

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

**FISCAL YEAR (FY) 2009
BUDGET ESTIMATES**

PROCUREMENT OF AMMUNITION

SUBMITTED TO CONGRESS FEBRUARY 2008

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
 PROCUREMENT OF AMMUNITION ESTIMATES
 FOR FISCAL YEAR 2009

Table of Contents

Table of Contents.....	i
Identification Codes and Glossary.....	ii
Appropriation Language.....	vii
Program Exhibit P-1.....	viii

PROCUREMENT OF AMMUNITION, AF

<u>P-1 Line No.</u>	<u>Item</u>	<u>Page No.</u>
2	Rockets.....	1
3	Cartridges.....	11
4	Practice Bombs.....	34
5	General Purpose Bombs.....	41
7	Joint Direct Attack Munition.....	61
9	CAD/PAD.....	66
10	Explosives Ordnance Disposal (EOD).....	68
11	Spares & Repair Parts.....	72
12	Modifications.....	74
13	Items Less Than \$5 Million.....	75
14	Flares.....	77
15	Fuzes.....	122
19	Small Arms.....	141

* The P-1 numbers in this exhibit, and the individual documents do not match the P-1 numbers in the Summary Justification Materials on the OSD Website. Please reference the P-1 Crosswalk at the end of the J-book.

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 - 11th 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
USAFA - United States Air Force Academy, Colorado Springs, CO
SSG - Standard Systems Group, Maxwell AFB-Gunter Annex, AL

Bases/Organizations

11 WING - 11th 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, \$894,478,000 to remain available for obligation until September 30, 2011.

Department of the Air Force
FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION, AIR FORCE

DATE: 14 JAN 2008

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2007		FY 2008		FY 2009		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 01: PROCUREMENT OF AMMO, AIR FORCE									
ROCKETS									
2	ROCKETS	A		40.9		18.1		29.4	U
CARTRIDGES									
3	CARTRIDGES	A		147.6		164.2		150.8	U
BOMBS									
4	PRACTICE BOMBS	A		15.0		25.9		24.6	U
5	GENERAL PURPOSE BOMBS	A		250.5		140.5		149.7	U
6	SENSOR FUZED WEAPON	A	305	118.4					U
7	JOINT DIRECT ATTACK MUNITION	A	7261	194.1	3817	112.0	3647	105.7	U
8	WIND CORRECTED MUNITIONS DISPENSER	A		3.1					U
FLARE, IR MJU-7B									
9	CAD/PAD	A		30.7		33.6		38.2	U
10	EXPLOSIVE ORDINANCE DISPOSAL (EOD)	A		6.1		3.2		3.2	U
11	SPARES AND REPAIR PARTS	A		3.7		4.7		4.6	U
12	MODIFICATIONS	A		.9		.9		1.2	U
13	ITEMS LESS THAN \$5,000,000	A		4.1		4.1		2.5	U
FUZES									
14	FLARES	A		160.4		167.7		304.2	U
15	FUZES	A		56.5		70.3		72.1	U
TOTAL PROCUREMENT OF AMMO, AIR FORCE				1,032.1		745.4		886.3	

Department of the Air Force
 FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION, AIR FORCE

DATE: 14 JAN 2008

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2007		FY 2008		FY 2009		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 02: WEAPONS									
SMALL ARMS									
19	SMALL ARMS	A		11.5		3.6		8.2	U
TOTAL WEAPONS				11.5		3.6		8.2	
TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE				1,043.6		749.0		894.5	

* The P-1 numbers in this exhibit, and the individual documents do not match the P-1 numbers in the Summary Justification Materials on the OSD Website. Please reference the P-1 Crosswalk at the end of the J-book.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (OVERVIEW)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$40,946	\$18,064	\$29,436	\$29,355	\$37,087	\$44,420	\$44,706
<p>Description:</p> <p>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.</p> <p>Items procured in FY09 are identified on the following P-40A 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.</p>								
P-1 ITEM NO 2		PAGE NO: 1		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (OVERVIEW)
--	--

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
2.75 INCH ROCKET MOTOR (HA07)	A			4,992	\$2,250	5,584	\$2,506	18,364	\$9,719
2.75 INCH WARHEAD WHITE PHOSPHOROUS (H855)	A			13,479	\$4,066	6,249	\$2,723	16,302	\$8,937
ROCKET MOTOR GTR-18 (YW33)	A			112,885	\$16,883				
ITEMS LESS THAN 5 MILLION	A				\$17,747		\$12,835		\$10,780
TOTALS:					\$40,946		\$18,064		\$29,436

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 2		Page 1 of 1
--	-------------------------	--	----------------------	--	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 IN ROCKET MOTOR - HA07)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$2,250	\$2,506	\$9,719	\$5,924	\$6,555	\$10,212	\$11,827
<p>Description:</p> <p>The 2.75 Inch Rocket Motor is 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" Rocket is used primarily to mark target locations for other aircraft.</p> <p>This item is procured through the U.S. Army Missile Command, Joint Attack Munitions Systems (JAMS), PEO Missiles and Space at Redstone Arsenal Alabama.</p> <p>Items requested in FY09 are identified on the following P-5 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.</p>								
P-1 ITEM NO 2		PAGE NO: 3		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (2.75 IN ROCKET MOTOR - HA07)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
2.75 ROCKET MOTOR MK66 MOD 4	A				4,992	\$427	\$2,133	5,584	\$432	\$2,412	18,364	\$514	\$9,432
PRODUCTION ENGINEERING							\$117			\$94			\$287
TOTALS:					4,992		\$2,250	5,584		\$2,506	18,364		\$9,719

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 4	Page 1 of 1
--	-------------------------	--	----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 IN ROCKET MOTOR - HA07)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
2.75 ROCKET MOTOR MK66 MOD 4										
FY2007(1)	4,992	\$427	AFMC/OC-ALC	MIPR/OPT/FFP	ARMY/ARMY/GDATP/ BURLINGTON, VT	Mar-07	Jul-09			
FY2008(1)	5,584	\$432	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/GDATP/ BURLINGTON, VT	Mar-08	Jul-10	Yes		
FY2009(1)	18,364	\$514	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/GDATP/ BURLINGTON, VT	Mar-09	Jul-11	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY2007 thru FY2009 contracts are options off an FY2005 basic contract. After FY2009 an IDIQ contract will be available to support future procurements.</p>										
			P-1 ITEM NO 2				PAGE NO: 5	Page 1 of 1		

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 WHD WP SMOKE - H855)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$4,066	\$2,723	\$8,937	\$13,431	\$20,613	\$25,095	\$24,148
<p>Description:</p> <p>The 2.75 inch White Phosphorus War Head (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.</p> <p>This item is procured through the U.S. Army Missile Command, Joint Attack Munitions Systems (JAMS), PEO Missiles and Space at Redstone Arsenal Alabama.</p> <p>Items requested in FY09 are identified on the following P-5 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.</p>								
P-1 ITEM NO 2		PAGE NO: 6		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (2.75 WHD WP SMOKE - H855)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
ROCKETS (2.75 WHD WP SMOKE - H855)													
2.75 WHD WP SMOKE	A				13,479	\$227	\$3,061	6,249	\$419	\$2,621	16,302	\$532	\$8,677
PRODUCTION SUPPORT													
WHITE PHOS MATERIAL FILL							\$545						
PRODUCTION ENGINEERING							\$460			\$102			\$260
TOTALS:					13,479		\$4,066	6,249		\$2,723	16,302		\$8,937

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 7	Page 1 of 1
--	-------------------------	--	----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (2.75 WHD WP SMOKE - H855)
--	--

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
ROCKETS (2.75 WHD WP SMOKE - H855)									
2.75 WHD WP SMOKE									
FY2007(1)	13,479	\$227	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GENERAL DYNAMICS ARMAMENT/ BURLINGTON, VT	Mar-07	Jul-09		
FY2008(1)	6,249	\$419	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GENERAL DYNAMICS ARMAMENT/ BURLINGTON, VT	Mar-08	Jul-10	Yes	
FY2009(1)	16,302	\$532	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GENERAL DYNAMICS ARMAMENT/ BURLINGTON, VT	Mar-09	Jul-11	Yes	

Remarks:
 Cost information is in actual dollars.

(1) Contract has FY05 base year with 4 option years.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (ITEMS LESS THAN \$5 MILLION)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$17,747	\$12,835	\$10,780	\$10,000	\$9,919	\$9,113	\$8,731
<p>Description:</p> <p>All items have an annual procurement value of less than \$5,000,000 and are Code A.</p> <p>These items are procured through the U.S Army Missile Command, Joint Attack Munitions Systems (JAMS), PEO Missiles and Space at Redstone Arsenal Alabama.</p> <p>Items requested in FY09 are identified on the following P-40A-IL 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.</p>								
P-1 ITEM NO 2		PAGE NO: 9		Page 1 of 1				

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (ITEMS LESS THAN \$5 MILLION)
--	---

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
LAUNCHER, LAU-131A F/2.75 RKT (H149)	1340012305317			142	\$1,200
2.75 INCH ILLUM (H812)	1340014560978			2,983	\$4,500
RKT MOTOR GTR-18 (YW33)	1340011306282			5,812	\$1,000
INTRVALMTR RKT LAU-131 F/2.75 (H103)	1340001575917			43	\$80
2.75 FLARE IR (HA06)				3,540	\$4,000
TOTALS:					\$10,780

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 10	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$147,550	\$164,225	\$150,815	\$170,914	\$181,185	\$181,500	\$185,697
<p>Description:</p> <p>FY2008 funding totals do not include \$35.154M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The items within this category include various bullets, expulsion devices (impulse cartridges) and airborne counter measures used to support training qualification and war reserve requirements. Impulse cartridges are used to expel an asset from its mating system (an adapter rack or casing).</p> <p>Representative items requested in FY09 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 3		PAGE NO: 11		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)
--	---

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CARTRIDGES (OVERVIEW)									
20MM TP PGU-27 (AA24)	A			1,883,855	\$11,043	3,321,075	\$19,000	2,906,724	\$16,755
20MM PGU-28/B SEMI-AP-HEI (AA22)	A			164,786	\$4,000	493,591	\$11,927	830,975	\$12,111
30MM PGU-13 REMAN (AB22)	A					463,779	\$12,654	329,476	\$9,556
20MM M56 PELE (AA83)	A					83,672	\$4,051	395,673	\$13,556
30MM PGU-15/B (B116)	A			2,942,973	\$44,699	3,435,149	\$50,877	2,734,279	\$44,445
ITEMS LESS THAN 5 MILLION DOLLARS	A				\$87,808		\$65,716		\$54,392
TOTALS:					\$147,551		\$164,225		\$150,815

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 3		PAGE NO: 12	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B - AA24)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$11,043	\$19,000	\$16,755	\$20,093	\$20,000	\$19,671	\$20,041
<p>Description:</p> <p>The 20MM target practice (TP) round is used for air-to-air and air-to-ground training in the M61 aircraft gun on F-15 and F-16 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.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA) and Engineering Support Costs are provided to the Navy.</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 3		PAGE NO: 13		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B - AA24)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
20MMTP	A				1,883,855	\$5	{ \$9,722 }	3,321,075	\$6	{ \$18,977 }	2,906,724	\$6	{ \$16,734 }
LOAD, ASSEMBLE, PACK					1,883,855	\$5	\$9,476	3,321,075	\$6	\$18,529	2,906,724	\$6	\$16,336
BOX METAL M548					7,535	\$29	\$220	13,284	\$30	\$397	11,626	\$30	\$352
PALLET MK3-0					156	\$166	\$26	276	\$189	\$52	242	\$194	\$47
PRODUCTION SUPPORT													
QUALITY ASSURANCE							\$22			\$19			\$21
ACCEPTANCE TESTING							\$6			\$4			
NONRECURRING													
MATERIEL CHANGE							\$1,291						
PACKAGE, CRATING & HANDLING							\$3						
TOTALS:					1,883,855		\$11,043	3,321,075		\$19,000	2,906,724		\$16,755

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 3		PAGE NO: 14	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B - AA24)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
20MM TP										
FY2007(1)	1,883,855	\$5	AFMC/OO-ALC	MIPR/C/FPW/OPT	ARMY/ALLIANT TECH/MN	Apr-07	Jan-08			
FY2008(1)	3,321,075	\$6	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Apr-08	Apr-09	Yes		
FY2009(1)	2,906,724	\$6	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Apr-09	Apr-10	Yes		
Remarks: Cost information is in actual dollars. (1) Contract has an FY07 base year with 4 option years.										
		P-1 ITEM NO 3			PAGE NO: 15					Page 1 of 1

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: (20MM PGU-28/B SEMI-AP-HEI - AA22)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$4,000	\$11,927	\$12,111	\$17,364	\$2,610	\$1,500	\$659
<p>Description:</p> <p>The 20MM PGU-28A/B 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.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 3		PAGE NO: 16		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: (20MM PGU-28/B SEMI-AP-HEI - AA22)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
20MM PGU-28/B SEMI-AP-HEI - AA22	A				164,786	\$24	{ \$3,977 }	493,591	\$24	{ \$11,912 }	830,975	\$15	{ \$12,093 }
LOAD, ASSEMBLE, PACK					164,786	\$24	\$3,955	493,591	\$24	\$11,846	830,975	\$14	\$11,958
BOX METAL M548					659	\$30	\$20	1,974	\$30	\$59	3,407	\$30	\$103
PALLET MK3-0					13	\$176	\$2	41	\$176	\$7	167	\$194	\$32
PRODUCTION SUPPORT													
QUALITY ASSURANCE							\$23			\$15			\$18
TOTALS:					164,786		\$4,000	493,591		\$11,927	830,975		\$12,111

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 3		PAGE NO: 17	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: (20MM PGU-28/B SEMI-AP-HEI - AA22)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
20MM PGU-28/B SEMI-AP-HEI - AA22										
FY2007	164,786	\$24	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARION, IL	Jul-07	Dec-07			
FY2008	493,591	\$24	AFMC/OO-ALC	MIPR/C/FFP	ARMY/UNKNOWN	Mar-08	Mar-09	Yes		
FY2009	830,975	\$15	AFMC/OO-ALC	MIPR/C/FFP	ARMY/UNKNOWN	Mar-09	Mar-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY07 was awarded on a contract the Navy had optioned and space available for Air Force order. FY08 will be a different contract method/type. (2) FY09 unit price is lower due to increased order quantity.</p>										
			P-1 ITEM NO 3				PAGE NO: 18	Page 1 of 1		

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: (30MM PGU-13 REMAN - AB22)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$12,654	\$9,556	\$9,988	\$17,384	\$14,534	\$15,345
<p>Description:</p> <p>The 30MM PGU-13 HEI round is used for air-to-air and air-to-ground targets in the GAU-8/A Cannon on A-10 aircraft. This ammunition is used by the Air Force for combat use only.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 3		PAGE NO: 19					Page 1 of 1	

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: (30MM PGU-13 REMAN - AB22)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
30MM PGU-13 REMAN - AB22	A							463,779	\$27	{ \$12,599 }	329,476	\$29	{ \$9,517 }
LOAD, ASSEMBLE, PACK								463,779	\$25	\$11,594	329,476	\$27	\$8,917
CONTAINER CNU-332E								835	\$850	\$710	573	\$679	\$389
TUBE AND STRAP ASSEMBLY F/CTG 30M								835	\$353	\$295	573	\$367	\$211
PRODUCTION SUPPORT													
QUALITY ASSURANCE										\$20			\$25
ACCEPTANCE TESTING										\$35			\$14
TOTALS:								463,779		\$12,654	329,476		\$9,556

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 3		PAGE NO: 20	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: (30MM PGU-13 REMAN - AB22)
--	--

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
30MM PGU-13 REMAN - AB22									
FY2008	463,779	\$27	AFMC/OO-ALC	MIPR/C/FFP	ARMY/UNKNOWN	Mar-08	Mar-09	Yes	
FY2009	329,476	\$29	AFMC/OO-ALC	MIPR/C/FFP	ARMY/UNKNOWN	Mar-09	Mar-10	Yes	

Remarks:
Cost information is in actual dollars.

	P-1 ITEM NO 3		PAGE NO: 21	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20MM PELE-AA83)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$4,051	\$13,556	\$13,456	\$19,445	\$19,936	\$19,101
<p>Description:</p> <p>The 20MM Penetrator with Enhanced Lateral Efficiency (PELE) is a cartridge with a steel walled projectile, containing a plastic core. Upon impact with the target, the plastic core is compressed causing the steel case to burst into fragments. It is designed for use in F-15 and F-16 aircraft M61 gun systems against aircraft and light material targets. The round's ballistics are compatible with current fighter computer systems.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 3		PAGE NO: 22		Page 1 of 1				

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (20MM PELE-AA83)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
20MM PELE - AA83	A							83,672	\$48	(\$4,030)	395,673	\$34	{ \$13,547 }
LOAD, ASSEMBLE, PACK (LAP)								83,672	\$48	\$4,019	395,673	\$34	\$13,493
BOX METAL M548								334	\$30	\$10	1,582	\$30	\$48
PALLET MK3-0								6	\$189	\$1	32	\$194	\$6
PRODUCTION SUPPORT													
QUALITY ASSURANCE										\$19			\$9
ACCEPTANCE TESTING										\$2			
TOTALS:								83,672		\$4,051	395,673		\$13,556

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 3		PAGE NO: 23	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (20MM PELE-AA83)
--	---

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
20MM PELE - AA83									
FY2008(1)	83,672	\$48	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/ALLIANT TECH/MN	Apr-08	Apr-09	Yes	
FY2009	395,673	\$34	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ALLIANT TECH/MN	Apr-09	Apr-10	Yes	

Remarks:
 Cost information is in actual dollars.

(1) Contract will have an FY08 base year with 4 option years.

	P-1 ITEM NO 3		PAGE NO: 24	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B - B116)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$44,699	\$50,877	\$44,445	\$49,145	\$49,045	\$49,276	\$49,130
<p>Description:</p> <p>The 30MM Target Practice (TP) cartridge is a solid, inert projectile used to train aircrew in the use of the GAU-8/A cannon on the A-10 aircraft and the PGU-5/A 30MM gun pod on the F-16 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.</p> <p>This item is procured through the Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 3		PAGE NO: 25		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B - B116)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
30MMTP	A				2,942,973	\$14.05	{\$41,362}	3,435,149	\$14.74	{\$50,632}	2,734,279	\$16.25	{\$44,421}
LOAD,ASSEMBLE,PACK					2,942,973	\$12.39	\$36,457	3,435,149	\$13.87	\$47,648	2,734,279	\$14.43	\$39,444
CONTAINER CNU-332E					5,118	\$610.00	\$3,122	5,974	\$139.99	\$836	4,755	\$679.27	\$3,230
TUBE AND STRAP ASSEMBLY					5,118	\$348.53	\$1,784	5,974	\$359.58	\$2,148	4,755	\$367.39	\$1,747
PRODUCTION SUPPORT													
QUALITY ASSURANCE							\$218			\$45			\$25
ACCEPTANCE TESTING							\$627			\$200			
NONRECURRING													
MATERIEL CHANGE (1)							\$2,229						
REWORK (2)							\$263						
TOTALS:					2,942,973		\$44,699	3,435,149		\$50,877	2,734,279		\$44,445

Remarks:
 Total Cost information is in thousands of dollars.

(1) Materiel Change - To cover EPA & REA for ATK - Specifically SGGI & Salt Spray Requirements.
 (2) Re-Work - To cover the repair of CNU-332 Containers at Bluegrass Army Depot.

	P-1 ITEM NO 3		PAGE NO: 26	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B - B116)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
30MM TP										
FY2007(1)	2,942,973	\$14.05	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/GD-OTS/MARIAN, IL/ ALLIANT TECH/MN	Jul-07	Mar-08			
FY2008(1)	3,435,149	\$14.74	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARIAN, IL/ ALLIANT TECH/MN	Mar-08	Jan-09	Yes		
FY2009(1)	2,734,279	\$16.25	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARIAN, IL/ ALLIANT TECH/MN	Mar-09	Jan-10	Yes		
Remarks: Cost information is in actual dollars. (1) Contract has an FY07 base year with 4 option years.										
		P-1 ITEM NO 3			PAGE NO: 27					Page 1 of 1

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)
--	--

		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$87,808	\$65,716	\$54,392	\$60,868	\$72,701	\$76,583	\$81,421

Description:
 FY2008 funding totals do not include \$35.154M FY2008 GWOT requirements still pending Congressional consideration.

All items have an annual procurement of less than \$5,000,000 and are Code A.

Representative items requested in FY09 are identified on the following P-40A-IL. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.

	P-1 ITEM NO 3		PAGE NO: 28	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)

DATE: FEBRUARY 2008

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:
CARTRIDGES (ITEMS LESS THAN \$5 MILLION)

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
CARTRIDGES (ITEMS LESS THAN \$5 MILLION)					
.45 CAL BALL M1911 (A475)	1305003011685			221,598	\$150
40MM TP MK-19 POWDERED (BA12)				55,091	\$2,000
CHAFF, RR-196 (CY94)				76,522	\$3,000
5.56 DYE MARKING CART BLUE LINKED (AA91)	1305015252020			750,000	\$450
5.56 DYE MARKING CART RED LINKED (AA92)	1305015252025			750,000	\$450
12 GAUGE FRANGIBLE (AA82)	1305015055304			100,000	\$50
9MM BALL MARKING DYE RED (AA12)	1305014399717			1,271,545	\$450
9MM BALL DYE MARKING CART BLUE (AA21)	1305014493208			1,165,803	\$450
5.56MM DYE MARKING CART BLUE (AB05)	1305015336670			1,000,000	\$500
5.56MM DYE MARKING CART RED (AB06)	1305015336674			1,000,000	\$500
CTG CAL .38 WADCUTTER (A404)	1305003011691			1	\$60
CTG .38 CAL BLANK (A403)	1305008108250			1	\$60

P-1 ITEM NO
3

PAGE NO:
29

Page 1 of 5

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
CTG 7.62MM M993 SINGLE ROUND (AA03)	1305013981450			4,762	\$10
CTG 7.62MM DUMMY M172 LINK (A159)	1305009264009			14,153	\$25
CTG 12 GAUGE #9 SHOT (A017)	1305012327415			76,382	\$25
7.62MM BALL DIM TRACER (A257)	1305013809803			850,330	\$592
RR-188 CHAFF (3W37)	5865013381200AQ			439,583	\$1,477
RR-180 CHAFF (SY16)	1370012705149			65,284	\$500
BBU-48 IMPULSE CARTRIDGE (SS27)	1377012859721			60,168	\$500
5.56MM LINKED FRANGIBLE (AA85)	1305015090177			4,480,793	\$2,123
.50 CAL LINKED 4 API/1 API TRACER (A576)	1305000286603			180,951	\$600
BBU-35 IMP CART (MG62)	1377014561933			2,004,230	\$3,506
5.56MM NATO BALL CLIPPED (A059)	1305011555459			1,418,037	\$500
5.56MM SAW (A062)	1305012588692			1,067,235	\$500
5.56MM 4-1 TRACER (SAW) (A064)	1305012520153			1,980,982	\$1,000
P-1 ITEM NO 3		PAGE NO: 30		Page 2 of 5	

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)

DATE: FEBRUARY 2008

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:
CARTRIDGES (ITEMS LESS THAN \$5 MILLION)

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
5.56MM BLANK (A080)	1305001823217			10,952,902	\$2,000
5.56MM FRANG (AA40)	1305014638232			12,564,102	\$4,900
5.56MM AP LINKED M995 (AA01)	1305013937050			22,771	\$80
7.62MM 4/1 (A131)	1305008922150			1,287,498	\$1,000
PGU-30A/B (WAS A679) (AA28)	1305014518574			146,233	\$2,000
CTG, 30MM PGU-14 API REMANUFACTURED (AB20)	1305015391348			64,338	\$1,829
7.62 CARTRIDGE M80 4-1 (A165)	1305009263942			1,468,768	\$997
SIGNAL MK-4 MOD 3 (F562)	1325014950239			571,321	\$2,450
.50 CAL BALL LINK (A555)	1305000286574			441,542	\$1,153
.50 CAL BALL/TCR LKD M2/M9 (A557)	1305013702594			353,369	\$1,000
.45 CAL BALL WAD (A482)	1305008924230			453,103	\$200
.45 CAL BALL (MATCH GRADE) (A483)	1305008922526			316,445	\$193
9MM BALL (A363)	1305011729558			6,986,564	\$1,092

P-1 ITEM NO
3

PAGE NO:
31

Page 3 of 5

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
9MM BALL FRANGIBLE (AA16)	1305014428717			7,326,007	\$2,000
BBU-36 IMPULSE CARTRIDGE (MG11)	1377010378650			561,902	\$900
7.62MM BALL TRACER 9/1 (A168)	1305001523292			1,127,268	\$1,000
7.62MM BALL M80 LINKED/M13 (A143)	1305008922330			692,808	\$500
12 GAUGE #00 BUCKSHOT (A011)	1305012328338			176,717	\$80
12 GAUGE BIRDSCARE (AY04)	1370012041525			22,727	\$25
CCU-41 IMPULSE CARTRIDGE (MF60)	1377011039120			7,974	\$50
CART IMP ARD 863-1 3000# (M189)	1377013692492			529,000	\$2,328
CART IMP ARD 446 1B (WB33)	1377014821555			80,000	\$500
7.62MM BLANK M82 (A111)	1305011811750			454,959	\$200
.50 CAL DIM TRACER (AA50)	1305014734766			122,712	\$1,000
22. CAL BALL LONG MATCHGRADE (A091)	1305012559109			152,129	\$60
7.62 BLANK SINGLE (A112)	1305009905594			376,364	\$200
	P-1 ITEM NO 3		PAGE NO: 32		Page 4 of 5

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)
--	--

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
CART, IMPULSE BBU-59/B (WD01)				6,370	\$1,279
CTG, 40MM PRACTICE M781 (B519)	1310012118073			103,132	\$400
40MM CTG HEDP M430 (B542)	1310014198203			26,921	\$1,000
CTG, 40MM TARGET PRACTICE (B576)	1310013169973			78,308	\$1,500
CTG 40MM TP M918 LINKED F/MK19 (B584)	1310013175948			88,224	\$2,499
BBU-63 (SS44)				2,363	\$500
TOTALS:					\$54,392

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 3		PAGE NO: 33	Page 5 of 5
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (OVERVIEW)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$14,976	\$25,904	\$24,590	\$27,973	\$25,309	\$25,723	\$28,202
<p>Description:</p> <p>Items in this category consist of non-explosive training shapes used to provide combat air forces with aircrew weapons delivery training. They simulate the drop trajectory of explosives loaded bombs without the explosives.</p> <p>Representative items requested in FY09 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 4		PAGE NO: 34		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (OVERVIEW)
--	---

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK82 INERT/BDU-50C/B (EB71)	A			14,382	\$13,334	16,915	\$15,636	16,637	\$15,696
ITEMS LESS THAN \$5M	A				\$1,642		\$10,268		\$8,894
TOTALS:					\$14,976		\$25,904		\$24,590

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 4		PAGE NO: 35	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-50C/B INERT - EB71)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$13,334	\$15,636	\$15,696	\$15,822	\$13,910	\$15,372	\$14,906
<p>Description:</p> <p>The BDU-50C/B is 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.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 4		PAGE NO: 36					Page 1 of 1	

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-50C/B INERT - EB71)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BDU-50C/B INERT - EB71	A				14,382	\$926	(\$13,314)	16,915	\$924	(\$15,630)	16,637	\$943	(\$15,693)
BDU-50 PRACTICE BOMB					14,382	\$849	\$12,204	16,915	\$867	\$14,657	16,637	\$889	\$14,789
SUSP LUG MS3314					29,077	\$19	\$546	34,169	\$22	\$752	33,607	\$18	\$621
PALLET MHU-149/E					2,447	\$156	\$382	2,876			2,829		
PALLET INSPECTION, MHU149/E					2,447	\$75	\$183	2,876	\$77	\$220	2,840	\$100	\$283
PRODUCTION SUPPORT													
QUALITY ASSURANCE							\$20			\$6			\$3
TOTALS:					14,382		\$13,334	16,915		\$15,636	16,637		\$15,696

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 4		PAGE NO: 37	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-50C/B INERT - EB71)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
BDU-50C/B INERT - EB71(1)										
FY2007	14,382	\$926	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ALLIED MECHANICAL/APPLETON, WI	Mar-07	Nov-07			
FY2008	16,915	\$924	AFMC/OO-ALC	MIPR/C/FFP	ARMY/UNKNOWN	Mar-08	Nov-08	Yes		
FY2009	16,637	\$943	AFMC/OO-ALC	MIPR/C/FFP	ARMY/UNKNOWN	Mar-09	Nov-09	Yes		
Remarks: Cost information is in actual dollars. (1) FY08 contract will be a three year Indefinite Delivery Indefinite Quantity (IDIQ) competitive contract.										
			P-1 ITEM NO 4			PAGE NO: 38	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (ITEMS LESS THAN \$5 MILLION)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$1,642	\$10,268	\$8,894	\$12,151	\$11,399	\$10,351	\$13,296
<p>Description: All items have an annual procurement of less than \$5,000,000 and are Code A. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 4		PAGE NO: 39		Page 1 of 1				

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (ITEMS LESS THAN \$5 MILLION)
--	--

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
BDU-56 2000LB PRACTICE BOMB (E756)				274	\$1,056
BDU-56 CDI					\$2,000
BLU-113/A D-1 INERT BOMB (E989)				18	\$2,951
MK-83-4 INERT (EC37)				288	\$794
BLU-109 (D-1)/B (F034)				60	\$1,183
MK-84 INERT (F262)				300	\$911
TOTALS:					\$8,894

Remarks:
Cost information is in thousands of dollars.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (OVERVIEW)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$250,523	\$140,541	\$149,695	\$156,295	\$150,834	\$153,501	\$159,096
<p>Description:</p> <p>FY2008 funding total includes \$6M in congressional adds for GBU-49.</p> <p>FY2008 funding totals do not include \$7.887M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The General Purpose (GP) Bombs category includes all high explosive air delivered bombs and associated fins and guidance kits. The warfighter delivers these munitions via fighter or bomber aircraft in support of both training and wartime contingency taskings. GP Bombs can be used as either unguided weapons or as guided munitions after the installation of a guidance and control kit.</p> <p>Items requested in FY09 are identified on the following P-40A 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.</p>								
P-1 ITEM NO 5		PAGE NO: 41		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (OVERVIEW)
--	--

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BLU-110 1000 LB GP BOMB (EB28)	A			2,388	\$17,998	1,596	\$9,809	1,370	\$8,130
MXU-650 FIN ASSEMBLY	A			7,859	\$32,015	5,098	\$18,215	8,056	\$29,111
GBU-10/12 COMPUTER CONTROL GROUP	A			5,919	\$51,318	3,993	\$35,415	4,197	\$37,225
BLU-109/B PENETRATOR (EC72)	A			3,358	\$52,921	2,061	\$40,038	1,615	\$38,424
BLU117 2000 LB GP BOMB (ED02)	A			7,672	\$59,454	1,203	\$18,932	1,734	\$28,790
ITEMS LESS THAN 5 MILLION GP BOMBS	A				\$36,817		\$18,131		\$8,015
TOTALS:					\$250,523		\$140,541		\$149,695

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 5		PAGE NO: 42		Page 1 of 1
--	-------------------------	--	-----------------------	--	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB - EB28)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$17,998	\$9,809	\$8,130	\$11,017	\$6,868	\$3,566	\$3,776
<p>Description:</p> <p>The BLU-110B/B is 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.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 5		PAGE NO: 43		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB - EB28)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BLU-110B/B	A				2,388	\$7,537	(\$17,998)	1,596	\$6,146	(\$9,809)	1,370	\$5,935	(\$8,130)
LOAD ASSEMBLE & PACK					2,388	\$1,657	\$3,957	1,596	\$1,105	\$1,764	1,370	\$1,483	\$2,032
RECEIPT OF GFM					2,436	\$11	\$26	1,630	\$15	\$25	1,397	\$21	\$29
BOMB BODY BLU-110B/B (1)					2,436	\$2,005	\$4,884	1,630	\$2,278	\$3,714	1,398	\$2,171	\$3,035
LUG SUSPENSION MS3314					4,824	\$19	\$91	3,217	\$22	\$71	2,766	\$18	\$51
CXM-7 (LB)					1,294,296	\$7	\$8,659	425,254	\$9	\$3,963	365,523	\$7	\$2,720
PALLET MHU-187					812	\$459	\$373	545	\$483	\$263	466	\$543	\$253
NAVY ENGINEERING SUPPORT							\$8			\$6			\$8
QUALITY ASSURANCE (2)										\$4			\$3
TOTALS:							\$17,998			\$9,809			\$8,130

Remarks:
 Total Cost information is in thousands of dollars.

(1) Three percent more bomb bodies are procured to account for defects.
 (2) Quality assurance consists of funding for Army personnel to travel to production facilities.

	P-1 ITEM NO 5		PAGE NO: 44	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB - EB28)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
BLU-110B/B										
FY2007(1)	2,388	\$7,537	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-07	Jun-08			
FY2008(1)	1,596	\$6,146	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-08	Nov-09	Yes		
FY2009(1)	1,370	\$5,935	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-09	Nov-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>General Dynamics Ordnance and Tactical Systems, Garland, TX, produces the bomb bodies. McAlester Army Ammunition Plant Loads, Assembles, and Packs (LAP) the bombs.</p> <p>(1) Contract has an FY06 base year with 4 option years.</p>										
P-1 ITEM NO 5			PAGE NO: 45			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$32,015	\$18,215	\$29,111	\$31,381	\$26,929	\$24,632	\$26,475
<p>Description:</p> <p>FY2008 funding totals do not include \$1.473M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The MXU-650 Fin Assembly consists of a tail fin and forward canards used on the GBU-12 (MK-82 Warhead, 500lb class) PAVEWAY II Laser Guided Bomb (LGB). The PAVEWAY II system has folding wings which open upon release for increased maneuverability. These weapons are primarily used for precision bombing against non-hardened targets.</p> <p>This item is procured through the Ogden Air Logistics Center.</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 5		PAGE NO: 46		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
GENERAL PURPOSE BOMBS (MXU-650 GBU-12 (EC32, EC29))													
MXU-650 GBU-12	A				7,859	\$4,074	{\$32,015}	5,098	\$3,573	{\$18,215}	8,056	\$3,614	{\$29,111}
MXU-650/BKIT					7,859	\$3,822	\$30,037	5,097	\$3,322	\$16,932	8,056	\$3,359	\$27,060
PALLET					4,450	\$3	\$13	1,593	\$3	\$5	4,047	\$3	\$12
DRUM CONTAINER (YY52)					7,859	\$250	\$1,965	5,098	\$251	\$1,278	8,059	\$253	\$2,039
TOTALS:					7,859		\$32,015	5,098		\$18,215	8,056		\$29,111

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 5		PAGE NO: 47	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY)
--	--

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
MXU-650 GBU-12									
FY2007(1)	7,859	\$4,074	AFMC/OO-ALC	OPT/FFP	LOCKHEEDMARTIN/ ARCHBALD,PA/ RAYTHEON/TUCSON, AZ	Apr-07	Apr-08		
FY2008(1)	5,098	\$3,573	AFMC/OO-ALC	OPT/FFP	LOCKHEEDMARTIN/ ARCHBALD,PA/ RAYTHEON/TUCSON, AZ	Apr-08	Apr-09	Yes	
FY2009(1)	8,056	\$3,614	AFMC/OO-ALC	OPT/FFP	LOCKHEEDMARTIN/ ARCHBALD,PA/ RAYTHEON/TUCSON, AZ	Apr-09	Apr-10	Yes	

Remarks:
 Cost information is in actual dollars.

(1) FY07 through FY09 are options of the FY03 basic contract. Contracts will be split between Raytheon and Lockheed when procurement quantities allow economy of scale. Otherwise, the full procurement will be awarded to the lowest bidder.

	P-1 ITEM NO 5		PAGE NO: 48		Page 1 of 1
--	-------------------------	--	-----------------------	--	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-10/12 COMPUTER CONTROL GROUP)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$51,318	\$35,415	\$37,225	\$38,701	\$44,703	\$63,480	\$67,754
<p>Description:</p> <p>FY2008 funding totals do not include \$2.202M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The GBU-10/12 Computer Control Group is a laser homing guidance unit used on the GBU-10 (MK-84 Warhead, 2000lb class) or GBU-12 (MK-82 Warhead, 500lb class) PAVEWAY II Laser Guided Bomb (LGB). 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.</p> <p>This item is procured through the Ogden Air Logistics Center.</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
		P-1 ITEM NO 5			PAGE NO: 49	Page 1 of 1		

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-10/12 COMPUTER CONTROL GROUP)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
GBU-10/12 COMPUTER CONTROL GROUP	A				5,919	\$8,670	(\$51,318)	3,993	\$8,869	(\$35,415)	4,197	\$8,870	(\$37,225)
GBU-10/12 COMPUTER CONTROL GROUP KIT					5,919	\$8,413	\$49,796	3,993	\$8,607	\$34,370	4,197	\$8,608	\$36,126
PALLET					657	\$3	\$2	445	\$3	\$1	460	\$3	\$1
CONTAINER CNU-317					5,914	\$257	\$1,520	3,993	\$261	\$1,043	4,208	\$261	\$1,098
TOTALS:					5,919		\$51,318	3,993		\$35,415	4,197		\$37,225

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 5		PAGE NO: 50	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-10/12 COMPUTER CONTROL GROUP)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
GBU-10/12 COMPUTER CONTROL GROUP										
FY2007	5,919	\$8,670	AFMC/OO-ALC	OPT/FFP	LOCKHEEDMARTIN/ ARCHBALD,PA/ RAYTHEON/TUCSON,AZ	Apr-07	Apr-08			
FY2008(1-2)	3,993	\$8,869	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Apr-08	Aug-09	Yes		
FY2009(1-2)	4,197	\$8,870	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Apr-09	Aug-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY07 procurement is an option of FY03 basic contract with 6 option years. (2) FY08 & FY09 procurement may be split between Raytheon and Lockheed depending upon offers received and funding.</p>										
			P-1 ITEM NO 5			PAGE NO: 51	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - (EC72				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$52,921	\$40,038	\$38,424	\$32,432	\$31,773	\$30,067	\$30,192
<p>Description:</p> <p>The BLU-109 warhead is a 2000-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.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Items requested in FY09 are identified on the following P-5 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.</p>								
P-1 ITEM NO 5		PAGE NO: 52		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - (EC72))
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BLU-109	A				3,358	\$15,745	(\$52,872)	2,061	\$19,405	(\$39,994)	1,615	\$23,777	(\$38,400)
LOAD ASSEMBLE & PACK					3,358	\$2,684	\$9,012	2,061	\$2,704	\$5,573	1,615	\$3,092	\$4,993
BOMB BODY BLU-109					3,358	\$11,470	\$38,518	2,061	\$12,187	\$25,118	1,615	\$16,759	\$27,065
CNU 417 CONTAINER					1,679	\$1,948	\$3,270	1,446	\$2,069	\$2,992	900	\$2,225	\$2,002
ALUMINUM POWDER (LB)					631,304	\$1	\$795						
TNT TYPE I FLAKE (LB)					523,848	\$2	\$1,252						
CXM-7								675,175	\$9	\$6,296	579,000	\$7	\$4,308
RECEIPT OF GFM MATERIAL					3,358	\$7	\$25	2,061	\$8	\$16	1,615	\$19	\$31
PRODUCTION SUPPORT													
PRODUCTION ENGINEERING							\$42			\$41			\$22
QUALITY ASSURANCE (1)							\$7			\$3			\$2
TOTALS:							\$52,921			\$40,038			\$38,424

Remarks:
Total Cost information is in thousands of dollars.

(1) Quality assurance consists of funding for Army personnel to travel to production facilities.

	P-1 ITEM NO 5		PAGE NO: 53	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - (EC72
--	---

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
BLU-109									
FY2007(1)	3,358	\$15,745	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-07	Sep-08		
FY2008(1)	2,061	\$19,405	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-08	Oct-09	Yes	
FY2009(1)	1,615	\$23,777	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-09	Oct-10	Yes	

Remarks:
 Cost information is in actual dollars.

Ellwood National Forge Company, Irvine, PA, produces the bomb bodies. McAlester Army Ammunition Plant Loads, Assembles, and Packs, (LAP) the bombs.

(1) Contract has an FY06 base year with three option years.

	P-1 ITEM NO 5		PAGE NO: 54		Page 1 of 1
--	-------------------------	--	-----------------------	--	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-117 2000 LB GP BOMB - ED02)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$59,454	\$18,932	\$28,790	\$31,979	\$33,643	\$25,096	\$25,262
<p>Description:</p> <p>FY2008 funding totals do not include \$2.56M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The BLU-117 is a 2,000-pound class general purpose bomb. The bomb produces blast and fragmentation effects and can be used as either an unguided high or low drag weapon. When used with a guidance kit, it can be employed as a precision guided bomb. The warhead is used on the Paveway II, Paveway III, GBU-15, and Joint Direct Attack Munition weapon systems. The BLU-117 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects.</p> <p>The nomenclature has changed from MK-84 2000 LB GP BOMB - F275 to BLU-117 2000 LB GP BOMB - ED02. The BLU-117 2000 LB GP BOMB is an Insensitive Munition (IM) compliant version of the MK-84 2000 LB GP BOMB.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 5		PAGE NO: 55		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-117 2000 LB GP BOMB - ED02)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BLU-117 2000 LB GP BOMB - ED02	A				7,672	\$7,733	(\$59,330)	1,203	\$15,699	(\$18,886)	1,734	\$16,578	(\$28,746)
LOAD ASSEMBLE & PACK					5,038	\$1,099	\$5,538						
RECEIPT OF GFM MATERIAL					7,672	\$13	\$97	1,234	\$17	\$21	1,774	\$17	\$31
MK-84 BOMB BODY (1)					5,100	\$2,551	\$13,010						
LUG SUSP MK3 (1)					16,159	\$48	\$776	2,536	\$50	\$126	3,658	\$52	\$192
TNT TYPE 1 FLAKE (LB)					4,000,172	\$2	\$9,527						
ALUMINUM POWDER					977,372	\$2	\$1,960						
CXM-AF7 (LB)					1,621,000	\$9	\$14,153	740,436	\$9	\$6,619	1,068,255	\$9	\$10,095
BLU-117 BOMB BODY					2,700	\$2,551	\$6,888	1,235	\$6,079	\$7,508	1,772	\$6,427	\$11,389
LOAD ASSEMBLE & PACK/CXM-AF7					2,600	\$2,032	\$5,283	1,203	\$3,525	\$4,241	1,736	\$3,726	\$6,468
PALLET MK79					3,836	\$547	\$2,098	604	\$616	\$372	878	\$651	\$572
PRODUCTION SUPPORT													
QUALITY ASSURANCE (2)							\$22			\$6			\$2
ACCEPTANCE TESTING							\$102						

	P-1 ITEM NO 5		PAGE NO: 56	Page 1 of 2
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2008				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-117 2000 LB GP BOMB - ED02)									
WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
NAVY ENGINEERING SUPPORT											\$39			\$41
TOTALS:							\$59,454				\$18,932			\$28,790
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>In accordance with the Air Force Insensitive Munitions (IM) Strategic Plan, some of the bombs procured in FY06 and FY07 will be loaded assembled and packed with a new more expensive explosive fill, AFX-795, instead of TNT. The bomb bodies which will have the new explosive fill are also modified to be more insensitive to unplanned stimuli.</p> <p>In FY2007 the quantities/prices for the lugs, pallets, quality assurance and acceptance testing are combined TNT filled and CXM-AF7. All other component are seperate.</p> <p>(1) Three percent more bomb bodies and lugs are procured to account for defects. (2) Quality assurance consists of funding for Army personnel to travel to production facilities.</p>														
P-1 ITEM NO 5					PAGE NO: 57					Page 2 of 2				

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-117 2000 LB GP BOMB - ED02)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
BLU-117 2000 LB GP BOMB - ED02										
FY2007(1)	7,672	\$7,733	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/ MCALESTER, OK	Mar-07	Sep-08			
FY2008(1)	1,203	\$15,699	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/ MCALESTER, OK	Mar-08	Sep-09	Yes		
FY2009(1)	1,734	\$16,578	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/ MCALESTER, OK	Mar-09	Sep-10	Yes		
Remarks: Cost information is in actual dollars. General Dynamics Ordnance and Tactical Systems, Garland, TX, produces the bomb bodies. McAlester Army Ammunition Plant Loads, Assembles, and Packs (LAP) the bombs. (1) Contract has an FY06 base year with 4 option years.										
		P-1 ITEM NO 5			PAGE NO: 58					
						Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$36,817	\$18,131	\$8,015	\$10,785	\$6,918	\$6,660	\$5,637
<p>Description:</p> <p>All items have a procurement value of less than \$5,000,000. Representative items requested in FY09 are identified on the following P-40A-IL. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 5		PAGE NO: 59		Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)
--	---

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)					
MK82 WARHEAD (E485)				1,548	\$4,644
BLU-121 A/B 2000 LB (EC64)				51	\$3,371
TOTALS:					\$8,015

Remarks:

Cost information is in thousands of dollars.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40M)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION
--	--

	PRIOR YEARS	2007	2008	2009	2010	2011	2012	2013	TOTAL
Quantity	113,545	7,261	3,817	3,647	3,592	3,620	3,454	3,453	142,389
Gross Cost (\$M)	\$2,475.424	\$194.110	\$112.021	\$105.719	\$106.088	\$109.272	\$106.859	\$108.698	\$3,318.191
Initial Spares (\$M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total (\$M)	\$2,475.424	\$194.110	\$112.021	\$105.719	\$106.088	\$109.272	\$106.859	\$108.698	\$3,318.191
Flyaway Unit Cost (\$M)	\$0.021	\$0.025	\$0.024	\$0.025	\$0.026	\$0.026	\$0.027	\$0.027	\$0.022
Wpn Sys Proc Unit Cost (\$M)	\$0.022	\$0.027	\$0.029	\$0.029	\$0.030	\$0.030	\$0.031	\$0.031	\$0.023

Description:
 FY2008 funding totals do not include \$13.094M FY2008 GWOT requirements still pending Congressional consideration.

The Joint Direct Attack Munition (JDAM) program is a joint Air Force/Navy program with the Air Force as lead service. Designated ACAT 1C, JDAM provides an accurate, adverse weather capable guidance system for general purpose bombs. This program upgrades the existing inventory of general purpose bombs (MK-84, BLU-109/B, MK-82 and MK-83) by integrating them with a field installed guidance kit that uses a global positioning system aided inertial navigation system (GPS/INS). JDAM is integrated with the B-52H, B-2A, B-1B, F-16C/D, F-117, F/A-18A+/C/D/E/F, F-15E, AV-8B, A/OA-10 and F-22A aircraft. Follow-on integrations with the MQ-9 and F-35 are in progress.

The FY2009 budget includes funding to procure 3,647 Lot 13 JDAM guidance kits.

	P-1 ITEM NO 7		PAGE NO: 61	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
JOINT DIRECT ATTACK MUNITION					7,261		{\$185,035}	3,817		{\$91,092}	3,647		{\$92,027}
AIRFRAME	A				7,261	\$25,263	\$183,438	3,817	\$23,629	\$90,190	3,647	\$24,420	\$89,059
ENGINEERING CHANGE ORDERS													\$2,088
CONTRACTOR INCENTIVE							\$1,597			\$902			\$880
SUPPORT COSTS							{\$8,968}	200		{\$20,929}	126		{\$13,692}
AIRBORNE TEST EQUIPMENT	A							200	\$32,160	\$6,432	126	\$32,873	\$4,142
PROGRAM MANAGEMENT ADMINISTRATION & MISSION SUPPORT							\$3,949			\$4,063			\$4,544
ALTERNATE DISPUTE RESOLUTION							\$50			\$50			\$52
PRODUCTION SUSTAINING ENGINEERING							\$4,969			\$10,384			\$4,954
SEEK EAGLE							\$107						
TOTALS:					7,261		\$194,110	4,017		\$112,021	3,773		\$105,719

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 7		PAGE NO: 62	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
JOINT DIRECT ATTACK MUNITION										
AIRFRAME										
FY2007	7,261	\$25,263	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Nov-06	Mar-08			
FY2008	3,817	\$23,629	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-08	Apr-09			
FY2009	3,647	\$24,420	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-09	Apr-10	Yes		
FY2010	3,592	\$25,344	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-10	Apr-11	Yes		
FY2011	3,620	\$25,887	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-11	Apr-12	Yes		
FY2012	3,454	\$26,469	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-12	Apr-13	Yes		
FY2013	3,453	\$26,990	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-13	Apr-14	Yes		
SUPPORT COSTS										
AIRBORNE TEST EQUIPMENT										
FY2008	200	\$32,160	AFMC/AAC	SS/FFP	UNKNOWN	Jul-08	Mar-09	Yes		
FY2009	126	\$32,873	AFMC/AAC	SS/FFP	UNKNOWN	Jul-09	Mar-10	Yes		
FY2010	100	\$33,587	AFMC/AAC	SS/FFP	UNKNOWN	Jul-10	Mar-11	Yes		
P-1 ITEM NO 7		PAGE NO: 63			Page 1 of 2					

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
Remarks: Cost information is in actual dollars.										
	P-1 ITEM NO 7			PAGE NO: 64					Page 2 of 2	

UNCLASSIFIED

UNCLASSIFIED

AF FORM 1537(THEN YEAR DOLLARS)				
WEAPON SYSTEM BUDGET ESTIMATE (DOLLARS IN MILLIONS)	WEAPON SYSTEM: JDAM	CONTRACTOR: BOEING	AS OF DATE: FEBRUARY 2008	APPN: 3011
CATEGORY TY\$ FY09APB	EQUIP: MUNITIONS	REPORT CONTROL SYMBOL:	PREPARED BY: ACC/YU	
PE: 27583F BPAC: 356010				

DESCRIPTION	PRIOR YEARS	2007	2008	2009	2010	2011	2012	2013	TOTAL
QUANTITY OF AURs	113,545	7,261	3,817	3,647	3,592	3,620	3,454	3,453	142,389
RECURRING HARDWARE	\$2,333.648	\$183.438	\$90.190	\$89.059	\$90.653	\$93.686	\$91.397	\$93.173	\$3,065.244
ECO	\$0	\$0	\$0	\$2.088	\$1.371	\$1.314	\$0.852	\$0.717	\$6.342
CONTRACTOR INCENTIVE	\$24.310	\$1.597	\$0.902	\$0.880	\$0.896	\$0.926	\$0.903	\$0.921	\$31.335
FLYAWAY COST	\$2,357.958	\$185.035	\$91.092	\$92.027	\$92.920	\$95.926	\$93.152	\$94.811	\$3,102.921
TEST EQUIPMENT (CMBRE)	\$7.535	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7.535
AIRBORNE TEST EQUIPMENT	\$26.240	\$0	\$6.432	\$4.142	\$3.357	\$3.426	\$3.494	\$3.564	\$50.655
DATA	\$0.060	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.060
PROGRAM MGMT./ADMIN REQ	\$22.992	\$3.949	\$4.063	\$4.544	\$4.640	\$4.735	\$4.830	\$4.926	\$54.679
SYSTEM TEST & EVALUATION	\$0.222	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.222
TRAINING	\$3.791	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3.791
PROD. SUSTAINING ENGINEERING	\$52.365	\$4.969	\$10.384	\$4.954	\$5.118	\$5.131	\$5.328	\$5.340	\$93.589
SEEK EAGLE	\$0.868	\$0.107	\$0	\$0	\$0	\$0	\$0	\$0	\$0.975
ALT. DISPUTE RESOLUTION	\$0.640	\$0.050	\$0.050	\$0.052	\$0.053	\$0.054	\$0.055	\$0.057	\$1.011
DELIVERY ACCELERATION	\$2.753	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2.753
WEAPON SYSTEM COST	\$2,475.424	\$194.110	\$112.021	\$105.719	\$106.088	\$109.272	\$106.859	\$108.698	\$3,318.191
INITIAL SPARES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROCUREMENT COST	\$2,475.424	\$194.110	\$112.021	\$105.719	\$106.088	\$109.272	\$106.859	\$108.698	\$3,318.191
TOTAL PROGRAM (TY\$)	\$2,475.424	\$194.110	\$112.021	\$105.719	\$106.088	\$109.272	\$106.859	\$108.698	\$3,318.191
APPROVED PROGRAM (TY\$)	\$2,475.424	\$194.110	\$112.021	\$105.719	\$106.088	\$109.272	\$106.859	\$108.698	\$3,318.191
DELTA (TY\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

	P-1 ITEM NO 7		PAGE NO: 65	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CAD/PAD				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$30,708	\$33,638	\$38,190	\$41,231	\$40,529	\$46,323	\$45,088
<p>Description:</p> <p>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.</p> <p>Representative items requested in FY09 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 9		PAGE NO: 66		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CAD/PAD
--	-------------------------------------

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BOMBER AIRCRAFT	A				\$7,174		\$7,607		\$7,928
CARGO AIRCRAFT	A				\$4,183		\$4,264		\$4,344
FIGHTER AIRCRAFT	A				\$6,178		\$6,039		\$8,126
TRAINING AIRCRAFT	A				\$8,098		\$10,552		\$12,203
COMMON EGRESS ITEMS	A				\$2,089		\$1,924		\$1,835
COMMON LIFE SUPPORT ITEMS	A				\$2,089		\$1,924		\$1,835
COMMON MISC ITEMS	A				\$897		\$1,328		\$1,919
TOTALS:					\$30,708		\$33,638		\$38,190

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 9		PAGE NO: 67	Page 1 of 1
--	-------------------------	--	-----------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$6,079	\$3,177	\$3,246	\$3,360	\$3,451	\$3,521	\$3,591
<p>Description:</p> <p>FY2007 funding total includes \$3M in GWOT supplemental.</p> <p>Explosive Ordnance Disposal (EOD)/Civil Engineering Demolition Material, Tools and Equipment includes all explosives, explosive tools and related equipment to render unexploded ordnance safe. EOD items are used in deployment packages, base response assets and range clearance resources in support of peacetime and contingency operations. These items are certified for use by the Air Force Non-Nuclear Munitions Safety Board (NNMSB) and the Department of Defense Explosives Safety Board (DDESB).</p> <p>Representative items requested in FY09 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.</p>								
P-1 ITEM NO 10		PAGE NO: 68		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)						
PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
50 CAL API (A606)	A			771	\$10	763	\$10	755	\$10	
MK275 AVON (AA63)	A			769	\$5	761	\$5	752	\$5	
MK276 POPPER (AA64)	A			1,653	\$2	1,639	\$2	1,612	\$2	
MEDIUM VELOCITY BLANK (AA66)	A			1,573	\$2	1,562	\$2	1,540	\$2	
ENHANCED BLANK, MK 277 (DWEC)	A			1,775	\$10	1,079	\$6	1,067	\$6	
STEEL SLUG, MK 279 (DWED)	A			500	\$3	539	\$3	533	\$3	
ALUMINUM SLUG, MK 280 (DWEE)	A			500	\$3	539	\$3	533	\$3	
DEMINING FLARE (LA37)	A			6,300	\$100	6,075	\$96	6,075	\$96	
CHARGE, DEMOLITION C4-M112 (M023)	A			77,830	\$1,665	35,169	\$644	28,766	\$665	
CORD ASBLY DETONATING (M456)	A					20,000	\$10	19,782	\$10	
FUZE BLASTING TIME (M670)	A					246,730	\$100	46,886	\$100	
CHARGE ASBLY DEMO M183 COMP 4 (M757)	A			3,289	\$1,250	594	\$300	688	\$300	
CHARGE, DEMO SHAPED MK88 (M997)	A			144	\$37	145	\$37	65	\$17	
RELOADER (ML66)	A			49	\$1	51	\$1	51	\$1	
EXPLOSIVE CUTTING TAPE (MM53)	A									
P-1 ITEM NO 10				PAGE NO: 69		Page 1 of 3				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2008

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

EXPLOSIVES ORDNANCE DISPOSAL (EOD)

PROCUREMENT ITEMS	ID CODE	FY2007		FY2008		FY2009			
		QTY.	COST	QTY.	COST	QTY.	COST		
EXPLOSIVE CUTTING TAPE (MM54)	A			5,110	\$533	2,306	\$241	2,256	\$243
IGNITER TIME BLASTING (MN08)	A			3,499	\$25	2,948	\$25	2,850	\$25
DYNAMITE, AMONIA NITRATE 60% (MN32)	A					71,336	\$100	69,861	\$100
DYNAMITE, NITRO GLYCERIN (MN30)	A			900	\$1	606	\$1	595	\$1
DHARGE DEMO M112-1LB (MN53)	A			17,570	\$250				
SEMTEX A (MN82)	A			2,050	\$35	2,023	\$35	2,017	\$35
DYNAMITE, 75% AMMON NITRATE (MN85)	A			2,295	\$5	2,853	\$4	2,763	\$4
SHOCK TUBE W/BLASTING CAP 500 (MN88)	A					2,469	\$100	2,442	\$100
EXPLOSIVE WATER GEL (MY77)	A			3,150	\$2	1,785	\$2	1,666	\$2
DISRUPTOR, LIGHT WEIGHT (YY32)	A			200	\$25	194	\$25	191	\$25
SHOCK TUBE (YY34)	A			195	\$20	189	\$20	187	\$20
EOD TRAINING AIDS	A			1	\$400	1	\$446	1	\$420
RT 4 N/L	A							3	\$56
MINI REMOTE FIRING DEVICE	A					12	\$384	12	\$420
MK32 MOD 4 X-RAY PROCESSOR	A			6	\$55	6	\$55	6	\$55

P-1 ITEM NO
10

PAGE NO:
70

Page 2 of 3

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)
--	--

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
DEMOLITION TOOLS	A			308	\$1,620	94	\$500	94	\$500
DISRUPTOR, MAIN CHARGE (DWDF)	A			446	\$20	446	\$20	455	\$20
TOTALS:				130,883	\$6,079	402,914	\$3,177	194,504	\$3,246

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 10		PAGE NO: 71	Page 3 of 3
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SPARES AND REPAIR PARTS				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$3,737	\$4,694	\$4,618	\$4,662	\$4,784	\$4,879	\$4,976
<p>Description:</p> <p>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.</p> <p>Items requested in FY09 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.</p>								
P-1 ITEM NO 11		PAGE NO: 72					Page 1 of 1	

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: SPARES AND REPAIR PARTS
--	---

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
INITIAL SPARES					{\$413}		{\$4,276}		{\$4,618}
MISC. LOW COST INITIAL SPARES	A				\$413		\$4,276		\$4,618
REPLENISHMENT SPARES					{\$3,324}		{\$418}		
GP BOMBS	A				\$3,324		\$418		
TOTALS:					\$3,737		\$4,694		\$4,618

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO 11		PAGE NO: 73		Page 1 of 1
--	-------------------	--	----------------	--	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MODIFICATIONS				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$915	\$928	\$1,235	\$1,312	\$1,338	\$1,364	\$1,392
<p>Description:</p> <p>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.</p> <p>The FY09 funding request reflects estimated costs based on historical funding requirements and projected future requirements.</p>								
	P-1 ITEM NO 12		PAGE NO: 74		Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$4,066	\$4,140	\$2,477	\$307	\$154	\$157	\$160
<p>Description:</p> <p>FY2008 funding totals do not include \$12.100M in FY2008 GWOT requirements still pending Congressional consideration.</p> <p>This category includes various munitions items to support air base ground defense, air rescue, and aircrew/ground training. All items have an annual procurement value of less than \$5 million and are code A.</p> <p>Items requested in FY09 are identified on the following P-40A-IL 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.</p>								
P-1 ITEM NO 13		PAGE NO: 75					Page 1 of 1	

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION
--	---

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
GRENADE HAND, FRAG DELAY (G881)	1330-00-133-824			13,723	\$500
GRENADE HAND, GREEN SMOKE (G940)	1330-00-289-685			5,270	\$235
GRENADE HAND, YELLOW SMOKE (G945)	1330-00-289-685			5,430	\$245
GRENADE HAND, RED SMOKE (G950)	1330-00-289-685			5,020	\$400
GRENADE HAND, VIOLET SMOKE (G955)	1330-00-289-685			8,232	\$400
PEPPER SPRAY (KM01)	1365014385694			3,162	\$70
PEPPER SPRAY POCKET (KM02)	1365014449544			1,369	\$25
SIMULATOR, GROUND BURST (L594)	1370007528126			10,601	\$200
GRENADE HAND, PRACTICE (L601)	1370007528124			25,900	\$402
TOTALS:					\$2,477

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 13		PAGE NO: 76	Page 1 of 1
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (OVERVIEW)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$160,388	\$167,731	\$304,159	\$283,918	\$285,178	\$289,700	\$292,194
<p>Description:</p> <p>FY2008 funding totals do not include \$6.495M FY2008 GWOT requirements still pending Congressional consideration. FY2008 funding totals do not include \$106.050M for requirements deferred to GWOT in the FY08 Defense Appropriation Act</p> <p>Flares are dispensed from a variety of aircraft to either protect the aircraft by decoying enemy heat-seeking missiles or as an illumination source for reconnaissance, target marking, emergency night landings, or search and rescue.</p> <p>Increased Flares funding requirement to meet inventory objectives.</p> <p>Items requested in FY09 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.</p>								
P-1 ITEM NO 14		PAGE NO: 77					Page 1 of 1	

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2008							
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (OVERVIEW)										
PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009						
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST					
FLARES (OVERVIEW)														
SUU-25 FLARE DISPENSER (L127)	A			58	\$1,700	236	\$7,174	253	\$7,998					
M206 FLARE (L410)	A			1,124,460	\$21,655	873,253	\$20,519	1,900,236	\$50,192					
LUU-2 (L440)	A					4,126	\$3,658	7,494	\$6,844					
MJU-10/B FLARE (L461)	A			115,555	\$12,094	63,618	\$7,606	84,569	\$10,825					
MJU-7A/B IR FLARE (L463)	A			854,150	\$27,892	561,102	\$19,853	1,068,491	\$45,075					
M-211 (LA14)	A			257,420	\$27,318	174,455	\$17,739	111,109	\$11,555					
M-212 (LA15)	A			79,885	\$12,296	62,642	\$9,584	106,483	\$16,543					
MJU-50/B FLARE (LA19)	A			588,630	\$35,300	424,818	\$25,752	1,089,510	\$66,775					
MJU-51A/B FLARE (LA20)	A			5,523	\$1,019	35,620	\$6,625	72,642	\$13,649					
LUU-19 FLARE (LA29)	A					4,766	\$6,177	6,116	\$8,008					
MJU-62/B FLARE (LA36)	A			14,853	\$2,850	53,275	\$10,232	38,515	\$7,479					
ALA-17B FLARE CARTRIDGE (LY12)	A			8,843	\$4,416	19,562	\$11,161	21,947	\$12,650					
MJU-39/40 FLARE	A			2,716	\$9,678			3,562	\$12,973					
ITEMS LESS THAN \$5 MILLION	A				\$4,173		\$21,651		\$33,593					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="width: 20%; text-align: center;">P-1 ITEM NO 14</td> <td style="width: 20%;"></td> <td style="width: 20%; text-align: center;">PAGE NO: 78</td> <td style="width: 20%; text-align: right;">Page 1 of 2</td> </tr> </table>											P-1 ITEM NO 14		PAGE NO: 78	Page 1 of 2
	P-1 ITEM NO 14		PAGE NO: 78	Page 1 of 2										

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TOTALS:					\$160,388		\$167,731		\$304,159
<p>Remarks: Cost information is in thousands of dollars.</p>									
P-1 ITEM NO 14			PAGE NO: 79			Page 2 of 2			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (SUU-25 FLARE DISPENSER - L127)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$1,700	\$7,174	\$7,998	\$4,681	\$8,349	\$8,248	\$8,347
<p>Description:</p> <p>SUU-25 flare dispensers are airborne, externally mounted, reusable four-tube, rearward ejecting, pyrotechnic launching devices. Used with illumination parachute flares (LUU-2 series and LUU-19 I/R) and target marker flares (LUU-1 and LUU-5).</p> <p>This item is procured through the Ogden Air Logistics Center.</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 14		PAGE NO: 80		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (SUU-25 FLARE DISPENSER - L127)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2007			FY2008			FY2009					
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST			
SUU-25 F/A DISPENSER	A				58	\$29,318	\$1,700	236	\$30,398	\$7,174	253	\$31,613	\$7,998
TOTALS:					58		\$1,700	236		\$7,174	253		\$7,998

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 81	Page 1 of 1
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (SUU-25 FLARE DISPENSER - L127)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
SUU-25 F/A DISPENSER										
FY2007	58	\$29,318	AFMC/OO-ALC	MIPR/SS/FFP	ARMY/UNKNOWN	Apr-08	Aug-09	Yes		
FY2008(1)	236	\$30,398	AFMC/OO-ALC	C/FFP	UNKNOWN	Apr-08	Aug-10	Yes		
FY2009(2)	253	\$31,613	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	Apr-09	Aug-11	Yes		
Remarks: Cost information is in actual dollars. (1) Contract will be a competitive single year procured Ogden Air Logistics Center (OO-ALC). (2) Contract will have FY09 base year with 5 option years.										
		P-1 ITEM NO 14			PAGE NO: 82					Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$21,655	\$20,519	\$50,192	\$36,407	\$36,357	\$36,491	\$36,443
<p>Description:</p> <p>FY2008 funding totals do not include \$1.461M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The M206 is an infrared countermeasures flare used by A-10, F-16, C-17, and AC-130 aircraft against heat seeking missiles.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.</p>								
		P-1 ITEM NO 14			PAGE NO: 83			
							Page 1 of 1	

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
FLARES (M206 FLARE - L410)													
M206 FLARE	A				1,124,460	\$19.02	\$21,387	873,253	\$23.09	\$20,163	1,900,236	\$26.22	\$49,820
PRODUCTION ENGINEERING							\$268			\$343			\$367
QUALITY ASSURANCE (1)										\$13			\$5
TOTALS:					1,124,460		\$21,655	873,253		\$20,519	1,900,236		\$50,192

Remarks:
Total Cost information is in thousands of dollars.

(1) Quality assurance consists of funding for Army personnel to travel to production facilities.

	P-1 ITEM NO 14		PAGE NO: 84	Page 1 of 1
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
FLARES (M206 FLARE - L410)										
M206 FLARE										
FY2007(1)	1,124,460	\$19.02	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Feb-07	Aug-08			
FY2008(1)	873,253	\$23.09	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Mar-08	Mar-09	Yes		
FY2009(2)	1,900,236	\$26.22	AFMC/OO-ALC	MIPR/FFP W/OPT	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	May-09	Nov-10	Yes		
Remarks: Cost information is in actual dollars. (1) Contract has an FY04 base year with 5 option years. (2) FY09 will be a new base year contract with options. Award will be split between ARMTEC and KILGORE.										
		P-1 ITEM NO 14			PAGE NO: 85					
						Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-2 FLARE - L440)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$3,658	\$6,844	\$5,050	\$5,298	\$5,730	\$5,846
<p>Description: LUU-2 is an aircraft launched illuminating device. These aircraft flares 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; C-130 ACFT LAU-74 cargo door launcher or hand launched.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 14		PAGE NO: 86		Page 1 of 1				

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (LUU-2 FLARE - L440)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
FLARES (LUU-2 FLARE - L440)													
LUU-2 D/B FLARE	A							4,126	\$886	(\$3,654)	7,494	\$913	(\$6,841)
LOAD, ASSEMBLE, PACK								4,126	\$886	\$3,654	7,494	\$909	\$6,814
COMP A-4(LB)											7,494	\$3	\$25
TETRYL (LB)											999	\$1	\$1
PRODUCTION SUPPORT													
QUALITY ASSURANCE										\$4			\$4
TOTALS:								4,126		\$3,658	7,494		\$6,844

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 87	Page 1 of 1
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-2 FLARE - L440)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
FLARES (LUU-2 FLARE - L440)										
LUU-2 D/B FLARE										
FY2008(1)	4,126	\$886	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/UNKNOWN	Mar-08	Mar-09	Yes		
FY2009(1)	7,494	\$913	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-09	Mar-10	Yes		
Remarks: Cost information is in actual dollars. (1) Contract will have an FY08 base year with 2 one year options.										
		P-1 ITEM NO 14			PAGE NO: 88					Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-10/B FLARE - L461)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$12,094	\$7,606	\$10,825	\$10,644	\$11,975	\$12,147	\$12,589
<p>Description:</p> <p>FY2008 funding totals do not include \$0.160M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The MJU-10/B is an infrared countermeasure flare used by A-10, F-15 and F-16 aircraft against heat seeking missiles. It is dispensed from the AN/ALE-45. This flare is approximately twice the size of the MJU-7/B Flare, which is used on F-15 and F-16 aircraft.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Items requested in FY09 are identified on the following P-5 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.</p>								
P-1 ITEM NO 14		PAGE NO: 89					Page 1 of 1	

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-10/B FLARE - L461)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MJU-10/B	A				115,555	\$105	\$12,094	63,618	\$119	\$7,584	84,569	\$128	\$10,819
QUALITY ASSURANCE										\$22			\$6
TOTALS:					115,555		\$12,094	63,618		\$7,606	84,569		\$10,825

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 90	Page 1 of 1
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-10/B FLARE - L461)
--	--

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
MJU-10/B									
FY2007(1-2)	115,555	\$105	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Mar-07	Mar-08		
FY2008(1-2)	63,618	\$119	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Mar-08	Mar-09	Yes	
FY2009(3)	84,569	\$128	AFMC/OO-ALC	MIPR/C/FPW/OPT	ARMY/UNKNOWN	Apr-09	Oct-10	Yes	

Remarks:
 Cost information is in actual dollars.

Procurement strategy maintains no more than two option years on any contract. This enables the Air Force to obtain the latest technology with least risk to funds execution.

(1) Contract is a split between Armtec and Kilgore.
 (2) Contract has an FY06 base year with 2 option years.
 (3) FY 09 contract will have an FY09 base year with 2 option years.

	P-1 ITEM NO 14		PAGE NO: 91	Page 1 of 1
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$27,892	\$19,853	\$45,075	\$50,689	\$54,098	\$51,874	\$48,906
<p>Description:</p> <p>FY2008 funding totals do not include \$0.467M in FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The MJU-7A/B is an infrared countermeasures flare used by F-15 and F-16 aircraft against heat seeking missiles. It is dispensed from ALE-40 countermeasure dispensers. The MJU-7A/B flare is a pyrotechnic candle that creates an infrared signature, acting as a decoy against heat seeking missiles. The flare candle is ejected from the dispenser by a small explosive cartridge (BBU-36/B Impulse Cartridge) contained in the flare case.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY2009 are identified on the following P-5. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 14		PAGE NO: 92		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MJU-7A/BIR FLARE	A				854,150	\$33	\$27,892	561,102	\$35	\$19,835	1,068,491	\$42	\$45,069
QUALITY ASSURANCE (1)										\$18			\$6
TOTALS:					854,150		\$27,892	561,102		\$19,853	1,068,491		\$45,075

Remarks:
Total Cost information is in thousands of dollars.

(1) Quality Assurance consists of funding for Army personnel to travel to production facilities.

	P-1 ITEM NO 14		PAGE NO: 93	Page 1 of 1
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)
--	---

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
MJU-7A/B IR FLARE									
FY2007(1)	854,150	\$33	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Mar-07	Mar-08		
FY2008(1)	561,102	\$35	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Mar-08	Mar-09	Yes	
FY2009(2)	1,068,491	\$42	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/UNKNOWN	Apr-09	Oct-10	Yes	

Remarks:
 Cost information is in actual dollars.

(1) Contract is a split award with an FY04 base year and 4 option years.
 (2) Contract will be a split award with options.

	P-1 ITEM NO 14		PAGE NO: 94		Page 1 of 1
--	--------------------------	--	-----------------------	--	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$27,318	\$17,739	\$11,555	\$13,389	\$13,728	\$19,136	\$15,860
<p>Description:</p> <p>FY2008 funding totals do not include \$0.964M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The M211 is a hermetically sealed aluminum case purged with nitrogen containing a payload of stacked special material elements which react to air. When deployed into the air stream, the special material reacts to emit an infrared signal to decoy infrared seeking missiles. This flare is required to provide the C-130 and A-10 aircraft and HH-53 and HH-60 helicopters protection against advanced air-to-air and surface-to-air infrared weapon systems.</p> <p>This item is procured through the Armament Research Development and Engineering Center (ARDEC) at Picatinny Arsenal, NJ.</p> <p>Representative items requested in FY2009 are identified on the following P-40A. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 14		PAGE NO: 95		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
M211 FLARE	A				257,420	\$103	\$26,514	174,455	\$101	\$17,620	111,109	\$104	\$11,555
PRODUCTIONENGINEERING							\$804			\$119			
TOTALS:					257,420		\$27,318	174,455		\$17,739	111,109		\$11,555

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 96	Page 1 of 1
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
M211 FLARE										
FY2007	257,420	\$103	AFMC/OO-ALC	MIPR/SS/FFP	ARMY/ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Feb-08	Feb-09	Yes		
FY2008(1)	174,455	\$101	AFMC/OO-ALC	MIPR/SS/IDIQ	NAVY/ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Mar-08	Apr-09	Yes		
FY2009(1)	111,109	\$104	AFMC/OO-ALC	MIPR/SS/IDIQ	NAVY/ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Mar-09	Apr-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Air Force will be added to the Navy's IDIQ contract.</p>										
			P-1 ITEM NO 14			PAGE NO: 97	Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M212 INFRA RED CM FLARE - LA15)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$12,296	\$9,584	\$16,543	\$16,096	\$12,797	\$11,630	\$13,182
<p>Description:</p> <p>FY2008 funding totals do not include \$0.300M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The M212 Multi-color Infrared Countermeasure Flare consists of an 8" x 1" x 1" aluminum case that possesses a receptacle for installation of an impulse cartridge. The M212 is then loaded into a MJU-11 multiple countermeasure magazine and installed into an AN-ALE-40 series countermeasure dispenser. The M212 countermeasure flare is deployed into the aircraft air stream and ignited by the hot gases and flame produced by the BBU-35 impulse cartridge. This flare is primarily used on C-130 aircraft. The M212 flare is designed to provide multi-spectrum infrared output and is used with M211 decoys and M206 flares as a cocktail mix to decoy advanced missile threats against the aircraft.</p> <p>This item is procured through the Armament Research Development and Engineering Center (ARDEC) at Picatinny Arsenal, NJ.</p> <p>Items requested in FY09 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.</p>								
P-1 ITEM NO 14		PAGE NO: 98		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (M212 INFRA RED CM FLARE - LA15)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
FLARES (M212 INFRA RED CM FLARE - LA15)													
M212 (LA15)	A				79,885	\$146	\$11,694	62,642	\$150	\$9,382	106,483	\$151	\$16,079
PRODUCTION SUPPORT													
PRODUCTION ENGINEERING							\$584			\$196			\$453
INTERMTRANSPORTATION SUPPORT							\$18			\$6			\$11
TOTALS:					79,885		\$12,296	62,642		\$9,584	106,483		\$16,543

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 99	Page 1 of 1
--	--------------------------	--	-----------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M212 INFRA RED CM FLARE - LA15)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
FLARES (M212 INFRA RED CM FLARE - LA15)										
M212 (LA15)										
FY2007	79,885	\$146	AFMC/OO-ALC	MIPR/SS/FP	ARMY/ATK-THIOKOL PROPULSIONCO/ BRIGHAM CITY, UT	Apr-07	Apr-08			
FY2008(1)	62,642	\$150	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/UNKNOWN	Mar-08	Apr-09	Yes		
FY2009(1)	106,483	\$151	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-09	Apr-10	Yes		
Remarks: Cost information is in actual dollars. (1) Contract will have an FY08 base year with 5 option years.										
	P-1 ITEM NO 14			PAGE NO: 100			Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-50/B FLARE - LA19)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$35,300	\$25,752	\$66,775	\$57,646	\$61,918	\$53,267	\$48,617
<p>Description:</p> <p>FY2008 funding totals do not include \$1.536M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The MJU-50/B Flare is 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 and HH-53 and HH-60 helicopters.</p> <p>This item is currently procured through the Ogden Air Logistics Center.</p> <p>Representative items requested in FY09 are identified on the following P-40A. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 14		PAGE NO: 101		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-50/B FLARE - LA19)
--	--

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-50/B FLARE	A			588,630	\$35,300	424,818	\$25,752	1,089,510	\$66,775
TOTALS:					\$35,300		\$25,752		\$66,775

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 102	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-50/B FLARE - LA19)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MJU-50/B FLARE										
FY2007(1)	588,630	\$60	AFMC/OO-ALC	SS/FFP W/OPT	ALLOY SURFACES/ ASTON, PA	May-07	May-08			
FY2008(1)	424,818	\$61	AFMC/OO-ALC	OPT/FFP	ALLOY SURFACES/ ASTON, PA	Mar-08	Mar-09	Yes		
FY2009(1)	1,089,510	\$61	AFMC/OO-ALC	OPT/FFP	ALLOY SURFACES/ ASTON, PA	Mar-09	Mar-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has an FY07 base year with 4 option years.</p>										
			P-1 ITEM NO 14				PAGE NO: 103	Page 1 of 1		

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-51A/B FLARE - LA20)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$1,019	\$6,625	\$13,649	\$13,564	\$11,521	\$10,750	\$12,657
<p>Description:</p> <p>The MJU-51A/B Flare is an infrared countermeasure decoy that consists of an aluminum cartridge case purged with nitrogen, containing a payload of stacked special material elements which react with air. Each aluminum cartridge case contains a sealed receptacle cup with an O-ring for an impulse cartridge, a lexan piston, crimped and sealed, and metal end cap. When the impulse cartridge is initiated by the firing pulse, the impulse cartridge receptacle cup frangible membrane ruptures. Pressure inside the canister increases pushing on the piston and breaking the end cap seal deploying the special material payload in the air stream. The special material payload reacts with air in generating infrared energy to decoy surface-to-air and air-to-air missiles.</p> <p>This item is procured through the Ogden Air Logistics Center.</p> <p>Representative items requested in FY09 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 14		PAGE NO: 104					Page 1 of 1	

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-51A/B FLARE - LA20)
--	---

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
(MJU-51A/B FLARE - LA20)	A			5,523	\$1,019	35,620	\$6,625	72,642	\$13,649
TOTALS:				5,523	\$1,019	35,620	\$6,625	72,642	\$13,649

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 105	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-51A/B FLARE - LA20)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
(MJU-51A/B FLARE - LA20)										
FY2007(1)	5,523	\$184	AFMC/OO-ALC	SS/FFP W/OPT	ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Apr-07	Jan-09			
FY2008(1)	35,620	\$186	AFMC/OO-ALC	OPT/FFP	ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Mar-08	Jun-09	Yes		
FY2009(1)	72,642	\$188	AFMC/OO-ALC	OPT/FFP	ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Mar-09	Jun-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract will have a FY07 base year with 4 option years.</p>										
			P-1 ITEM NO 14			PAGE NO: 106	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-19 FLARE - LA29)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$6,177	\$8,008	\$12,069	\$14,054	\$19,678	\$20,220
<p>Description:</p> <p>The LUU-19 Aircraft Parachute Flare is 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.</p> <p>This item is procured through the Ogden Air Logistics Center.</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 14		PAGE NO: 107		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (LUU-19 FLARE - LA29)
--	--

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
LUU-19A/B FLARE	A					4,766	\$6,177	6,116	\$8,008
TOTALS:						4,766	\$6,177	6,116	\$8,008

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 108	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-19 FLARE - LA29)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
LUU-19A/B FLARE										
FY2008(1)	4,766	\$1,296	AFMC/OO-ALC	SS/FFP	ATK/BRIGHAM CITY, UT	Mar-08	Oct-08	Yes		
FY2009	6,116	\$1,309	AFMC/OO-ALC	SS/FFP	ATK/BRIGHAM CITY, UT	Mar-09	Oct-09	Yes		
Remarks: Cost information is in actual dollars. (1) Multi-year contracting is not an option in FY2008 because this item may transition to the SMCA where future contracts will be combined with the LUU-2.										
			P-1 ITEM NO 14				PAGE NO: 109	Page 1 of 1		

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-62/B FLARE - LA36)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$2,850	\$10,232	\$7,479	\$7,295	\$6,726	\$7,554	\$9,866
<p>Description:</p> <p>The MJU-62/B Flare is a boron based 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.</p> <p>This item is procured through the Ogden Air Logistics Center.</p> <p>Representative items requested in FY09 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 14		PAGE NO: 110		Page 1 of 1				

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-62/B FLARE - LA36)
--	--

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-62 FLARE - LA36	A			14,853	\$2,850	53,275	\$10,232	38,515	\$7,479
TOTALS:				14,853	\$2,850	53,275	\$10,232	38,515	\$7,479

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 111	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-62/B FLARE - LA36)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MJU-62 FLARE - LA36										
FY2007(1)	14,853	\$192	AFMC/OO-ALC	SS/FFP W/OPT	ATK THIOKOL/BRIGHAM CITY, UT	Apr-07	Jun-08			
FY2008(1)	53,275	\$192	AFMC/OO-ALC	OPT/FFP	ATK THIOKOL/BRIGHAM CITY, UT	Mar-08	Oct-08	Yes		
FY2009(1)	38,515	\$194	AFMC/OO-ALC	OPT/FFP	ATK THIOKOL/BRIGHAM CITY, UT	Mar-09	Oct-09	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has an FY07 base year with 4 option years.</p>										
			P-1 ITEM NO 14			PAGE NO: 112	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (ALA-17B FLARE - LY12)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$4,416	\$11,161	\$12,650	\$9,992	\$6,868	\$9,512	\$15,188
<p>Description:</p> <p>The ALA-17C IR countermeasure flare is a two cartridge flare consisting of an upper and lower pellet contained in an 1 1/4 inch by 2 and 3/4 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 set 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.</p> <p>This item is currently procured through the Ogden Air Logistics Center.</p> <p>Representative items requested in FY09 are identified on the following P-40A. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 14		PAGE NO: 113		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (ALA-17B FLARE - LY12)
--	---

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ALA-17C FLARE - LY12	A			8,843	\$4,416	19,562	\$11,161	21,947	\$12,650
TOTALS:				8,843	\$4,416	19,562	\$11,161	21,947	\$12,650

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 114	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (ALA-17B FLARE - LY12)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
ALA-17C FLARE - LY12										
FY2007	8,843	\$499	AFMC/OO-ALC	SS/FFP	KILGORE CORP/TOONE, TN	Aug-07	Apr-08			
FY2008(1-2)	19,562	\$571	AFMC/OO-ALC	SS/FFP W/OPT	KILGORE CORP/TOONE, TN	Mar-08	Apr-09	Yes		
FY2009(1-2)	21,947	\$576	AFMC/OO-ALC	OPT/FFP	KILGORE CORP/TOONE, TN	Mar-09	Apr-10	Yes		
Remarks: Cost information is in actual dollars. (1) Contract will have FY08 base with 1 option year. (2) Kilgore is the only known source for the ALA-17 Flare.										
	P-1 ITEM NO 14			PAGE NO: 115			Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-39/40-ACFT FLARE - LA32/LA33)
--	---

		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$9,678	\$0	\$12,973	\$16,355	\$13,046	\$13,307	\$13,573

Description:
 The MJU-39/B and MJU-40/B are magnesium based kinematic IR counter-measure flares. They 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.

Representative items requested in FY09 are identified on the following P-40A. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.

	P-1 ITEM NO 14		PAGE NO: 116		Page 1 of 1
--	--------------------------	--	------------------------	--	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-39/40-ACFT FLARE - LA32/LA33)
--	---

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-39/40	A			2,716	\$9,678			3,562	\$12,973
TOTALS:				2,716	\$9,678			3,562	\$12,973

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 117	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-39/40-ACFT FLARE - LA32/LA33)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MJU-39/40										
FY2007	2,716	\$3,563	AFMC/OO-ALC	OPT/FFP	KILGORE/TOONE, TN	Mar-07	Mar-08			
FY2009(1)	3,562	\$3,642	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	Mar-09	Mar-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract will have FY09 base year with 5 option years.</p>										
			P-1 ITEM NO 14				PAGE NO: 118	Page 1 of 1		

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$4,173	\$21,651	\$33,593	\$30,041	\$28,443	\$30,376	\$30,900
<p>Description:</p> <p>FY2008 funding totals do not include \$1.607M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>All listed items on the following P-40A-IL have an FY09 procurement value of less than \$5,000,000 and are Code A.</p> <p>Items requested in FY09 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.</p>								
	P-1 ITEM NO 14		PAGE NO: 119		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)
--	--

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
SIG KIT PRSNL DISTRESS (L119)	1370015234694			22,644	\$2,315
SIGNL,SMOKE&ILLUM MK124 MOD 0 (L283)	1370011443561			65,124	\$3,760
SIGNL,ILL GRN RED STR M158 (L306)	1370013431966			4,008	\$200
SIG IL GRND GRN STR CLS M125A1 (L314)	1370013416282			4,991	\$260
LUU-4/B (L443)	1370010333395			2,273	\$1,000
M206(T-3)/B IRCM FLARE SIMULATOR (L448)				123,113	\$3,143
MJU-23 FLARE (L462)	1370014358569			8,530	\$4,901
MARKER LOC MARINE MK25-3 (L554)	1370006901458			12,969	\$3,600
MJU-53/B FLARE (LA21)	1370015031455			94,495	\$4,709
MJU-47/B FLARE (LA30)	1370014959793			8,300	\$3,455
MJU-48/B FLARE (LA31)	1370014959790			12,154	\$3,657
COMBAT RESCUE AND RECOVERY				1	\$2,593
TOTALS:					\$33,593

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
Remarks: Cost information is in thousands of dollars.					
	P-1 ITEM NO 14		PAGE NO: 121		Page 2 of 2

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (OVERVIEW)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$56,549	\$70,329	\$72,133	\$73,344	\$77,734	\$78,049	\$78,482
<p>Description:</p> <p>FY2008 funding totals do not include \$0.475M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>A bomb fuze initiates the explosive train of a bomb at the appropriate time to fulfill mission requirements. Normally, fuzes are placed in both the nose and tail of the bomb to increase functional reliability. The Fuze category includes the DSU-33D/B Proximity Sensor Fuze and the FMU-152/B Joint Programmable Fuze.</p> <p>Items requested in FY09 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.</p>								
P-1 ITEM NO 15		PAGE NO: 122		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (OVERVIEW)
--	--

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
FUZES (OVERVIEW)									
FMU-152/B JOINT PROGRAMMABLE FUZE	A			19,205	\$44,649	13,923	\$31,475	13,929	\$29,700
FMU-139 C/B FUZE (EC35)	A					3,080	\$6,161	5,904	\$12,400
FMU-143G/B (F800)	A					1,648	\$5,636	1,685	\$5,215
FMU-143F/B (F801)	A					1,765	\$6,849	1,764	\$6,895
FMU-143B/B (F809)	A							5,993	\$10,657
ITEMS LESS THAN 5 MILLION DOLLARS	A				\$11,900		\$20,208		\$7,266
TOTALS:					\$56,549		\$70,329		\$72,133

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 15		PAGE NO: 123		Page 1 of 1
--	--------------------------	--	------------------------	--	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMMABLE FUZE)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$44,649	\$31,475	\$29,700	\$40,000	\$40,000	\$40,000	\$40,000
<p>Description:</p> <p>The FMU-152/B Joint Programmable Fuze (JPF) is 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-152/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.</p> <p>This item is procured through the Air Armament Center, Eglin AFB, Florida.</p> <p>Items requested in FY09 are identified on the following P-5, 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.</p>								
	P-1 ITEM NO 15		PAGE NO: 124		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMABLE FUZE)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
HARDWARE					19,205		{\$43,077}	13,923		{\$26,927}	13,929		{\$27,760}
FMU-152/B FUZE	A				19,205	\$2,243	\$43,077	13,923	\$1,934	\$26,927	13,929	\$1,993	\$27,760
PRODUCTION SUPPORT													
TECHNICAL SPT CONTRACT							\$200			\$111			\$150
PROGRAM SUPPORT							\$673			\$1,156			\$1,081
RELIABILITY INCENTIVE							\$525			\$526			\$525
TESTING							\$175			\$80			
TOOLING/TEST EQUIPMENT										\$675			
ECO/ECP										\$2,000			\$184
TOTALS:							\$44,649			\$31,475			\$29,700

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 15		PAGE NO: 125	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMABLE FUZE)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
HARDWARE										
FMU-152/B FUZE										
FY2007(1)	19,205	\$2,243	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ ORLANDO, FL	Oct-06	Dec-08			
FY2008(1)	13,923	\$1,934	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ ORLANDO, FL	Jan-08	Dec-09			
FY2009(1)	13,929	\$1,993	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ ORLANDO, FL	Oct-08	Sep-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has an FY98 base year with 9 option years. Option 2 was not exercised until FY05.</p>										
P-1 ITEM NO 15					PAGE NO: 126		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-139C/B - EC35)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$6,161	\$12,400	\$9,516	\$11,786	\$13,504	\$16,094
<p>Description:</p> <p>FY2008 funding totals do not include \$0.475M FY2008 GWOT requirements still pending Congressional consideration.</p> <p>The FMU-139 Electronic Bomb Fuze is an electromechanical fuze designed for use in low or high drag configured bombs. It is the primary fuze used in general purpose bombs, laser guided bombs, and the Joint Direct Attack Munition (JDAM).</p> <p>This item is procured through the Navy at Patuxent River.</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical munitions/equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 15		PAGE NO: 127		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (FMU-139C/B - EC35)
--	---

PROCUREMENT ITEMS	ID CODE	FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST
FUZES (FMU-139C/B - EC35)							
FMU-139 FUZE	A			3,080	\$6,161	5,904	\$12,400
TOTALS:				3,080	\$6,161	5,904	\$12,400

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 15		PAGE NO: 128	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-139C/B - EC35)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
FUZES (FMU-139C/B - EC35)										
FMU-139 FUZE										
FY2008(1)	3,080	\$2,000	AFMC/OO-ALC	MIPR/C/FFP	NAVY/UNKNOWN	Mar-08	Mar-09	Yes		
FY2009(1)	5,904	\$2,100	AFMC/OO-ALC	MIPR/C/FFP	NAVY/UNKNOWN	Mar-09	Mar-10	Yes		
Remarks: Cost information is in actual dollars. (1) Contract will have an FY08 base year with 1 option year.										
		P-1 ITEM NO 15			PAGE NO: 129					Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-143G/B - F800)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$5,636	\$5,215	\$4,509	\$4,629	\$4,101	\$5,233
<p>Description:</p> <p>The FMU-143G/B fuze is a penetrator fuze designed to detonate after impact and target penetration. It has a fixed detonation delay after impact of 60.0 milliseconds. This fuze is used on the BLU-109, BLU-113, and BLU-122 penetrator bombs.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 15		PAGE NO: 130		Page 1 of 1				

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (FMU-143G/B - F800)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2007			FY2008			FY2009					
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST			
FUZES (FMU-143G/B - F800)													
FMU-143G/B - F800	A						1,648	\$3,411	(\$5,621)	1,685	\$3,086	(\$5,200)	
LOAD, ASSEMBLE, PACK							1,648	\$3,404	\$5,610	1,685	\$3,080	\$5,190	
PA60CONTAINER							412	\$28	\$12	389	\$28	\$11	
PRODUCTION SUPPORT													
QUALITY ASSURANCE									\$15			\$15	
TOTALS:							1,648		\$5,636	1,685		\$5,215	

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 15		PAGE NO: 131	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (FMU-143G/B - F800)
--	---

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
FUZES (FMU-143G/B - F800)(1-2)									
FMU-143G/B - F800									
FY2008(1)	1,648	\$3,411	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/UNKNOWN	Apr-08	Apr-09	Yes	
FY2009(2)	1,685	\$3,086	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Apr-09	Apr-10	Yes	

Remarks:
 Cost information is in actual dollars.

(1) FY2008 contract will be the basic with at least one option year.
 (2) FY2009 contract will be an option off the FY2008 basic contract.

	P-1 ITEM NO 15		PAGE NO: 132	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-143F/B - F801)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$6,849	\$6,895	\$6,995	\$8,213	\$10,291	\$9,054
<p>Description:</p> <p>The FMU-143F/B fuze is a penetrator fuze designed to detonate after impact and target penetration. It has a fixed detonation delay after impact of 30 milliseconds. This fuze is used on all MK series bombs as well as the BLU-109 penetrators.</p> <p>This item is procured through the Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 15		PAGE NO: 133		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (FMU-143F/B - F801)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
FUZES (FMU-143F/B - F801)														
FMU-143F/B - F801	A							1,765	\$3,872	(\$6,834)	1,764	\$3,900	(\$6,880)	
LOAD, ASSEMBLE, PACK								1,765	\$3,866	\$6,823	1,764	\$3,886	\$6,854	
PA60CONTAINER								400	\$28	\$11	918	\$28	\$26	
PRODUCTION SUPPORT														
QUALITY ASSURANCE										\$15			\$15	
TOTALS:								1,765		\$6,849	1,764		\$6,895	

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 15		PAGE NO: 134	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (FMU-143F/B - F801)
--	---

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
FUZES (FMU-143F/B - F801)									
FMU-143F/B - F801									
FY2008(1)	1,765	\$3,872	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/UNKNOWN	Apr-08	Apr-09	Yes	
FY2009(2)	1,764	\$3,900	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Apr-09	Apr-10	Yes	

Remarks:
 Cost information is in actual dollars.

(1) FY2008 contract will be a basic contract with at least one option year.
 (2) FY2009 contract will be an option off the FY2008 basic contract.

	P-1 ITEM NO 15		PAGE NO: 135	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-143B/B - F809)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$0	\$10,657	\$5,181	\$6,457	\$7,790	\$5,154
<p>Description:</p> <p>The FMU-143B/B fuze is a penetrator fuze designed to detonate after impact and target penetration. It has a fixed detonation delay after impact of 60 milliseconds. This fuze is used on all MK series bombs as well as the BLU-109 penetrators.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY09 are identified on the following P-5. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 15		PAGE NO: 136		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (FMU-143B/B - F809)
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2007			FY2008			FY2009					
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST			
FUZES (FMU-143B/B - F809)													
FMU-143B/B - F809	A										5,993	\$1,776	{\$10,642}
TETRYL											1,781	\$1	\$2
LOAD, ASSEMBLE, PACK											5,993	\$1,761	\$10,552
PA60 CONTAINER											3,110	\$28	\$88
PRODUCTION SUPPORT													
QUALITY ASSURANCE													\$15
TOTALS:											5,993		\$10,657

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 15		PAGE NO: 137	Page 1 of 1
--	--------------------------	--	------------------------	-------------

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-143B/B - F809)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
FUZES (FMU-143B/B - F809)										
FMU-143B/B - F809										
FY2009(1)	5,993	\$1,776	AFMC/OO-ALC	MIPR/C/FP	ARMY/UNKNOWN	Mar-09	Sep-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract will have FY09 base year with 5 option years.</p>										
			P-1 ITEM NO 15			PAGE NO: 138				Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (ITEMS LESS THAN \$5 MILLION)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$11,900	\$20,208	\$7,266	\$7,143	\$6,649	\$2,363	\$2,947
<p>Description:</p> <p>This category includes various fuzes to include inert training items that have an annual procurement value of less than \$5 million and are code A.</p> <p>Items requested in FY2009 are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support Air Force mission requirements.</p>								
P-1 ITEM NO 15		PAGE NO: 139		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (ITEMS LESS THAN \$5 MILLION)
--	---

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
FUZES (LESS THAN \$5M)					
FMU-143 D-2 (EA32)				105	\$200
DSU-33A D-2 PROX INERT (FY88)				154	\$100
DSU-33C/B PROX SENSOR (GY33)				3,097	\$4,466
FMU-160 PROX FUZE (NA18)				3,600	\$2,500
TOTALS:					\$7,266

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 15		PAGE NO: 140	Page 1 of 1
--	-------------------	--	-----------------	-------------

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$11,516	\$3,627	\$8,165	\$8,167	\$8,172	\$8,333	\$8,501
<p>Description:</p> <p>FY2007 funding total includes \$3M in GWOT supplemental. FY2008 funding totals do not include \$29.200M in FY2008 GWOT requirements still pending Congressional consideration.</p> <p>This Small Arms line 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.</p> <p>Representative items requested in FY2009 are identified on the following P-40A-IL. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 19		PAGE NO: 141		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2008	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: SMALL ARMS		
PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
9MM COMPACT PISTOL				13	\$10
M-24 SNIPER RIFLE				122	\$966
M249 MACHINE GUN				100	\$543
M240B MACHINE GUN				30	\$329
M203A2 GRENADE LAUNCHER				9	\$9
TRIPOD MOUNT				101	\$76
M-4A1 CARBINE				19	\$30
X4 TELESCOPE				26	\$26
VIPER II BINOC LASER RG FIND				12	\$194
M-4 CARBINE				3,043	\$4,845
PVS10				10	\$135
M107 50-CAL RIFLE				25	\$377
M1187P EOD SHOTGUN				10	\$6
P-1 ITEM NO 19		PAGE NO: 142		Page 1 of 2	

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
--	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: SMALL ARMS
--	--

PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
MODULAR COMBAT SHOTGUN				400	\$430
EOD SOFT MOUNT				30	\$41
MK-14 MOD O, EBR				37	\$148
TOTALS:					\$8,165

Remarks:

Cost information is in thousands of dollars.

**P-1 Crosswalk AF J-Book to OSD Summary Justification Materials
Procurement of Ammunition, Air Force**

Item Nomenclature	AF P-1 Number	OSD P-1 Number
Budget Activity 01: Procurement of Ammo, Air Force		
Rockets	2	1
Cartridges	3	2
Practice Bombs	4	3
General Purpose Bombs	5	4
Joint Direct Attack Munition	7	6
CAD/PAD	9	8
Explosives Ordnance Disposal (EOD)	10	9
Spares & Repair Parts	11	10
Modifications	12	11
Items Less Than \$5 Million	13	12
Flares	14	13
Fuzes	15	14
Budget Activity 02: Weapons		
Small Arms	19	15