	<b>4.319</b>

**Remarks:**



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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
8 - SPARES AND REPAIR PARTS

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	1.000	1.000	0.998	0.000	0.998	0.998	0.499	0.499	0.508	0.000	5.502
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	1.000	1.000	0.998	0.000	0.998	0.998	0.499	0.499	0.508	0.000	5.502
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Obligation Authority (\$ in Millions)	0.000	1.000	1.000	0.998	0.000	0.998	0.998	0.499	0.499	0.508	0.000	5.502
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

This P-1 line funds spares and repair parts for Procurement of Ammunition, Air Force (PAAF) items. Initial spares consist of reparable components, assemblies and subassemblies, as well as consumable items required in support of newly fielded end items. Requirements are based on historical failure/demand data on similar items. Replenishment spares consist of reparable components, assemblies and subassemblies required for follow-on sustainment of end items. Munitions replenishment spare levels are based on item-specific failure/demand driven computations.

Items requested in FY2012 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force Mission requirements.

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(Uncategorized)				1.000			1.000			0.998			0.000			0.998
MISC. LOW COST INITIAL SPARES	P40A	-	-	1.000	-	-	1.000	-	-	0.998	-	-	0.000	-	-	0.998
<b>Total</b>				1.000			1.000			0.998			0.000			0.998

**Remarks:**

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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<b>Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force</b>		<b>Date:</b> February 2011
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B		<b>P-1 Line Item Nomenclature:</b> 8 - SPARES AND REPAIR PARTS
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Related Program Elements:</b>	
PEs associated with this P-1 Line are: 0207599F, 0208030F		

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15		<b>P-1 Line Item Nomenclature:</b> 8 - SPARES AND REPAIR PARTS			<b>Aggregated Item Name:</b> SPARES AND REPAIR PARTS	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		1.000	1.000	0.998	0.000	0.998
MISC. LOW COST INITIAL SPARES	A	1.000	1.000	0.998	0.000	0.998
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
<b>Total</b>		<b>1.000</b>	<b>1.000</b>	<b>0.998</b>	<b>0.000</b>	<b>0.998</b>

**Remarks:**

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
9 - MODIFICATIONS

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	1.286	1.112	1.132	0.000	1.132	1.157	1.182	1.206	1.288	0.000	8.363
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	1.286	1.112	1.132	0.000	1.132	1.157	1.182	1.206	1.288	0.000	8.363
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>1.286</b>	<b>1.112</b>	<b>1.132</b>	<b>0.000</b>	<b>1.132</b>	<b>1.157</b>	<b>1.182</b>	<b>1.206</b>	<b>1.288</b>	<b>0.000</b>	<b>8.363</b>
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**  
This budget line encompasses both new and on-going modification efforts for guided bomb and munitions systems. Permanent modifications consist of configuration changes to in-service systems and equipment which correct material/other deficiencies or add/delete capability. Safety modifications correct deficiencies which may create personnel, system or equipment hazards.

**Remarks:**  
The FY2012 funding request reflects estimated costs based on historical funding requirements and projected future requirements.

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
10 - ITEMS LESS THAN \$5 MILLION

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	5.049	5.015	5.075	0.000	5.075	5.039	5.129	5.219	5.314	0.000	35.840
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	5.049	5.015	5.075	0.000	5.075	5.039	5.129	5.219	5.314	0.000	35.840
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>5.049</b>	<b>5.015</b>	<b>5.075</b>	<b>0.000</b>	<b>5.075</b>	<b>5.039</b>	<b>5.129</b>	<b>5.219</b>	<b>5.314</b>	<b>0.000</b>	<b>35.840</b>
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

The program funding includes reductions for overhead efficiencies that are not intended to impact the current program. The efficiencies reductions total \$0.044M in FY2012.

Items requested in FY2012 are identified on the following P-40A and are representative of items to be procured.

Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.

Projected test and training allocations for reserve component requirements based on FY2010 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority):

\$M FY2010 FY2011 FY2012 FY2013 FY2014 FY2015 FY2016  
 ANG: \$0.612 \$0.608 \$0.616 \$0.612 \$0.623 \$0.633 \$0.645  
 AFG: \$0.206 \$0.204 \$0.207 \$0.206 \$0.209 \$0.213 \$0.217

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
<i>(Uncategorized)</i>				5.049			5.015			5.075			0.000			5.075
	P40A	-	-	0.000	0.337	445	0.150	0.545	220	0.120	-	-	0.000	0.545	220	0.120

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
10 - ITEMS LESS THAN \$5 MILLION

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(G878) FUZE, GRENADE HAND, PRAC																	
(G940) GRENADE, SMOKE, GREEN M18	P40A	A	0.057	22,359	1.269	0.502	3,105	1.560	0.511	2,104	1.076	-	-	0.000	0.511	2,104	1.076
(G945) GRENADE, SMOKE, YELLOW	P40A	A	0.560	2,447	1.370	0.610	2,458	1.500	0.518	2,066	1.071	-	-	0.000	0.518	2,066	1.071
(G950) GRENADE, SMOKE, RED	P40A	A	-	-	0.000	-	-	0.000	0.670	1,136	0.761	-	-	0.000	0.670	1,136	0.761
(G955) GRENADE, SMOKE, VIOLET M18	P40A	A	0.515	1,099	0.566	-	-	0.000	0.577	867	0.500	-	-	0.000	0.577	867	0.500
(GG04) GRENADE, NON-LETHAL MODEL 9590	P40A	A	-	-	0.000	0.307	830	0.255	0.310	193	0.060	-	-	0.000	0.311	193	0.060
(GG09) GRENADE, HAND NON-LETHAL	P40A	A	-	-	0.000	0.992	257	0.255	-	-	0.000	-	-	0.000	-	-	0.000
(KM01) PEPPER SPRAY, 2.1S	P40A	A	0.109	265	0.029	-	-	0.000	0.111	251	0.028	-	-	0.000	0.112	251	0.028
(KM02) PEPPER SPRAY, POCKET	P40A	A	0.909	15	0.014	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(L306) SIGNAL, ILLUM GROUND, RED STAR M158	P40A	A	0.466	646	0.301	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(L594) SIMULATOR, GROUND BURST M115A2	P40A	A	0.208	2,076	0.432	0.222	2,571	0.570	0.302	1,590	0.480	-	-	0.000	0.302	1,590	0.480
(L601) SIMULATOR, HAND GRENADE M116A1	P40A	A	0.167	2,264	0.379	-	-	0.000	0.205	1,220	0.250	-	-	0.000	0.205	1,220	0.250
NUCLEAR TRAINERS	P40A	A	-	-	0.689	-	-	0.725	-	-	0.729	-	-	0.000	-	-	0.729
<b>Total</b>					5.049			5.015			5.075			0.000			5.075

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<b>Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force</b>		<b>Date:</b> February 2011
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B		<b>P-1 Line Item Nomenclature:</b> 10 - ITEMS LESS THAN \$5 MILLION
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Related Program Elements:</b>	
<b>Remarks:</b> The Air Force procures munitions to maintain appropriate quantities in the War Reserve Materiel 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.  PEs associated with this P-1 Line are: 0207599F		

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 15		P-1 Line Item Nomenclature: 10 - ITEMS LESS THAN \$5 MILLION			Aggregated Item Name: ITEMS LESS THAN \$5 MILLION	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		5.049	5.015	5.075	0.000	5.075
(G878) FUZE, GRENADE HAND, PRAC	A	0.000	0.150	0.120	0.000	0.120
Quantity		-	445	220	-	220
Unit Cost		-	0.337	0.545	-	0.545
(G940) GRENADE, SMOKE, GREEN M18	A	1.269	1.560	1.076	0.000	1.076
Quantity		22,359	3,105	2,104	-	2,104
Unit Cost		0.057	0.502	0.511	-	0.511
(G945) GRENADE, SMOKE, YELLOW	A	1.370	1.500	1.071	0.000	1.071
Quantity		2,447	2,458	2,066	-	2,066
Unit Cost		0.560	0.610	0.518	-	0.518
(G950) GRENADE, SMOKE, RED	A	0.000	0.000	0.761	0.000	0.761
Quantity		-	-	1,136	-	1,136
Unit Cost		-	-	0.670	-	0.670
(G955) GRENADE, SMOKE, VIOLET M18	A	0.566	0.000	0.500	0.000	0.500
Quantity		1,099	-	867	-	867
Unit Cost		0.515	-	0.577	-	0.577
(GG04) GRENADE, NON-LETHAL MODEL 9590	A	0.000	0.255	0.060	0.000	0.060
Quantity		-	830	193	-	193
Unit Cost		-	0.307	0.310	-	0.311
(GG09) GRENADE, HAND NON-LETHAL	A	0.000	0.255	0.000	0.000	0.000
Quantity		-	257	-	-	-
Unit Cost		-	0.992	-	-	-
(KM01) PEPPER SPRAY, 2.1S	A	0.029	0.000	0.028	0.000	0.028
Quantity		265	-	251	-	251
Unit Cost		0.109	-	0.111	-	0.112
(KM02) PEPPER SPRAY, POCKET	A	0.014	0.000	0.000	0.000	0.000
Quantity		15	-	-	-	-
Unit Cost		0.909	-	-	-	-
(L306) SIGNAL, ILLUM GROUND, RED STAR M158	A	0.301	0.000	0.000	0.000	0.000
Quantity		646	-	-	-	-
Unit Cost		0.466	-	-	-	-
(L594) SIMULATOR, GROUND BURST M115A2	A	0.432	0.570	0.480	0.000	0.480

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**Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 10 - ITEMS LESS THAN \$5 MILLION	<b>Aggregated Item Name:</b> ITEMS LESS THAN \$5 MILLION
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(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Quantity		2,076	2,571	1,590	-	1,590
Unit Cost		0.208	0.222	0.302	-	0.302
(L601) SIMULATOR, HAND GRENADE M116A1	A	0.379	0.000	0.250	0.000	0.250
Quantity		2,264	-	1,220	-	1,220
Unit Cost		0.167	-	0.205	-	0.205
NUCLEAR TRAINERS	A	0.689	0.725	0.729	0.000	0.729
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
<b>Total</b>		<b>5.049</b>	<b>5.015</b>	<b>5.075</b>	<b>0.000</b>	<b>5.075</b>

**Remarks:**

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
11 - FLARES (OVERVIEW)

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	193.063	93.244	46.749	11.217	57.966	45.758	50.004	80.657	96.028	0.000	616.720
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	193.063	93.244	46.749	11.217	57.966	45.758	50.004	80.657	96.028	0.000	616.720
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Obligation Authority (\$ in Millions)	0.000	193.063	93.244	46.749	11.217	57.966	45.758	50.004	80.657	96.028	0.000	616.720
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY2010 funding includes \$41.0M of appropriated Overseas Contingency Operations supplemental funding.

FY2011 funding includes \$20.486M of requested Overseas Contingency Operations supplemental funding.

The program funding includes reductions for overhead efficiencies that are not intended to impact the current program. The efficiencies reductions total \$28.881M in FY2012.

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

- MJU-50/B Flare: A pyrophoric decoy developed as an advanced infrared countermeasure to defeat advanced-technology missile threats. The MJU-50 is termed a "covert" decoy because of the low-level of visible light it emits during ignition and burn. This flare's light intensity minimizes aircraft exposure to enemy ground monitoring and attack, and does not blind a pilot wearing night vision goggles. The MJU-50 flare was developed for the C-130 and is used on A-10 aircraft, HH-53 and HH-60 helicopters. This item is currently procured through the Ogden Air Logistics Center. FY2011 funding includes \$3.933M of requested Overseas Contingency Operations supplemental funding.

- MJU-64/B (LA43) (replaces the M211): 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. FY2010 funding includes \$8.214M of appropriated Overseas Contingency Operations supplemental funding. FY2011 funding includes \$4.746M of requested Overseas Contingency Operations supplemental funding.

- LUU-19 Aircraft Parachute Flare: An aircraft launched illuminating device. These flares are classified according to use, illumination, and burn time. Flares for aircraft use provide illumination for reconnaissance, bombardment, emergency night landings or search and rescue. Flares may be delivered/launched from high speed aircraft by use of SUU-25 Flare Dispenser or launched from C-130 ACFT LAU-74 cargo door launcher. Flares can also be hand launched or launched from aircraft utilizing static line ignition. Flares are attached to an 18 foot diameter cruciform parachute, have settings from 500 to 11,000 feet, and free fall prior to functioning. This item is procured through the Single Manager for Conventional Munitions (SMCA). FY2011 funding includes \$0.136M of requested Overseas Contingency Operations supplemental funding.

- MJU-23: An infrared countermeasure flare used on the B-1B aircraft against heat seeking missiles. The MJU-23 flare includes a specially designed high ejection cartridge (BBU-46) that propels the burning flare pellet upward with sufficient velocity to clear the aircraft during high speed, low level flight. This item is procured by the Air Force, OO-ALC.

- MJU-39/B and MJU-40/B Magnesium Based Kinematic Infrared (IR) Counter-Measure Flares: Consist of an aluminum case, crimped on aluminum end cap, plastic piston, sequencer device, flare body with nozzle and shroud. The MJU-39/B is dispensed by the ALE-52 and ignited in flight by a BBU-59/B impulse cartridge. The MJU-40/B is also dispensed by the ALE-52, but ignited in flight by a BBU-36/B impulse cartridge. These flares are designed to meet F-22 unique requirements. This item is procured through the Ogden Air Logistics Center but is scheduled to transition procurement to SMCA in 2013.

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
 11 - FLARES (OVERVIEW)

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

**Related Program Elements:**

- MJU-62/B Flare: A Boron-based infrared (IR) countermeasure. It consists of an aluminum case, plastic end cap, felt spacer, safe & initiation device, plastic piston, and the flare pellet. It is dispensed and ignited in flight by a BBU-36/B impulse cartridge. This item is procured through the Ogden Air Logistics Center. FY2010 funding includes \$1.770M of appropriated Overseas Contingency Operations supplemental funding.
- ALA-17C IR Countermeasure Flare: A two cartridge flare consisting of an upper and lower pellet contained in an 11 and inch by 2 and inch diameter aluminum housing (cartridge case). This flare is used to defeat missile threats on the B-52 bomber aircraft. Eight double pellet flare cartridges are installed in an ALA-17 flare rack that is loaded on the B-52 bomber in an AN/ALE-20 ejector seat or dispenser. The bottom flare pellet is deployed first and then the upper flare pellet. Both pellets are ignited and deployed into the B-52 air stream by the use of two internal individual squibs. This item is currently procured through the Ogden Air Logistics Center. FY2010 funding includes \$7.182M of appropriated Overseas Contingency Operations supplemental funding.
- Items Less Than Five Million Dollars: All items have an annual procurement of less than \$5,000,000...

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
<i>(Uncategorized)</i>					193.063			93.244			46.749			11.217			57.966
(L119) SIGNAL, PERSONNEL DISTRESS	P40A	A	0.116	11,291	1.315	0.118	5,024	0.594	0.120	11,209	1.345	0.130	3,703	0.482	0.123	14,912	1.827
(L127) DISPENSER, FLARE F/SUU-25	P40A	A	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(L283) SIGNAL, SMOKE & ILLUM, MARINE MK13	P40A	A	-	-	-	0.059	1,381	0.082	-	-	0.000	0.060	19,262	1.155	0.060	19,262	1.155
(L306) SIGNAL, ILLUM GROUND, GREEN STAR M125	P40A	A	0.051	13,381	0.683	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(L314) SIGNAL, ILLUM, GREEN STAR M125 A1	P40A	A	0.054	3,318	0.179	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
(L440) LUU-2 FLARE, ACFT PARA	P40A	A	0.970	5,089	4.938	1.000	4	0.004	-	-	0.000	-	-	0.000	-	-	0.000
(L554) MARKER, LOCATION MARINE MK25	P40A	A	-	-	0.000	-	-	0.000	-	-	0.000	0.287	3,049	0.874	0.287	3,049	0.874
			0.143	18,337	2.619	0.146	3,431	0.500	-	-	0.000	-	-	0.000	-	-	0.000

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B

**P-1 Line Item Nomenclature:**  
 11 - FLARES (OVERVIEW)

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

**Related Program Elements:**

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
(LA15) FLARE, ACFT COUNTERMEASURE M212	P40A	A															
(LA20) MJU-51 FLARE, DECOY, INFRARED	P40A	A	0.122	47,186	5.756	0.125	3,916	0.488	-	-	0.000	0.126	3,278	0.413	0.126	3,278	0.413
(LA21) MJU-53 FLARE, IR COUNTERMEASURE	P40A	A	0.055	71,967	3.985	0.056	2,753	0.154	-	-	0.000	0.057	2,296	0.130	0.057	2,296	0.130
ALA-17C FLARE - LY12	P40A	A	0.416	65,897	27.410	0.582	20,380	11.865	0.000	-	0.000	-	-	0.000	0.000	-	0.000
CLC FLARES (MJU-10 FLARE - L461)	P5		-	-	3.144	-	-	1.310	-	-	9.605	-	-	4.782	0.000	-	14.387
COMBAT SEARCH AND RESCUE	P40A	A	-	-	3.031	-	-	2.942	-	-	6.643	-	-	0.000	-	-	6.643
FLARES (M206 FLARE - L410)	P5, P5A		-	-	16.926	-	-	16.317	-	-	11.524	-	-	2.287	0.000	-	13.811
FLARES (MJU-7A/B IR FLARE - L463)	P5		-	-	24.962	-	-	11.567	-	-	6.061	-	-	1.094	0.000	-	7.155
LUU-19A/B FLARE	P40A	A	0.874	20,516	17.931	1.333	102	0.136	-	-	0.000	-	-	0.000	-	-	0.000
MJU-23 INFRARED COUNTERMEASURE FLARE	P40A	A	0.579	13,857	8.023	0.603	8,805	5.310	-	-	0.000	-	-	0.000	-	-	0.000
MJU-50 FLARE (LA19)	P40A	A	0.597	18,597	11.099	0.603	6,524	3.933	-	-	0.000	-	-	0.000	-	-	0.000
MJU-62 FLARE - LA36	P40A	A	0.192	43,260	8.308	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
MJU-64 IR CM FLARE - LA43	P40A	A	0.085	232,494	19.762	0.086	101,697	8.746	0.087	62,068	5.400	-	-	0.000	0.087	62,068	5.400
MJU39/40 INFRARED COUNTERMEASURE FLARES	P40A	A	1.405	23,474	32.992	1.597	18,341	29.296	1.466	4,209	6.171	-	-	0.000	1.466	4,209	6.171
<b>Total</b>					193.063			93.244			46.749			11.217			57.966

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<b>Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force</b>		<b>Date:</b> February 2011
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 15 : Flare, IR MJU-7B		<b>P-1 Line Item Nomenclature:</b> 11 - FLARES (OVERVIEW)
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Related Program Elements:</b>	
<b>Remarks:</b> 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.  FY2012 OCO funding request replenishes WRM munitions expended in support of combat operations in OEF.  PEs associated with this P-1 Line are: 0208030F, 0207599F		

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15		<b>P-1 Line Item Nomenclature:</b> 11 - FLARES (OVERVIEW)			<b>Aggregated Item Name:</b> FLARES (MJU-50 - LA19)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		11.099	3.933	0.000	0.000	0.000
MJU-50 FLARE (LA19)	A	11.099	3.933	0.000	0.000	0.000
Quantity		18,597	6,524	-	-	-
Unit Cost		0.597	0.603	-	-	-
<b>Total</b>		<b>11.099</b>	<b>3.933</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

**Remarks:**

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15		<b>P-1 Line Item Nomenclature:</b> 11 - FLARES (OVERVIEW)			<b>Aggregated Item Name:</b> FLARES (MJU-64 IR CM FLARE - LA43)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		19.762	8.746	5.400	0.000	5.400
MJU-64 IR CM FLARE - LA43	A	19.762	8.746	5.400	0.000	5.400
Quantity		232,494	101,697	62,068	-	62,068
Unit Cost		0.085	0.086	0.087	-	0.087
<b>Total</b>		<b>19.762</b>	<b>8.746</b>	<b>5.400</b>	<b>0.000</b>	<b>5.400</b>

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 11 - FLARES (OVERVIEW)	<b>Aggregated Item Name:</b> FLARES (LUU-19 FLARE - LA29)
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(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		17.931	0.136	0.000	0.000	0.000
LUU-19A/B FLARE	A	17.931	0.136	0.000	0.000	0.000
Quantity		20,516	102	-	-	-
Unit Cost		0.874	1.333	-	-	-
<b>Total</b>		<b>17.931</b>	<b>0.136</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

**Remarks:**



**UNCLASSIFIED**

<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15		<b>P-1 Line Item Nomenclature:</b> 11 - FLARES (OVERVIEW)			<b>Aggregated Item Name:</b> CLC FLARES (MJU-23 FLARE – L462)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		8.023	5.310	0.000	0.000	0.000
MJU-23 INFRARED COUNTERMEASURE FLARE	A	8.023	5.310	0.000	0.000	0.000
Quantity		13,857	8,805	-	-	-
Unit Cost		0.579	0.603	-	-	-
<b>Total</b>		<b>8.023</b>	<b>5.310</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F / BA 1 / BSA 15

**P-1 Line Item Nomenclature:**  
11 - FLARES (OVERVIEW)

**Aggregated Item Name:**  
FLARES (MJU-39/40-ACFT FLARE - LA32/LA33)

(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		32.992	29.296	6.171	0.000	6.171
MJU39/40 INFRARED COUNTERMEASURE FLARES	A	32.992	29.296	6.171	0.000	6.171
Quantity		23,474	18,341	4,209	-	4,209
Unit Cost		1.405	1.597	1.466	-	1.466
<b>Total</b>		<b>32.992</b>	<b>29.296</b>	<b>6.171</b>	<b>0.000</b>	<b>6.171</b>

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 11 - FLARES (OVERVIEW)	<b>Aggregated Item Name:</b> FLARES (MJU-62/B FLARE - LA36)
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(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		8.308	0.000	0.000	0.000	0.000
MJU-62 FLARE - LA36	A	8.308	0.000	0.000	0.000	0.000
Quantity		43,260	-	-	-	-
Unit Cost		0.192	-	-	-	-
<b>Total</b>		<b>8.308</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

**Remarks:**

**UNCLASSIFIED**

<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15		<b>P-1 Line Item Nomenclature:</b> 11 - FLARES (OVERVIEW)			<b>Aggregated Item Name:</b> FLARES (ALA-17C FLARE - LY12)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		27.410	11.865	0.000	0.000	0.000
ALA-17C FLARE - LY12	A	27.410	11.865	0.000	0.000	0.000
Quantity		65,897	20,380	-	-	-
Unit Cost		0.416	0.582	0.000	-	0.000
<b>Total</b>		<b>27.410</b>	<b>11.865</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

**Remarks:**

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 15		P-1 Line Item Nomenclature: 11 - FLARES (OVERVIEW)			Aggregated Item Name: FLARES (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		22.506	4.764	7.988	3.054	11.042
(L119) SIGNAL, PERSONNEL DISTRESS	A	1.315	0.594	1.345	0.482	1.827
Quantity		11,291	5,024	11,209	3,703	14,912
Unit Cost		0.116	0.118	0.120	0.130	0.123
(L127) DISPENSER, FLARE F/SUU-25	A	-	0.000	0.000	0.000	0.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
(L283) SIGNAL, SMOKE & ILLUM, MARINE MK13	A	-	0.082	0.000	1.155	1.155
Quantity		-	1,381	-	19,262	19,262
Unit Cost		-	0.059	-	0.060	0.060
(L306) SIGNAL, ILLUM GROUND, GREEN STAR M125	A	0.683	0.000	0.000	0.000	0.000
Quantity		13,381	-	-	-	-
Unit Cost		0.051	-	-	-	-
(L314) SIGNAL, ILLUM, GREEN STAR M125 A1	A	0.179	0.000	0.000	0.000	0.000
Quantity		3,318	-	-	-	-
Unit Cost		0.054	-	-	-	-
(L440) LUU-2 FLARE, ACFT PARA	A	4.938	0.004	0.000	0.000	0.000
Quantity		5,089	4	-	-	-
Unit Cost		0.970	1.000	-	-	-
(L554) MARKER, LOCATION MARINE MK25	A	0.000	0.000	0.000	0.874	0.874
Quantity		-	-	-	3,049	3,049
Unit Cost		-	-	-	0.287	0.287
(LA15) FLARE, ACFT COUNTERMEASURE M212	A	2.619	0.500	0.000	0.000	0.000
Quantity		18,337	3,431	-	-	-
Unit Cost		0.143	0.146	-	-	-
(LA20) MJU-51 FLARE, DECOY, INFRARED	A	5.756	0.488	0.000	0.413	0.413
Quantity		47,186	3,916	-	3,278	3,278
Unit Cost		0.122	0.125	-	0.126	0.126
(LA21) MJU-53 FLARE, IR COUNTERMEASURE	A	3.985	0.154	0.000	0.130	0.130
Quantity		71,967	2,753	-	2,296	2,296
Unit Cost		0.055	0.056	-	0.057	0.057

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15		<b>P-1 Line Item Nomenclature:</b> 11 - FLARES (OVERVIEW)			<b>Aggregated Item Name:</b> FLARES (ITEMS LESS THAN \$5 MILLION)	
<small>(\$ in Millions, Unit \$ in Thousands, Quantity in Each)</small>	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
COMBAT SEARCH AND RESCUE	A	3.031	2.942	6.643	0.000	6.643
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
<b>Total</b>		<b>22.506</b>	<b>4.764</b>	<b>7.988</b>	<b>3.054</b>	<b>11.042</b>
<b>Remarks:</b>						

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:** 3011F / BA 1 / BSA 15 **P-1 Line Item Nomenclature:** 11 - FLARES (OVERVIEW) **Item Nomenclature:** FLARES (M206 FLARE - L410)

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
† M206 FLARE (L410)	A	-	-	-	0.030	554,815	16.489	0.032	498,316	15.986	0.041	269,327	11.002	0.345	6,638	2.287	0.048	275,965	13.289
PRODUCTION ENGINEERING	A	-	-	-	-	-	0.431	-	-	0.327	-	-	0.510	-	-	0.000	-	-	0.510
QUALITY ASSURANCE	A	-	-	-	-	-	0.006	-	-	0.004	-	-	0.012	-	-	0.000	-	-	0.012
Gross/Weapon System Cost		-	-	0.000	-	-	16.926	-	-	16.317	-	-	11.524	-	-	2.287	-	-	13.811
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	16.926	-	-	16.317	-	-	11.524	-	-	2.287	0.000	-	13.811
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	16.926	-	-	16.317	-	-	11.524	-	-	2.287	0.000	-	13.811
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-5A, Budget Procurement History and Planning : PB 2012 Air Force** **Date:** February 2011

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 15	<b>P-1 Line Item Nomenclature:</b> 11 - FLARES (OVERVIEW)	<b>Item Nomenclature:</b> FLARES (M206 FLARE - L410)
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Contract Elements	O C O	FY	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
M206 FLARE (L410) <sup>(1)</sup>		2010	ARMTEC & KILGORE / CAMDEN, AR & TOONE, TN	MIPR	CAMDEN, AR & TOONE, TN	Mar 2010	Nov 2010	554,815	0.030	Y		
M206 FLARE (L410) <sup>(2)</sup>		2011	ARMTEC & KILGORE / CAMDEN, AR & TOONE, TN	MIPR	CAMDEN, AR & TOONE, TN	Mar 2011	Nov 2011	498,316	0.032	Y		
M206 FLARE (L410) <sup>(3)</sup>		2012	ARMTEC & KILGORE / CAMDEN, AR & TOONE, TN	MIPR	CAMDEN, AR & TOONE, TN	Mar 2012	Mar 2012	275,965	0.041	Y		

**Remarks:**

- <sup>(1)</sup>FY2010 procurement is an option of the FY2009 Basic contract which was split between ARMTEC of Camden, AR and KILGORE of Toone, TN.
- <sup>(2)</sup>FY2011 procurement will be an option of the FY2009 Basic contract which was split between ARMTEC of Camden, AR and KILGORE of Toone, TN.
- <sup>(3)</sup>FY2012 procurement will be an option of the FY2009 Basic contract which was split betwvn ARMTEC and KILGORE.



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**Exhibit P-5, Cost Analysis : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:** 3011F / BA 1 / BSA 15 **P-1 Line Item Nomenclature:** 11 - FLARES (OVERVIEW) **Item Nomenclature:** FLARES (MJU-7A/B IR FLARE - L463)

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
MJU-7 IR FLARE (L463)	A	-	-	-	0.047	534,181	24.952	0.054	213,956	11.513	0.054	112,572	6.056	0.054	20,334	1.094	0.054	132,906	7.150
PRODUCTION ENGINEERING	A	-	-	-	-	-	0.006	-	-	0.046	-	-	0.003	-	-	0.000	-	-	0.003
QUALITY ASSURANCE	A	-	-	-	-	-	0.004	-	-	0.008	-	-	0.002	-	-	0.000	-	-	0.002
Gross/Weapon System Cost		-	-	0.000	-	-	24.962	-	-	11.567	-	-	6.061	-	-	1.094	-	-	7.155
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	24.962	-	-	11.567	-	-	6.061	-	-	1.094	0.000	-	7.155
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	24.962	-	-	11.567	-	-	6.061	-	-	1.094	0.000	-	7.155
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:** 3011F / BA 1 / BSA 15 **P-1 Line Item Nomenclature:** 11 - FLARES (OVERVIEW) **Item Nomenclature:** CLC FLARES (MJU-10 FLARE - L461)

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
FLARE, IR COUNTERMEASURE COMPLETE ROUND	A	-	-	-	0.175	17,965	3.144	0.202	6,447	1.302	0.198	48,476	9.598	0.199	24,064	4.782	0.198	72,540	14.380
QUALITY ASSURANCE	A	-	-	-	-	-	0.000	-	-	0.008	-	-	0.007	-	-	0.000	-	-	0.007
Gross/Weapon System Cost		-	-	0.000	-	-	3.144	-	-	1.310	-	-	9.605	-	-	4.782	-	-	14.387
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	3.144	-	-	1.310	-	-	9.605	-	-	4.782	0.000	-	14.387
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Total Obligation Authority		-	-	0.000	-	-	3.144	-	-	1.310	-	-	9.605	-	-	4.782	0.000	-	14.387
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
 3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 16 : Fuzes

**P-1 Line Item Nomenclature:**  
 12 - FUZES (OVERVIEW)

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

**Related Program Elements:**

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	75.455	82.319	34.735	8.765	43.500	50.953	64.187	68.305	84.962	0.000	469.681
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	75.455	82.319	34.735	8.765	43.500	50.953	64.187	68.305	84.962	0.000	469.681
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Obligation Authority (\$ in Millions)	0.000	75.455	82.319	34.735	8.765	43.500	50.953	64.187	68.305	84.962	0.000	469.681
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY2010 funding includes \$14.595M of appropriated Overseas Contingency Operations supplemental funding.

FY2011 funding includes \$24.982M of requested Overseas Contingency Operations supplemental funding.

The program funding includes reductions for overhead efficiencies that are not intended to impact the current program. The efficiencies reductions total \$21.097M in FY2012.

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

- FMU-152A/B Joint Programmable Fuze (JPF): 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. FY2010 funding includes \$7.206M appropriated Overseas Contingency Operations supplemental funding. FY2011 funding includes \$10.356M requested Overseas Contingency Operations supplemental funding.

- DSU-33 Proximity Sensor: 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 (KY70) replaces the DSU-33C/B (GY33). This item will be procured through the Army Single Manager for Conventional Ammunition (SMCA). FY2010 funding includes \$3.505M of appropriated Overseas Contingency Operations supplemental funding. FY2011 funding includes \$3.015M of requested Overseas Contingency supplemental Operations.

- 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. FY2010 funding includes \$3.884M of appropriated Overseas Contingency Operations supplemental funding. FY2011 funding includes \$6.795M of requested Overseas Contingency Operations supplemental funding.

Items requested in FY2012 are identified on the following P-40A/P-5s and are representative of items to be procured. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.

Projected test and training allocations for Reserve Component Requirements based on FY2010 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority):

\$M FY2010 FY2011 FY2012 FY2013 FY2014 FY2015 FY2016

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 1 : Procurement of Ammo, Air Force / BSA 16 : Fuzes

**P-1 Line Item Nomenclature:**  
12 - FUZES (OVERVIEW)

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

ANG: \$0.236 \$0.210 \$0.179 \$0.187 \$0.162 \$0.160 \$0.162  
AFR: \$0.072 \$0.064 \$0.055 \$0.057 \$0.050 \$0.049 \$0.050

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
<i>(Uncategorized)</i>					75.455			82.319			34.734			8.765			43.499
DSU-33 (D-1)/B (KY71)	P40A	A	-	-	-	-	-	0.500	0.851	811	0.690	-	-	0.000	0.851	811	0.690
DSU33D/B PROXIMITY SENSOR	P40A	A	1.072	9,097	9.752	1.101	9,699	10.679	1.006	7,927	7.976	1.093	1,880	2.055	1.023	9,807	10.031
FMU-139C/B (EC35)	P40A	A	2.552	1,522	3.884	2.580	1,897	4.894	-	-	0.000	-	-	0.000	-	-	0.000
FMU-143N/B (EC54)	P40A	A	-	-	-	3.226	734	2.368	-	-	0.000	-	-	0.000	-	-	0.000
FMU-143R/B (ED30)	P40A	A	3.160	1,248	3.944	3.226	991	3.197	4.451	155	0.690	-	-	0.000	4.451	155	0.690
FMU-143S/B (ED29)	P40A	A	3.427	1,219	4.178	4.068	1,183	4.813	4.401	1,356	5.967	-	-	0.000	4.401	1,356	5.967
FMU-143T/B (ED28)	P40A	A	3.165	423	1.339	3.225	993	3.202	4.443	177	0.786	-	-	0.000	4.443	177	0.786
FMU-152/B D-2 (EB93)	P40A	A	0.664	113	0.075	1.103	68	0.075	0.663	156	0.103	-	-	0.000	0.663	156	0.103
FMU-152/B FUZE	P40A	A	4.340	12,048	52.283	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
FMU-152A/B FUZE FOLLOW-ON CONTRACT	P40A	A	-	-	-	4.626	11,369	52.591	4.725	3,920	18.522	4.329	1,550	6.710	4.613	5,470	25.232
HARDWARE	P40A	A	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total</b>					75.455			82.319			34.734			8.765			43.499

**Remarks:**  
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.

FY2012 OCO funding request replenishes WRM munitions expended in support of combat operations in OEF.

PEs associated with this P-1 Line are: 0208030F, 0207599F

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 16		<b>P-1 Line Item Nomenclature:</b> 12 - FUZES (OVERVIEW)			<b>Aggregated Item Name:</b> FUZES (FMU-152/B JOINT PROGRAMMABLE FUZE)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		52.283	52.591	18.522	6.710	25.232
HARDWARE	A	0.000	0.000	0.000	0.000	0.000
Quantity		-	-	-	-	-
Unit Cost		-	-	-	-	-
FMU-152/B FUZE	A	52.283	0.000	0.000	0.000	0.000
Quantity		12,048	-	-	-	-
Unit Cost		4.340	-	-	-	-
FMU-152A/B FUZE FOLLOW-ON CONTRACT	A	-	52.591	18.522	6.710	25.232
Quantity		-	11,369	3,920	1,550	5,470
Unit Cost		-	4.626	4.725	4.329	4.613
<b>Total</b>		<b>52.283</b>	<b>52.591</b>	<b>18.522</b>	<b>6.710</b>	<b>25.232</b>

**Remarks:**

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<b>Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force</b>					<b>Date:</b> February 2011	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3011F / BA 1 / BSA 16		<b>P-1 Line Item Nomenclature:</b> 12 - FUZES (OVERVIEW)			<b>Aggregated Item Name:</b> FUZES (DSU-33D/B PROXIMITY SENSOR - KY70)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	<b>ID Code</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
<i>(Uncategorized)</i>		9.752	10.679	7.976	2.055	10.031
DSU33D/B PROXIMITY SENSOR	A	9.752	10.679	7.976	2.055	10.031
Quantity		9,097	9,699	7,927	1,880	9,807
Unit Cost		1.072	1.101	1.006	1.093	1.023
<b>Total</b>		<b>9.752</b>	<b>10.679</b>	<b>7.976</b>	<b>2.055</b>	<b>10.031</b>

**Remarks:**

**UNCLASSIFIED**

Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 1 / BSA 16		P-1 Line Item Nomenclature: 12 - FUZES (OVERVIEW)			Aggregated Item Name: FUZES (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		13.420	19.049	8.236	0.000	8.236
FMU-139C/B (EC35)	A	3.884	4.894	0.000	0.000	0.000
Quantity		1,522	1,897	-	-	-
Unit Cost		2.552	2.580	-	-	-
FMU-152/B D-2 (EB93)	A	0.075	0.075	0.103	0.000	0.103
Quantity		113	68	156	-	156
Unit Cost		0.664	1.103	0.663	-	0.663
FMU-143N/B (EC54)	A	-	2.368	0.000	0.000	0.000
Quantity		-	734	-	-	-
Unit Cost		-	3.226	-	-	-
FMU-143T/B (ED28)	A	1.339	3.202	0.786	0.000	0.786
Quantity		423	993	177	-	177
Unit Cost		3.165	3.225	4.443	-	4.443
FMU-143S/B (ED29)	A	4.178	4.813	5.967	0.000	5.967
Quantity		1,219	1,183	1,356	-	1,356
Unit Cost		3.427	4.068	4.401	-	4.401
DSU-33 (D-1)/B (KY71)	A	-	0.500	0.690	0.000	0.690
Quantity		-	-	811	-	811
Unit Cost		-	-	0.851	-	0.851
FMU-143R/B (ED30)	A	3.944	3.197	0.690	0.000	0.690
Quantity		1,248	991	155	-	155
Unit Cost		3.160	3.226	4.451	-	4.451
<b>Total</b>		<b>13.420</b>	<b>19.049</b>	<b>8.236</b>	<b>0.000</b>	<b>8.236</b>
<b>Remarks:</b>						

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 2 : Weapons / BSA 1 : Small Arms

**P-1 Line Item Nomenclature:**  
13 - SMALL ARMS

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

	Prior Years	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	To Complete	Total
Procurement Quantity (Units: Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	27.734	22.570	7.195	11.500	18.695	29.061	29.588	31.789	32.361	0.000	191.798
Less PY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Net Procurement (P1) (\$ in Millions)	0.000	27.734	22.570	7.195	11.500	18.695	29.061	29.588	31.789	32.361	0.000	191.798
Plus CY Advanced Procurement (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Obligation Authority (\$ in Millions)	0.000	27.734	22.570	7.195	11.500	18.695	29.061	29.588	31.789	32.361	0.000	191.798
Initial Spares (\$ in Millions)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	0.000	-	-	-	-	-	0.000
Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

**Description:**

FY2010 funding includes \$21.637M of appropriated Overseas Contingency Operations supplemental funding.

FY2011 funding includes \$15.507M requested for Overseas Contingency Operations supplemental funding.

The program funding includes reductions for overhead efficiencies that are not intended to impact the current program. The efficiencies reductions total \$0.063M in FY2012.

Small Arms encompasses small caliber, hand fired weapons (pistols and rifles) used to support air base ground defense, aircrew protection, Office of Special Investigations, security functions, and other activities requiring small, portable firearms. This line also procures various accessories needed to improve or maintain existing weapons.

Items requested in FY2012 are representative of the items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.

Item Schedule		FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
	Exhibits	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
<i>(Uncategorized)</i>				27.734			22.570			7.195			11.500			18.695
AN/PAS 13D	P40A	8.067	90	0.726	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
EOD Soft Mount	P40A	0.929	85	0.079	0.919	160	0.147	0.900	10	0.009	-	-	0.000	0.900	10	0.009

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 2 : Weapons / BSA 1 : Small Arms

**P-1 Line Item Nomenclature:**  
13 - SMALL ARMS

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

**Related Program Elements:**

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project		ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
Exhibits			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
M107 Sniper Rifle (.50 cal)	P40A	A	12.169	118	1.436	12.700	160	2.032	11.176	17	0.190	-	-	0.000	11.176	17	0.190
M11 Compact Pistol (9mm)	P40A	A	0.667	9	0.006	0.636	11	0.007	0.700	10	0.007	-	-	0.000	0.700	10	0.007
M1187P EOD Shotgun	P40A	A	0.500	12	0.006	0.486	37	0.018	-	-	0.000	-	-	0.000	-	-	0.000
M122A1 Tripod/T&E (M240B)	P40A	A	0.516	304	0.157	0.515	167	0.086	0.455	11	0.005	-	-	0.000	0.455	11	0.005
M2 (.50 Cal Machine Gun)	P40A	A	16.150	266	4.296	17.375	8	0.139	10.813	16	0.173	-	-	0.000	10.813	16	0.173
M203A2 (40mm Grenade Launcher)	P40A	A	1.110	438	0.486	1.188	999	1.187	-	-	0.000	-	-	0.000	-	-	0.000
M24 Sniper Rifle (7.26mm)	P40A	A	6.912	159	1.099	6.600	10	0.066	6.560	25	0.164	-	-	0.000	6.560	25	0.164
M240B Machinegun (7.62mm)	P40A	A	8.847	190	1.681	8.625	40	0.345	7.095	42	0.298	7.097	300	2.129	7.096	342	2.427
M249 Automatic Rifle (5.56mm)	P40A	A	5.485	262	1.437	4.351	37	0.161	3.514	37	0.130	3.514	500	1.757	3.514	537	1.887
M3 Tripod (M2 & MK-19)	P40A	A	0.730	1,562	1.140	0.756	164	0.124	0.700	10	0.007	-	-	0.000	0.700	10	0.007
M320A1 (40mm Grenade Launcher)	P40A	A	-	-	-	-	-	-	3.396	265	0.900	-	-	0.000	3.396	265	0.900
M4 CARBINE (5.56mm)	P5		-	-	6.326	-	-	2.201	-	-	3.241	-	-	7.614	0.000	-	10.855
M4A1 Carbine (5.56mm - Auto)	P40A	A	1.159	684	0.793	1.235	17	0.021	1.200	15	0.018	-	-	0.000	1.200	15	0.018
M9 Pistol (9mm)	P40A	A	0.376	221	0.083	0.367	30	0.011	0.400	2,530	1.012	-	-	0.000	0.400	2,530	1.012
MP5K PDW	P40A	A	2.469	32	0.079	2.508	65	0.163	-	-	0.000	-	-	0.000	-	-	0.000
Modular Combat Shotgun (12 Ga)	P40A	A	0.571	7	0.004	0.545	11	0.006	0.550	20	0.011	-	-	0.000	0.550	20	0.011
PAS-13Dv2 Thermal Sight Medium	P40A	A	11.358	95	1.079	11.292	120	1.355	-	-	0.000	-	-	0.000	-	-	0.000

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**Exhibit P-40, Budget Item Justification Sheet : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F : Procurement of Ammunition, Air Force / BA 2 : Weapons / BSA 1 : Small Arms

**P-1 Line Item Nomenclature:**  
13 - SMALL ARMS

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

Item Schedule			FY 2010			FY 2011			FY 2012 Base			FY 2012 OCO			FY 2012 Total		
Manufacturer/Activity Project	Exhibits	ID CD	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost	Unit Cost	Each	Total Cost
			\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M	\$K		\$M
PAS13Dv3 Thermal Sight Heavy	P40A	A	12.005	191	2.293	11.997	328	3.935	-	-	0.000	-	-	0.000	-	-	0.000
PSQ-23 Storm MLFR RNGE Finder	P40A	A	-	-	-	18.717	159	2.976	-	-	0.000	-	-	0.000	-	-	0.000
PVS 10 (Night Vision)	P40A	A	20.068	205	4.114	62.722	18	1.129	25.250	40	1.010	-	-	0.000	25.250	40	1.010
PVS-29 Night Vision Sight Clip-on	P40A	A	-	-	-	8.800	550	4.840	-	-	0.000	-	-	0.000	-	-	0.000
Special Operations Combat Assault Rifle	P40A	A	-	-	-	1.214	1,300	1.578	-	-	0.000	-	-	0.000	-	-	0.000
X4 Telescope (ACOG)	P40A	A	0.828	500	0.414	0.827	52	0.043	0.833	24	0.020	-	-	0.000	0.833	24	0.020
<b>Total</b>					27.734			22.570			7.195			11.500			18.695

**Remarks:**

FY2012 budget request procures items in support of installation and unit mission requirements for Air Force personnel.

FY2012 OCO funding request replenishes WRM munitions expended in support of combat operations in OEF.

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 2 / BSA 1		P-1 Line Item Nomenclature: 13 - SMALL ARMS			Aggregated Item Name: SMALL ARMS (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<i>(Uncategorized)</i>		21.408	20.369	3.954	3.886	7.840
M2 (.50 Cal Machine Gun)	A	4.296	0.139	0.173	0.000	0.173
Quantity		266	8	16	-	16
Unit Cost		16.150	17.375	10.813	-	10.813
PVS 10 (Night Vision)	A	4.114	1.129	1.010	0.000	1.010
Quantity		205	18	40	-	40
Unit Cost		20.068	62.722	25.250	-	25.250
PAS13Dv3 Thermal Sight Heavy	A	2.293	3.935	0.000	0.000	0.000
Quantity		191	328	-	-	-
Unit Cost		12.005	11.997	-	-	-
M240B Machinegun (7.62mm)	A	1.681	0.345	0.298	2.129	2.427
Quantity		190	40	42	300	342
Unit Cost		8.847	8.625	7.095	7.097	7.096
M249 Automatic Rifle (5.56mm)	A	1.437	0.161	0.130	1.757	1.887
Quantity		262	37	37	500	537
Unit Cost		5.485	4.351	3.514	3.514	3.514
M107 Sniper Rifle (.50 cal)	A	1.436	2.032	0.190	0.000	0.190
Quantity		118	160	17	-	17
Unit Cost		12.169	12.700	11.176	-	11.176
M3 Tripod (M2 & MK-19)	A	1.140	0.124	0.007	0.000	0.007
Quantity		1,562	164	10	-	10
Unit Cost		0.730	0.756	0.700	-	0.700
M24 Sniper Rifle (7.26mm)	A	1.099	0.066	0.164	0.000	0.164
Quantity		159	10	25	-	25
Unit Cost		6.912	6.600	6.560	-	6.560
PAS-13Dv2 Thermal Sight Medium	A	1.079	1.355	0.000	0.000	0.000
Quantity		95	120	-	-	-
Unit Cost		11.358	11.292	-	-	-
M4A1 Carbine (5.56mm - Auto)	A	0.793	0.021	0.018	0.000	0.018
Quantity		684	17	15	-	15
Unit Cost		1.159	1.235	1.200	-	1.200

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Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force					Date: February 2011	
Appropriation / Budget Activity / Budget Sub Activity: 3011F / BA 2 / BSA 1		P-1 Line Item Nomenclature: 13 - SMALL ARMS			Aggregated Item Name: SMALL ARMS (ITEMS LESS THAN \$5 MILLION)	
(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
AN/PAS 13D	A	0.726	0.000	0.000	0.000	0.000
Quantity		90	-	-	-	-
Unit Cost		8.067	-	-	-	-
M203A2 (40mm Grenade Launcher)	A	0.486	1.187	0.000	0.000	0.000
Quantity		438	999	-	-	-
Unit Cost		1.110	1.188	-	-	-
X4 Telescope (ACOG)	A	0.414	0.043	0.020	0.000	0.020
Quantity		500	52	24	-	24
Unit Cost		0.828	0.827	0.833	-	0.833
M122A1 Tripod/T&E (M240B)	A	0.157	0.086	0.005	0.000	0.005
Quantity		304	167	11	-	11
Unit Cost		0.516	0.515	0.455	-	0.455
M9 Pistol (9mm)	A	0.083	0.011	1.012	0.000	1.012
Quantity		221	30	2,530	-	2,530
Unit Cost		0.376	0.367	0.400	-	0.400
EOD Soft Mount	A	0.079	0.147	0.009	0.000	0.009
Quantity		85	160	10	-	10
Unit Cost		0.929	0.919	0.900	-	0.900
MP5K PDW	A	0.079	0.163	0.000	0.000	0.000
Quantity		32	65	-	-	-
Unit Cost		2.469	2.508	-	-	-
M11 Compact Pistol (9mm)	A	0.006	0.007	0.007	0.000	0.007
Quantity		9	11	10	-	10
Unit Cost		0.667	0.636	0.700	-	0.700
M1187P EOD Shotgun	A	0.006	0.018	0.000	0.000	0.000
Quantity		12	37	-	-	-
Unit Cost		0.500	0.486	-	-	-
Modular Combat Shotgun (12 Ga)	A	0.004	0.006	0.011	0.000	0.011
Quantity		7	11	20	-	20
Unit Cost		0.571	0.545	0.550	-	0.550
PSQ-23 Storm MLFR RNGE Finder	A	-	2.976	0.000	0.000	0.000

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**Exhibit P-40A, Budget Item Justification For Aggregated Items : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:**  
3011F / BA 2 / BSA 1

**P-1 Line Item Nomenclature:**  
13 - SMALL ARMS

**Aggregated Item Name:**  
SMALL ARMS (ITEMS LESS THAN \$5 MILLION)

(\$ in Millions, Unit \$ in Thousands, Quantity in Each)	ID Code	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Quantity		-	159	-	-	-
Unit Cost		-	18.717	-	-	-
PVS-29 Night Vision Sight Clip-on	A	-	4.840	0.000	0.000	0.000
Quantity		-	550	-	-	-
Unit Cost		-	8.800	-	-	-
Special Operations Combat Assault Rifle	A	-	1.578	0.000	0.000	0.000
Quantity		-	1,300	-	-	-
Unit Cost		-	1.214	-	-	-
M320A1 (40mm Grenade Launcher)	A	-	-	0.900	0.000	0.900
Quantity		-	-	265	-	265
Unit Cost		-	-	3.396	-	3.396
<b>Total</b>		<b>21.408</b>	<b>20.369</b>	<b>3.954</b>	<b>3.886</b>	<b>7.840</b>

**Remarks:**

**UNCLASSIFIED**

**Exhibit P-5, Cost Analysis : PB 2012 Air Force** **Date:** February 2011

**Appropriation / Budget Activity / Budget Sub Activity:** 3011F / BA 2 / BSA 1 **P-1 Line Item Nomenclature:** 13 - SMALL ARMS **Item Nomenclature:** M4 CARBINE (5.56mm)

Cost Elements († indicates the presence of a P-5A/P-21)	ID CD	Prior Years			FY 2010			FY 2011			FY 2012								
		Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Unit Cost \$K	Qty Each	Total Cost \$M	Base Unit Cost \$K	Base Qty Each	Base Total Cost \$M	OCO Unit Cost \$K	OCO Qty Each	OCO Total Cost \$M	Total Unit Cost \$K	Total Qty Each	Total Cost \$M
M4 CARBINE (5.56mm)	A	-	-	-	1.656	3,820	6.326	1.495	1,472	2.201	1.496	2,167	3.241	1.496	5,091	7.614	1.496	7,258	10.855
Gross/Weapon System Cost		-	-	0.000	-	-	6.326	-	-	2.201	-	-	3.241	-	-	7.614	-	-	10.855
Less PY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Net Procurement (P1)		-	-	0.000	-	-	6.326	-	-	2.201	-	-	3.241	-	-	7.614	0.000	-	10.855
Plus CY Advanced Procurement		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<b>Total Obligation Authority</b>		-	-	0.000	-	-	6.326	-	-	2.201	-	-	3.241	-	-	7.614	0.000	-	10.855
Initial Spares		-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Remarks: