

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

**FISCAL YEAR (FY) 2011
BUDGET ESTIMATES**

PROCUREMENT OF AMMUNITION

SUBMITTED TO CONGRESS FEBRUARY 2010

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DEPARTMENT OF THE AIR FORCE
 PROCUREMENT OF AMMUNITION ESTIMATES
 FOR FISCAL YEAR 2011

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IDENTIFICATION CODES

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

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

GLOSSARY

Contract Method

ALLOT - Allotment

C - Competitive

DO - Delivery Order

FCA - Fund Cite Authorization

MIPR - Military Interdepartmental Purchase Request

OA - Obligation Authority

OPT - Option

OTH - Other

PO - Project Order

REQN - Requisition

SS - Sole Source

WP - Work Project

MIPR-OPT - Military Interdepartmental Purchase Request - Option

MIPR-C - Military Interdepartmental Purchase Request - Competitive

MIPR-SS - Military Interdepartmental Purchase Request - Sole Source

MIPR-OTH - Military Interdepartmental Purchase Request - Other

Contract Type

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

Contracted By

11 WING - 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
USAF A - 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, \$960,379,000 to remain available for obligation until September 30, 2013.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (OVERVIEW)
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		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$30,629	\$49,047	\$19,106	\$18,764	\$16,033	\$16,677	\$16,296

Description:
 FY2009 funding totals include \$5.600M of appropriated supplemental Overseas Contingency Operations funding.
 FY2010 funding totals include \$3.488M of appropriated supplemental Overseas Contingency Operations funding.
 FY2010 funding totals include \$5.000M of supplemental funding requested for Overseas Contingency Operations.

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.

Increased funding beginning in FY2011 supports an increase in total requirements, replacement of an aging stockpile and an increase in unit prices due to new contract awards.

Projected Test and Training Allocations for Reserve Component Requirements based on FY2009 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority)

\$M	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
ANG:	\$0.929	\$4.475	\$1.741	\$1.637	\$1.233	\$1.231	\$1.233
Reserve:	\$0.302	\$1.453	\$0.565	\$0.531	\$0.400	\$0.400	\$0.400

Items requested in FY2011 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-1 ITEM NO 1		PAGE NO: 1		Page 1 of 1
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (OVERVIEW)
--	--

PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
2.75 INCH ROCKET MOTOR (HA07)	A			25,868	\$11,926	22,134	\$11,931		
2.75 INCH ILLUM (H812)	A			4,715	\$6,246	4,631	\$6,491	961	\$2,078
2.75 INCH WARHEAD WHITE PHOSPHOROUS (H855)	A			17,305	\$6,737	59,982	\$25,074	29,462	\$13,379
ITEMS LESS THAN 5 MILLION	A				\$5,720		\$5,551		\$3,649
TOTALS:					\$30,629		\$49,047		\$19,106

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 1		PAGE NO: 2		Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 IN ROCKET MOTOR - HA07)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$11,926	\$11,931	\$0	\$7,817	\$7,824	\$7,520	\$7,310
<p>Description:</p> <p>FY2009 funding totals include \$3.540M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$2.163M for Overseas Contingency Operations.</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 Inch 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 FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (2.75 IN ROCKET MOTOR - HA07)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		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				25,868	\$450	\$11,646	22,134	\$524	\$11,596			
PRODUCTION SUPPORT													
PRODUCTION ENGINEERING							\$280			\$335			
TOTALS:					25,868		\$11,926	22,134		\$11,931			

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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(2)										
FY2009(1)	25,868	\$450	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/GDATP/ BURLINGTON, VT	Mar-09	Oct-10			
FY2010(2)	22,134	\$524	AFMC/OO-ALC	MIPR/IDIQ	ARMY/UNKNOWN	Mar-10	Oct-11	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Production facility is used by other DOD agencies and other products.</p> <p>(1) 2009 contract is an option off an FY2005 basic contract. (2) FY2010 will be a new 4 year FFP/IDIQ contact. Unit prices are estimated by the JAMS project office.</p>										
P-1 ITEM NO 1			PAGE NO: 5			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ILLUM - H812)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$6,246	\$6,491	\$2,078	\$1,704	\$1,000	\$1,400	\$1,400
<p>Description:</p> <p>FY2009 funding includes \$0.820M of appropriated supplemental Overseas Contingency Operations funding.</p> <p>The 2.75 inch illumination (H812) warhead mates to the 2.75 inch rocket motor (HA07) and deploys a visible spectrum flare that is attached to a parachute for paced descent. This warhead provides standoff capability during night operations when/where target illumination is required. The asset supports Forward Air Control operations.</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 FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (2.75 INCH ILLUM - H812)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
ROCKETS (2.75 INCH ILLUM - H812)					4,715		{ \$6,246 }	4,631		{ \$6,491 }	961		{ \$2,078 }
2.75 INCH ILLUM - H812	A				4,715	\$1,304	\$6,148	4,631	\$1,360	\$6,296	961	\$2,099	\$2,017
PRODUCTION SUPPORT													
PRODUCTION MANAGEMENT SUPPORT							\$98			\$195			\$61
TOTALS:					4,715		\$6,246	4,631		\$6,491	961		\$2,078

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ILLUM - H812)						
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 INCH ILLUM - H812)										
2.75 INCH ILLUM - H812										
FY2009(1)	4,715	\$1,304	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ ARMY / GENERAL DYNAMIC ARMAMENT/ BURLINGTON, VT	Mar-09	Sep-10			
FY2010(2)	4,631	\$1,360	AFMC/OO-ALC	MIPR/IDIQ	ARMY/UNKNOWN	Mar-10	Sep-11	Yes		
FY2011(3)	961	\$2,099	AFMC/OO-ALC	MIPR/IDIQ	ARMY/UNKNOWN	Mar-11	Sep-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Production facility is used by other DOD agencies and other products.</p> <p>(1) 2009 contract is an option off an FY2005 basic contract. (2) FY2010 will be a new basic contract with at least 4 option years. (3) FY2011 will be an option off the FY2010 basic contract.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 WHD WP SMOKE - H855)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$6,737	\$25,074	\$13,379	\$5,700	\$4,994	\$4,122	\$4,100
<p>Description:</p> <p>FY2009 funding totals include \$0.800M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$1.325M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$5.000M of supplemental funding requested for Overseas Contingency Operations.</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 FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (2.75 WHD WP SMOKE - H855)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
2.75 WHD WP SMOKE (1)	A				17,305	\$374	{\$6,477}	59,982	\$408	{\$24,470}	29,462	\$437	{\$12,875}
2.75 WARHEAD					17,305	\$374	\$6,477	59,982	\$408	\$24,470	29,462	\$328	\$9,664
WHD WHITE PHOSPHORUS FILL (2)											29,462	\$109	\$3,211
PRODUCTION SUPPORT							{\$260}			{\$604}			{\$504}
PRODUCTION ENGINEERING							\$260			\$604			\$504
TOTALS:					17,305		\$6,737	59,982		\$25,074	29,462		\$13,379

Remarks:
Total Cost information is in thousands of dollars.

(1) FY2010 OCO Supplemental quantity of 11,961
(2) White Phosphorus costs are broken out beginning in FY11 to provide clarity on unit prices from year to year. White Phosphorus fill is performed at Pine Bluff Arsenal (PBA) which is Government Owned Contractor Operated (GOCO) facility.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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	
2.75 WHD WP SMOKE										
FY2009(1)	17,305	\$374	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GENERAL DYNAMICS ARMAMENT/ BURLINGTON, VT	Mar-09	Mar-11			
FY2010(2)	59,982	\$408	AFMC/OO-ALC	MIPR/IDIQ	ARMY/UNKNOWN	Mar-10	Mar-12	Yes		
FY2011(3)	29,462	\$437	AFMC/OO-ALC	MIPR/IDIQ	ARMY/UNKNOWN	Mar-11	Mar-13	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Production facility is used by other DOD agencies to produce other munition items.</p> <p>Pine Bluff Arsenal is a Government Owned Contractor Operated (GOCO) facility which provides phosphorus warhead fill for contracted quantities.</p> <p>(1) FY2009 contract is an option off an FY2005 basic contract. (2) FY2010 will be a new basic contract with at least 4 option years. Unit prices are estimates from the Joint Attack Munitions Systems (JAMS) office. (3) FY2011 will be option 1 of the FY10 basic contract. Unit prices are estimates from the Joint Attack Munitions Systems (JAMS) office.</p>										
P-1 ITEM NO 1			PAGE NO: 11			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (ITEMS LESS THAN \$5 MILLION)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$5,720	\$5,551	\$3,648	\$5,247	\$3,215	\$9,157	\$4,886
<p>Description:</p> <p>FY2009 funding totals include \$0.440M of appropriated supplemental Overseas Contingency Operations funding.</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 FY2011 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 1		PAGE NO: 12		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
LAUNCHER, LAU-131A F/2.75 RKT (H149) (1)	1340012305317			269	\$2,260
2.75 FLARE IR (HA06) (2)	1340014433583			656	\$1,389
TOTALS:					\$3,649

Remarks:

Cost information is in thousands of dollars.

(1) Unit cost is provided by the Navy and is an estimate.

(2) Unit cost is provided by the Joint Attack Munitions Systems (JAMS) office and is an estimate.

	P-1 ITEM NO 1		PAGE NO: 13	Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)
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		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$172,654	\$162,741	\$171,850	\$123,148	\$108,182	\$113,509	\$116,499

Description:
 FY2009 funding totals include \$21.884M of appropriated supplemental Overseas Contingency Operations funding.
 FY2010 funding totals include \$39.236M of appropriated supplemental Overseas Contingency Operations funding.
 FY2011 funding totals include \$30.801M requested for Overseas Contingency Operations.

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).

Projected Test and Training Allocations for Reserve Component Requirements based on FY2009 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority)

\$M	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
ANG:	\$19.144	\$18.250	\$14.038	\$13.274	\$12.210	\$13.184	\$13.761
Reserve:	\$6.731	\$6.417	\$4.936	\$4.667	\$4.293	\$4.636	\$4.839

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

FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.

Representative items requested in FY2011 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-1 ITEM NO 2		PAGE NO: 14		Page 1 of 1
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CARTRIDGES (OVERVIEW)									
20MM PGU-28/B SEMI-AP-HEI (AA22)	A			592,499	\$12,111	302,481	\$8,262	703,263	\$20,000
20MM TP PGU-27 (AA24)	A			1,579,949	\$16,755	831,820	\$10,457	1,513,914	\$20,556
5.56MM FRANGIBLE (AA40)	A			11,395,348	\$4,900	22,111,627	\$9,508	15,941,699	\$7,000
30MM HEI PGU-13/B (B104)	A					601,033	\$31,915	679,028	\$36,250
30MM PGU-15/B (B116)	A			3,265,486	\$52,007	2,322,954	\$43,409	1,510,819	\$29,584
ITEMS LESS THAN 5 MILLION DOLLARS	A				\$86,881		\$59,571		\$58,460
TOTALS:					\$172,654		\$163,122		\$171,850

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 15		Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20MM PGU-28A/B SEMI-AP-HEI - AA22)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$12,111	\$8,262	\$20,000	\$8,277	\$8,342	\$5,128	\$6,840
<p>Description:</p> <p>FY2010 funding totals include \$0.447M of appropriated Overseas Contingency Operations funding. FY2011 funding totals include \$2.479M requested for Overseas Contingency Operations.</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>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (20MM PGU-28A/B SEMI-AP-HEI - AA22)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		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 (1)	A				592,499	\$20	(\$12,108)	302,481	\$27	(\$8,249)	703,263	\$28	(\$19,384)
LOAD, ASSEMBLE, PACK					592,499	\$20	\$12,019	302,481	\$27	\$8,199	703,263	\$27	\$19,264
BOX METAL M548					2,455	\$28	\$68	1,246	\$32	\$39	2,883	\$33	\$94
PALLET MK3-0					119	\$183	\$22	60	\$176	\$11	140	\$189	\$26
PRODUCTION SUPPORT							(\$3)			(\$13)			(\$616)
QUALITY ASSURANCE							\$3			\$13			\$7
ACCEPTANCE TESTING													\$609
TOTALS:					592,499		\$12,111	302,481		\$8,262	703,263		\$20,000

Remarks:
 Total Cost information is in thousands of dollars.

 (1) FY2011 Quantity of 89,939

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20MM PGU-28A/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										
FY2009(2)	592,499	\$20	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARION, IL/ ATK/ ANOKA, MN	Mar-09	Mar-10			
FY2010(3)	302,481	\$27	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARION, IL/ ATK/ ANOKA, MN	Mar-10	Mar-11	Yes		
FY2011(4)	703,263	\$28	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARION, IL/ ATK/ ANOKA, MN	Mar-11	Mar-12	Yes		
Remarks: Cost information is in actual dollars. (1) Each year when the options are exercised, contracts will be awarded/split between the two vendors based on past performance. (2) FY2009 procurement is an option of the FY2008 Basic contract with at least 4 option years. (3) FY2010 procurement is an option of the FY2008 Basic contract with at least 4 option years. (4) FY2011 procurement is an option of the FY2008 Basic contract with at least 4 option years.										
			P-1 ITEM NO 2			PAGE NO: 18	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B - AA24)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$16,755	\$10,457	\$20,556	\$15,474	\$14,176	\$15,574	\$15,246
<p>Description:</p> <p>FY2010 funding totals include \$0.472M of appropriated Overseas Contingency Operations funding.</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, F-16 and F-22A aircraft. The Air Force procures various links, linking methods, and mixtures of target practice and target practice tracer ammunition depending on the specific requirement of the system and the training program. The cartridge is electrically primed and has no fuze. The 20MM projectile is a solid slug sized to match the ballistics of the 20MM combat round. The 20MM cartridge is the primary ammunition used in aircraft gun systems by the Air Force and Navy. The Air Force procures the PGU-27 TP round to provide a training capability to complement the PGU-28 high explosive incendiary combat round and ensure training is consistent with combat operations.</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 FY2011 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 2		PAGE NO: 19		Page 1 of 1				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B - AA24)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
20MMTP	A				1,579,949	\$11	{\$16,738}	831,820	\$13	{\$10,443}	1,513,914	\$13	{\$20,174}
LOAD, ASSEMBLE, PACK					1,579,949	\$10	\$16,501	831,820	\$12	\$10,311	1,513,914	\$13	\$19,926
BOX METAL M548					6,476	\$28	\$179	3,329	\$32	\$105	6,056	\$33	\$197
PALLET MK3-0					316	\$183	\$58	148	\$176	\$26	269	\$189	\$51
PRODUCTION SUPPORT							{\$17}			{\$14}			{\$382}
QUALITY ASSURANCE							\$12			\$14			\$6
ACCEPTANCE TESTING							\$3						\$376
PC&H FOR 20MM MK3 PALLETS							\$2						
TOTALS:					1,579,949		\$16,755	831,820		\$10,457	1,513,914		\$20,556

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 20	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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										
FY2009(1)	1,579,949	\$11	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARION, IL/ ATK/ ANOKA, MN	Mar-09	Mar-10			
FY2010(2)	831,820	\$13	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARION, IL/ ATK/ ANOKA, MN	Mar-10	Mar-11	Yes		
FY2011(3)	1,513,914	\$13	AFMC/OC-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARION, IL/ ATK/ ANOKA, MN	Mar-11	Mar-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY2009 procurement is an option of the FY2008 Basic Contract split between General Dynamics Ordnance and Tactical Services (GD-OTS) and Alliant Techsystems Inc (ATK) with at least 4 option years. Each year when the options are exercised, contracts will be awarded/split between the two vendors based on past performance.</p> <p>(2) FY2010 procurement is an option of the FY2008 Basic Contract.</p> <p>(3) FY2011 procurement is an option of the FY2008 Basic Contract</p>										
			P-1 ITEM NO 2			PAGE NO: 21	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (5.56 FRANG - AA40)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$4,900	\$9,508	\$7,000	\$8,000	\$8,000	\$8,000	\$8,000
<p>Description:</p> <p>The 5.56mm frangible is the primary training round for the Air Force and consists of a lead-free small rifle primer in a brass cartridge case. These cartridges are more environmentally friendly than standard 5.56 ball cartridges. The case is made of reusable/recyclable brass, which is the same as 5.56mm ball ammunition. The 5.56mm frangible cartridges are used in M16-series rifles, which include M4 rifles.</p> <p>The Air Force procures this item through the Navy.</p> <p>Representative items requested in FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (5.56 FRANG - AA40)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
5.56 FRANG (AA40)	A			11,395,348	\$4,900	22,111,627	\$9,508	15,941,699	\$7,000
TOTALS:				11,395,348	\$4,900	22,111,627	\$9,508	15,941,699	\$7,000

Remarks:
Cost information is in thousands of dollars.

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (5.56 FRANG - AA40)						
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	
5.56 FRANG (AA40)										
FY2009(1)	11,395,348		AFMC/OO-ALC	MIPR/OPT/FFP W/OPT	NAVY/WINCHESTER/ EAST ALTON, IL	Jun-09	Sep-10			
FY2010(1)	22,111,627		AFMC/OO-ALC	MIPR/OPT/FFP W/OPT	NAVY/WINCHESTER/ EAST ALTON, IL	Mar-10	Sep-11	Yes		
FY2011(2)	15,941,699		AFMC/OO-ALC	MIPR/C/FFP W/OPT	NAVY/UNKNOWN	Mar-11	Sep-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has an FY2006 base year with 4 option years. (2) A new contract will be required for the FY2011 procurement.</p>										
		P-1 ITEM NO 2			PAGE NO: 24			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30MM HEI PGU-13/B B104)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$0	\$31,915	\$36,250	\$9,926	\$7,473	\$16,242	\$18,533
<p>Description:</p> <p>FY2010 funding totals include \$18.102M of appropriated Overseas Contingency Operations funding. FY2011 fundiing totals include \$13.411M requested for Overseas Contingency Operations.</p> <p>The 30MM HEI PGU-13/B is a High Explosive Incendiary (HEI) round that is used with the GAU-8/A cannon on the A-10 aircraft. This round contains an explosive material that is used against light armor and personnel.</p> <p>This item is procured through the Single Manager for Conventional Ammunition (SMCA)</p> <p>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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 2			PAGE NO: 25			
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (30MM HEI PGU-13/B B104)
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2009			FY2010			FY2011				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
CARTRIDGES (30MM HEI PGU-13/B B104) (1)												
30MM HEI PGU-13/B	A						601,033	\$53	{\$31,869}	679,028	\$53	{\$36,241}
LOAD, ASSEMBLE, PACK (LAP)							601,033	\$50	\$30,037	679,028	\$49	\$33,457
CONTAINER CNU-332E							1,050	\$1,364	\$1,433	1,222	\$1,897	\$2,318
TUBE AND STRAP ASSEMBLY F/30MM							1,050	\$381	\$400	1,222	\$382	\$466
PRODUCTION SUPPORT												
QUALITY ASSURANCE									\$18			\$9
ACCEPTANCE TESTING									\$28			
TOTALS:							601,033		\$31,915	679,028		\$36,250

Remarks:
 Total Cost information is in thousands of dollars.

(1) FY2011 OCO quantity of 251,202

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30MM HEI PGU-13/B B104)						
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	
CARTRIDGES (30MM HEI PGU-13/B B104)(2)										
30MM HEI PGU-13/B										
FY2010(1)	601,033	\$53	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-10	Mar-11	Yes		
FY2011(2)	679,028	\$53	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-11	Mar-12	Yes		
Remarks: Cost information is in actual dollars. (1) FY2010 procurement is a new basic contract. (2) FY2011 procurement will be an option of the FY2010 Basic contract.										
			P-1 ITEM NO 2				PAGE NO: 27	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B - B116)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$52,007	\$43,409	\$29,584	\$27,216	\$28,042	\$28,277	\$25,248
<p>Description:</p> <p>FY2009 funding totals include \$9.562M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$8.818M of appropriated supplemental Overseas Contingency Operations funding.</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. 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 FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B - B116)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
30MMTP	A				3,265,486	\$15.89	{\$51,887}	2,322,954	\$18.59	{\$43,182}	1,510,819	\$19.25	{\$29,080}
LOAD,ASSEMBLE,PACK					3,265,486	\$14.91	\$48,696	2,322,954	\$17.68	\$41,063	1,510,819	\$18.20	\$27,503
CONTAINER CNU-332E					5,883	\$172.92	\$1,017	4,182	\$126.11	\$527	2,720	\$198.33	\$539
TUBE AND STRAP ASSEMBLY					5,883	\$369.60	\$2,174	4,182	\$380.60	\$1,592	2,720	\$381.52	\$1,038
PRODUCTION SUPPORT													
QUALITY ASSURANCE							\$19			\$17			\$17
ACCEPTANCE TESTING							\$100			\$210			\$487
TOTALS:					3,265,486		\$52,007	2,322,954		\$43,409	1,510,819		\$29,584

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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										
FY2009(1)	3,265,486	\$15.89	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARIAN, IL/ ALLIANT TECH/ MN	Jan-09	Jan-10			
FY2010(1)	2,322,954	\$18.59	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARIAN, IL/ ALLIANT TECH/ MN	Jan-10	Jan-11			
FY2011(1)	1,510,819	\$19.25	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/GD-OTS/MARIAN, IL/ ALLIANT TECH/ MN	Mar-11	Mar-12	Yes		
Remarks: Cost information is in actual dollars. (1) Contract has an FY07 base year with 4 option years. Each year when the options are exercised, contracts will be awarded/split between GD-OTS and ATK based on past performance.										
			P-1 ITEM NO 2				PAGE NO: 30	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$86,881	\$59,190	\$58,460	\$54,255	\$42,149	\$40,288	\$42,632
<p>Description:</p> <p>FY2009 funding totals include \$7.422M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$11.397M of appropriated supplemental Overseas Contingency Operations funding. FY2011 funding totals include \$14.911M requested for Overseas Contingency Operations.</p> <p>All items have an annual procurement of less than \$5,000,000 and are Code A.</p> <p>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
CARTRIDGES (ITEMS LESS THAN \$5 MILLION) (2)					
(3W37) RR-188 CHAFF (2-3)	5865013381200AQ			147,297	\$500
(A059) 5.56MM NATO BALL CLIPPED	1305011555459			9,153,742	\$3,500
(A062) 5.56MM SAW				8,628,128	\$4,000
(A111) CTG 7.62MM BLANK M82 LNKD	1305011811750			2,285,192	\$1,000
(A112) 7.62MM BLANK, SINGLE	1305009905594			102,329	\$58
(A131) 7.62 BALL 4-1	1305008922150			1,796,737	\$1,600
(A143) 7.62MM BALL M80 LINKED/M13	1305008922330			2,194,185	\$2,000
(A257) 7.62MM BALL DIM TRACER (4)	1305013809803			578,034	\$500
(A363) 9MM BALL	1305011729558			16,480,093	\$2,856
(A475) .45 CAL BALL M1911	1305003011685			168,982	\$101
(A483) .45 CAL BALL (MATCH GRADE)	1305008922526			76,977	\$44
(A557) .50 CAL BALL TRACER	1305013702594			958,084	\$2,800
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)

DATE: FEBRUARY 2010

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

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

PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
(A606) CTG, CAL.50 API MK211 MOD (5)	1305012508162			45,696	\$600
(AA01) CTG 5.56MM AP M995 LKD	1305013937050			14,584	\$30
(AA02) 5.56 AP TRACER 4-1 LINKED (1)	1305013937052			653,211	\$1,000
(AA16) 9MM BALL FRANGIBLE (2)	1305014428717			8,928,572	\$2,500
(AA51) 12 GAUGE N-LETH PT-CONT M1012 (2-3)	1305014702405			887,948	\$1,951
(AA52) 12 GA. N-LETHAL CROWD M1013 (2-3)	1305014702139			511,121	\$1,149
(AA58) .50 CAL AP, MK263 MOD 0 (1)	1305014821053			1,624	\$6
(AA85) 5.56 FRANGIBLE LINKED (2)	1305015090177			257,891	\$125
(AB09) 5.56 BLUE MARKING CARTRIDGE (1,6)	1305015365822			4,477,612	\$3,000
(AB10) 5.56 RED MARKING CARTRIDGES (1,7)	1305015365827			4,477,612	\$3,000
(AB13) 9MM BLUE MARKING CARTRIDGE (1,8)	1305015367721			2,807,017	\$1,600
(AB14) 9MM RED MARKIING CARTRIDGE (1,9)	1305015367722			2,807,017	\$1,600
(AB16) 5.56 BLUE MARKING CARTRIDGE LINKED (1,10)	1305015371521			1,098,765	\$890

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
(AB17) 5.56 RED MARKING CARTRIDGE (1,11)	1305015371522			1,098,765	\$890
(AB20) CTG, 30MM PGU-14 API REMAN				196,430	\$4,522
(AY04) 12 GAUGE BIRDSCARE (2)	1370012041525			16,481	\$17
(B519) CTG, 40MM PRACTICE M781	1310012118073			294,123	\$1,500
(BA06) 40MM NON-LETHAL XM1006 (2,12)	1310014521190			124,087	\$2,688
(BA13) CTG, 40MM CROWD DISPERS GRENADE (2,13)	1310014750628			166,229	\$2,915
(BA21) 40 MM MK281 MOD 1 F MK19				83,265	\$1,000
(M189) CART IMP ARD 863-1 3000# (2-3)	1377013692492			46,602	\$207
(M190) IMPULSE CART, MK2 MOD 1 (2-3)				226	\$23
(M943) CART, IMP MK107 (2-3)				2,081	\$219
(MG11) BBU-36 IMPULSE CARTRIDGE (2,14)	1377010378650			254,632	\$415
(MG62) BBU-35 IMP CART (2,15)	1377014561933			506,584	\$904
(MT40) SQUIB, ELECTRIC BBU-46A/B (2-3)	1377014361106			3,382	\$119
	P-1 ITEM NO 2		PAGE NO: 34		Page 3 of 5

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN	FY2011			
		QTY.	COST	QTY.	COST
(NY02) CTG, CHAFF, RR-196T-1)AL (2)	5865015537532			69,160	\$2,882
(SS27) BBU-48 IMPULSE CARTRIDGE (2,16)	1377012859721			201,875	\$1,615
(SS44) BBU-63 IMPULSE CART (2)	1377015028981			1,999	\$500
(SY16) RR-180 CHAFF (2-3)	1370012705149			5,247	\$45
(WB33) ARD 446 IMPULSE CARTRIDGE (2-3)	1377014821555			24,709	\$164
(WD01) BBU-59/B IMPULSE CART (2)	1377014982054			5,015	\$425
AF MED CAL PROGRAM				1	\$1,000
TOTALS:					\$58,460

Remarks:

Cost information is in thousands of dollars.

- (1) Unit price based on vendor estimate.
- (2) Items are not purchased for AF by the Single Manager. Unit prices are based on last procurement price plus inflation.
- (3) FY2011 OCO REQUEST

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
(4) FY2011 OCO quantity of 144,508 (5) FY2011 OCO quantity of 3046 (6) FY2011 OCO quantity of 1,492,537 (7) FY2011 OCO quantity of 1,492,537 (8) FY2011 OCO quantity of 1,578,947 (9) FY2011 OCO quantity of 1,578,947 (10) FY2011 OCO quantity of 23,456 (11) FY2011 OCO quantity of 23,456 (12) FY2011 OCO quantity of 112,546 (13) FY2011 OCO quantity of 151,973 (14) FY2011 OCO quantity of 127,009 (15) FY2011 OCO quantity of 226,393 (16) FY2011 OCO quantity of 14,375					
	P-1 ITEM NO 2		PAGE NO: 36	Page 5 of 5	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (OVERVIEW)
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		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$45,717	\$52,336	\$34,094	\$38,831	\$32,279	\$28,901	\$29,682

Description:
 FY2009 funding include \$21.200M of appropriated supplemental Overseas Contingency Operations funding.
 Items in this category consist of non-explosive shapes, simulating live bombs, which provide aircrew weapons delivery and load crew maintenance training. Many items are also utilized for testing in support of OSD's Insensitive Munitions (IM) compliance.

Projected Test and Training Allocations for Reserve Component Requirements based on FY2009 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority)

\$M	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
ANG:	\$7.592	\$8.691	\$5.662	\$6.449	\$5.361	\$4.800	\$4.929
Reserve:	\$2.397	\$2.744	\$1.788	\$2.036	\$1.693	\$1.516	\$1.557

Items requested in FY2011 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-1 ITEM NO 3		PAGE NO: 37	Page 1 of 1
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2010

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

PRACTICE BOMBS (OVERVIEW)

PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK82 INERT/BDU-50C/B (EB71)	A			25,581	\$35,823	8,574	\$11,527	4,896	\$7,749
BDU-56 CDI (ED12)	A			589	\$3,053	5,599	\$17,617	1,987	\$10,652
BLU-109 (F034)	A			58	\$1,183	303	\$6,132	308	\$6,412
ITEMS LESS THAN \$5M	A				\$5,658		\$17,060		\$9,281
TOTALS:					\$45,717		\$52,336		\$34,094

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56A/B CDI - ED12)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$3,053	\$17,617	\$10,652	\$8,817	\$7,914	\$3,984	\$5,652
<p>Description:</p> <p>The BDU-56A/B is a 2000 pound thick-wall cast ductile iron, non-explosive training shape used to provide combat air forces with aircrew weapons delivery training. The BDU-56 simulates the drop trajectory of a live MK-84.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY2011 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 3		PAGE NO: 39		Page 1 of 1				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56A/B CDI - ED12)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BDU-56A/B CDI - ED12	A				589	\$5,183	{ \$3,053 }	5,599	\$3,145	{ \$17,611 }	1,987	\$5,356	{ \$10,642 }
BOMB BODY-56/B W/O PLUMBING					589	\$4,750	\$2,798	5,599	\$2,680	\$15,004	1,987	\$4,903	\$9,743
LUG SUSP ACFT ORD MK3-0					1,166	\$52	\$60	11,034	\$53	\$586	3,935	\$53	\$210
PALLET MK79					292	\$667	\$195	2,827	\$715	\$2,021	984	\$700	\$689
PRODUCTION SUPPORT													
QUALITY ASSURANCE										\$6			\$10
TOTALS:					589		\$3,053	5,599		\$17,617	1,987		\$10,652

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 3		PAGE NO: 40	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56A/B CDI - ED12)						
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-56A/B CDI - ED12										
FY2009(1)	589	\$5,183	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/UNKNOWN	Mar-10	Sep-10	Yes		
FY2010(2)	5,599	\$3,145	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-10	Sep-11	Yes		
FY2011(3)	1,987	\$5,356	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-11	Sep-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) This new item requires the full spectrum of contracting activities (source selection, first article test, etc.) and therefore contract award will not occur until FY2010. It is intended that the contract will have at least 2 option years, one of which will be the FY2010 procurement, expected to execute shortly after FY2009 contract has been awarded.</p> <p>(2) FY2010 procurement will be an option of the FY2009 SMCA basic contract.</p> <p>(3) FY2011 procurement will be an option of the FY2009 SMCA basic contract.</p>										
			P-1 ITEM NO 3			PAGE NO: 41	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-50C/B CDI - EB71)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$35,823	\$11,527	\$7,749	\$14,706	\$13,563	\$15,586	\$15,784
<p>Description:</p> <p>FY2009 funding totals include \$21.200M of appropriated supplemental Overseas Contingency Operations funding.</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 FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-50C/B CDI - EB71)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		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				25,581	\$1,397	(\$35,748)	8,574	\$1,343	(\$11,512)	4,896	\$1,581	(\$7,743)
BDU-50 PRACTICE BOMB					25,581	\$1,340	\$34,279	8,574	\$1,284	\$11,011	4,896	\$1,522	\$7,450
SUSP LUG MS3314					51,674	\$20	\$1,059	17,320	\$21	\$366	9,889	\$21	\$209
PALLET INSPECTION, MHU149/E					4,349	\$94	\$411	1,458	\$92	\$134	832	\$101	\$84
PRODUCTION SUPPORT													
QUALITY ASSURANCE							\$3			\$15			\$6
PCH FOR BDU-50C/B CDI							\$72						
TOTALS:					25,581		\$35,823	8,574		\$11,527	4,896		\$7,749

Remarks:
 Total Cost information is in thousands of dollars.

 Pallets are Government Furnished Material (GFM) FY2009-2011; charges are for the inspection of pallets.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-50C/B CDI - 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										
FY2009(1)	25,581	\$1,397	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ALLIED MECHANICAL/APPLETON, WI	Mar-09	Nov-09			
FY2010(1)	8,574	\$1,343	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ALLIED MECHANICAL/APPLETON, WI	Mar-10	Nov-10	Yes		
FY2011(2)	4,896	\$1,581	AFMC/OO-ALC	MIPR/C/FFP	ARMY/UNKNOWN	Mar-11	Nov-11	Yes		
Remarks: Cost information is in actual dollars. (1) FY2009 and FY2010 procurements are the last two options of the FY2008 Basic contract. (2) FY2011 will be a new contract with at least 4 option years.										
			P-1 ITEM NO 3				PAGE NO: 44	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS BLU-109 D-1 (F034)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$1,183	\$6,132	\$6,412	\$2,544	\$2,657	\$2,555	\$2,608
<p>Description:</p> <p>The BLU-109(D-1)/B warhead is a 2000-pound hard target inert bomb filled with 553 pounds of Filler-E wood product material. The warhead is used for testing on the Paveway II, III, and GBU-15 weapon systems.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Items requested in FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS BLU-109 D-1 (F034)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
GENERAL PURPOSE BOMBS (BLU-109(D-1), F034)	A				58	\$20,241	{\$1,174}	303	\$20,207	{\$6,123}	308	\$20,784	{\$6,402}
LOAD, ASSEMBLE, PACK					58	\$2,531	\$147	303	\$2,016	\$611	308	\$2,719	\$838
RECEIPT BOMB BLU-109(D-1)B 2000LB					60	\$14	\$1	310	\$19	\$6	315	\$17	\$5
BLU-109/B EMPTY BOMB CASES					60	\$16,045	\$963	310	\$16,631	\$5,156	315	\$16,563	\$5,217
CONTAINER SHIP/STORE CNU 417/E					30	\$2,121	\$64	158	\$2,216	\$350	156	\$2,189	\$342
PRODUCTION SUPPORT													
QUALITY ASSURANCE							\$9			\$10			\$10
CONTINGENCY (NONRECURRING)													
TOTALS:					58		\$1,183	303		\$6,132	308		\$6,412

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS BLU-109 D-1 (F034)						
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	
GENERAL PURPOSE BOMBS (BLU-109(D-1), F034)(1)										
FY2009(1)	58	\$20,241	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/MCALESTER ARMY PLANT/MCALESTER, OK	Feb-09	Sep-10			
FY2010(1)	303	\$20,207	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/MCALESTER ARMY PLANT/MCALESTER, OK	Feb-10	Sep-11			
FY2011(1)	308	\$20,784	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/MCALESTER ARMY PLANT/MCALESTER, OK	Feb-11	Sep-12	Yes		
Remarks: Cost information is in actual dollars. (1) FY2008 base contract with 4 option years.										
		P-1 ITEM NO 3			PAGE NO: 47					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (ITEMS LESS THAN \$5 MILLION)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$2,785	\$16,113	\$9,281	\$15,308	\$7,460	\$6,270	\$2,915
<p>Description:</p> <p>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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
(CY47) BLU-109 EMPTY CASE (2)				18	\$295
(EC37) MK-83-4 INERT				472	\$1,401
(F262) MK-84 INERT				141	\$791
(MY38) BLU-113A/B EMPTY CASE (1)				19	\$2,835
BDU-61/BCDI 1000LB PRACTICE BOMB				630	\$1,491
(E989) BLU-113/A D-1 INERT BOMB				16	\$2,468
TOTALS:					\$9,281

Remarks:

Cost information is in thousands of dollars.

- (1) DODIC MY38 is not a SMCA managed item. Unit price is the last procurement price plus inflation.
- (2) Unit price is the last Army procurement price plus inflation.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (OVERVIEW)
--	--

		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$183,444	\$250,748	\$237,037	\$194,117	\$195,289	\$188,682	\$208,659

Description:
 FY2009 funding totals include \$36.700M of appropriated supplemental Overseas Contingency Operations funding.
 FY2010 funding totals include \$34.085M of appropriated supplemental Overseas Contingency Operations funding.
 FY2011 funding totals include \$53.192M requested for Overseas Contingency Operations.

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.

Projected Test and Training Allocations for Reserve Component Requirements based on FY2009 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority)

\$M	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
ANG:	\$4.518	\$6.279	\$4.562	\$4.790	\$3.947	\$3.935	\$3.857
Reserve:	\$1.454	\$2.021	\$1.468	\$1.542	\$1.271	\$1.267	\$1.242

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

FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.

Items requested in FY2011 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.

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

DATE: FEBRUARY 2010

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

GENERAL PURPOSE BOMBS (OVERVIEW)

PROCUREMENT ITEMS	ID CODE	FY2009		FY2010		FY2011			
		QTY.	COST	QTY.	COST	QTY.	COST		
GENERAL PURPOSE BOMBS (OVERVIEW)									
BLU-109/B PENETRATOR (ED49)	A			1,193	\$32,046	2,195	\$60,659	2,188	\$58,961
BLU-110 1000 LB GP BOMB (ED41)	A			549	\$5,658	1,030	\$10,136	511	\$5,878
BLU-111 500LB IM FILL (ED15)	A			2,101	\$9,754	6,689	\$29,407	3,486	\$20,884
BLU-117 2000 LB GP BOMB (ED09)	A			1,736	\$32,547	1,798	\$34,940	1,642	\$34,231
BLU-121B/B GP BOMB (ED44)	A			87	\$7,987	95	\$8,813	96	\$8,423
MASSIVE ORDINANCE PENETRATOR (GBU-57)	A			8	\$20,200				
GBU-10/12 COMPUTER CONTROL GROUP (EA65)	A			4,849	\$53,241	5,236	\$58,407	5,238	\$59,375
MXU-650 FIN ASSEMBLY (EC32)	A			4,939	\$18,111	5,587	\$20,810	6,126	\$23,177
ITEMS LESS THAN 5 MILLION GP BOMBS	A				\$3,900		\$27,576		\$26,108
TOTALS:					\$183,444		\$250,748		\$237,037

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - (ED49)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$32,046	\$60,659	\$58,961	\$74,324	\$75,843	\$67,316	\$68,376
<p>Description:</p> <p>FY2010 funding totals include \$0.380M of appropriated supplemental Overseas Contingency Operations funding. FY2011 funding totals include \$1.680M requested for Overseas Contingency Operations.</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. Increased funding to fill a historically short stockpile and to support increasing unit costs due to change of bomb body design and new IM explosive fill.</p> <p>The DODIC was EC72 which was a GP bomb filled with PBXN-109. Now, the Air Force will procure DODIC ED49, NSN 1325015733873, BLU-109C/B penetrator bomb containing AFX-757 fill and insensitive munitions (IM) technology.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Items requested in FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - (ED49))
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BLU-109(1-2)	A				1,193	\$26,846	(\$32,028)	2,195	\$27,617	(\$60,620)	2,188	\$26,933	(\$58,929)
LOAD ASSEMBLE & PACK					1,193	\$6,088	\$7,262	2,195	\$6,178	\$13,561	2,188	\$6,284	\$13,749
RECEIPT OF GFM MATERIAL					1,217	\$16	\$20	2,239	\$19	\$43	2,231	\$17	\$37
BOMB BODY BLU-109					1,217	\$16,045	\$19,527	2,239	\$16,631	\$37,237	2,231	\$16,563	\$36,951
CNU 417 CONTAINER					603	\$2,121	\$1,279	1,108	\$2,216	\$2,456	1,104	\$2,189	\$2,417
CXM-AF-5LB					196,187	\$20	\$3,940	359,357	\$20	\$7,324	278,563	\$21	\$5,774
PRODUCTION SUPPORT													
PRODUCTION ENGINEERING							\$16			\$35			\$25
QUALITY ASSURANCE							\$2			\$4			\$7
TOTALS:							\$32,046			\$60,659			\$58,961

Remarks:
 Total Cost information is in thousands of dollars.

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

(1) FY2010 cost increases are due to new vendor estimates for CXM-7.
 (2) FY2011 OCO quantity of 62

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - (ED49						
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										
FY2009(1)	1,193	\$26,846	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/MCALESTER ARMY PLANT/MCALESTER, OK	Sep-09	Sep-10			
FY2010(2)	2,195	\$27,617	AFMC/OC-ALC	MIPR/C/FP	ARMY/MCALESTER ARMY PLANT/MCALESTER, OK	Mar-10	Sep-11	Yes		
FY2011(3)	2,188	\$26,933	AFMC/OC-ALC	MIPR/OPT/FP	ARMY/MCALESTER ARMY PLANT/MCALESTER, OK	Mar-11	Sep-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Ellwood National Forge Company, Irvine, PA, produces the bomb bodies. McAlester Army Ammunition Plant Loads, Assembles, and Packs, (LAP) the bombs. The CXM-7 is obtained in a competitive environment.</p> <p>(1) FY2009 procurement is an option of the FY2006 Basic contract with 3 option years. (2) FY2010 procurement will be a new Basic contract with at least 4 option years. (3) FY2011 procurement is an option of the FY2010 Basic contract with 4 option years</p>										
			P-1 ITEM NO 4			PAGE NO: 55	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB - ED41)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$5,658	\$10,136	\$5,878	\$0	\$0	\$0	\$0
<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>Increased funding to fill new stockpile, and meet pilot training objectives for fielding of the F-22A aircraft.</p> <p>This item is procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>This item was previously identified as DODIC EB28 which was provided by the Navy as a place-holder awaiting cataloging action. New DODIC is ED41 which represents the new insensitive munitions (IM) technology.</p> <p>Representative items requested in FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB - ED41)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BLU-110B/B (1)	A				549	\$10,296	{ \$5,652 }	1,030	\$9,814	{ \$10,109 }	511	\$11,409	{ \$5,830 }
LOAD ASSEMBLE & PACK					549	\$1,401	\$769	1,030	\$1,500	\$1,545	511	\$1,493	\$763
RECEIPT OF GFM					560	\$21	\$12	1,050	\$21	\$22	521	\$18	\$9
BOMB BODY BLU-110B/B					560	\$2,559	\$1,433	1,050	\$3,395	\$3,564	521	\$2,955	\$1,539
LUG SUSPENSION MS3314					1,109	\$20	\$23	2,079	\$21	\$44	1,031	\$21	\$22
CXM-7 (LB)					201,753	\$16	\$3,313	281,204	\$17	\$4,830	186,139	\$18	\$3,396
PALLET MHU-187					187	\$549	\$103	175	\$589	\$103	174	\$576	\$100
PRODUCTION SUPPORT													
PRODUCTION ENGINEERING							\$3			\$24			\$45
QUALITY ASSURANCE							\$3			\$3			\$3
TOTALS:							\$5,658			\$10,136			\$5,878

Remarks:
 Total Cost information is in thousands of dollars.

The Navy Engineering support is based on a minimum amount of \$1.2M spread over all commodities requiring Engineering support.

(1) Unit cost increase is due to an \$800.00 hard bomb materials increase .

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB - ED41)						
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										
FY2009(1)	549	\$10,296	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Jan-09	Sep-10			
FY2010(1)	1,030	\$9,814	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Jan-10	Sep-11			
FY2011(1)	511	\$11,409	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Jan-11	Sep-12	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 FY2006 base year with at least 5 option years.</p>										
			P-1 ITEM NO 4				PAGE NO: 58	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-111A/B 500LB IM FILL) ED15				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$9,754	\$29,407	\$20,884	\$18,219	\$26,700	\$24,009	\$24,238
<p>Description:</p> <p>FY2009 funding totals include \$6.756M of appropriated supplemental Overseas Contingency Operations funding..</p> <p>FY2010 funding totals include \$9.407M for Overseas Contingency Operations.</p> <p>FY2011 funding totals include \$7.493M for Overseas Contingency Operations.</p> <p>The thermally-protected BLU-111 General Purpose (GP) Bomb is identical to the MK-82 (500 lb bomb), with the exception of the explosive filler. It has a relatively thin case with a slender body designed for improved ballistics. These bombs are employed as general purpose bombs delivered in high and low drag modes with ground burst, delayed or air burst fuzes and as precision guided munitions and aerial mines depending on the fin/airfoil group and fuzing.</p> <p>Increased funding procures new bomb body and IM explosive fill.</p> <p>This item is procured through the Single Manager for Conventional Ammunition (SMCA).</p> <p>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-111A/B 500LB IM FILL) ED15
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
GENERAL PURPOSE BOMBS (BLU-111A/B 500LB IM FILL) (1)													
BLU-111A/B 500LB MK82	A				2,101	\$4,640	{\$9,748}	6,689	\$4,388	{\$29,354}	3,486	\$5,975	{\$20,829}
FY11 OCO REQUEST											1,390	\$2,732	\$3,798
LOAD, ASSEMBLY, PACK (LAP)					2,101	\$536	\$1,126	6,689	\$776	\$5,189	3,486	\$789	\$2,751
RECEIPT BOMB MK82 500 LB					2,144	\$4	\$9	6,823	\$5	\$37	3,555	\$4	\$15
BOMB BODY MK82 MOD 6 IM					2,144	\$1,611	\$3,454	6,823	\$1,830	\$12,483	3,555	\$1,861	\$6,616
LUG SUSPENSION MS3314					4,245	\$20	\$87	13,510	\$21	\$286	7,040	\$21	\$149
CXM-7LB					306,823	\$16	\$5,038	655,229	\$17	\$11,255	407,807	\$18	\$7,440
PALLET MHU-149/E													
PALLET INSPECTION, MHU 149/E					358	\$98	\$35	1,139	\$92	\$105	593	\$101	\$60
PRODUCTION SUPPORT							{\$6}			{\$53}			{\$55}
PRODUCTION ENGINEERING							\$3			\$50			\$52
QUALITY ASSURANCE							\$3			\$3			\$3
TOTALS:					2,101		\$9,754	6,689		\$29,407	3,486		\$20,884

Remarks:			
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-111A/B 500LB IM FILL) ED15
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST

Total Cost information is in thousands of dollars.

(1) FY11 OCO REQUEST = \$7.493M

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-111A/B 500LB IM FILL) ED15						
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	
GENERAL PURPOSE BOMBS (BLU-111A/B 500LB IM FILL)										
BLU-111A/B 500LB MK82										
FY2009	2,101	\$4,640	AFMC/OO-ALC	MIPR/FFP	ARMY/ ARMY/ MCAAP, OK	Jan-09	Sep-09			
FY2010	6,689	\$4,388	AFMC/OO-ALC	MIPR/FFP	ARMY/ ARMY/ MCAAP, OK	Jan-10	Sep-11			
FY2011	3,486	\$5,975	AFMC/OO-ALC	MIPR/FFP	ARMY/ ARMY/ MCAAP, OK	Jan-11	Sep-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>The Single Manager for Conventional Munitions (SMCA) will purchase the bomb body on a Sole-Source contract from General Dynamics, Garland, TX and the insensitive munitions fill will be a competitive contracting method. Load, Assemble and Pack is accomplished at McAlester Army Ammunition Plant (MCAPP), OK.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-117 2000 LB GP BOMB - ED09)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$32,547	\$34,940	\$34,231	\$8,694	\$9,902	\$15,678	\$17,024
<p>Description:</p> <p>FY2009 funding totals include \$13.256M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$8.258M of appropriated supplemental Overseas Contingency Operations funding. FY2011 funding totals include \$15.984 requested for Overseas Contingency Operations.</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 changed from MK-84 2000 LB GP BOMB - F275 to BLU-117 2000 LB GP BOMB - ED02 and then to BLU-117B/B - ED09. 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>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-117 2000 LB GP BOMB - ED09)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		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 (1)	A				1,736	\$18,710	(\$32,480)	1,798	\$19,396	(\$34,873)	1,642	\$20,770	(\$34,104)
LOAD ASSEMBLE & PACK					1,736	\$3,237	\$5,619	1,798	\$3,772	\$6,783	1,642	\$3,341	\$5,486
RECEIPT MK84-2000LB BOMB					1,771	\$15	\$26	1,834	\$16	\$29	1,674	\$15	\$25
BLU-117 BOMB BODY					1,771	\$4,324	\$7,658	1,834	\$3,904	\$7,160	1,674	\$4,993	\$8,358
LUG SUSP MK3					3,507	\$52	\$181	3,631	\$53	\$193	3,316	\$53	\$177
IM FILL					1,129,506	\$16	\$18,411	1,167,830	\$17	\$20,060	1,067,528	\$18	\$19,477
PALLET MK79					877	\$667	\$585	907	\$715	\$648	829	\$700	\$581
PRODUCTION SUPPORT													
PRODUCTION ENGINEERING							\$31			\$32			\$92
QUALITY ASSURANCE							\$3			\$3			\$3
NAVY ENGINEERING SUPPORT							\$33			\$32			\$32
TOTALS:							\$32,547			\$34,940			\$34,231

Remarks:
Total Cost information is in thousands of dollars.

(1) FY2011 OCO quantity of 766

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-117 2000 LB GP BOMB - ED09)						
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(1)										
FY2009(1)	1,736	\$18,710	AFMC/OO-ALC	MIPR/FFP	ARMY/ARMY/ MCALESTER AMMUNITION PRODUCTION PLANT (MCAPP)/MCALESTER, OK	Aug-09	Sep-10			
FY2010(1)	1,798	\$19,396	AFMC/OO-ALC	MIPR/FFP	ARMY/ARMY/ MCALESTER AMMUNITION PRODUCTION PLANT (MCAPP)/MCALESTER, OK	Mar-10	Sep-11	Yes		
FY2011(1)	1,642	\$20,770	AFMC/OO-ALC	MIPR/FFP	ARMY/ARMY/ MCALESTER AMMUNITION PRODUCTION PLANT (MCAPP)/MCALESTER, OK	Mar-11	Sep-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Procurement of bomb bodies is a sole source contract with General Dynamics Ordnance and Tactical Systems, Garland, TX. Insensitive munitions fill will be purchased using a competitive contract method. McAlester Army Ammunition Plant Loads, Assembles, and Packs (LAP) the bombs.</p> <p>(1) Contract has an FY2006 base year with 4 option years.</p>										
			P-1 ITEM NO 4				PAGE NO: 65	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-121 B/B GP BOMB (ED44))
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		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$7,987	\$8,813	\$8,423	\$8,460	\$8,460	\$8,460	\$8,460

Description:
 The BLU-121 Bomb is used on the GBU-15, AGM-130 Precision Guided Air-to-Surface weapon and JDAM to form an improved 2000 lb. penetrating warhead, with the new designator of BLU-121. It is used on the F15E, F16, B-1 and B-2, aircraft weapon system platforms. The warhead provides tunnel target penetration, increased lethality, and survivability. The new BLU-121 significantly enhances the Air Force's capability to destroy tunnel targets. The BLU-121 improves warhead lethality through a more energetic explosive fill; enhanced warhead survivability through the use of an improved penetration steel case assembly; improved employment characteristics of the EGBU-15 guidance software; and increased warhead safety through mitigated reaction to unplanned stimuli (Insensitive Munitions requirement), thereby improving overall safety.

The engineering effort for the program was funded FY02-FY09 by the Defense Threat Reduction Agency (DTRA) with 97X0400 (R&D) funds.

This item is procured through the Air Armament Center, Eglin AFB, FL.

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-121 B/B GP BOMB (ED44))
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BLU-121 2000LB PENETRATOR BOMB	A				87	\$86,380	{\$7,515}	95	\$88,214	{\$8,380}	96	\$82,533	{\$7,923}
LOAD ASSEMBLE & PACK					87	\$8,400	\$731	95	\$8,400	\$798	96	\$8,677	\$833
BLU-121 BOMB BODY					87	\$70,410	\$6,126	95	\$72,224	\$6,861	96	\$66,220	\$6,357
AFX-757 (LB)					79,824	\$8	\$659	87,400	\$8	\$721	88,320	\$8	\$733
PRODUCTION AND SUPPORT COST													
ENGINEERING CHANGE ORDERS							\$50			\$50			\$50
DIRECT MISSION SUPPORT							\$422			\$383			\$450
TOTALS:					87		\$7,987	95		\$8,813	96		\$8,423

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-121 B/B GP BOMB (ED44))						
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-121 2000LB PENETRATOR BOMB										
FY2009(1)	87	\$86,380	AFMC/AAC	SS/FFP	ELLWOOD NATIONAL FORGE	Oct-09	Apr-10			
FY2010(1)	95	\$88,214	AFMC/AAC	SS/FFP W/OPT	ELLWOOD NATIONAL FORGE	May-10	Apr-11	Yes		
FY2011(1)	96	\$82,533	AFMC/AAC	SS/FFP W/OPT	ELLWOOD NATIONAL FORGE	May-11	Apr-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has an FY2009 base year with 6 option years.</p>										
			P-1 ITEM NO 4				PAGE NO: 68	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: 3020 GENERAL PURPOSE BOMBS (MOP)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY		8						
COST (in Thousands)		\$20,200	\$0	\$0	\$0	\$0	\$0	\$0
<p>Description:</p> <p>The Massive Ordnance Penetrator (MOP) GBU-57 is a precision GPS guided penetrator munition that provides a significantly improved penetration capability of air-to surface conventional munitions against hard and deeply buried targets. MOP uses a BLU-127 warhead which improves warhead penetration and lethality by using a much larger casing with more explosive fill than any other conventional penetrating weapon. The system will hold at risk those highest priority assets essential to the enemy's warfighting ability, providing a critical global strike capability not currently met by inventory conventional weapons.</p> <p>MOP was developed by the Defense Threat Reduction Agency (DTRA) as a technology demonstration and is being produced under an Air Force Quick Reaction Capability (QRC) to quickly field the capability.</p> <p>This item is procured through the Air Armament Center, Eglin AFB, FL.</p>								
		P-1 ITEM NO 4			PAGE NO: 69			
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: 3020 GENERAL PURPOSE BOMBS (MOP)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
GBU-57 30,000LB PENETRATOR	A				8	\$1,952,000	\$15,616						
CONTRACTOR INCENTIVE							\$1,869						
PROGRAM MANAGEMENT/ADMINISTRATION							\$2,715						
TOTALS:					8		\$20,200						

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: 3020 GENERAL PURPOSE BOMBS (MOP)						
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-57 30,000LB PENETRATOR										
FY2009	8	\$1,952,000	AFMC/AAC	SS/CPFF	BOEING/ST CHARLES, MO	Mar-10	Oct-10	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 4				PAGE NO: 71	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-10/12 COMPUTER CONTROL GROUP)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$53,241	\$58,407	\$59,375	\$41,605	\$42,489	\$41,598	\$57,704
<p>Description:</p> <p>FY2009 funding totals include \$10.714M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$10.203M of appropriated supplemental Overseas Contingency Operations funding. FY2011 funding totals include \$20.036M requested for Overseas Contingency Operations.</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>Funding increase procures assets to fill a historically worldwide stockpile shortage.</p> <p>This item is procured through the Ogden Air Logistics Center.</p> <p>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-10/12 COMPUTER CONTROL GROUP)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		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 (1)	A				4,849	\$10,980	{\$53,241}	5,236	\$11,155	{\$58,407}	5,238	\$11,335	{\$59,375}
GBU-10/12 COMPUTER CONTROL GROUP KIT					4,849	\$10,709	\$51,928	5,236	\$10,880	\$56,968	5,238	\$11,054	\$57,901
PALLET					1,931	\$7	\$14	1,098	\$9	\$10	1,634	\$11	\$18
CONTAINER CNU-317					4,849	\$268	\$1,300	5,236	\$273	\$1,429	5,238	\$278	\$1,456
TOTALS:					4,849		\$53,241	5,236		\$58,407	5,238		\$59,375

Remarks:
 Total Cost information is in thousands of dollars.

FY2009 Unit Price based on average of FY09 Production contract cost for MAU-169/MAU-209 CCGs.
 FY2010-FY2011 unit cost based on annual 1.6% increase.

(1) FY2011 OCO quantity of 1767

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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										
FY2009(1)	4,849	\$10,980	AFMC/OO-ALC	OPT/FFP	LOCKHEEDMARTIN/ ARCHBALD,PA/ RAYTHEON/TUCSON,AZ	May-09	May-10			
FY2010(2)	5,236	\$11,155	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	May-10	May-11	Yes		
FY2011(3)	5,238	\$11,335	AFMC/OO-ALC	OPT/FFP	UNKNOWN	May-11	May-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY2009 contract is the last option of an FY2003 basic contract. (2) FY2010 is a new IDIQ contract with the initial FY10 ordering period and at least 6 additional ordering periods. Contract might be split between Raytheon and Lockheed depending upon offers received. (3) FY2011 procurement will be an option of the FY2010 basic contract.</p>										
			P-1 ITEM NO 4			PAGE NO: 74	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY)
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		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$18,111	\$20,810	\$23,177	\$18,835	\$16,289	\$15,827	\$16,998

Description:
 FY2009 funding totals include \$5.420M of appropriated supplemental Overseas Contingency Operations funding.
 FY2010 funding totals include \$5.492M of appropriated supplemental Overseas Contingency Operations funding.
 FY2011 funding totals include \$7.719M for Overseas Contingency Operations.

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.

FY2010 funding decreased to support minimum procurement to sustain worldwide fin assemblies inventory.

This item is procured through the Ogden Air Logistics Center.

FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.

Representative items requested in FY2011 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.

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		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 (1)	A				4,939	\$3,667	{\$18,111}	5,587	\$3,725	{\$20,810}	6,126	\$3,783	{\$23,177}
MXU-650/BKIT					4,939	\$3,411	\$16,847	5,587	\$3,465	\$19,359	6,126	\$3,520	\$21,564
PALLET					2,900	\$5	\$15	2,966	\$7	\$21	2,982	\$9	\$27
DRUM CONTAINER (YY52)					4,939	\$253	\$1,250	5,587	\$256	\$1,430	6,126	\$259	\$1,587
TOTALS:					4,939		\$18,111	5,587		\$20,810	6,126		\$23,177

Remarks:
Total Cost information is in thousands of dollars.

(1) FY2011 OCO quantity of 2040

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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										
FY2009(1-2)	4,939	\$3,667	AFMC/OO-ALC	OPT/FFP	LOCKHEEDMARTIN/ ARCHBALD,PA/ RAYTHEON/TUCSON, AZ	May-09	May-10			
FY2010(3)	5,587	\$3,725	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	May-10	May-11	Yes		
FY2011(4)	6,126	\$3,783	AFMC/OO-ALC	OPT/FFP	UNKNOWN	May-11	May-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY2009 is an option of the FY2003 basic contract. (2) Contract 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. (3) FY2010 procurement will be a new basic contract with at least 4 option years. (4) FY2011 procurement will be an option of the FY2010 Basic contract.</p>										
			P-1 ITEM NO 4				PAGE NO: 77			
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$12,383	\$18,900	\$26,108	\$61,922	\$60,154	\$58,977	\$76,169
<p>Description:</p> <p>FY2009 funding totals include \$0.555M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$0.725M of appropriated supplemental Overseas Contingency Operations funding. FY2011 funding totals include \$0.280M requested for Overseas Contingency Operations.</p> <p>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>All items have a procurement value of less than \$5,000,000. Representative items requested in FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)					
(EA67) LANYARD (1-2)				1,108	\$20
(ED01) BLU-126 LCDB GEN PURP BOMB (2)					\$188
(EC60) BLU-122					\$3,000
(F607) FIN ASSY BOMB F/200 LB GP MK84 (1)				5,326	\$2,268
(F782) BSU-33 FIN, MK82 GP BOMB (1,3)				40,767	\$3,809
(FW26) NOSE SUPPORT CUP (1-2)				5,864	\$54
BLU-109 IM PIP					\$3,069
BLU-109 PRODUCTION ENGINEERING (LWIP)					\$3,900
BLU-113 IM PIP					\$4,900
GP BOMB IM PIP					\$4,900
TOTALS:					\$26,108

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 4		PAGE NO: 79	Page 1 of 2
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
<p>(1) Unit price is based on last procurement cost plus inflation. (2) FY2011 OCO request (3) FY2011 OCO quantity of 192</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40M)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION
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	PRIOR YEARS	2009	2010	2011	2012	2013	2014	2015	TOTAL
Quantity	125,125	6,073	7,517	9,331	3,250	3,250	3,100	3,000	160,646
Gross Cost (\$M)	\$2,794.249	\$165.807	\$190.357	\$252.633	\$101.706	\$103.224	\$105.082	\$106.972	\$3,820.030
Initial Spares (\$M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total (\$M)	\$2,794.249	\$165.807	\$190.357	\$252.633	\$101.706	\$103.224	\$105.082	\$106.972	\$3,820.030
Flyaway Unit Cost (\$M)	\$0.021	\$0.025	\$0.024	\$0.026	\$0.027	\$0.028	\$0.030	\$0.032	\$0.022
Wpn Sys Proc Unit Cost (\$M)	\$0.022	\$0.027	\$0.025	\$0.027	\$0.031	\$0.032	\$0.034	\$0.036	\$0.024

Description:
 FY2009 funding totals include \$60.400M of appropriated supplemental Overseas Contingency Operations funding.
 FY2010 funding totals include \$97.978M of appropriated supplemental Overseas Contingency Operations funding.
 FY2011 funding totals include \$147.991M requested for Overseas Contingency Operations.

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

2. The FY11 budget includes funding to procure 9,331 Lot 15 JDAM guidance kits (3500 baseline plus 5831 from requested supplemental funding).

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40M) **DATE:** FEBRUARY 2010

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:
JOINT DIRECT ATTACK MUNITION

Projected Test and Training Allocations for Reserve Component Requirements based on FY2009 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority)

\$M	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
ANG:	\$25.281	\$29.024	\$15.955	\$15.507	\$15.739	\$16.022	\$16.310
Reserve:	\$5.388	\$6.186	\$3.400	\$3.305	\$3.354	\$3.415	\$3.476

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2010				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION									
WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
JOINT DIRECT ATTACK MUNITION					6,073		{\$149,281}	7,517		{\$179,620}	9,331		{\$240,755}	
AIRFRAME	A				6,073	\$24,335	\$147,786	7,517	\$23,660	\$177,851	9,331	\$25,414	\$237,141	
ENGINEERING CHANGE ORDERS													\$1,253	
CONTRACTOR INCENTIVE							\$1,495			\$1,769			\$2,361	
SUPPORT COSTS							{\$16,526}	119		{\$10,737}	120		{\$11,878}	
AIRBORNE TEST EQUIPMENT	A							119	\$32,899	\$3,915	120	\$35,017	\$4,202	
PROGRAM MANAGEMENT ADMINISTRATION & MISSION SUPPORT							\$1,020			\$2,480			\$1,570	
ALTERNATE DISPUTE RESOLUTION							\$50			\$51			\$52	
PRODUCTION SUSTAINING ENGINEERING							\$15,456			\$4,291			\$6,054	
TOTALS:					6,073		\$165,807	7,636		\$190,357	9,451		\$252,633	
<p>Remarks: Total Cost information is in thousands of dollars.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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										
FY2009	6,073	\$24,335	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Dec-08	May-10			
FY2010	7,517	\$23,660	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Oct-09	Apr-11			
FY2011	9,331	\$25,414	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-11	Apr-12	Yes		
FY2012	3,250	\$26,490	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-12	Apr-13	Yes		
FY2013	3,250	\$27,009	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-13	Apr-14	Yes		
FY2014	3,100	\$29,540	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-14	Apr-15	Yes		
FY2015	3,000	\$31,018	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-15	Apr-16	Yes		
SUPPORT COSTS										
AIRBORNE TEST EQUIPMENT										
FY2010	119	\$32,899	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jul-10	Aug-11	Yes		
FY2011	120	\$35,017	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jul-11	Aug-12	Yes		
FY2012	121	\$35,620	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jul-12	Aug-13	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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	
FY2013	118	\$36,271	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jul-13	Aug-14	Yes		
FY2014	150	\$36,927	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jul-14	Aug-15	Yes		
FY2015	150	\$37,580	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jul-15	Aug-16	Yes		
Remarks: Cost information is in actual dollars.										
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AF FORM 1537(THEN YEAR DOLLARS)									
WEAPON SYSTEM BUDGET ESTIMATE (DOLLARS IN MILLIONS)	WEAPON SYSTEM: JDAM			CONTRACTOR: BOEING		AS OF DATE: FEBRUARY 2010		APPN: 3011	
CATEGORY TY\$ FY11APB	EQUIP: MUNITIONS			REPORT CONTROL SYMBOL:		PREPARED BY: 678 ARSS JDAM			
PE: 27583F BPAC: 353020									

DESCRIPTION	PRIOR YEARS	2009	2010	2011	2012	2013	2014	2015	TOTAL
QUANTITY OF AURs	125,125	6,073	7,517	9,331	3,250	3,250	3,100	3,000	160,646
RECURRING HARDWARE	\$2,616.474	\$147.786	\$177.851	\$237.141	\$86.094	\$87.780	\$91.574	\$93.053	\$3,537.753
ECO	\$0	\$0	\$0	\$1.253	\$1.275	\$1.298	\$0.771	\$0.785	\$5.382
CONTRACTOR INCENTIVE	\$26.910	\$1.495	\$1.769	\$2.361	\$0.851	\$0.867	\$0.905	\$0.920	\$36.078
FLYAWAY COST	\$2,643.384	\$149.281	\$179.620	\$240.755	\$88.220	\$89.945	\$93.250	\$94.758	\$3,579.213
TEST EQUIPMENT (CMBRE)	\$7.535	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7.535
AIRBORNE TEST EQUIPMENT	\$38.272	\$0	\$3.915	\$4.202	\$4.310	\$4.280	\$5.539	\$5.637	\$66.155
DATA	\$0.060	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.060
PROGRAM MGMT./ADMIN REQ	\$30.120	\$1.020	\$2.480	\$1.570	\$1.607	\$1.636	\$1.666	\$1.696	\$41.795
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	\$66.415	\$15.456	\$4.291	\$6.054	\$7.516	\$7.309	\$4.572	\$4.825	\$116.438
SEEK EAGLE	\$0.957	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.957
ALT. DISPUTE RESOLUTION	\$0.740	\$0.050	\$0.051	\$0.052	\$0.053	\$0.054	\$0.055	\$0.056	\$1.111
DELIVERY ACCELERATION	\$2.753	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2.753
WEAPON SYSTEM COST	\$2,794.249	\$165.807	\$190.357	\$252.633	\$101.706	\$103.224	\$105.082	\$106.972	\$3,820.030
INITIAL SPARES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROCUREMENT COST	\$2,794.249	\$165.807	\$190.357	\$252.633	\$101.706	\$103.224	\$105.082	\$106.972	\$3,820.030
TOTAL PROGRAM (TY\$)	\$2,794.249	\$165.807	\$190.357	\$252.633	\$101.706	\$103.224	\$105.082	\$106.972	\$3,820.030
APPROVED PROGRAM (TY\$)	\$2,794.249	\$165.807	\$190.357	\$252.633	\$101.706	\$103.224	\$105.082	\$106.972	\$3,820.030
DELTA (TY\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CAD/PAD				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$38,078	\$40,427	\$37,016	\$42,492	\$41,170	\$41,911	\$42,666
<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>Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CAD/PAD
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BOMBER AIRCRAFT	A				\$7,928		\$8,263		\$8,525
CARGO AIRCRAFT	A				\$4,344		\$4,774		\$4,869
FIGHTER AIRCRAFT	A				\$8,126		\$8,147		\$8,309
TRAINING AIRCRAFT	A				\$12,091		\$12,964		\$8,910
COMMON EGRESS ITEMS	A				\$1,835		\$2,065		\$2,106
COMMON LIFE SUPPORT ITEMS	A				\$1,835		\$2,065		\$2,106
COMMON MISC ITEMS	A				\$1,919		\$2,149		\$2,191
TOTALS:					\$38,078		\$40,427		\$37,016

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)
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		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$6,236	\$8,083	\$3,383	\$3,125	\$3,180	\$3,237	\$3,294

Description:
 FY2009 funding totals include \$3.000M of appropriated supplemental Overseas Contingency Operations funding.
 FY2010 funding include \$4.800M of appropriated supplemental Overseas Contingency Operations funding.

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).

Projected Test and Training Allocations for Reserve Component Requirements (subject to Total Force demand and priority)

\$M	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
ANG:	\$0.309	\$0.436	\$0.167	\$0.155	\$0.157	\$0.160	\$0.163
Reserve:	\$0.074	\$0.104	\$0.040	\$0.037	\$0.038	\$0.038	\$0.039

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

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

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

DATE: FEBRUARY 2010

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

EXPLOSIVES ORDNANCE DISPOSAL (EOD)

PROCUREMENT ITEMS	ID CODE	FY2009		FY2010		FY2011			
		QTY.	COST	QTY.	COST	QTY.	COST		
(A606) - 50 CAL API	A			1,057	\$10				
(AA63) - MK275 AVON	A			1,016	\$5				
(AA64) - MK276 POPPER (AA64)	A			2,128	\$2	2,083	\$2		
(AA66) - MEDIUM VELOCITY BLANK	A			1,600	\$2				
(DWDF) - DISRUPTOR, MAIN CHARGE	A			455	\$20				
(DWEC) - ENHANCED BLANK, MK 277	A			1,869	\$6				
(DWED) - STEEL SLUG, MK 279	A			545	\$3				
(DWEE) - ALUMINUM SLUG, MK 280	A			857	\$3	831	\$3	806	\$3
(LA37) - DEMINING FLARE	A			6,075	\$96				
(M023) - CHARGE, DEMOLITION C4-M112	A			19,267	\$655	18,596	\$750	23,560	\$1,000
(M032) - CHG DEMO TNT 1 LB	A							678	\$30
(M130) - CAP BLASTING ELECTRIC M6	A							5,509	\$20
(M456) - CORD ASBLY DETONATING	A			52,938	\$10	41,339	\$20	42,517	\$20
(M587) - DYNAMITE, NITRO GLYCERIN	A					1,333	\$3	435	\$1
(M670) - FUZE BLASTING TIME	A			170,852	\$100	99,403	\$50	151,945	\$75

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
(M757) - CHARGE ASBLY DEMO M183 COMP 4	A			396	\$300	396	\$300	747	\$650
(M980) - DETA SHEET	A					369	\$7	408	\$9
(M997) - CHARGE, DEMO SHAPED MK88	A			66	\$17				
(ML47) - B CAP W/30 FT SHOCK TUBE	A					1,705	\$15	582	\$10
(ML66) - RELOADER	A			51	\$1				
(MM54) - EXPLOSIVE CUTTING TAPE	A			3,414	\$243	2,886	\$156	1,392	\$150
(MN07) - N/E 70FT DELAY SHOCK TUBE	A					2,113	\$30	997	\$15
(MN08) - IGNITER TIME BLASTING	A			2,901	\$25	5,770	\$40	3,975	\$40
(MN30) - DYNAMITE, NITRO GLYCERIN	A			595	\$1				
(MN32) - DYNAMITE, AMONIA NITRATE 60%	A			69,930	\$100				
(MN82) - SEMTEX A	A			2,031	\$35	2,088	\$36	2,030	\$35
(MN85) - DYNAMITE, 75% AMMON NITRATE	A			2,804	\$4	1,597	\$2	1,598	\$2
(MN88) - SHOCK TUBE W/BLASTING CAP 500	A			2,355	\$100	2,340	\$90	1,538	\$100
(MN90) - M-13 1,000 FT SHOCK TUBE W/CAP M23	A					1,524	\$90	1,675	\$100
(MY77) - EXPLOSIVE WATER GEL	A			543	\$2	1,075	\$4	532	\$2

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

DATE: FEBRUARY 2010

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

EXPLOSIVES ORDNANCE DISPOSAL (EOD)

PROCUREMENT ITEMS	ID CODE	FY2009		FY2010		FY2011			
		QTY.	COST	QTY.	COST	QTY.	COST		
(YY32) - DISRUPTOR, LIGHT WEIGHT	A			194	\$25				
(YY34) - SHOCK TUBE	A			244,498	\$20	241,837	\$20	239,521	\$20
CITADEL	A			1	\$3,000				
DEMOLITION TOOLS	A			94	\$500				
EOD TRAINING AIDS	A			1	\$420				
HOOK & LINE	A					20	\$102	9	\$50
MINI REMOTE FIRING DEVICE	A			12	\$420	6	\$204	10	\$400
MK 26 MOD 1	A					14	\$248	17	\$300
MK32 MOD 4 X-RAY PROCESSOR	A			6	\$55				
PORTABLE X-RAY SYSTEM (1-2)	A					254	\$1,270	20	\$100
RT 4 N/L (3)	A			3	\$56	225	\$4,387	5	\$99
VEHICLE ACCESS KIT	A					12	\$36	3	\$10
EMERGING REQUIREMENTS (UNIDENTIFIED)	A					1	\$218	1	\$142
TOTALS:				588,554	\$6,236	427,817	\$8,083	480,510	\$3,383

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)
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PROCUREMENT ITEMS	ID CODE	FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST

(1) Unit price for the RT 4N/L was estimated at \$9,703 for the FY10PB. Obtained more current cost estimate from industry for FY11 APOM.

(2) Portable X-Ray FY10 (3011)= \$262,000 plus FY10 OCO \$1,008,000. Total is \$1,270,000

(3) RT 4N/L FY10 (3011) = \$595,000 plus FY10 OCO \$3,792,000. Total is \$4,387,000

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SPARES AND REPAIR PARTS				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$604	\$4,571	\$1,000	\$1,000	\$1,000	\$500	\$500
<p>Description:</p> <p>FY2009 funding totals include -\$4.000M for FY09 OMNIBUS source.</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 FY2010 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 8		PAGE NO: 94		Page 1 of 1				

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

DATE: FEBRUARY 2010

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

SPARES AND REPAIR PARTS

PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
INITIAL SPARES					{\$604}		{\$4,571}		{\$1,000}
MISC. LOW COST INITIAL SPARES	A				\$604		\$4,571		\$1,000
REPLENISHMENT SPARES									
GP BOMBS	A								
TOTALS:					\$604		\$4,571		\$1,000

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MODIFICATIONS				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$1,231	\$1,286	\$1,112	\$1,134	\$1,159	\$1,184	\$1,208
<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 FY2010 funding request reflects estimated costs based on historical funding requirements and projected future requirements.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION
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		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$2,469	\$5,049	\$5,015	\$5,128	\$5,094	\$5,185	\$5,276

Description:
 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.

Projected Test and Training Allocations for Reserve Component Requirements (subject to Total Force demand and priority)

\$M	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
ANG:	\$0.452	\$0.925	\$0.918	\$0.939	\$0.933	\$0.950	\$0.966
Reserve:	\$0.069	\$0.141	\$0.140	\$0.143	\$0.142	\$0.145	\$0.147

Items requested in FY11 BY 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.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION
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PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
ITEMS LESS THAN \$5,000,000, OTHER					
NUCLEAR TRAINER					\$725
(G940) GRENADE HAND, GREEN SMOKE (1)	1330002896851			18,924	\$1,074
(G945) GRENADE HAND, YELLOW SMOKE (1)	1330002896854			16,387	\$1,000
(G955) GRENADE HAND, VIOLET SMOKE (1)	1330002896853			16,902	\$1,000
(GG04) GRN HAND NON-LETHAL MODEL 9590 (2)	1330015031036			1,497	\$46
(KM01) PEPPER SPRAY (2)	1365014385694			12,694	\$140
(KM02) PEPPER SPRAY POCKET (2)	1365014449544			3,267	\$30
(L594) SIMULATOR, GROUND BURST (2)				22,324	\$500
(L601) GRENADE HAND, PRACTICE (2)				28,475	\$500
TOTALS:					\$5,015

Remarks:

Cost information is in thousands of dollars.

(1) Prices provided by the Single Manager for Conventional Munitions.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION		
PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
<p>(2) Purchased through OO-ALC. Prices are last procurement price plus inflation.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (OVERVIEW)
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		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$286,501	\$193,063	\$93,244	\$75,720	\$78,954	\$86,569	\$91,115

Description:
 FY2010 funding totals include \$41.000M of appropriated Overseas Contingency Operations funding.
 FY2011 funding totals include \$20.486M requested for Overseas Contingency Operations.

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.

Flare funding represents minimum procurement quantities to satisfy USAF's yearly training expenditure and shelf life expiration replacements.

Projected Test and Training Allocations for Reserve Component Requirements based on FY2009 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority)

\$M	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
ANG:	\$28.709	\$11.831	\$3.222	\$3.622	\$3.068	\$3.119	\$3.317
Reserve:	\$5.759	\$2.373	\$0.646	\$0.727	\$0.615	\$0.626	\$0.665

FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.

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

Items requested in FY2011 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.

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

DATE: FEBRUARY 2010

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

FLARES (OVERVIEW)

PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
FLARES (OVERVIEW)									
M206 FLARE (L410)	A			1,657,031	\$44,589	529,450	\$15,549	498,450	\$16,317
MJU-7A/B IR FLARE (L463)	A			935,662	\$39,471	512,233	\$23,931	255,210	\$11,567
LUU-19 FLARE (LA29)	A			20,303	\$18,487	20,514	\$18,875	102	\$136
MJU-39/40 FLARE	A			9,038	\$12,972	24,196	\$34,729	15,936	\$29,296
MJU-62/B FLARE (LA36)	A			50,562	\$9,711	44,585	\$8,652		
MJU-64 IR FLARE (LA43)	A			177,522	\$15,148	233,512	\$20,370	100,480	\$8,746
ALA-17B FLARE CARTRIDGE (LY12)	A			27,291	\$15,730	35,924	\$20,923	20,160	\$11,865
ITEMS LESS THAN \$5 MILLION	A				\$130,392		\$50,034		\$15,317
TOTALS:					\$286,500		\$193,063		\$93,244

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$44,589	\$15,549	\$16,317	\$21,915	\$20,535	\$19,766	\$20,864
<p>Description:</p> <p>FY2010 funding totals include \$4.701M of appropriated Overseas Contingency Operations funding. FY2011 funding totals include \$5.958M requested for Overseas Contingency Operations.</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>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		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 (2)	A				1,657,031	\$26.64	{\$44,146}	529,450	\$28.59	{\$15,137}	498,450	\$32.08	{\$15,990}
M206 FLARE (L410)					1,657,031	\$26.64	\$44,146	529,450	\$28.59	\$15,137	498,450	\$32.08	\$15,990
PRODUCTION SUPPORT													
PRODUCTION ENGINEERING							\$436			\$403			\$322
QUALITY ASSURANCE (1)							\$6			\$9			\$5
TOTALS:					1,657,031		\$44,589	529,450		\$15,549	498,450		\$16,317

Remarks:
 Total Cost information is in thousands of dollars.

(1) Quality assurance consists of funding for Army personnel to travel to production facilities.
 (2) FY2011 OCO quantity of 185,723

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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										
FY2009(1)	1,657,031	\$26.64	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Aug-09	Dec-09			
FY2010(2)	529,450	\$28.59	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Mar-10	Nov-10	Yes		
FY2011(2)	498,450	\$32.08	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Mar-11	Nov-11	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY2009 is the basic contract with 4 one year option. Award was split between ARMTEC and KILGORE. (2) FY2010-FY2011 will be options of the FY2009 basic contract. The options will be split between these two vendors.</p>										
P-1 ITEM NO 11			PAGE NO: 104			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$39,471	\$23,931	\$11,567	\$5,583	\$9,863	\$19,295	\$38,682
<p>Description:</p> <p>FY2010 funding totals include \$6.142M of appropriated Overseas Contingency Operations funding. FY2011 funding totals include \$1.792M requested for Overseas Contingency Operations.</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>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2009			FY2010			FY2011		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MJU-7A/B IR FLARE (2)	A				935,662	\$42	(\$39,465}	512,233	\$47	(\$23,927}	255,210	\$45	(\$11,559}
MJU-7A/B IR FLARE					935,662	\$42	\$39,465	512,233	\$47	\$23,927	255,210	\$45	\$11,559
QUALITY ASSURANCE (1)							\$6			\$4			\$8
TOTALS:					935,662		\$39,471	512,233		\$23,931	255,210		\$11,567

Remarks:
Total Cost information is in thousands of dollars.

(1) Quality Assurance consists of funding for Army personnel to travel to production facilities.
(2) FY2011 OCO quantity of 39,564

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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										
FY2009(1)	935,662	\$42	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Aug-09	Jan-10			
FY2010(2)	512,233	\$47	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Mar-10	Jan-11	Yes		
FY2011(3)	255,210	\$45	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR/KILGORE/TOONE, TN	Mar-11	Jan-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY2009 is a new basic contract with at least 4 option years. (2) FY2010 will be an option of the FY2009 basic contract. (3) FY2011 will be an option of the FY2009 basic contract.</p>										
			P-1 ITEM NO 11			PAGE NO: 107				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-64 IR CM FLARE - LA43)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$30,296	\$40,740	\$17,492	\$8,000	\$4,736	\$9,312	\$10,000
<p>Description:</p> <p>FY2010 funding totals include \$8.214M for Overseas Contingency Operations. FY2011 funding totals include \$4.746M for Overseas Contingence Operations.</p> <p>The MJU-64/B (LA43) replaces the M211. It 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 by Ogden ALC from the Navy.</p> <p>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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>FY2010 funding totals include \$8.214M of appropriated Overseas Contingency Operations funding. FY2011 funding totals include \$4.746M requested for Overseas Contingence Operations.</p> <p>The MJU-64/B (LA43) replaces the M211. It is a hermetically sealed aluminum case purged with nitrogen containing a payload of stacked special material</p>								
	P-1 ITEM NO 11		PAGE NO: 108			Page 1 of 2		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: FLARES (MJU-64 IR CM FLARE - LA43)		
Description (continued): 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. This item is procured by Ogden ALC from the Navy. FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom. Representative items requested in FY2011 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.				
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-64 IR CM FLARE - LA43)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-64 IR CM FLARE - LA43 (1)	A			177,522	\$15,148	233,512	\$20,370	100,480	\$8,746
MJU-64 IR CM FLARE - LA43 (1)	A			177,522	\$15,148	233,512	\$20,370	100,480	\$8,746
TOTALS:					\$30,296		\$40,740		\$17,492

Remarks:
 Cost information is in thousands of dollars.

(1) FY2011 OCO quantity of 54,525
 (1) FY11 OCO REQUEST = \$4.746M QUANTITY OF 54525

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-64 IR CM FLARE - LA43)
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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-64 IR CM FLARE - LA43(1)									
FY2009(1)	177,522	\$85	AFMC/OO-ALC	MIPR/FFP W/OPT	NAVY/ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Jun-09	Mar-10		
FY2010(2)	233,512	\$87	AFMC/OO-ALC	MIPR/C/FFP W/OPT	NAVY/UNKNOWN	Mar-10	Mar-11	Yes	
FY2011(3)	100,480	\$87	AFMC/OO-ALC	MIPR/OPT/FFP	NAVY/UNKNOWN	Mar-11	Mar-12	Yes	
MJU-64 IR CM FLARE - LA43(1)									
FY2009(1)	177,522	\$85	AFMC/OO-ALC	MIPR/FFP W/OPT	NAVY/ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Jun-09	Mar-10		
FY2010(2)	233,512	\$87	AFMC/OO-ALC	MIPR/C/FFP W/OPT	NAVY/UNKNOWN	Mar-10	Mar-11	Yes	
FY2011(3)	100,480	\$87	AFMC/OO-ALC	MIPR/OPT/FFP	NAVY/UNKNOWN	Mar-11	Mar-12	Yes	

Remarks:
 Cost information is in actual dollars.

This item will be procured through the Navy in FY2010 unless the Single Manager for Conventional Munitions (SMCA) determines that it can support the DoD Services with procurement responsibilities. A joint-service transition management team assembled during FY2009 to study the issue.

(1) FY2009 procurement was added to a Navy contract because the process to transition procurement responsibilities from the Navy to SMCA did not occur in time for AF funds execution. The Navy contract is a new FY2009 basic with at least 4 option years. The Air Force will continue to utilize this contract vehicle until transition from Navy to SMCA has occurred.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-64 IR CM FLARE - LA43)						
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	
<p>(1) FY2009 procurement was added to a Navy contract because the process to transition procurement responsibilities from the Navy to SMCA did not occur in time for AF funds execution. The Navy contract is a new FY2009 basic with at least 4 option years. The Air Force will continue to utilize this contract vehicle until transition from Navy to SMCA has occurred.</p> <p>(2) FY2010 procurement will be a new contract for one year since the flare is currently in transition to be managed by SMCA starting in 2011.</p> <p>(2) FY2010 procurement will be a new contract for one year since the flare is currently in transition to be managed by SMCA starting in 2011.</p> <p>(3) FY2011 procurement will be a new basic contract with at least 4 option years, and administered by the SMCA.</p> <p>(3) FY2011 procurement will be a new basic contract with at least 4 option years, and administered by the SMCA.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-19 FLARE - LA29)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$18,487	\$18,875	\$136	\$0	\$0	\$0	\$0
<p>Description:</p> <p>FY2011 funding totals include \$0.136M requested for Overseas Contingency Operations.</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 Single Manager for Conventional Munitions (SMCA).</p> <p>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Representative items requested in FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (LUU-19 FLARE - LA29)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
LUU-19A/B FLARE	A			20,303	\$18,487	20,514	\$18,875	102	\$136
TOTALS:				20,303	\$18,487	20,514	\$18,875	102	\$136

Remarks:
 Cost information is in thousands of dollars.

FY2011 OCO Request

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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										
FY2009(1)	20,303	\$911	AFMC/OO-ALC	MIPR/FFP	ARMY/ATK/BRIGHAM, UT	Mar-10	Mar-11	Yes		
FY2010(1)	20,514	\$920	AFMC/OO-ALC	MIPR/FFP	ARMY/ATK/BRIGHAM, UT	Mar-10	Mar-11	Yes		
FY2011(1)	102	\$1,333	AFMC/OO-ALC	MIPR/C/FFP	ARMY/UNKNOWN	Mar-11	Feb-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contracting delays caused FY09 and FY10 to be placed on contract together. FY11 will be a new basic one-year contract.</p>										
			P-1 ITEM NO 11				PAGE NO: 115	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-39/40-ACFT FLARE - LA32/LA33)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$12,973	\$34,729	\$29,296	\$19,367	\$13,000	\$4,000	\$7,258
<p>Description:</p> <p>The MJU-39/B and MJU-40/B are magnesium based kinematic infrared (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.</p> <p>This item is procured through the Ogden Air Logistics Center but is scheduled to transition procurement to SMCA in 2013.</p> <p>Representative items requested in FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2010

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

FLARES (MJU-39/40-ACFT FLARE - LA32/LA33)

PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
FLARES (MJU-39/40-ACFT FLARE)									
MJU-39/B (1)	A			4,615	\$6,486	12,354	\$17,364	7,777	\$14,650
MJU-40/B (1)	A			4,423	\$6,486	11,842	\$17,365	8,159	\$14,646
TOTALS:				9,038	\$12,972	24,196	\$34,729	15,936	\$29,296

Remarks:

Cost information is in thousands of dollars.

(1) FY2009 and FY2010 unit prices changed when the new contract was awarded. FY11 unit price was provided by the vendor.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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	
FLARES (MJU-39/40-ACFT FLARE)										
MJU-39/B										
FY2009(1)	4,615	\$1,405	AFMC/OO-ALC	C/FFP W/OPT	KILGORE FLARES/ TOONE, TN	Nov-09	Apr-10			
FY2010(2)	12,354	\$1,406	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Mar-10	Mar-11	Yes		
FY2011(3)	7,777	\$1,884	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Mar-11	Mar-12	Yes		
MJU-40/B										
FY2009(1)	4,423	\$1,466	AFMC/OO-ALC	C/FFP W/OPT	KILGORE FLARES/ TOONE, TN	Nov-09	Apr-10			
FY2010(2)	11,842	\$1,466	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Mar-10	Mar-11	Yes		
FY2011(3)	8,159	\$1,795	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Mar-11	Mar-12	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY2009 procurement will be a new basic contract with at least 3 option years. Contract award was delayed due to issues related to second source response to bids.</p> <p>(2) FY2010 procurement will be an option of the FY2009 basic contract.</p> <p>(3) FY2011 procurement will be an option of the FY2009 basic contract.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-62/B FLARE - LA36)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$9,711	\$8,652	\$0	\$0	\$0	\$2,000	\$2,000
<p>Description:</p> <p>FY2010 funding totals include \$1.770M of appropriated Overseas Contingency Operations funding.</p> <p>The MJU-62/B Flare is a boron based infrared (IR) countermeasure. It consists of an aluminum case, plastic end cap, felt spacer, safe & initiation device, plastic piston, and the flare pellet. It is dispensed and ignited in flight by a BBU-36/B impulse cartridge.</p> <p>This item is procured through the Ogden Air Logistics Center.</p> <p>Representative items requested in FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-62/B FLARE - LA36)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-62 FLARE - LA36	A			50,562	\$9,711	44,585	\$8,652		
TOTALS:				50,562	\$9,711	44,585	\$8,652		

Remarks:
Cost information is in thousands of dollars.

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
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										
FY2009(1)	50,562	\$192	AFMC/OO-ALC	OPT/FFP	ATKTHIOKOL/BRIGHAM CITY, UT	Jul-09	Mar-10			
FY2010(2)	44,585	\$194	AFMC/OO-ALC	OPT/FFP	ATKTHIOKOL/BRIGHAM CITY, UT	Mar-10	Mar-11	Yes		
Remarks: Cost information is in actual dollars. (1) FY2009 procurement is a basic contract with at least 4 option years. (2) FY2010 procurement will be an option of the FY2009 basic contract.										
			P-1 ITEM NO 11				PAGE NO: 121	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (ALA-17C FLARE - LY12)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$15,730	\$20,923	\$11,865	\$11,449	\$18,943	\$20,991	\$0
<p>Description:</p> <p>FY2010 funding totals include \$7.182M of appropriated Overseas Contingency Operations.</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 FY2011 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 11		PAGE NO: 122		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (ALA-17C FLARE - LY12)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ALA-17C FLARE - LY12	A			27,291	\$15,730	35,924	\$20,923	20,160	\$11,865
TOTALS:				27,291	\$15,730	35,924	\$20,923	20,160	\$11,865

Remarks:
Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (ALA-17C FLARE - LY12)
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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									
FY2009(1)	27,291	\$576	AFMC/OO-ALC	C/FFP W/OPT	KILGORE CORP/TOONE, TN	Nov-09	Oct-10		
FY2010(2)	35,924	\$582	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Mar-10	Apr-11	Yes	
FY2011(3)	20,160	\$589	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Mar-11	Apr-12	Yes	

Remarks:
 Cost information is in actual dollars.

(1) FY2009 procurement is the basic contract with 4 option years.
 (2) FY2010 procurement will be an option of the FY2009 basic contract.
 (3) FY2011 procurement will be an option of the FY2009 basic contract.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$130,392	\$50,486	\$15,317	\$17,406	\$9,048	\$12,103	\$12,159
<p>Description:</p> <p>FY2010 funding totals include \$12.991M of appropriated Overseas Contingency Operations funding. FY2011 funding totals include \$7.854M requested for Overseas Contingency Operations.</p> <p>All listed items on the following P-40A-IL have an FY2011 procurement value of less than \$5,000,000 and are Code A.</p> <p>FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.</p> <p>Items requested in FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
(L119) SIG KIT PRSNL DISTRESS (1,3)	1370015234694			5,027	\$594
(L283) SIGNL,SMOKE&ILLUM MK124 MOD 0 (2,4)	1370011443561			1,356	\$82
(L440) LUU-2C/B AC PARACHUTE FLARE (2,5)	1370015379031			4	\$4
(L461) MJU-10/B FLARE (L461) (2,6)				6,460	\$1,310
(L462) MJU-23 FLARE (2,7)				9,051	\$5,310
(LA15) M-212 (2,8)	1370015343060			5,145	\$500
(LA19) MJU-50 (2,9)	1370014686077			65,902	\$3,933
(LA20) MJU-51/B FLARE (2,10)	1370015442965			3,915	\$488
(LA21) MJU-53/B FLARE (2,11)	1370015031455			2,750	\$154
COMBAT RESCUE AND RECOVERY					\$2,942
TOTALS:					\$15,317

Remarks:
 Cost information is in thousands of dollars.

 (1) Unit price provided by SMCA.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
<p>(2) Unit price based on last procurement plus inflation.</p> <p>(3) FY2011 OCO quantity of 355</p> <p>(4) FY2011 OCO quantity of 843</p> <p>(5) FY2011 OCO quantity of 4</p> <p>(6) FY2011 OCO quantity of 6460</p> <p>(7) FY2011 OCO quantity of 2285</p> <p>(8) FY2011 OCO quantity of 5144</p> <p>(9) FY2011 OCO quantity of 65902</p> <p>(10) FY2011 OCO quantity of 3915</p> <p>(11) FY2011 OCO quantity of 2750</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (OVERVIEW)
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		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$78,720	\$75,455	\$82,319	\$55,899	\$73,280	\$86,931	\$87,727

Description:
 FY2009 funding totals include \$6.800M of appropriated supplemental Overseas Contingency Operations funding.
 FY2010 funding totals include \$14.595M of appropriated supplemental Overseas Contingency Operations funding.
 FY2011 funding totals include \$24.982 requested for Overseas Contingency Operations.

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.

Projected Test and Training Allocations for Reserve Component Requirements based on FY2009 quantities allocated from the ammunition stockpile (subject to Total Force demand and priority)

\$M	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
ANG:	\$0.853	\$0.164	\$0.146	\$0.124	\$0.130	\$0.113	\$0.111
Reserve:	\$0.071	\$0.014	\$0.012	\$0.010	\$0.011	\$0.009	\$0.009

FY2011 OCO request is to replenish inventory used in support of Operations Enduring Freedom and Iraqi Freedom.

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

Items requested in FY2010 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.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
FUZES (OVERVIEW)									
FMU-152/B JOINT PROGRAMMABLE FUZE	A			14,677	\$51,772	15,396	\$54,655	14,308	\$52,591
DSU-33D/B PROXIMITY SENSOR (KY70)	A			5,864	\$6,237	9,404	\$10,081	9,699	\$10,679
ITEMS LESS THAN 5 MILLION DOLLARS	A				\$20,710		\$10,718		\$19,049
TOTALS:					\$78,720		\$75,454		\$82,319

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMMABLE FUZE)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$51,772	\$54,655	\$52,591	\$36,410	\$38,521	\$33,681	\$32,517
<p>Description:</p> <p>FY2009 funding totals include \$3.659M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$7.206M of appropriated supplemental Overseas Contingency Operations funding. FY2011 funding total includes \$15.172M requested for Overseas Contingency Operations.</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 FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMMABLE FUZE)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
HARDWARE									
FMU-152/B FUZE	A			14,677	\$51,772	15,396	\$54,655	14,308	\$52,591
TOTALS:				14,677	\$51,772	15,396	\$54,655	14,308	\$52,591

Remarks:
 Cost information is in thousands of dollars.

 FY2011 OCO quantity of 4127

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMMABLE 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										
FY2009(1-2)	14,677	\$3,527	AFMC/AAC	OPT/FFP	KAMANPRECISION PRODUCTS, INC./ ORLANDO, FL	Jun-09	Jun-10			
FY2010(1-2)	15,396	\$3,550	AFMC/AAC	OPT/FFP	KAMANPRECISION PRODUCTS, INC./ ORLANDO, FL	Jan-10	Jun-11			
FY2011(3)	14,308	\$3,676	AFMC/AAC	C/FFP	UNKNOWN	Oct-10	Jun-12	Yes		
FY2012(3)	8,550	\$3,810	AFMC/AAC	OPT/FFP	UNKNOWN	Oct-11	Jun-13	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>This acquisition was initially competed under a full and open competition for priced production lots 1-5. It also included a Production Price Commitment Curve (PPCC) for the remaining quantities (production lots 6-9). Contractor notified the government that it cannot meet the PPCC for the remaining productions lots (6-9). Upon receipt of this notification, the JPF Program Office (JPO) issued a sources sought synopsis to examine the market for alternate qualified sources of supply, but found that no other source was available without unacceptable delay and substantial duplicative cost.</p> <p>Option 6, FY09 \$, was awarded Jun 09 due to delay in J&A process.</p> <p>The contract buy authority will be reached during Option 7, FY10 \$, requiring a new contract to be awarded.</p>										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMMABLE 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	
<p>(1) Contract has an FY1998 base year with 9 option years. Option 2 was not exercised until FY05.</p> <p>(2) FY2009-2010 will procure lots 6-7.</p> <p>(3) Contract will be a firm fixed price contract using certified cost or pricing data for the remaining quantities of the JPF system.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (DSU-33D/B PROXIMITY SENSOR - KY70)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$6,238	\$10,082	\$10,679	\$7,754	\$7,847	\$7,004	\$7,165
<p>Description:</p> <p>FY2009 funding totals include \$0.472M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$3.505M of appropriated supplemental Overseas Contingency Operations funding. FY2011 funding totals include \$3.015M requested for Overseas Contingency Operations.</p> <p>The DSU-33 Proximity Sensor is a battery operated, RF, Doppler radar proximity sensor. It is used to provide low altitude proximity function to the bomb fuze. The sensor interfaces with FMU-143, FMU-139 and FMU-152 fuzes.</p> <p>The DSU-33D/B (KY70) replaces the DSU-33C/B (GY33).</p> <p>This item will be procured through the Army Single Manager for Conventional Ammunition (SMCA).</p> <p>Representative items requested in FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (DSU-33D/B PROXIMITY SENSOR - KY70)
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PROCUREMENT ITEMS	ID CODE			FY2009		FY2010		FY2011	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
DSU33D/B PROXIMITY SENSOR (1-2)	A			5,864	\$6,237	9,404	\$10,081	9,699	\$10,679
TOTALS:				5,864	\$6,237	9,404	\$10,081	9,699	\$10,679

Remarks:

Cost information is in thousands of dollars.

- (1) Unit price estimates were provided by the Vendor, ATK.
- (2) FY2011 OCO quantity of 13780

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2010			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (DSU-33D/B PROXIMITY SENSOR - KY70)						
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	
DSU33D/B PROXIMITY SENSOR(1)										
FY2009(1)	5,864	\$1,064	AFMC/OO-ALC	OPT/FFP	ATK/ROCKET CENTER/ WV	Mar-09	Nov-09			
FY2010(1)	9,404	\$1,072	AFMC/OO-ALC	OPT/FFP	ATK/ROCKET CENTER/ WV	Mar-10	Nov-10	Yes		
FY2011(1)	9,699	\$1,101	AFMC/OO-ALC	OPT/FFP	ATK/ROCKET CENTER/ WV	Mar-11	Nov-11	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Basic Contract was awarded April 2006 with 5 option years. Options will be used and then procurement responsibilities will transition to SMCA in FY2012.</p>										
			P-1 ITEM NO 12			PAGE NO: 136	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (ITEMS LESS THAN \$5 MILLION)				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$20,710	\$10,718	\$19,049	\$11,735	\$2,575	\$2,575	\$2,575
<p>Description:</p> <p>FY2009 funding totals include \$2.669M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$3.884M of appropriated supplemental Overseas Contingency Operations funding. FY2011 funding totals include \$6.795M requested for Overseas Contingency Operations.</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 FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2010
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
FUZES (LESS THAN \$5M) (6)					
(EB93) FMU-152/B D-2				68	\$75
(EC35) FUZE SET FMU-139 C/B (1)				1,898	\$4,894
(EC54) FMU-143N/B (3)				592	\$2,368
(ED28) BOMB FUZE FMU-143T/B 120 MILSEC (2,4)				986	\$3,202
(ED29) BOMB FUZE FMU-143S/B 60 MILSEC (2,5)				1,182	\$4,813
(ED30) BOMB FUZE FMU-143R/B 30 MILSEC (2)				949	\$3,197
(KY71) DSU-33(D1)/B DUMMY PROX SENSOR (3)				876	\$500
TOTALS:					\$19,049

Remarks:

Cost information is in thousands of dollars.

(1) FY2011 OCO quantity of 1239 . Unit price is the last procurement cost plus inflation.

(2) Unit cost is provided by SMCA. ED29 unit cost is higher than ED28 and ED30 because SMCA has applied a charge for (sled) testing which is a test of the manufacturing process and not of the item design.

(3) Unit cost is an estimate from industry.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: FUZES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
(4) FY2011 OCO quantity of 369 (5) FY2011 OCO quantity of 294 (6) FY2011 OCO quantity of 356					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2010		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS				
		FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
QUANTITY								
COST (in Thousands)		\$11,242	\$27,734	\$22,570	\$7,098	\$29,411	\$29,944	\$32,171
<p>Description:</p> <p>FY2009 funding totals include \$3.100M of appropriated supplemental Overseas Contingency Operations funding. FY2010 funding totals include \$21.637M of appropriated supplemental Overseas Contingency Operations funding. FY2011 funding totals include \$15.507M requested for Overseas Contingency Operations.</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 FY2011 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)

DATE: FEBRUARY 2010

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:
SMALL ARMS

PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
PVS-27 NIGHT VISION SIGHT CLIP- ON (2)				550	\$4,840
M-4 CARBINE	1005012310973			1,987	\$3,775
PAS13DV 3 THERMAL SIGHT HEAVY (2)				300	\$3,600
M107 SNIPER RIFLE (.50-CAL) (1)	1005014692133			160	\$2,032
PSQ-23 STORM MLFR RANGE FINDER (2)				150	\$2,805
M203A2 GRENADE LAUNCHER	1010014958511			999	\$1,187
PAS13DV 2 THERMAL SIGHT MEDIUM (2)				100	\$1,130
IMPROVED PVS-10	5855014108979			18	\$1,129
M240B MACHINE GUN	1005014123129			40	\$345
PVS-17C SIGHT, NIGHT (2)	5855014916967			50	\$335
PVS-17B SIGHT, NIGHT (2)	5855014910140			50	\$225
PEQ-16A AIMING LASER/TACTICAL LIGHT (2)				150	\$171
MP5K PDW (2)				65	\$163

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: SMALL ARMS		
PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
M249 AUTOMATIC RIFLE	1005011277510			37	\$161
EOD SOFT MOUNT (1)	1005014449514			160	\$147
M2 (.50 CAL MACHINE GUN)	1005003229715			8	\$139
M3 TRIPOD (M2 & MK-19) (1)	1005003229716			164	\$124
M-24 SNIPER RIFLE	1005012402136			10	\$66
X4 TELESCOPE	1240014126608			52	\$43
M-4A1 CARBINE	1005013820953			17	\$21
M1187P EOD SHOTGUN	1005013125895			37	\$18
M-9 PISTOL	1005011182640			30	\$11
M122A1 TRIPOD/T&E (M240B) (1)	1005014331617			167	\$86
M11 COMPACT PISTOL (9MM)	1005013368265			11	\$7
MODULAR COMBAT SHOTGUN	1005015244273			11	\$6
M870MCS PISTOL GRIP (2)				52	\$6
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2010	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: SMALL ARMS		
PROCUREMENT ITEMS	NSN			FY2011	
		QTY.	COST	QTY.	COST
TOTALS:					\$22,570
<p>Remarks: Cost information is in thousands of dollars.</p> <p>(1) FY2011 OCO quantity of 150 (2) FY11 OCO REQUEST</p>					
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