

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

**FISCAL YEAR (FY) 2006/FY 2007
BUDGET ESTIMATES**

PROCUREMENT OF AMMUNITION

SUBMITTED TO CONGRESS FEBRUARY 2005

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DEPARTMENT OF THE AIR FORCE
PROCUREMENT OF AMMUNITION ESTIMATES
FOR FISCAL YEARS 2006/2007

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

Bases/Organizations

11 WING - 11th Support Wing
ACC - Air Combat Command

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

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

APPROPRIATION LANGUAGE

PROCUREMENT OF AMMUNITION, AIR FORCE

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$1,031,207,000 to remain available for obligation until September 30, 2008.

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DEPARTMENT OF THE AIR FORCE
FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION, AIR FORCE

DATE: 03 FEB 2005

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS				S E C	
			FY 2006 UNIT COST	FY 2004 QUANTITY	FY 2005 COST	FY 2005 QUANTITY	FY 2006 COST	FY 2006 QUANTITY		
BUDGET ACTIVITY 01: PROCUREMENT OF AMMO, AIR FORCE										
ROCKETS										
1	SMALL ARMS	A			28.8				U	
ROCKETS										
2	ROCKETS	A			64.6		34.4	36.3	U	
CARTRIDGES										
3	CARTRIDGES	A			140.6		133.5	160.5	U	
BOMBS										
4	PRACTICE BOMBS	A			38.6		46.7	14.3	U	
5	GENERAL PURPOSE BOMBS	A			173.2		229.3	240.2	U	
6	SENSOR FUZED WEAPON	A	398,606	320	117.0	314	116.6	302	120.4	U
7	JOINT DIRECT ATTACK MUNITION	A	27,911	20244	424.5	23137	514.8	8000	223.3	U
8	WIND CORRECTED MUNITIONS DISPE	A		3635	71.9	2507	58.4			U
FLARE, IR MJU-7B										
9	CAD/PAD	A			19.7		20.3	21.2	U	
10	EXPLOSIVE ORDINANCE DISPOSAL (A			3.1		2.9	3.0	U	
11	SPARES AND REPAIR PARTS	A			*			4.4	U	
12	INITIAL SPARES	A					4.3		U	
13	SPARES	A			1.0				U	
14	MODIFICATIONS	A			*		.2	.9	U	
15	ITEMS LESS THAN \$5,000,000	A			.9		2.8	3.9	U	

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DEPARTMENT OF THE AIR FORCE
 FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION, AIR FORCE

DATE: 03 FEB 2005

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS				S E C	
			FY 2006 UNIT COST	FY 2004 QUANTITY	FY 2004 COST	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY		FY 2006 COST
	FUZES									
16	FLARES	A			141.9		119.1		143.6	U
17	FUZES	A			25.5		28.1		53.2	U
TOTAL PROCUREMENT OF AMMO, AIR FORCE					1,251.3		1,311.4		1,025.2	
BUDGET ACTIVITY 02: WEAPONS										

	SMALL ARMS									
18	SMALL ARMS	A					10.9		6.0	U
TOTAL WEAPONS							10.9		6.0	
TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE					1,251.3		1,322.3		1,031.2	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (OVERVIEW)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$64,633	\$34,424	\$36,302	\$57,819	\$64,605	\$65,713	\$53,714	\$61,611
<p>Description:</p> <p>1. The Air Force primarily uses rockets to mark target locations for other aircraft during combat and training operations. Rockets constitute the primary target marking munition used by forward air control aircraft, which launch this munition from reusable pods carried on aircraft pylons. The 2.75-inch diameter rocket with folding fins utilizes high explosive, white phosphorous, or target practice warheads, and is fired from either high or low speed aircraft. Three versions of the 2.75-inch rocket motor are in use: MK 4, MK 40 and MK 66.</p> <p>2. Items procured in FY06 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 2		PAGE NO: 1		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
2.75 INCH ROCKET MOTOR (HA07)	A	77,731	\$34,441	15,522	\$11,469	10,382	\$8,706	8,566	\$8,918	
ROCKET MOTOR GTR-18 (YW33)	A	13,543	\$1,884	15,651	\$2,208	52,335	\$8,000	52,009	\$8,100	
2.75 INCH WARHEAD WHITE PHOSPHOROUS (H855)	A	2,002	\$5,300	4,067	\$4,502	6,157	\$6,886	23,582	\$26,651	
2.75 INCH ROCKET FLARE (HA06)	A	9,560	\$10,986	7,773	\$11,520	7,132	\$11,000	6,461	\$10,500	
ITEMS LESS THAN 5 MILLION	A		\$12,022		\$4,725		\$1,710		\$3,650	
TOTALS:			\$64,633		\$34,424		\$36,302		\$57,819	
<p>Remarks: Cost information is in thousands of dollars.</p>										
			P-1 ITEM NO 2				PAGE NO: 2			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET MOTOR - HA07)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$34,441	\$11,469	\$8,706	\$8,918	\$9,314	\$14,547	\$15,794	\$18,272	
<p>Description:</p> <ol style="list-style-type: none"> 1. The 2.75 inch Rocket Motor is a single-stage, solid grained rocket motor used to propel 2.75 inch Illum Warheads (H812), 2.75 inch Rocket Flares (HA06), 2.75 inch White Phosphorous Warheads (H855), and 2.75 inch Signature Practice Warheads (H872) to their targets. The 2.75 inch Rocket is used primarily to mark target locations for other aircraft. 2. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									
	P-1 ITEM NO 2		PAGE NO: 3		Page 1 of 1				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET MOTOR - HA07)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
2.75 ROCKET MOTOR	A	77,731	\$435	\$33,793	15,522	\$724	\$11,238	10,382	\$816	\$8,474	8,566	\$1,014	\$8,686	
PRODUCTION SUPPORT				{\$648}			{\$232}			{\$232}			{\$232}	
PRODUCTION ENGINEERING				\$648			\$232			\$232			\$232	
TOTALS:				\$34,441			\$11,469			\$8,706			\$8,918	
Remarks: Total Cost information is in thousands of dollars.														
				P-1 ITEM NO 2					PAGE NO: 4					
												Page 1 of 1		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET MOTOR - HA07)						
ITEM / 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										
FY2004	77,731	\$435	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, GDOS/BURLINGTON, VT	Mar-04	Sep-05			
FY2005	15,522	\$724	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/UNKNOWN	Mar-05	Sep-06	Yes		
FY2006	10,382	\$816	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-06	Sep-07	Yes		
FY2007	8,566	\$1,014	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-07	Sep-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Competitively awarded five year (1999-2004) fixed price requirements contract to General Dynamics Ordnance Systems (GDOS) in June 1999 (basic year 1999 with one-year options in 2000-2004). Contract established fixed prices for each Contract Line Number (CLN) by calendar year pricing period and production quantity ranges. The FY05 base year contract will have five option years.</p>										
P-1 ITEM NO 2			PAGE NO: 5			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (ROCKET MOTOR GTR-18 - YW33)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$1,884	\$2,208	\$8,000	\$8,100	\$8,400	\$8,400	\$8,510	\$8,520
<p>Description:</p> <ol style="list-style-type: none"> 1. This rocket provides realistic training for pilots to practice evasive maneuvers against Surface-to-Air Missile (SAM) threats. It provides pilots a visual reference simulating an actual SAM launch, while maintaining a safe and realistic environment to hone combat skills. 2. Higher funding beginning in FY06 is required due to increased training expenditures. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 								
	P-1 ITEM NO 2		PAGE NO: 6		Page 1 of 1			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: ROCKETS (ROCKET MOTOR GTR-18 - YW33)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
RKT MTR, GTR-18 (SMOKEY SAM, YW33)	A	13,543	\$138.44	\$1,875	15,651	\$140.69	\$2,202	52,335	\$152.86	\$8,000	52,009	\$155.74	\$8,100	
PRODUCTION SUPPORT														
QUALITY ASSURANCE				\$9			\$6							
TOTALS:				\$1,884			\$2,208			\$8,000			\$8,100	
Remarks: Total Cost information is in thousands of dollars.														
				P-1 ITEM NO 2					PAGE NO: 7					

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (ROCKET MOTOR GTR-18 - YW33)						
ITEM / 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	
RKT MTR, GTR-18 (SMOKEY SAM, YW33)										
FY2004	13,543	\$138.44	AFMC/OO-ALC	SS/FP	NAVSEA SURFACE WARFARE CENTER/INDIAN HEAD, MD	Mar-04	Feb-05			
FY2005	15,651	\$140.69	AFMC/OO-ALC	SS/FP	NAVSEA SURFACE WARFARE CENTER/INDIAN HEAD, MD	Jun-05	Jun-06	Yes		
FY2006	52,335	\$152.86	AFMC/OO-ALC	SS/FP	NAVSEA SURFACE WARFARE CENTER/INDIAN HEAD, MD	Jun-06	Jun-07	Yes		
FY2007	52,009	\$155.74	AFMC/OO-ALC	SS/FP	NAVSEA SURFACE WARFARE CENTER/INDIAN HEAD, MD	Jun-07	Jun-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>The Army's Single Manager for Conventional Ammunition provides funding to the NAVSEA Surface Warfare Center, Indian Head, MD to produce this item.</p>										
			P-1 ITEM NO 2			PAGE NO: 8	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH WARHEAD WHITE PHOSPHOROUS - H855)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$5,300	\$4,502	\$6,886	\$26,651	\$28,152	\$26,804	\$16,395	\$21,657
<p>Description:</p> <ol style="list-style-type: none"> 1. The 2.75 inch White Phosphorous (H855) warhead mates to the 2.75 inch rocket motor (HA07) and deploys a white smoke to mark targets. This smoke marking can be used as a single point reference or an area marker (e.g. marking an area where bombing can go no further north). 2. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 								
	P-1 ITEM NO 2		PAGE NO: 9		Page 1 of 1			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: ROCKETS (2.75 INCH WARHEAD WHITE PHOSPHOROUS - H855)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
2.75 RKT WARHEAD (H855)	A	2,002	\$1,095.00	\$2,192	4,067	\$1,106.91	\$4,502	6,157	\$1,118.36	\$6,886	23,582	\$1,130.13	\$26,651	
FACILITIZATION				\$2,608										
FIRST ARTICLE TESTING (COMPONENT & SYSTEM INTEGRATION)				\$500										
TOTALS:		2,002		\$5,300	4,067		\$4,502	6,157		\$6,886	23,582		\$26,651	
Remarks: Total Cost information is in thousands of dollars.														
				P-1 ITEM NO 2					PAGE NO: 10					

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH WARHEAD WHITE PHOSPHOROUS - H855)						
ITEM / 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 RKT WARHEAD (H855)										
FY2004	2,002	\$1,095.00	AFMC/OO-ALC	MIPR/FFP	ARMY/REDSTONE ARSENAL, AL/HUNTSVILLE, AL	Mar-04	Jun-06			
FY2005	4,067	\$1,106.91	AFMC/OO-ALC	MIPR/FFP	ARMY/REDSTONE ARSENAL, AL/HUNTSVILLE, AL	Mar-05	Aug-07	Yes		
FY2006	6,157	\$1,118.36	AFMC/OO-ALC	MIPR/FFP	ARMY/REDSTONE ARSENAL, AL/HUNTSVILLE, AL	Mar-06	Mar-08	Yes		
FY2007	23,582	\$1,130.13	AFMC/OO-ALC	MIPR/FFP	ARMY/REDSTONE ARSENAL, AL/HUNTSVILLE, AL	Mar-07	Mar-09	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 2			PAGE NO: 11	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET FLARE - HA06)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$10,986	\$11,520	\$11,000	\$10,500	\$10,300	\$6,300	\$3,280	\$2,360	
<p>Description:</p> <ol style="list-style-type: none"> 1. The 2.75 inch rocket flare (HA06), used with the 2.75 inch rocket motor (HA07), provides aircraft with target illumination capability from a safe standoff distance in a hostile environment. The 2.75 inch rocket flare (HA06) consists of an ignition system, flare main parachute, drogue parachute assembly, and an integral fuze and delay assembly. Enclosed in an aluminum case, the fuze and candle igniter arming are actuated by rocket motor acceleration. The candle, when actuated, is suspended from the main chute. This warhead supports Forward Air Control operations. 2. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									
	P-1 ITEM NO 2		PAGE NO: 12		Page 1 of 1				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET FLARE - HA06)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
2.75 ROCKET FLARE IR	A	9,560	\$1,141	\$10,906	7,773	\$1,471	\$11,438	7,132	\$1,531	\$10,919	6,461	\$1,613	\$10,418	
PRODUCTION SUPPORT				{\$80}			{\$82}			{\$82}			{\$82}	
PRODUCTION ENGINEERING				\$80			\$82			\$82			\$82	
TOTALS:				\$10,986			\$11,520			\$11,000			\$10,500	
Remarks: Total Cost information is in thousands of dollars.														
				P-1 ITEM NO 2					PAGE NO: 13					

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET FLARE - HA06)						
ITEM / 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 FLARE IR										
FY2004	9,560	\$1,141	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/OSC, GDOS/BURLINGTON, VT	Mar-04	Sep-05			
FY2005	7,773	\$1,471	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/UNKNOWN	Mar-05	Sep-06	Yes		
FY2006	7,132	\$1,531	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-06	Sep-07	Yes		
FY2007	6,461	\$1,613	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-07	Sep-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Competitively awarded five year (1999-2004) fixed price requirements contract to General Dynamics Ordnance Systems (GDOS) in June 1999 (basic year 1999 with one-year options in 2000-2004). Contract established fixed prices for each Contract Line Number (CLN) by calendar year pricing period and production quantity ranges. The FY05 base year contract will have five option years.</p>										
P-1 ITEM NO 2			PAGE NO: 14			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (ITEMS LESS THAN \$5 MILLION)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$12,022	\$4,725	\$1,710	\$3,649	\$8,439	\$9,662	\$9,735	\$10,802	
<p>Description:</p> <ol style="list-style-type: none"> 1. All items have an annual procurement value of less than \$5,000,000 and are Code A. 2. These items are procured through the Single Manager for Conventional Ammunition (SMCA). 3. Items procured in FY06 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-1 ITEM NO 2		PAGE NO: 15		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2005
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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	FY2006		FY2007	
		QTY.	COST	QTY.	COST
2.75 INCH SIGNATURE (H872)		12,035	\$1,510	11,378	\$1,550
INERT ROCKET MOTOR (HY18)		585	\$200	289	\$100
2.75 ILLIUM (H812)				1,436	\$2,000
TOTALS:			\$1,710		\$3,649

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 16	Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST <small>(in Thousands)</small>	\$140,572	\$133,502	\$160,530	\$160,190	\$175,508	\$165,507	\$176,140	\$191,739	
<p>Description:</p> <ol style="list-style-type: none"> 1. 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). 2. Representative items requested in FY06 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 3		PAGE NO: 17		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
20MM TP PGU-27 (AA24)	A	3,021,550	\$18,593	2,355,345	\$14,503	1,136,239	\$6,293	2,422,555	\$13,609
30MM PGU-15/B (B116)	A	3,866,390	\$54,000	3,469,765	\$39,231	5,678,888	\$83,428	5,247,574	\$78,635
30MM HEI PGU-13/B (B104)	A			45,425	\$2,163	212,710	\$9,799	214,806	\$10,081
RR-188 TRAINING CHAFF (3W37)	A	5,252,016	\$13,025	3,319,875	\$10,690	1,993,865	\$6,500	1,975,680	\$6,500
ITEMS LESS THAN 5 MILLION DOLLARS	A		\$54,954		\$66,915		\$54,510		\$51,365
TOTALS:			\$140,572		\$133,502		\$160,530		\$160,190

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO 3		PAGE NO: 18	Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$18,593	\$14,503	\$6,293	\$13,609	\$14,500	\$17,000	\$20,285	\$21,103	
<p>Description:</p> <ol style="list-style-type: none"> 1. The 20 MM target practice (TP) round is used for air-to-air and air-to-ground training in the M61 aircraft gun on F-15 and F-16 aircraft. The Air Force procures various links, linking methods, and mixtures of target practice and target practice tracer ammunition depending on the specific requirement of the system and the training program. The cartridge is electrically primed and has no fuze. The 20MM projectile is a solid slug sized to match the ballistics of the 20MM combat round. The 20MM cartridge is the primary ammunition used in aircraft gun systems by the Air Force and Navy. The Air Force procures the PGU-27 TP round to provide a training capability to complement the PGU-28 high explosive incendiary combat round and ensure training is consistent with combat operations. 2. This item is procured through the Army Single Manager for Conventional Ammunition (SMCA). 3. Representative items requested in FY06 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. 									
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)								
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
20MM TP	A	637,448	\$6.23	{ \$3,968 }									
BOX METAL M548		637,448	\$6.00	\$3,825									
LOAD, ASSEMBLE, PACK		4,796	\$23.46	\$113									
PALLET MK3-0		233	\$133.32	\$31									
20MM TP	A	270,333	\$6.22	{ \$1,681 }									
BOX METAL M548		270,333	\$6.00	\$1,622									
LOAD, ASSEMBLE, PACK		1,964	\$23.46	\$46									
PALLET MK3-0		95	\$133.32	\$13									
20MM TP	A	2,075,980	\$6.21	{ \$12,901 }	2,355,345	\$6.14	{ \$14,467 }	1,136,239	\$5.50	{ \$6,245 }	2,422,555	\$5.60	{ \$13,560 }
BOX METAL M548		2,075,980	\$6.00	\$12,456	2,355,345	\$6.02	\$14,179	1,136,329	\$5.36	\$6,091	2,422,555	\$5.46	\$13,227
LOAD, ASSEMBLE, PACK		14,862	\$23.46	\$349	9,693	\$24.57	\$238	4,695	\$26.66	\$125	9,945	\$27.16	\$270
PALLET MK3-0		725	\$133.32	\$97	473	\$104.67	\$50	230	\$126.00	\$29	486	\$128.38	\$62
PRODUCTION SUPPORT				{ \$43 }			{ \$36 }			{ \$48 }			{ \$49 }

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
QUALITY ASSURANCE				\$18			\$11			\$23			\$24	
NAVY ENGINEERING SUPPORT				\$25			\$25			\$25			\$25	
TOTALS:				\$18,593			\$14,503			\$6,293			\$13,609	
Remarks: Total Cost information is in thousands of dollars.														
				P-1 ITEM NO 3					PAGE NO: 21					
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)						
ITEM / 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										
FY2004(1)	637,448	\$6.23	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, CANADIAN COMMERCIAL CORPORATION/OTTAWA ONTARIO, CA	Jun-04	Jun-05			
FY2004(1)	270,333	\$6.22	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, GDOTS/MARION, IL	Jun-04	Apr-05			
FY2004(2)	2,075,980	\$6.21	AFMC/OO-ALC	MIPR/FFP W/OPT	ARMY/UNKNOWN	Mar-05	Jan-06	Yes		
FY2005(2)	2,355,345	\$6.14	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-05	Mar-06	Yes		
FY2006(3)	1,136,239	\$5.50	AFMC/OO-ALC	MIPR/FFP W/OPT	ARMY/UNKNOWN	Mar-06	Mar-07	Yes		
FY2007(3)	2,422,555	\$5.60	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-07	Mar-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has a FY03 base year. The one option year was not enough to cover the complete FY04 procurement. (2) Contract has a FY04 base year with one option for FY05. (3) Contract will have an option for FY07.</p>										
			P-1 ITEM NO 3			PAGE NO: 22				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST <small>(in Thousands)</small>	\$54,000	\$39,231	\$83,428	\$78,635	\$78,599	\$62,026	\$59,051	\$53,518	
<p>Description:</p> <ol style="list-style-type: none"> 1. The 30MM Target Practice (TP) cartridge is a solid, inert projectile used to train aircrew in the use of the GAU-8/A cannon on the A-10 aircraft and the PGU-5/A 30MM gun pod on the F-16 aircraft. The cartridge is mechanically primed and has no fuze, while the projectile is a solid slug designed to match the ballistics of high explosive incendiary and armor piercing incendiary cartridges. 2. FY05 funding decreased by \$15,530,000 as part of a \$20,000,000 mark against Cartridges in the FY05 Appropriations Bill. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 4. Representative items requested in FY06 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. 									
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)								
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
30MM TP	A	668,500	\$13.99	{\$9,354}									
LOAD,ASSEMBLE,PACK		668,500	\$12.59	\$8,416									
CONTAINER CNU-332E		1,618	\$164.00	\$265									
TUBE AND STRAP ASSEMBLY		1,618	\$415.55	\$672									
30MM TP	A	378,883	\$13.78	{\$5,222}									
LOAD,ASSEMBLE,PACK		378,883	\$11.65	\$4,414									
CONTAINER CNU-332E		1,429	\$164.00	\$234									
TUBE AND STRAP ASSEMBLY		1,429	\$401.67	\$574									
30MM TP	A	2,819,007	\$13.85	{\$39,043}	3,469,765	\$11.17	{\$38,770}	5,678,888	\$14.61	{\$82,975}	5,247,574	\$14.90	{\$78,181}
LOAD,ASSEMBLE,PACK		2,819,007	\$11.78	\$33,208	3,469,765	\$10.35	\$35,924	5,678,888	\$13.74	\$78,051	5,247,574	\$14.00	\$73,483
CONTAINER CNU-332E		10,315	\$164.00	\$1,692	6,246	\$96.85	\$605	10,224	\$110.25	\$1,127	9,573	\$112.33	\$1,075
TUBE AND STRAP ASSEMBLY		10,315	\$401.67	\$4,143	6,246	\$358.81	\$2,241	10,224	\$371.39	\$3,797	9,573	\$378.39	\$3,622
PRODUCTION SUPPORT				{\$381}			{\$461}			{\$453}			{\$454}

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
QUALITY ASSURANCE				\$31			\$16			\$53			\$54	
ACCEPTANCE TESTING (1)				\$350			\$445			\$400			\$400	
TOTALS:				\$54,000			\$39,231			\$83,428			\$78,635	
<p>Remarks: Total Cost information is in thousands of dollars. (1) Acceptance testing is a new requirement beginning in FY04.</p>														
				P-1 ITEM NO 3					PAGE NO: 25					
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)						
ITEM / 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										
FY2004(1)	668,500	\$13.99	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ALLIANT TECH SYS, INC/PLYMOUTH,, MN	Jul-04	Mar-05			
FY2004(1)	378,883	\$13.78	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/GENERAL DYNAMICS ORDINANCE TACTICAL SYSTEMS (GDOTS),/MARION, IL	Sep-04	Jun-05			
FY2004(1-2)	2,819,007	\$13.85	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/UNKNOWN	Mar-05	Jul-05	Yes		
FY2005(3)	3,469,765	\$11.17	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/UNKNOWN	Mar-05	Jan-06	Yes		
FY2006	5,678,888	\$14.61	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/UNKNOWN	Mar-06	Jan-07	Yes		
FY2007	5,247,574	\$14.90	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/UNKNOWN	Mar-07	Jan-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract is a split award, FY03 base year with options for FY04. (2) Remaining FY04 funding will be awarded in March 05. Actual split is unknown at this time. (3) The FY05 appropriation will be competitively bid within the National Technology and Industrial Base (NTIB). The Air Force is transitioning from the current concept of using two different Technical Data Packages (TDP) to requiring all manufacturers to produce from a single TDP.</p>										
			P-1 ITEM NO 3			PAGE NO: 26				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30MM HEI PGU-13/B, B104)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$0	\$2,163	\$9,799	\$10,081	\$13,543	\$14,316	\$17,512	\$18,575	
<p>Description:</p> <ol style="list-style-type: none"> 1. 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 and the PGU-5/A 30MM gun pod on F-16 aircraft. This round contains an explosive material that is used against light armor and personnel. 2. Increased funding is necessary due to increased combat requirements, and expiring shelf-life of much of the current inventory. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 4. Representative items requested in FY06 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. 									
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)

DATE: FEBRUARY 2005

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:
CARTRIDGES (30MM HEI PGU-13/B, B104)

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
30MM HEI PGU-13/B	A				45,425	\$47.08	(\$2,138)	212,710	\$45.90	(\$9,764)	214,806	\$46.77	(\$10,046)
LOAD, ASSEMBLE, PACK (LAP)					45,425	\$46.16	\$2,097	212,710	\$44.65	\$9,497	214,806	\$45.49	\$9,771
CONTAINER CNU-332E					71	\$96.85	\$7	372	\$110.25	\$41	369	\$112.33	\$41
TUBE AND STRAP ASSEMBLY F/30MM					71	\$358.81	\$25	372	\$371.39	\$138	369	\$378.39	\$140
COMP A-4 (LB)								22,559	\$3.54	\$80	22,399	\$3.61	\$81
PRODUCTION SUPPORT													
QUALITY ASSURANCE							\$6			\$7			\$7
ACCEPTANCE TESTING							\$19			\$28			\$28
TOTALS:							\$2,163			\$9,799			\$10,081

Remarks:

Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30MM HEI PGU-13/B, B104)						
ITEM / 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 HEI PGU-13/B										
FY2005(1)	45,425	\$47.08	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/UNKNOWN	Mar-05	Nov-05	Yes		
FY2006	212,710	\$45.90	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-06	Nov-06	Yes		
FY2007	214,806	\$46.77	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-07	Nov-07	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract will have an FY05 base year with options for FY06 and FY07.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (RR-188 CHAFF, 3W37)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$13,025	\$10,690	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$14,273
<p>Description:</p> <ol style="list-style-type: none"> 1. The RR-188 chaff cartridge contains a payload of chaff that is dispensed during flight to meet aircrew training requirements. The functional characteristics are similar to RR-170 and RR-180 chaff countermeasures cartridges used in combat situations, however, the use of RR-170 and RR-180 chaff for training is severely limited by Federal Aviation Administration (FAA) regulations due to interference with air traffic control radar. The RR-188 provides the necessary alternative for realistic combat aircrew training since it does not interfere with air traffic control radar. 2. Like the combat chaff cartridges, the RR-188 fits into a multiple cartridge magazine (MJU-11 or MJU-15) used in any of the ALE-40 series flare/chaff dispensing systems on several types of aircraft. The chaff cartridge contains no explosive or incendiary components when the impulse cartridge is not installed. 3. This item is procured through the Navy. All prices are provided by the Navy. 4. Representative item requested in FY06 is 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. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (RR-188 CHAFF, 3W37)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
RR-188 CHAFF	A	4,170,134	\$13,025	3,319,875	\$10,690	1,993,865	\$6,500	1,975,680	\$6,500
TOTALS:			\$13,025		\$10,690		\$6,500		\$6,500

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (RR-188 CHAFF, 3W37)						
ITEM / 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	
RR-188 CHAFF										
FY2004(1)	4,170,134	\$3.12	AFMC/OO-ALC	MIPR/OPT/FP	NAVY/ARMTEC/LILLINGTON, NC	Mar-04	Feb-05			
FY2005(1)	3,319,875	\$3.22	AFMC/OO-ALC	MIPR/OPT/FP	NAVY/ARMTEC/LILLINGTON, NC	Mar-05	Feb-06	Yes		
FY2006(1)	1,993,865	\$3.26	AFMC/OO-ALC	MIPR/OPT/FP	NAVY/ARMTEC/LILLINGTON, NC	Mar-06	Feb-07	Yes		
FY2007(2)	1,975,680	\$3.29	AFMC/OO-ALC	MIPR/FP W/OPT	NAVY/ARMTEC/LILLINGTON, NC	Mar-07	Feb-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) The contract has an FY03 base year with options for FY04 through FY06. (2) A new contract will be awarded in FY07 with outyear options.</p>										
			P-1 ITEM NO 3			PAGE NO: 32				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$54,954	\$66,915	\$54,510	\$51,365	\$62,366	\$65,665	\$72,792	\$84,270
<p>Description:</p> <ol style="list-style-type: none"> 1. All items have an annual procurement of less than \$5,000,000 and are Code A. 2. Items requested in FY06 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 equipment needed to support current Air Force mission requirements. 								
	P-1 ITEM NO 3		PAGE NO: 33		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
CARTRIDGES (ITEMS LESS THAN \$5 MILLION)					
5.56MM BALL M193 (A071)		3,833,760	\$997	9,955,680	\$2,489
5.56MM BLANK (A080)		5,424,120	\$651	5,248,560	\$630
5.56MM PRAC SINGLE ROUND (A065)		1,087,200	\$370	823,200	\$280
5.56MM AP/TR M995/M856 4-1 (AA02)		45,000	\$50	44,000	\$50
5.56MM NATO BALL CLIPPED (A059)		5,957,280	\$1,430	5,799,360	\$1,450
5.56MM 4-1 TRACER (SAW) (A064)		1,894,400	\$720	1,710,400	\$650
5.56MM FRANG (AA40)		17,887,480	\$4,830	17,838,280	\$4,995
5.56MM SAW (A062)		3,025,600	\$1,150	4,209,600	\$1,600
5.56MM LINKED FRANGIBLE (AA85)		3,202,200	\$2,113	3,220,000	\$2,157
5.56MM SAW BLANK (A075)		3,212,800	\$900	3,177,600	\$890
6 MM BLANK (AA32)		2,350,000	\$47		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
7.62MM SP BALL M118 (AA11)		631,120	\$385	652,280	\$385
7.62MM 4/1 (A131)		2,777,600	\$1,500	2,181,600	\$1,200
7.62MM BALL DIM TRACER (A257)		2,065,570	\$930	2,125,500	\$999
7.62MM NATO SPECIAL BALL (A136)		157,320	\$74	318,320	\$153
7.62MM BLANK M82 LNKD (A111)				277,600	\$100
7.62MM BALL M80 LINKED/M13 (A143)		4,476,000	\$2,462	4,394,400	\$2,461
7.62MM LINKED (A164)		8,771	\$5	1,694,500	\$1,000
7.62MM AP 4-1 M993 (AA04)		1,610,400	\$3,366		
7.62MM M80, 4-1 (A165)		8,032,500	\$4,900	4,677,000	\$2,900
9MM BALL (A363)		4,544,000	\$500	4,545,000	\$500
9MM BALL FRANGIBLE (AA16)		8,823,000	\$1,500	8,823,000	\$1,500
12 GAUGE DUMMY (AA55)		2,750	\$2	2,750	\$2

	P-1 ITEM NO 3		PAGE NO: 35	Page 2 of 6
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
12 GAUGE N-LETHAL CROWD M1013 (AA52)		9,100	\$27	9,100	\$27
12 GAUGE #00 BUCKSHOT (A011)		66,560	\$24	96,960	\$35
12 GAUGE BIRDSCARE (AY04)		15,500	\$12	15,000	\$12
12 GAUGE N-LETH PT-CONT M1012 (AA51)		10,660	\$27	10,660	\$27
12 GAUGE FRANGIBLE (AA82)		222,000	\$100	222,000	\$100
15MM BANGER (LA13)		74,150	\$23	71,850	\$23
15MM SCREAMER (LA12)		74,150	\$23	71,850	\$23
CTG, 20MM PGU-28/B SEMI-AP HEI (AA22)		145,125	\$2,888	156,065	\$3,229
22 CAL MATCHGRADE (A093)		318,400	\$45	330,800	\$50
40MM CARTRIDGE PRACTICE M (B576)		140,000	\$2,206	175,000	\$2,746
40MM TP M918 LINKED F/MK19 (B584)		9,781	\$200	11,530	\$240
40MM FXD MULTI-PROJECTILE (B534)		2,392	\$69	2,431	\$71

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
40MM CROWD DISPERSAL GRENADE (BA13)		4,824	\$20	4,773	\$20
40MM CARTRIDGE PRACTICE (B519)		289,174	\$1,600	284,192	\$1,601
.45 CAL BALL WAD (A482)		34,000	\$37	25,500	\$35
.45 CAL BALL M1911 (A475)				142,000	\$40
.45 CAL BALL (MATCH GRADE) (A483)		100,000	\$52	62,000	\$58
.50 CAL BALL/TCR LKD M2/M9 (A557)		51,400	\$100	50,200	\$100
.50 CAL BALL LINK (A555)				485,400	\$1,000
.50 CAL BALL BLANK (A598)		26,600	\$23	16,400	\$16
.50 CAL API (A576)		1,184,092	\$2,759	1,129,600	\$2,700
75MM BLANK CTG (C025)		71	\$4	52	\$3
81MM RP (C870)		208	\$130	208	\$130
81MM HE (C868)		1,093	\$656	1,090	\$654

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
81MM CARTRIDGE SMOKE M853A1 (C871)		615	\$359		
BBU-36 IMPULSE CARTRIDGE (MG11)		613,000	\$950	721,240	\$1,132
BBU-48 IMPULSE CARTRIDGE (SS27)		608,695	\$4,900	512,431	\$4,171
CCU-41 IMPULSE CARTRIDGE (MF60)		21,407	\$130	653	\$4
BBU-63 (SS44)		1,285	\$298	1,285	\$303
CART, IMP MK107 (M943)		1,011	\$101	990	\$100
SIGNAL MK-4 MOD 3 (F562)		114,000	\$455	252,500	\$1,030
XM1006 (40MMNL) (BA06)		4,760	\$150	4,711	\$150
RR-180 CHAFF (SY16)		677,731	\$4,900		
BBU-35 IMP CART		1,021,798	\$1,492	1,210,490	\$1,800
7.62MM BALL TRACER 9/1 (A168)		1,236,549	\$873	6,958,743	\$3,347
TOTALS:			\$54,510		\$51,365
Remarks:					
	P-1 ITEM NO 3		PAGE NO: 38		Page 5 of 6

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
Cost information is in thousands of dollars.					
	P-1 ITEM NO 3		PAGE NO: 39		Page 6 of 6

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (OVERVIEW)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$38,606	\$46,737	\$14,278	\$14,818	\$25,368	\$58,739	\$57,184	\$61,255	
<p>Description:</p> <ol style="list-style-type: none"> 1. Items in this category consist of non-explosive training shapes used to provide combat air forces with aircrew weapons delivery training. They simulate the drop trajectory of explosives loaded bombs without the explosives. 2. Representative items requested in FY06 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 4		PAGE NO: 40		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK82 INERT/BDU-50 (F013)	A	20,758	\$15,584	36,319	\$23,194	19,793	\$14,278	20,166	\$14,818
ITEMS LESS THAN \$5M	A		\$23,022		\$23,543				
TOTALS:			\$38,606		\$46,737		\$14,278		\$14,818

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO 4		PAGE NO: 41	Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$15,584	\$23,194	\$14,278	\$14,818	\$14,699	\$28,276	\$28,737	\$30,198	
<p>Description:</p> <ol style="list-style-type: none"> 1. The BDU-50 is a 500 pound, 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. 2. Items requested in FY06 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. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									
	P-1 ITEM NO 4		PAGE NO: 42		Page 1 of 1				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MK-82 INERT/BDU-50	A	20,758	\$741.35	(\$15,389)	36,319	\$634.23	(\$23,035)	19,793	\$713.58	(\$14,124)	20,166	\$727.05	(\$14,662)
BOMB BODY BDU-50 (1)		21,380	\$614.35	\$13,135	37,410	\$491.45	\$18,385	20,387	\$568.89	\$11,598	20,770	\$579.62	\$12,039
LOAD ASSEMBLE AND PACK (LAP)		20,758	\$65.82	\$1,366	36,319	\$72.73	\$2,641	19,793	\$74.55	\$1,476	20,166	\$75.96	\$1,532
PALLET INSPECTION, MHU 149/E		4,021	\$43.81	\$176	6,174	\$114.37	\$706	3,367	\$83.80	\$282	3,432	\$85.58	\$294
SUSP LUG MS3314		42,365	\$16.80	\$712	76,270	\$17.07	\$1,302	41,566	\$18.48	\$768	42,349	\$18.83	\$797
PRODUCTION SUPPORT													
QUALITY ASSURANCE (2)				\$2			\$3			\$7			\$6
NAVY ENGINEERING SUPPORT				\$193			\$156			\$147			\$150
TOTALS:				\$15,584			\$23,194			\$14,278			\$14,818

Remarks:
 Total Cost information is in thousands of dollars.

(1) Three percent more bomb bodies and lugs are procured for defects.
 (2) Quality assurance costs consist of funding SMCA personnel for travel to production facilities.

	P-1 ITEM NO 4	PAGE NO: 43	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)						
ITEM / 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	
MK-82 INERT/BDU-50										
FY2004(1-2)	20,758	\$741.35	AFMC/OO-ALC	MIPR/SS/FP W/OPT	ARMY/ARMY/JMC MCAAP/MCALESTER, OK	Jan-04	Aug-05			
FY2005(1-2)	36,319	\$634.23	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/JMC MCAAP/MCALESTER, OK	Feb-05	Sep-06	Yes		
FY2006(3)	19,793	\$713.58	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/ARMY/JMC UNKNOWN	Jan-06	Sep-07	Yes		
FY2007(3)	20,166	\$727.05	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMY/JMC UNKNOWN	Jan-07	Sep-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) 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>(2) Contract has an FY04 base year with one option year.</p> <p>(3) FY06 contract will be competitive with options years.</p>										
			P-1 ITEM NO 4			PAGE NO: 44				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (ITEMS LESS THAN \$5 MILLION)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$23,022	\$23,543	\$0	\$0	\$119	\$30,463	\$28,447	\$31,057
<p>Description:</p> <p>1. 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 (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (OVERVIEW)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST <small>(in Thousands)</small>	\$173,175	\$229,300	\$240,231	\$231,580	\$238,382	\$251,671	\$254,892	\$216,096	
<p>Description:</p> <ol style="list-style-type: none"> 1. 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. 2. Items requested in FY06 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 5		PAGE NO: 46		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK-84 2000 LB GP BOMB (F275)	A	6,940	\$40,761	12,376	\$70,987	13,684	\$72,845	14,505	\$78,820
BLU-109/B PENETRATOR (F140)	A	1,513	\$19,530	2,793	\$37,088	2,748	\$32,618	3,517	\$42,572
BLU-110 1000 LB GP BOMB (EB28)	A	695	\$5,203	717	\$5,300	883	\$6,000	983	\$6,682
BLU-122 BOMB	A			71	\$7,297	140	\$11,913	139	\$11,913
GBU-28C/B KIT	A			76	\$12,303	137	\$20,087	134	\$20,087
MAU-169H/B PAVEWAY II GCU (EA65)	A	12,101	\$67,725	7,592	\$57,409	6,602	\$48,944	3,669	\$27,518
MXU-650 FIN ASSEMBLY	A	11,590	\$28,777	5,986	\$26,331	6,131	\$27,293	2,822	\$12,714
MXU-651 FIN ASSEMBLY	A	552	\$2,817	1,213	\$5,980	595	\$3,050	1,069	\$5,700
ITEMS LESS THAN 5 MILLION GP BOMBS	A		\$8,362		\$6,605		\$17,481		\$25,574
TOTALS:			\$173,175		\$229,300		\$240,231		\$231,580

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB - F275)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$40,761	\$70,987	\$72,845	\$78,820	\$94,948	\$66,332	\$48,441	\$42,325	
<p>Description:</p> <ol style="list-style-type: none"> 1. The MK-84 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 MK-84 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects. 2. Items requested in FY06 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. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)

DATE: FEBRUARY 2005

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:
GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB - F275)

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MK-84 2000 LB GP BOMB	A	6,940	\$5,835	{\$40,493}	12,378	\$5,711	{\$70,686}	13,684	\$5,306	{\$72,610}	14,505	\$5,408	{\$78,443}
LOAD ASSEMBLE & PACK		6,940	\$1,722	\$11,954	12,917	\$1,755	\$22,667	13,684	\$1,180	\$16,150	14,505	\$1,202	\$17,442
BOMB BODY MK84-4 (1)		7,149	\$2,029	\$14,509	12,763	\$1,654	\$21,105	14,095	\$2,005	\$28,267	14,971	\$2,043	\$30,590
LUG SUSP MK3 (1)		14,296	\$35	\$496	25,529	\$36	\$918	28,191	\$39	\$1,097	29,880	\$40	\$1,185
PALLET MK79		4,233	\$61	\$258	6,196	\$157	\$973	6,792	\$157	\$1,066	7,253	\$157	\$1,139
TNT TYPE 1 FLAKE (LB)		4,773,454	\$2	\$11,074	9,176,981	\$2	\$21,474	10,511,490	\$2	\$22,810	12,300,587	\$2	\$27,184
ALUMINUM POWDER		1,314,702	\$1	\$1,538	2,329,805	\$1	\$2,749	2,584,585	\$1	\$2,636	274,854	\$1	\$283
PALLET INSPECTION MK79		4,233	\$157	\$665	6,284	\$127	\$800	6,945	\$84	\$583	7,252	\$86	\$621
PRODUCTION SUPPORT				{\$5}			{\$2}			{\$7}			{\$7}
QUALITY ASSURANCE (2)				\$5			\$2			\$7			\$7
NAVY ENGINEERING SUPPORT				\$263			\$299			\$228			\$370
TOTALS:				\$40,761			\$70,987			\$72,845			\$78,820

Remarks:
Total Cost information is in thousands of dollars.

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB - F275)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>(1) Three percent more bomb bodies and lugs are procured to account for defects.</p> <p>(2) Quality assurance consists of funding for Army personnel to travel to production facilities.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB - F275)						
ITEM / 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	
MK-84 2000 LB GP BOMB										
FY2004(1)	6,940	\$5,835	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Jan-04	Apr-05			
FY2005(1)	12,378	\$5,711	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Feb-05	Dec-06	Yes		
FY2006(2)	13,684	\$5,306	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Jan-06	Sep-07	Yes		
FY2007(2)	14,505	\$5,408	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Jan-07	Sep-08	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 FY03 base year with two option years. (2) Contract will have an FY06 base year with four option years.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$19,530	\$37,088	\$32,618	\$42,572	\$60,664	\$70,304	\$75,505	\$20,519
<p>Description:</p> <ol style="list-style-type: none"> 1. 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 and Joint Direct Attack Munition (JDAM) weapon systems. 2. The Air Force has aligned BLU-109 procurements to keep pace with JDAM and Laser Guided Bomb (LGB) kit production. 3. Items requested in FY06 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. 4. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB)								
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BLU-109	A	1,513	\$12,899	{\$19,517}	2,793	\$13,262	{\$37,041}	2,125	\$15,330	{\$32,577}	2,744	\$15,497	{\$42,522}
LOAD ASSEMBLE & PACK		1,513	\$2,432	\$3,680	2,793	\$2,817	\$7,868	2,126	\$2,150	\$4,572	2,744	\$2,150	\$5,901
BOMB BODY BLU-109 (1)		1,558	\$8,717	\$13,581	2,822	\$8,706	\$24,568	2,188	\$9,021	\$19,738	2,826	\$9,183	\$25,951
CNU 417 CONTAINER		756	\$891	\$674	1,413	\$963	\$1,361	1,064	\$1,733	\$1,844	1,372	\$1,733	\$2,378
ALUMINUM POWDER (LB)		167,201	\$1	\$195	307,300	\$1	\$364						
TNT TYPE I FLAKE (LB)		602,750	\$2	\$1,387	1,228,920	\$2	\$2,879						
CXM-7								943,500	\$7	\$6,424	1,218,050	\$7	\$8,293
PRODUCTION SUPPORT				{\$6}			{\$6}			{\$5}			{\$5}
QUALITY ASSURANCE (2)				\$6			\$6			\$5			\$5
PRODUCTION ENGINEERING				\$7			\$40			\$36			\$44
TOTALS:				\$19,530			\$37,088			\$32,618			\$42,572
Remarks: Total Cost information is in thousands of dollars.													
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>Due to the implementation of PBXN-109 into the BLU-109 for the FY06/07 buys, the BLU-109 will experience an estimated \$2000 increase in unit cost. PBXN-109 will be implemented into the BLU-109 IAW the AF Insensitive Munitions (IM) Strategic Plan.</p> <p>(1) Three percent more bomb bodies are procured to account for defects.</p> <p>(2) Quality assurance consists of funding for Army personnel to travel to production facilities.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB)						
ITEM / 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										
FY2004(1)	1,513	\$12,899	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-04	Jan-05			
FY2005(1)	2,793	\$13,262	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Jan-05	Sep-06			
FY2006(2)	2,125	\$15,330	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Jan-06	Sep-07	Yes		
FY2007(2)	2,744	\$15,497	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Jan-07	Sep-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Ellwood National Forge Company, Irvine, PA, produces the bomb bodies in FY04 and FY05. The bomb body producer for FY06 and FY07 is unknown. McAlester Army Ammunition Plant Loads, Assembles, and Packs, (LAP) the bombs.</p> <p>(1) The contract has an FY01 base year with option for FY04 and FY05. (2) The FY06 contract will have three options.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$5,203	\$5,300	\$6,000	\$6,682	\$7,100	\$8,000	\$8,218	\$8,436
<p>Description:</p> <ol style="list-style-type: none"> 1. 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 will be 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. 2. This asset is in an initial inventory buildup phase. 3. Items requested in FY06 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. 4. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB)
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BLU-110B/B	A	695	\$7,089	{\$4,927}	717	\$6,892	{\$4,942}	883	\$6,602	{\$5,829}	983	\$6,780	{\$6,665}
LOAD ASSEMBLE & PACK		695	\$2,315	\$1,609	717	\$2,182	\$1,564	883	\$1,407	\$1,242	984	\$1,434	\$1,411
BOMB BODY BLU-110B/B (1)		726	\$1,379	\$1,001	745	\$1,112	\$828	907	\$1,259	\$1,142	1,036	\$1,283	\$1,329
LUG SUSPENSION MS3314		1,480	\$17	\$25	1,501	\$17	\$26	1,881	\$18	\$35	2,822	\$19	\$53
CXM-7 (LB)		379,303	\$6	\$2,208	384,300	\$6	\$2,406	480,411	\$7	\$3,272	529,522	\$7	\$3,707
CABLE ASSEMBLY M73		726	\$27	\$20	749	\$28	\$21	907	\$32	\$29	1,015	\$32	\$33
PALLET MHU-187		252	\$256	\$65	256	\$379	\$97	290	\$379	\$110	343	\$386	\$132
PROGRAM MANAGEMENT ADMINISTRATION				{\$276}			{\$358}			{\$171}			{\$17}
QUALITY ASSURANCE (2)				\$13			\$7			\$7			\$6
NAVY ENGINEERING SUPPORT				\$263			\$351			\$164			\$11
TOTALS:				\$5,203			\$5,300			\$6,000			\$6,682

Remarks:
 Total Cost information is in thousands of dollars.
 (1) Three percent more bomb bodies are procured to account for defects.

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
(2) Quality assurance consists of funding for Army personnel to travel to production facilities.														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-110B/B 1000 LB GP BOMB)						
ITEM / 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										
FY2004	695	\$7,089	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, MCALISTER ARMY AMMUNITION PLANT/MCALISTER, OK	Mar-04	Apr-05			
FY2005	717	\$6,892	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, MCALISTER ARMY AMMUNITION PLANT/MCALISTER, OK	Feb-05	Sep-06	Yes		
FY2006	883	\$6,602	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/JMC, MCALISTER ARMY AMMUNITION PLANT/MCALISTER, OK	Jan-06	Sep-07	Yes		
FY2007	983	\$6,780	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC, MCALISTER ARMY AMMUNITION PLANT/MCALISTER, OK	Jan-07	Sep-08	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 with General Dynamics Ordnance and Tactical Systems has an FY03 base year, with two option years.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-122 BOMB)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$0	\$7,297	\$11,913	\$11,913	\$0	\$0	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 1. The BLU-122 Bomb will be used on the GBU-28 C/B Precision Guided Air-to-Surface weapon, and is an improved 5000 lb BLU-113 penetrating warhead, with a new designator of BLU-122. It will be used on the B-2 and F-15E aircraft weapon system platforms. The warhead provides deeper target penetration, increased lethality, and survivability with improved insensitive munitions characteristics. The new BLU-122, incorporated into the GBU-28, significantly enhances the Air Force's capability to destroy hardened targets. 2. Items requested in FY06 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. 3. 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 2005					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-122 BOMB)										
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
BLU-122 (1)	A				71	\$85,199	{ \$6,049 }	140	\$69,597	{ \$9,744 }	139	\$69,693	{ \$9,687 }		
PALLET					76	\$4,356	\$331	140	\$4,000	\$560	139	\$4,000	\$556		
BLU-122 LOAD TRAINER					5	\$108,333	\$542								
BLU-122 LIVE WPN					71	\$72,907	\$5,176	140	\$65,597	\$9,184	139	\$65,693	\$9,131		
ENGINEERING CHANGE ORDERS							\$177			\$619			\$629		
PROGRAM MANAGEMENT ADMINISTRATION							\$754			\$761			\$760		
OTHER COSTS							\$316			\$789			\$837		
TOTALS:							\$7,297			\$11,913			\$11,913		
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) Cost information is in actual dollars</p>															
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-122 BOMB)						
ITEM / 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-122										
FY2005	71	\$85,199	AFMC/AAC	OPT/FFP	GD-OTS/NICEVILLE, FL	Apr-05	Aug-05	Yes		
FY2006	140	\$69,597	AFMC/AAC	OPT/FFP	GD-OTS/NICEVILLE, FL	Feb-06	May-06	Yes		
FY2007	139	\$69,693	AFMC/AAC	OPT/FFP	GD-OTS/NICEVILLE, FL	Feb-07	May-07	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <ol style="list-style-type: none"> 1. Unit cost is hardware only. 2. The FFP warhead production options were obtained during a competitive source selection process during the System Design and Demonstration (SDD) phase. The contract base year is FY03 with three available options. 										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-28C/B KIT)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY					0	0	0	0
COST (in Thousands)	\$0	\$12,303	\$20,087	\$20,087	\$0	\$0	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 1. The GBU-28C/B is a Precision Guided Air-to-Surface weapon, that is a follow-on to the legacy GBU-28 B/B weapon. Minor modifications are being incorporated into the guidance kit to accommodate the new, improved 5000 lb BLU-113 penetrating warhead (newly designated as the BLU-122). In addition, the MIL-STD-1760 conduit is being extended to accommodate in-flight fuze reprogramming capability in the future. The guidance kit contains a guidance section, a set of aerodynamic control surfaces, a laser seeker, and the Global Positioning System/Inertial Measurement Unit (GPS/IMU). The tail kit is a set of fixed wings. The GBU-28C/B provides the B-2 and F-15E aircraft weapon system platforms with adverse weather combat capability by incorporating rapid GPS acquisition and stand-alone IMU guidance capabilities. The GBU-28C/B, coupled with the new BLU-122, significantly enhances the Air Force's capability to destroy hardened targets. 2. Items requested in FY06 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. 3. 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 2005					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-28C/B KIT)										
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
GBU-28C/B KIT	B				76	\$134,211	\$10,200	140	\$133,529	\$18,694	139	\$134,211	\$18,655		
ENGINEERING CHANGE ORDERS							\$299			\$21			\$141		
PROGRAM MANAGEMENT ADMINISTRATION							\$1,271			\$1,271			\$1,117		
OTHER COSTS							\$533			\$101			\$173		
TOTALS:							\$12,303			\$20,087			\$20,087		
Remarks: Total Cost information is in thousands of dollars.															
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-28C/B KIT)						
ITEM / 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-28C/B KIT										
FY2005	76	\$134,211	AFMC/AAC	SS/FP W/OPT	RAYTHEON/TUCSON, AZ	Feb-05	Feb-06			
FY2006	140	\$133,529	AFMC/AAC	OPT/FP	RAYTHEON/TUCSON, AZ	Feb-06	Feb-07	Yes		
FY2007	139	\$134,211	AFMC/AAC	OPT/FP	RAYTHEON/TUCSON, AZ	Feb-07	Feb-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>1. Contract base year is FY05. The contract has two production options.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MAU-169H/B PAVEWAY II GCU (EA65))				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$67,725	\$57,409	\$48,944	\$27,518	\$30,017	\$46,214	\$50,779	\$55,696
<p>Description:</p> <ol style="list-style-type: none"> 1. The MAU-169H/B 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. 2. Items requested in FY06 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. 3. This item is procured through the Ogden Air Logistics Center. 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY (EC32))				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$28,777	\$26,331	\$27,293	\$12,714	\$12,385	\$21,306	\$23,899	\$26,918
<p>Description:</p> <ol style="list-style-type: none"> 1. 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. 2. Items requested in FY06 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. 3. This item is procured through the Ogden Air Logistics Center. 								
	P-1 ITEM NO 5		PAGE NO: 70		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-651 GBU-10 FIN ASSBLY, EC31)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST <small>(in Thousands)</small>	\$2,817	\$5,980	\$3,050	\$5,700	\$8,450	\$9,540	\$9,838	\$11,636	
<p>Description:</p> <ol style="list-style-type: none"> 1. The MXU-651/B is an airfoil group consisting of an aft wing assembly, forward canards and attaching hardware to assemble a GBU-10 (MK-84 Warhead, 2000lb class, or BLU-109 2000lb Hard Target Penetrator Bomb) PAVEWAY II Laser Guided Bomb (LGB). The PAVEWAY II system has folding wings which open upon release for increased maneuverability. 2. Items requested in FY06 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. 3. This item is procured through the Ogden Air Logistics Center. 									
	P-1 ITEM NO 5		PAGE NO: 74		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$8,362	\$6,605	\$17,481	\$25,574	\$24,818	\$29,975	\$38,212	\$50,566	
<p>Description:</p> <p>1. All items have a procurement value of less than \$5,000,000. Representative items requested in FY06 are identified on the following P-40A-IL. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>									
	P-1 ITEM NO 5		PAGE NO: 78		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)					
CBU-87(T-3)/B BOMB DISPENSER INERT (E852)		15	\$291		
BLU-113A(D-1)/B INERT BOMB (E989)		8	\$620	9	\$770
CBU-89(T-1)B (AIR TNG) (K293)		3	\$50		
MK-83 INERT		135	\$311	159	\$374
NOSE SUPPORT CUP (FW26)		4,018	\$50	3,939	\$50
KEVLAR LANYARD (EA99)		505	\$52		
MK82 WARHEAD (E485)		1,377	\$2,391	2,954	\$4,696
LANYARD (EA67)		80	\$100	82	\$104
BLU-109 (D-2)/B (F141)		133	\$1,670	205	\$2,620
BLU-109 (D-1)/B (F034)		445	\$4,990	415	\$4,740
FIN ASSY BOMB F/200 LB GP MK84 (F607)		4,443	\$1,629	5,612	\$2,095

	P-1 ITEM NO 5		PAGE NO: 79	Page 1 of 2
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
WGU-39(D-2) LOAD TRAINER (RY14)				78	\$800
MK84 MOD 1 INERT (F268)		26	\$70	25	\$70
BSU-33 FIN, MK82 GP BOMB (F782)				34,055	\$3,000
MAU-169(D-1) SEEKER (EA36)		192	\$1,300	145	\$1,000
TTU-373 C/E		9	\$904	39	\$4,000
MK-84 INERT (F262)		1,067	\$3,053	437	\$1,256
TOTALS:			\$17,481		\$25,574
Remarks: Cost information is in thousands of dollars.					
	P-1 ITEM NO 5		PAGE NO: 80		Page 2 of 2

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SENSOR FUZED WEAPON				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY	320	321	332	356	376	387	395	398
COST (in Thousands)	\$116,966	\$116,571	\$120,379	\$123,437	\$132,886	\$135,609	\$138,010	\$139,518
<p>Description:</p> <ol style="list-style-type: none"> 1. Quantities reflected above do not match the P-1 exhibit, these quantities are the updated projected quantities. Due to database lock time constraints, the quantities reflected on the P-1 exhibit did not reflect the most recent contract award data. 2. The Sensor Fuzed Weapon (SFW) is a wide-area smart munition designed for use against moving and stationary vehicles. The SFW provides operational forces with the capability to achieve multiple kills per pass, in all weather conditions, day or night. The SFW (CBU-97) consists of a Tactical Munitions Dispenser (TMD) containing ten BLU-108 submunitions. Each submunition contains four warheads, a parachute assembly, altimeter, and rocket motor. The TMD opens after release from the delivery aircraft, dispensing the submunitions. The submunitions are parachute retarded and oriented nose downward. After the parachute ejects, the rocket motor fires to launch the warheads. The warheads release in a horizontal trajectory and target activate using infrared and laser sensors contained in the warhead, firing a self-forging projectile into the target. SFW has a 99 percent self-destruct capability to reduce battlefield Unexploded Ordinance (UXO). 3. The SFW (CBU-97) is compatible with the Wind Corrected Munition Dispenser (WCMD), the CBU-105. The WCMD tail kits are procured separately for dispenser munitions to correct for wind-induced delivery errors. WCMD configurations are produced to support USAF as well as Foreign Military Sales (FMS) inventory requirements. 								
	P-1 ITEM NO 6		PAGE NO: 81		Page 1 of 1			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: SENSOR FUZED WEAPON									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
HARDWARE		320		{\$113,465}	321		{\$113,976}	332		{\$117,783}	356		{\$120,792}	
CBU-97/B	A	320	\$351,097	\$112,351	321	\$347,511	\$111,551	332	\$342,837	\$113,822	356	\$327,258	\$116,504	
ENGINEERING CHANGE ORDERS				\$453			\$2,080			\$3,961			\$4,288	
GOVERNMENT FURNISHED EQUIPMENT				\$661			\$345							
PRODUCTION AND SUPPORT COST				{\$3,501}			{\$2,595}			{\$2,596}			{\$2,645}	
TEST SUPPORT (LOT ACCEPTANCE TEST/QUAL)				\$891			\$627			\$638			\$649	
PROGRAM MANAGEMENT ADMINISTRATION				\$2,462			\$1,823			\$1,810			\$1,845	
LOAD, ASSEMBLY, PACK (LAP) SUPPORT				\$148			\$145			\$148			\$151	
TOTALS:				\$116,966			\$116,571			\$120,379			\$123,437	
Remarks: Total Cost information is in thousands of dollars.														
				P-1 ITEM NO 6					PAGE NO: 82					
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SENSOR FUZED WEAPON						
ITEM / 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	
CBU-97/B										
FY2004	320	\$351,097	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	Dec-03	Jan-05			
FY2005	321	\$347,511	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	Dec-04	Jan-06			
FY2006	332	\$342,837	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	Jan-06	Jan-07	Yes		
FY2007	356	\$327,258	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	Jan-07	Jan-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>The Program Office has established a Long Term Pricing Agreement (LTPA) with Textron for Full Rate Production (FRP) Lots 11-15 (FY06-10). The LTPA contains Firm Fixed Priced options for annual production lots (not multi-year procurement). This agreement enables a greater number of weapons to be procured with the same budget to meet Air Force inventory requirements.</p>										
			P-1 ITEM NO 6			PAGE NO: 83	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40M)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION
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	PRIOR YEARS	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
Quantity	61,904	20,244	23,137	8,000	8,953	8,218	9,757	4,713	3,383	148,309
Gross Cost (\$M)	\$1,311.952	\$424.532	\$514.786	\$223.285	\$229.208	\$218.475	\$267.031	\$137.667	\$104.963	\$3,431.899
Initial Spares (\$M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total (\$M)	\$1,311.952	\$424.532	\$514.786	\$223.285	\$229.208	\$218.475	\$267.031	\$137.667	\$104.963	\$3,431.899
Flyaway Unit Cost (\$M)	\$0.020	\$0.020	\$0.022	\$0.026	\$0.024	\$0.025	\$0.026	\$0.027	\$0.027	\$0.022
Wpn Sys Proc Unit Cost (\$M)	\$0.021	\$0.021	\$0.022	\$0.028	\$0.026	\$0.027	\$0.027	\$0.029	\$0.031	\$0.023

Description:

1. The Joint Direct Attack Munition (JDAM) program is a joint Air Force/Navy program with the Air Force as the lead service. Designated ACAT 1C, this program upgrades the existing inventory of general purpose bombs (MK-84, BLU-109/B, MK-82 and MK-83) by integrating the bombs with a guidance kit consisting of a global positioning system aided inertial navigation system (GPS/INS). JDAM provides accurate, adverse weather capability. JDAM is integrated with the B-52H, B-2A, B-1B, F-16C/D, F-14B/D, F/A-18C/D/E/F, and F-15E aircraft. Follow-on integration on the F/A-22, F-117, A/OA-10, AV-8B, and F-35 is in progress. Follow-on integration efforts are planned for the MQ-9 (Predator) and J-UCAS.

2. FY06 (Lot 10) will be GPS Selective Availability Anti-Spoofing Module (SAASM) equipped. FY06 unit pricing includes Anti-Jam, however, Anti-Jam units will be procured based on availability of funding.

3. Total Funding includes Seek Eagle.

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)

DATE: FEBRUARY 2005

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:
JOINT DIRECT ATTACK MUNITION

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
JOINT DIRECT ATTACK MUNITION		20,244		(\$409,405)	23,137		(\$502,770)	8,000		(\$210,628)	8,953		(\$216,205)
AIRFRAME	A	20,244	\$20,032	\$405,521	23,137	\$21,516	\$497,823	8,000	\$25,948	\$207,582	8,953	\$23,794	\$213,025
ENGINEERING CHANGE ORDERS										\$1,046			\$1,066
CONTRACTOR INCENTIVE				\$3,884			\$4,947			\$2,000			\$2,114
SUPPORT COSTS		109		(\$14,984)	114		(\$12,016)	130		(\$12,657)	130		(\$12,898)
AIRBORNE TEST EQUIPMENT	A	104	\$32,183	\$3,347	109	\$31,899	\$3,477	125	\$32,440	\$4,055	125	\$33,032	\$4,129
TEST EQUIPMENT (CMBRE)	A	5	\$59,200	\$296	5	\$60,200	\$301	5	\$61,200	\$306	5	\$62,400	\$312
PROGRAM MANAGEMENT ADMINISTRATION & MISSION SUPPORT				\$3,677			\$4,270			\$4,342			\$4,423
ALTERNATE DISPUTE RESOLUTION				\$50			\$51			\$52			\$53
TRAINING				\$640									
PRODUCTION SUSTAINING ENGINEERING				\$6,974			\$3,917			\$3,902			\$3,981
SEEK EAGLE				\$143									\$105
TOTALS:				\$424,532			\$514,786			\$223,285			\$229,208

Remarks:

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>Total Cost information is in thousands of dollars.</p> <p>FY06 Lot 10 Unit Cost is higher than FY07 because 100% of the FY06 Lot 10 units are Anti-Jam equipped.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION						
ITEM / 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										
FY2004	20,244	\$20,032	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Feb-04	Mar-05			
FY2005	23,137	\$21,516	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Feb-05	Mar-06			
FY2006	8,000	\$25,948	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jan-06	Mar-07	Yes		
FY2007	8,953	\$23,794	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jan-07	Mar-08	Yes		
FY2008	8,218	\$24,635	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jan-08	Mar-09	Yes		
FY2009	9,757	\$25,656	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jan-09	Mar-10	Yes		
FY2010	4,713	\$26,171	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jan-10	Mar-11	Yes		
FY2011	3,383	\$26,807	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jan-11	Mar-12	Yes		
SUPPORT COSTS										
TEST EQUIPMENT (CMBRE)										
FY2004(1)	5	\$59,200	AFMC/ASC	OTH/FFP	ALLIANT TECH SYSTEMS/CLEARWATER, FL	Mar-04	Jan-05			
		P-1 ITEM NO 7			PAGE NO: 87			Page 1 of 2		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION						
ITEM / 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	
FY2005(1)	5	\$60,200	AFMC/ASC	OTH/FFP	ALLIANT TECH SYSTEMS/CLEARWATER, FL	Mar-05	Jan-06	Yes		
FY2006(1)	5	\$61,200	AFMC/ASC	OTH/FFP	ALLIANT TECH SYSTEMS/CLEARWATER, FL	Mar-06	Jan-07	Yes		
FY2007(1)	5	\$62,400	AFMC/ASC	OTH/FFP	ALLIANT TECH SYSTEMS/CLEARWATER, FL	Mar-07	Jan-08	Yes		
AIRBORNE TEST EQUIPMENT										
FY2004	104	\$32,183	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Feb-04	Nov-04			
FY2005	109	\$31,899	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Feb-05	Nov-05			
FY2006	125	\$32,440	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jan-06	Oct-06	Yes		
FY2007	125	\$33,032	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jan-07	Oct-07	Yes		
Remarks: Cost information is in actual dollars. (1) CMBRE test equipment procured on a Government Services Administration schedule.										
			P-1 ITEM NO 7			PAGE NO: 88	Page 2 of 2			

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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 2005		APPN: 3011
CATEGORY TY\$ FY06PB PE: 27583F BPAC: 357010		EQUIP: MUNITIONS			REPORT CONTROL SYMBOL:			PREPARED BY: ACC/YU		
DESCRIPTION	PRIOR YEARS	2004	2005	2006	2007	2008	2009	2010	2011	TOTAL
QUANTITY OF AURs	61,904	20,244	23,137	8,000	8,953	8,218	9,757	4,713	3,383	148,309
RECURRING HARDWARE	\$1,235.324	\$405.521	\$497.823	\$207.582	\$213.025	\$202.453	\$250.330	\$123.343	\$90.688	\$3,226.089
ECO	\$1.724	\$0	\$0	\$1.046	\$1.066	\$1.087	\$1.108	\$1.130	\$1.153	\$8.314
CONTRACTOR INCENTIVE	\$13.749	\$3.884	\$4.947	\$2.000	\$2.114	\$2.009	\$2.485	\$1.224	\$0.900	\$33.312
FLYAWAY COST	\$1,250.797	\$409.405	\$502.770	\$210.628	\$216.205	\$205.549	\$253.923	\$125.697	\$92.741	\$3,267.715
TEST EQUIPMENT (CMBRE)	\$9.343	\$296	\$301	\$306	\$312	\$0	\$0	\$0	\$0	\$10.558
AIRBORNE TEST EQUIPMENT	\$18.199	\$3.347	\$3.477	\$4.055	\$4.129	\$4.210	\$4.295	\$2.979	\$3.039	\$47.730
DATA	\$0.059	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.059
PROGRAM MGMT./ADMIN REQ	\$13.838	\$3.677	\$4.270	\$4.342	\$4.423	\$4.509	\$4.604	\$4.690	\$4.789	\$49.142
SYSTEM TEST & EVALUATION	\$222	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$222
TRAINING	\$1.912	\$640	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2.552
PROD. SUSTAINING ENGINEERING	\$13.614	\$6.974	\$3.917	\$3.902	\$3.981	\$4.153	\$4.154	\$4.244	\$4.336	\$49.275
SEEK EAGLE	\$725	\$143	\$0	\$0	\$105	\$0	\$0	\$0	\$0	\$973
ALT. DISPUTE RESOLUTION	\$490	\$050	\$051	\$052	\$053	\$054	\$055	\$057	\$058	\$920
DELIVERY ACCELERATION	\$2.753	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2.753
WEAPON SYSTEM COST	\$1,311.952	\$424.532	\$514.786	\$223.285	\$229.208	\$218.475	\$267.031	\$137.667	\$104.963	\$3,431.899
INITIAL SPARES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROCUREMENT COST	\$1,311.952	\$424.532	\$514.786	\$223.285	\$229.208	\$218.475	\$267.031	\$137.667	\$104.963	\$3,431.899
TOTAL PROGRAM (TY\$)	\$1,311.952	\$424.532	\$514.786	\$223.285	\$229.208	\$218.475	\$267.031	\$137.667	\$104.963	\$3,431.899
APPROVED PROGRAM (TY\$)	\$1,311.952	\$424.532	\$514.786	\$223.285	\$229.208	\$218.475	\$267.031	\$137.667	\$104.963	\$3,431.899
DELTA (TY\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CAD/PAD					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$19,722	\$20,300	\$21,212	\$21,952	\$22,658	\$23,169	\$24,108	\$24,491	
<p>Description:</p> <p>1. Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD), such as gas generators, initiators, Shield Mild Detonating Cord (SMDC), rocket motors, rocket catapults, etc., are used on aircraft fire suppression, emergency release and aircrew escape systems. These explosive devices have finite lives and are replaced during scheduled maintenance. Aircraft operational availability is directly impacted if replacement assets are not available to meet these "time change" requirements. Life support devices such as the Sea Water Activated Release System (SEWARS) and parachute release cartridges are essential to crew survival after ejection and are included in the CAD/PAD category.</p> <p>2. Items requested in FY06 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 9		PAGE NO: 90		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CAD/PAD
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BOMBER AIRCRAFT	A		\$5,645		\$6,016		\$6,127		\$6,183
CARGO AIRCRAFT	A		\$3,748		\$3,790		\$3,990		\$3,990
FIGHTER AIRCRAFT	A		\$4,318		\$4,480		\$4,900		\$5,166
TRAINING AIRCRAFT	A		\$450		\$450		\$450		\$450
COMMON EGRESS ITEMS	A		\$2,736		\$2,878		\$2,607		\$2,703
COMMON LIFE SUPPORT ITEMS	A		\$2,525		\$2,386		\$2,471		\$2,500
COMMON MISC ITEMS	A		\$300		\$300		\$667		\$960
TOTALS:			\$19,722		\$20,300		\$21,212		\$21,952

Remarks:
 Cost information is in thousands of dollars.

	P-1 ITEM NO 9		PAGE NO: 91	Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST <small>(in Thousands)</small>	\$3,148	\$2,878	\$2,958	\$3,046	\$3,111	\$3,183	\$3,297	\$3,391
<p>Description:</p> <p>1. 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 by the Air Force Non-Nuclear Munitions Safety Board (NNMSB) and the Department of Defense Explosives Safety Board (DDESB) for use.</p> <p>2. Items requested in FY06 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 equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 10		PAGE NO: 92		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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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	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CHARGE, DEMOLITION C4-M112 (M023)	A	61,000	\$959	64,766	\$1,000	40,967	\$678	43,470	\$729
DEMOLITION TOOLS	A			88	\$445	107	\$550	118	\$620
EXPLOSIVE CUTTING TAPE (MM53)	A			2,725	\$297	4,847	\$538	4,796	\$542
EXPLOSIVE CUTTING TAPE (MM54)	A	3,574	\$334	4,033	\$381	5,243	\$500	5,188	\$500
EOD TRAINING AIDS	A	22	\$171	40	\$320	47	\$400	44	\$400
DISRUPTOR, LIGHT WEIGHT (YY32)	A	1,630	\$187	594	\$70	440	\$53	431	\$53
CHARGE, DEMO SHAPED MK88 (M997)	A	757	\$89	757	\$65	740	\$45	597	\$37
RE70 FSS SLUG (NY11)	A	1,175	\$67	1,255	\$73	456	\$27	447	\$27
SEMTEX A (MN82)	A	1,400	\$25	1,467	\$25	1,452	\$25	2,020	\$35
IGNITER TIME BLASTING (MN08)	A	5,000	\$19	4,785	\$19	6,024	\$25	5,813	\$25
DISRUPTOR, MAIN CHARGE (DWDF)	A	1,475	\$68	1,602	\$70	452	\$20	446	\$20
MK275 AVON (AA63)	A	1,527	\$9	829	\$5	3,084	\$19	477	\$3
ALUMINUM SLUG, MK 280 (DWEE)	A					2,745	\$14	784	\$4

	P-1 ITEM NO 10		PAGE NO: 93		Page 1 of 3
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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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	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
STEEL SLUG, MK 279 (DWED)	A					2,745	\$14	590	\$3
50 CAL API (A606)	A	12,500	\$99	4,884	\$36	1,336	\$10	1,062	\$10
SHOCK TUBE (YY34)	A	1,800,000	\$90	500,000	\$25	166,666	\$10	166,666	\$10
ENHANCED BLANK, MK 277 (DWEC)	A					3,448	\$10	3,412	\$10
DYNAMITE, 75% AMMON NITRATE (MN85)	A	2,040	\$7	1,538	\$7	1,525	\$7	1,077	\$5
SQUIB (WB29)	A	7,142	\$8	1,250	\$5	1,234	\$5	1,207	\$5
MK276 POPPER (AA64)	A	2,395	\$4	3,508	\$6	1,142	\$2	1,117	\$2
EXPLOSIVE WATER GEL (MY77)	A	1,283	\$2	1,282	\$2	1,265	\$2	1,250	\$2
MEDIUM VELOCITY BLANK (AA66)	A	10,000	\$20	4,176	\$17	486	\$2	480	\$2
RELOADER (ML66)	A	35	\$1	77	\$1	75	\$1	74	\$1
DYNAMITE, NITRO GLYCERIN MN30	A					621	\$1	613	\$1
MK274 ULTRA (AA62)	A	1,257	\$7	1,610	\$9				
DETA SHEET (M980)	A	31,370	\$317						

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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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	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMP-4 (1LB BLOCK) (MN53)	A	37,636	\$449						
MINI-MINE DETECTOR	A	43	\$216						
TOTALS:			\$3,148		\$2,878		\$2,958		\$3,046

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SPARES AND REPAIR PARTS					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$1,001	\$4,347	\$4,354	\$4,637	\$4,597	\$4,938	\$4,998	\$5,126	
<p>Description:</p> <p>1. 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>2. Items requested in FY06 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force Mission requirements.</p>									
	P-1 ITEM NO 11		PAGE NO: 96		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SPARES AND REPAIR PARTS					
PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
INITIAL SPARES	A		{\$1,001}		{\$150}		{\$136}		{\$338}
MISC. LOW COST INITIAL SPARES	A		\$1,001		\$150		\$136		\$338
REPLENISHMENT SPARES	A				{\$4,197}		{\$4,218}		{\$4,299}
GP BOMBS	A				\$4,197		\$4,218		\$4,299
TOTALS:			\$1,001		\$4,347		\$4,354		\$4,637
<p>Remarks: Cost information is in thousands of dollars.</p>									
P-1 ITEM NO 11			PAGE NO: 97			Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MODIFICATIONS				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$1	\$201	\$892	\$906	\$910	\$1,211	\$1,288	\$1,315
<p>Description:</p> <ol style="list-style-type: none"> 1. 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. 2. The FY06 funding request reflects estimated costs based on historical funding requirements and projected future requirements. 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$896	\$2,788	\$3,948	\$4,023	\$4,055	\$3,935	\$1,726	\$1,739
<p>Description:</p> <p>1. This category includes various munitions items to support Air Base Ground Defense, Air Rescue, and aircrew/ground training. All items have an annual procurement value of less than \$5 million and are code A.</p> <p>2. Items requested in FY06 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 equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 15		PAGE NO: 99		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION			
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
GRENAD, HAND, SMOKE GREEN (G940)		28,550	\$1,530	27,887	\$1,517
NUCLEAR TRAINER		2	\$898	2	\$899
GRENAD, MK84 STUN (GG09)		5,496	\$500	5,443	\$500
HND GRENAD, RED SMOKE (G950)		5,996	\$361	8,324	\$463
GRENAD, HAND VIOLET SMOKE (G955)		3,984	\$200	3,795	\$200
SIMULATOR, GROUND BURST (L594)		19,240	\$180	14,815	\$160
GRENAD, HAND PRACTICE (L601)		15,983	\$143	15,417	\$148
GRENAD, HAND FRAG DELAY (G881)		1,561	\$60	1,440	\$60
SIMULATOR, AIR BURST (L366)		1,014	\$35	629	\$35
PEPPER SPRAY (KM01)		1,632	\$33	1,615	\$33
PEPPER SPRAY POCKET (KM02)		369	\$7	356	\$7
RIOT CONTROL CAPSULE (K765)		3,145	\$1	3,088	\$1

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION		
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
TOTALS:			\$3,948		\$4,023
<p>Remarks: Cost information is in thousands of dollars.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (OVERVIEW)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$141,910	\$119,067	\$143,620	\$159,606	\$166,409	\$217,297	\$193,654	\$200,257
<p>Description:</p> <ol style="list-style-type: none"> 1. 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. 2. Overall fuze funding increase in FY06 is due primarily to increased combat usage of MJU-10/B Infrared Countermeasure Flares, and elimination of production constraints on M211 Aircraft Flares. 3. Items requested in FY06 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-1 ITEM NO 16		PAGE NO: 102		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-7B IR FLARE (L463)	A	685,424	\$22,619	724,794	\$24,643	796,058	\$27,066	815,555	\$29,360
LUU-1 FLARE (L660)	A			2,860	\$3,146	5,311	\$5,938	5,690	\$6,483
M206 FLARE (L410)	A	1,254,400	\$25,088	1,134,390	\$23,255	1,484,622	\$33,404	1,308,720	\$32,718
M-211 (LA14)	A	106,785	\$15,832	60,240	\$7,750	131,533	\$17,098	152,721	\$20,060
M-212 (LA15)	A	35,816	\$4,710	20,715	\$2,752	30,450	\$4,087	54,324	\$7,368
MJU-10/B FLARE (L461)	A			19,055	\$1,980	156,914	\$16,476	168,442	\$18,020
MJU-39/40 FLARE	A	1,704	\$6,480	3,364	\$8,133	4,543	\$10,984	4,547	\$10,993
MJU-47/B (LA30)	A	10,224	\$3,732	10,203	\$3,762	10,099	\$3,762	17,001	\$6,400
MJU-48/B (LA31)	A	8,217	\$3,254	8,199	\$3,280	8,115	\$3,280	15,670	\$6,400
MJU-50/B FLARE (LA19)	A	95,463	\$6,250	95,252	\$6,300	94,283	\$6,300	111,078	\$7,500
ITEMS LESS THAN \$5 MILLION	A		\$53,945		\$34,066		\$15,225		\$14,304
TOTALS:			\$141,910		\$119,066		\$143,620		\$159,606

Remarks:

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
Cost information is in thousands of dollars.									
		P-1 ITEM NO 16				PAGE NO: 104		Page 2 of 2	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$22,619	\$24,643	\$27,066	\$29,360	\$29,752	\$35,202	\$29,487	\$30,948
<p>Description:</p> <ol style="list-style-type: none"> 1. The MJU-7A/B is an infrared countermeasures flare used by F-15, F-16, and C-141 aircraft against heat seeking missiles. It is dispensed from an ALE-40V. 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. 2. Items requested in FY06 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. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		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	A	415,426	\$33	\$13,567,813	436,181	\$34	\$14,782,174	455,300	\$36	\$16,235,998	485,725	\$36	\$17,612,389	
MJU-7A/B IR FLARE	A	276,949	\$33	\$9,045,154	290,788	\$34	\$9,854,805	303,533	\$36	\$10,823,987	323,816	\$36	\$11,741,568	
PRODUCTION SUPPORT														
PRODUCTION SUPPORT				\$6,000			\$6,000			\$6,000			\$6,000	
TOTALS:				\$22,618,968			\$24,642,979			\$27,065,985			\$29,359,957	
<p>Remarks: Total Cost information is in actual dollars.</p> <p>Production support is used for US Army quality personnel visits to contractor facilities</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)						
ITEM / 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										
FY2004	415,426	\$33	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/ARMTEC/CAMDEN, AR	Oct-04	Mar-05			
FY2004	276,949	\$33	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/KILGORE/TOONE, TN	Oct-04	Mar-05			
FY2005	436,181	\$34	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR	Mar-05	Sep-05	Yes		
FY2005	290,788	\$34	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/KILGORE/TOONE, TN	Mar-05	Sep-05	Yes		
FY2006	455,300	\$36	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR	Mar-06	Sep-06	Yes		
FY2006	303,533	\$36	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/KILGORE/TOONE, TN	Mar-06	Sep-06	Yes		
FY2007	485,725	\$36	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR	Mar-07	Sep-07	Yes		
FY2007	323,816	\$36	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/KILGORE/TOONE, TN	Mar-07	Sep-07	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Contract has an FY04 base year with five option years.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-1- FLARE - L660)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$0	\$3,146	\$5,938	\$6,483	\$6,500	\$6,500	\$6,790	\$7,380	
<p>Description:</p> <ol style="list-style-type: none"> 1. The LUU-1 aircraft parachute flare is an aircraft launched target marking device. Flares may be delivered/launched from high speed aircraft by use of SUU-25 flare dispensers. The pyrotechnic candle burns at the upper end, which is connected to the parachute to reduce the possibility of extinguishing on ground contact. The parachute is designed to provide a 30 feet per second rate of decent, and to snag in the top of foliage. The pyrotechnic candle produces a colored light with an average burning time of 30 minutes. This flare enhances a pilot's ability to see targets while using night vision goggles. 2. A new technical data package is being developed for this flare, which won't be available until May 05. FY05 funding was adjusted downward in consideration of the late contract award. 3. Items requested in FY06 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. 4. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (LUU-1- FLARE - L660)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
LUU-1/B FLARE	A			2,860	\$3,146	5,311	\$5,938	5,690	\$6,483
TOTALS:				2,860	\$3,146	5,311	\$5,938	5,690	\$6,483

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-1- FLARE - L660)						
ITEM / 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-1/B FLARE										
FY2005	2,860	\$1,100	AFMC/OO-ALC	C/FP W/OPT	UNKNOWN	May-05	Dec-06	Yes		
FY2006	5,311	\$1,118	AFMC/OO-ALC	OPT/FP	UNKNOWN	Mar-06	Oct-07	Yes		
FY2007	5,690	\$1,139	AFMC/OO-ALC	OPT/FP	UNKNOWN	Mar-07	Oct-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p>										
P-1 ITEM NO 16			PAGE NO: 110			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$25,088	\$23,255	\$33,404	\$32,718	\$30,947	\$31,413	\$27,733	\$28,410
<p>Description:</p> <ol style="list-style-type: none"> 1. The M206 is an infrared countermeasures flare used by A-10, F-16, C-17, and AC-130 aircraft against heat seeking missiles. 2. Items requested in FY06 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. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 								
	P-1 ITEM NO 16		PAGE NO: 111		Page 1 of 1			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
FLARES (M206 FLARE - L410)														
M206 FLARE	A	799,765	\$19	\$14,980	711,446	\$19	\$13,823	937,662	\$21	\$19,897	826,833	\$24	\$19,480	
M206 FLARE	A	475,996	\$21	\$9,986	423,316	\$22	\$9,216	558,048	\$24	\$13,265	492,110	\$26	\$12,987	
PRODUCTION SUPPORT														
PRODUCTION ENGINEERING				\$116			\$210			\$236			\$245	
QUALITY ASSURANCE (1)				\$6			\$6			\$6			\$6	
TOTALS:				\$25,088			\$23,255			\$33,404			\$32,718	
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) Quality assurance consists of funding for Army personnel to travel to production facilities.</p>														
				P-1 ITEM NO 16					PAGE NO: 112					
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)						
ITEM / 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										
FY2004	799,765	\$18.73	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/ARMTEC/CAMDEN, AR	Oct-04	Jul-05			
FY2004	475,996	\$20.98	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/KILGORE/TOONE, TN	Oct-04	Jul-05			
FY2005	711,446	\$19.43	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR	Mar-05	Mar-06	Yes		
FY2005	423,316	\$21.77	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/KILGORE/TOONE, TN	Mar-05	Mar-06	Yes		
FY2006	937,662	\$21.22	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR	Mar-06	Mar-07	Yes		
FY2006	558,048	\$23.77	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/KILGORE/TOONE, TN	Mar-06	Mar-07	Yes		
FY2007	826,833	\$23.56	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/ARMTEC/CAMDEN, AR	Mar-07	Mar-08	Yes		
FY2007	492,110	\$26.39	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/KILGORE/TOONE, TN	Mar-07	Mar-08	Yes		
<p>Remarks: Cost information is in actual dollars. Contract has an with an FY04 base year with five option years. The procurement is split between two contractors.</p>										
P-1 ITEM NO 16			PAGE NO: 113			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$15,832	\$7,750	\$17,098	\$20,060	\$20,497	\$24,960	\$23,274	\$24,340	
<p>Description:</p> <ol style="list-style-type: none"> 1. The M211 is a hermetically sealed aluminum case purged with nitrogen containing a payload of stacked special material elements which react to air. When deployed into the air stream, the special material reacts to emit an infrared signal to decoy infrared seeking missiles. This flare is required to provide the C-130 and A-10 aircraft and HH-53 and HH-60 helicopters protection against advanced air-to-air and surface-to-air infrared weapon systems. 2. Funding for FY05 was reduced in the FY05PB due to manufacturing constraints, which have since been resolved. 3. Items requested in FY06 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. 4. This item is procured through the Armament Research Development and Engineering Center (ARDEC) at Picatinny Arsenal, NJ. 									
	P-1 ITEM NO 16		PAGE NO: 114		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)					
PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M211 FLARE	A	106,785	\$15,831,944	60,240	\$7,749,876	131,533	\$17,097,975	152,721	\$20,059,903
TOTALS:			\$15,831,944		\$7,749,876		\$17,097,975		\$20,059,903
<p>Remarks: Cost information is in actual dollars.</p>									
P-1 ITEM NO 16			PAGE NO: 115			Page 1 of 1			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
M211 FLARE(1)										
FY2004(1)	106,785	\$148.26	AFMC/OO-ALC	MIPR/OPT/IDIQ	ARMY/ALLOY SURFACES/CHESTER TOWNSHIP, PA	Mar-04	Jun-05			
FY2005	60,240	\$128.65	AFMC/OO-ALC	MIPR/OPT/IDIQ	ARMY/ALLOY SURFACES/CHESTER TOWNSHIP, PA	Mar-05	Nov-05	Yes		
FY2006(2)	131,533	\$129.99	AFMC/OO-ALC	MIPR/SS/FP W/OPT	ARMY/ALLOY SURFACES/CHESTER TOWNSHIP, PA	Mar-06	Nov-06	Yes		
FY2007(2)	152,721	\$131.35	AFMC/OO-ALC	MIPR/OPT/FP	ALLOY SURFACES/CHESTER TOWNSHIP, PA	Mar-07	Nov-07	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has an FY02 base year with three option years. (2) Contract has an FY06 base year with three option years.</p>										
			P-1 ITEM NO 16			PAGE NO: 116				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M212 INFRA RED CM FLARE - LA15)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST <small>(in Thousands)</small>	\$4,710	\$2,752	\$4,087	\$7,368	\$7,413	\$16,032	\$10,497	\$10,685	
<p>Description:</p> <ol style="list-style-type: none"> 1. The M212 Multi-color Infrared Countermeasure Flare consists of an 8" x 1" x 1" aluminum case that possesses a receptacle for installation of an impulse cartridge. The M212 is then loaded into a MJU-11 multiple countermeasure magazine and installed into an AN-ALE-40 series countermeasure dispenser. The M212 countermeasure flare is deployed into the aircraft air stream and ignited by the hot gases and flame produced by the BBU-35 impulse cartridge. This flare is primarily used on C-130 aircraft. The M212 flare is designed to provide multi-spectrum infrared output and is used with M211 decoys and M206 flares as a cocktail mix to decoy advanced missile threats against the aircraft. 2. Items requested in FY06 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. 3. This item is procured through the Armament Research Development and Engineering Center (ARDEC) at Picatinny Arsenal, NJ. 									
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (M212 INFRA RED CM FLARE - LA15)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M212 (LA15)	A	35,816	\$4,710	20,715	\$2,752	30,450	\$4,087	54,324	\$7,368
TOTALS:		35,816	\$4,710	20,715	\$2,752	30,450	\$4,087	54,324	\$7,368

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M212 INFRA RED CM FLARE - LA15)						
ITEM / 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	
M212 (LA15)										
FY2004	35,816	\$131.51	AFMC/OO-ALC	MIPR/FFP W/OPT	ARMY/ATK-THIOKOL PROPULSION CO/BRIGHAM CITY, UT	Mar-04	May-05			
FY2005	20,715	\$132.85	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ATK-THIOKOL PROPULSION CO/BRIGHAM CITY, UT	Mar-05	Aug-05	Yes		
FY2006	30,450	\$134.22	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ATK-THIOKOL PROPULSION CO/BRIGHAM CITY, UT	Mar-06	Aug-06	Yes		
FY2007	54,324	\$135.63	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ATK-THIOKOL PROPULSION CO/BRIGHAM CITY, UT	Mar-07	Aug-07	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Contract has an FY04 base year with four option years.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-10/B IR CM FLARE - L461)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$0	\$1,980	\$16,476	\$18,020	\$18,406	\$24,032	\$21,182	\$17,325	
<p>Description:</p> <ol style="list-style-type: none"> 1. The MJU-10/B is an infrared countermeasure flare used by A-10, F-15 and F-16 aircraft against heat seeking missiles. It is dispensed from the AN/ALE-45. This flare is approximately twice the size of the MJU-7/B Flare, which is used on F-16 and C-141 aircraft. 2. MJU-10/B Flare is used in a preemptive mode. Usage has increased dramatically over the last two years. 3. Items requested in FY06 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. 4. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (MJU-10/B IR CM FLARE - L461)								
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MJU-10/B	A				19,055	\$103.59	\$1,974	156,914	\$105.00	\$16,476	168,442	\$106.98	\$18,020
QUALITY ASSURANCE							\$6						
TOTALS:					19,055		\$1,980	156,914		\$16,476	168,442		\$18,020
Remarks: Total Cost information is in thousands of dollars.													
				P-1 ITEM NO 16				PAGE NO: 121				Page 1 of 1	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-10/B IR CM FLARE - L461)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MJU-10/B										
FY2005	19,055	\$103.59	AFMC/OO-ALC	MIPR/FFP W/OPT	ARMY/UNKNOWN	Mar-05	Mar-06	Yes		
FY2006	156,914	\$105.00	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Feb-06	Mar-07	Yes		
FY2007	168,442	\$106.98	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Feb-07	Mar-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-39/40-ACFT FLARE)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$6,480	\$8,133	\$10,984	\$10,993	\$12,314	\$12,614	\$15,909	\$12,702	
Description: <p>1. MJU-39/40 flares are expendable devices used on the F-22 aircraft to counter infrared missiles. Each flare contains material that emits an infrared signature when exposed to air. These flares are designed to meet F-22 unique requirements.</p> <p>2. Items requested in FY06 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>									
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-39/40-ACFT FLARE)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-39/40	A	1,704	\$6,480	3,364	\$8,133	4,543	\$10,984	4,547	\$10,993
TOTALS:		1,704	\$6,480	3,364	\$8,133	4,543	\$10,984	4,547	\$10,993

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: FLARES (MJU-39/40-ACFT FLARE)							
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MJU-39/40										
FY2004(1)	1,704	\$3,803	AFMC/ASC	OPT/FFP	BAE SYSTEMS/E CAMDEN, AR	Apr-04	Apr-05			
FY2005(2)	3,364	\$2,418	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	May-05	May-06	Yes		
FY2006	4,543	\$2,418	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Mar-06	Mar-07	Yes		
FY2007	4,547	\$2,418	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Mar-07	Mar-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has a FY03 base year with two option years. The last option year will not be exercised due to the relocation of procurement contract office.</p> <p>(2) Procurement authority will transition from the F-22 System Program Office to the Ogden Air Logistics Center, Air to Surface Munitions Directorate in FY05. FY05 contract will have two option years.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-47/B -LA30)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$3,732	\$3,762	\$3,762	\$6,400	\$7,762	\$11,562	\$11,792	\$12,022	
<p>Description:</p> <ol style="list-style-type: none"> 1. The MJU-47/B is an infrared countermeasure flare used on F-15 and F-16 fighter aircraft against heat seeking missiles. When used in conjunction with the MJU-48/B flare, the MJU-47/B provides effective defense against modern manpad threats. The flare payload consists of an infrared flare pellet contained in a flare housing with fins and nozzles, integral sequencing mechanism, and a plastic piston contained in an aluminum cartridge case. The forward end of the outer aluminum case contains a cup receptacle for the BBU-36/B impulse cartridge with a crimped/staked plastic end cap at the aft end. 2. This item is procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate. 3. Items requested in FY06 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 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-47/B -LA30)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-47/B FLARE - LA30	A	10,224	\$3,732	10,203	\$3,762	10,099	\$3,762	17,001	\$6,400
TOTALS:		10,224	\$3,732	10,203	\$3,762	10,099	\$3,762	17,001	\$6,400

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-47/B -LA30)						
ITEM / 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-47/B FLARE - LA30										
FY2004	10,224	\$365.00	AFMC/OO-ALC	SS/FFP W/OPT	ARMTEC/CAMDEN, AR	Sep-04	Jun-05			
FY2005	10,203	\$368.71	AFMC/OO-ALC	SS/FFP	ARMTEC/CAMDEN, AR	Mar-05	Apr-06	Yes		
FY2006(1-2)	10,099	\$372.52	AFMC/OO-ALC	MIPR/OTH/FFP W/OPT	ARMY/UNKNOWN	Mar-06	Apr-07	Yes		
FY2007(1)	17,001	\$376.44	AFMC/OO-ALC	MIPR/OTH/FFP W/OPT	ARMY/UNKNOWN	Mar-07	Apr-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has FY06 base year with three option years. (2) This flare will be procured through the Single Manager for Conventional Ammunitions beginning in FY06.</p>										
			P-1 ITEM NO 16			PAGE NO: 128	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-48/B - LA31)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$3,254	\$3,280	\$3,280	\$6,400	\$6,810	\$10,610	\$10,822	\$11,034	
<p>Description:</p> <ol style="list-style-type: none"> 1. The MJU-48/B is an infrared countermeasure flare used on F-15 and F-16 fighter aircraft against heat seeking missiles. When used in conjunction with the MJU-47/B flare, the MJU-48/B provides effective defense against modern manpad threats. The flare payload consists of two parts; an infrared flare pellet with integral sequencing mechanism, and an activated metal payload. The forward end of the outer aluminum case contains a cup receptacle for the impulse cartridge BBU-35/B with a crimped/staked end cap at the aft end. 2. This item is procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate. 3. Items requested in FY06 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 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-48/B - LA31)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-48/B - LA31	A	8,217	\$3,254	8,199	\$3,280	8,115	\$3,280	15,670	\$6,400
TOTALS:		8,217	\$3,254	8,199	\$3,280	8,115	\$3,280	15,670	\$6,400

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-48/B - LA31)						
ITEM / 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-48/B - LA31										
FY2004	8,217	\$396.00	AFMC/OO-ALC	SS/FFP W/OPT	ARMTEC/CAMDEN, AR	Sep-04	Apr-05			
FY2005	8,199	\$400.03	AFMC/OO-ALC	SS/FFP	ARMTEC/CAMDEN, AR	Mar-05	Apr-06	Yes		
FY2006(1-2)	8,115	\$404.16	AFMC/OO-ALC	MIPR/FFP W/OPT	ARMY/UNKNOWN	Mar-06	Apr-07	Yes		
FY2007(1)	15,670	\$408.42	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-07	Apr-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has an FY06 base year with three option years. (2) This flare will be procured through the Single Manager for Conventional Ammunition beginning in FY06.</p>										
			P-1 ITEM NO 16			PAGE NO: 131				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-50 - LA19)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$6,250	\$6,300	\$6,300	\$7,500	\$7,900	\$11,400	\$8,924	\$11,548
<p>Description:</p> <ol style="list-style-type: none"> 1. The MJU-50/B is a pyrophoric decoy developed as an advanced infrared countermeasure to defeat advanced-technology missile threats. The MJU-50 is termed a "covert" decoy because of the low-level of visible light it emits during ignition and burn. This flare's light intensity minimizes aircraft exposure to enemy ground monitoring and attack, and does not blind a pilot wearing night vision goggles. The MJU-50 flare was developed for the C-130, and is used on A-10 aircraft and HH-53 and HH-60 helicopters. 2. This item is currently procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate, but will be procured through the Single Manager for Conventional Ammunition (SMCA) beginning in FY06. 3. Items requested in FY06 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 16		PAGE NO: 132		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-50 - LA19)					
PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-50	A	95,463	\$6,249,963	95,252	\$6,299,967	94,283	\$6,299,990	111,078	\$7,499,987
TOTALS:			\$6,249,963		\$6,299,967		\$6,299,990		\$7,499,987
<p>Remarks: Cost information is in actual dollars.</p>									
P-1 ITEM NO 16			PAGE NO: 133			Page 1 of 1			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-50 - LA19)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MJU-50										
FY2004	95,463	\$65.47	AFMC/OO-ALC	MIPR/OPT/FFP W/OPT	NAVY/ALLOY SURFACES/ASTON, PA	Jun-04	Mar-05			
FY2005	95,252	\$66.14	AFMC/OO-ALC	SS/FFP	ALLOY SURFACES/ASTON, PA	Mar-05	Mar-06	Yes		
FY2006(1)	94,283	\$66.82	AFMC/OO-ALC	MIPR/OTH/FFP W/OPT	ARMY/UNKNOWN	Mar-06	Mar-07	Yes		
FY2007	111,078	\$67.52	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-07	Mar-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) This flare will be procured through the Single Manager for Conventional Ammunitions (SMCA) beginning in FY06.</p>										
P-1 ITEM NO 16			PAGE NO: 134			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$53,945	\$34,066	\$15,225	\$14,304	\$18,108	\$32,972	\$27,244	\$33,863
<p>Description:</p> <ol style="list-style-type: none"> 1. All listed items on the following P-40A-IL have a FY06 procurement value of less than \$5,000,000 and are Code A. 2. Items requested in FY06 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-1 ITEM NO 16		PAGE NO: 135		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2005
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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	FY2006		FY2007	
		QTY.	COST	QTY.	COST
ALA-17B FLARE CARTRIDGE (LY12)		6,721	\$3,500	6,720	\$3,500
COMBAT RESCUE AND RECOVERY		4,391	\$2,308	4,404	\$2,384
FLARE SIM M206 (T-3)/B (L448 (LY85))		50,000	\$500	50,000	\$500
LUU-19 (LA05)		1,905	\$1,899	1,885	\$1,900
MJU-52 (DWCO)		66,785	\$1,500	66,079	\$1,500
MJU-53 (LA21)		16,170	\$800	16,000	\$800
MJU-62 (LA36)		20,557	\$4,317	14,285	\$3,000
SIG KIT PRSNL DISTRESS (L119)		2,041	\$180	5,009	\$450
SIG IL GRND GRN STR CLS M125A1 (L314)		4,556	\$220	4,265	\$220
SIGNL,ILL GRN RED STR M158 (L306)				1,117	\$50
TOTALS:			\$15,225		\$14,304

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (OVERVIEW)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$25,473	\$28,100	\$53,176	\$55,952	\$53,927	\$52,279	\$53,410	\$54,194	
<p>Description:</p> <ol style="list-style-type: none"> 1. A bomb fuze is a device for initiating 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-33 Proximity Sensor Fuze, FMU-139C/B Fuze and FMU-152/B Joint Programmable Fuze. 2. Funding increase in FY06 is due to the programmed production ramp-up of the FMU-152/B Joint Programmable Fuze. 3. Items requested in FY06 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 17		PAGE NO: 137		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
FUZES (OVERVIEW)										
DSU-33B/B PROXIMITY SENSOR (BY30)	A	7,078	\$9,248	13,426	\$16,396	5,351	\$6,500	5,301	\$6,500	
FMU-139 C/B FUZE	A	14,135	\$10,912			11,139	\$8,620			
FMU-152/B JOINT PROGRAMMABLE FUZE	A		\$2,003	4,004	\$11,477	13,681	\$35,463	18,470	\$47,602	
ITEMS LESS THAN 5 MILLION DOLLARS	A		\$3,310		\$227		\$2,593		\$1,850	
TOTALS:			\$25,473		\$28,100		\$53,176		\$55,952	
<p>Remarks: Cost information is in thousands of dollars.</p>										
			P-1 ITEM NO 17				PAGE NO: 138			
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (DSU-33B/B PROXIMITY SENSOR)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$9,248	\$16,396	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500
<p>Description:</p> <ol style="list-style-type: none"> 1. The DSU-33B/B is a joint service doppler radar proximity sensor designed to provide airburst capability to warheads using the FMU-139A/B and FMU-152/B fuze. Airburst yields a significant increase in effectiveness for unitary warheads against surface targets such as Surface-to-Air Missiles and Anti-Aircraft Artillery. The DSU-33B/B incorporates several important operational improvements over the DSU-33A/B. These improvements include compatibility with Joint Attack Munition guided weapons, and M117 and MK-80 series general-purpose bombs. The DSU-33B/B also significantly expands the high altitude release capability for bomber attacks. In addition, the DSU-33B/B provides extended operational and service life, as well as increased ruggedness and full compatibility with Navy weapons. 2. Items requested in FY06 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. 3. This item is procured through the Air Armament Center, Eglin AFB. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FUZES (DSU-33B/B PROXIMITY SENSOR)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
DSU-33B/B	A	7,078	\$1,130	\$8,000	13,426	\$1,121	\$15,051	5,351	\$1,010	\$5,405	5,301	\$1,010	\$5,354	
PRODUCTION SUPPORT														
ECO/ECP				\$311			\$496			\$195			\$725	
PROGRAM MANAGEMENT ADMIN				\$209			\$200			\$200			\$196	
CONTRACTOR SUPPORT				\$728			\$650			\$700			\$225	
TOTALS:				\$9,248			\$16,396			\$6,500			\$6,500	
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>Unit cost information is in actual dollars.</p>														
				P-1 ITEM NO 17					PAGE NO: 140					
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (DSU-33B/B PROXIMITY SENSOR)						
ITEM / 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	
DSU-33B/B										
FY2004(1)	7,078	\$1,130	AFMC/AAC	OPT/FFP	ALLIANT/JANESVILLE, WI	Jan-04	Oct-05			
FY2005(1)	13,426	\$1,121	AFMC/AAC	OPT/FFP	ALLIANT/JANESVILLE, WI	Jan-05	Nov-05			
FY2006	5,351	\$1,010	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	Jan-06	Nov-06	Yes		
FY2007	5,301	\$1,010	AFMC/OC-ALC	OPT/FFP	UNKNOWN	Jan-07	Dec-07	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has a FY02 base year with three options.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-139C/B, EC35)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$10,912	\$0	\$8,620	\$0	\$0	\$0	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 1. The FMU-139C/B Fuze is designed for use in low or high drag configured bombs. It is the primary fuze used in general purpose bombs, laser guided bombs, and the Joint Direct Attack Munition. 2. FMU-139C/B Fuze production will be replaced by FMU-152/B production in FY07. However, the Air Force still requires FMU-139C/B Fuze production in FY06 due to large fuze requirements and near-term constraints on FMU-152/B production. 3. Items requested in FY06 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. 4. This item is procured through the Naval Air Systems Command. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FUZES (FMU-139C/B, EC35)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
FMU-139C/B	A	14,135	\$750	\$10,607				11,139	\$774	\$8,620				
NAVY ENGINEERING SUPPORT				\$305										
TOTALS:				\$10,912						\$8,620				
<p>Remarks: Total Cost information is in thousands of dollars. Unit cost is in actual dollars.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (FMU-139C/B, EC35)						
ITEM / 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	
FMU-139C/B										
FY2004(1)	14,135	\$750	AFMC/OO-ALC	MIPR/C/FP W/OPT	NAVY/NAVAL AIR SYSTEMS COMMAND/ALLIANT TECH SYSTEMS, MN	Mar-04	Mar-06			
FY2006	11,139	\$774	AFMC/OO-ALC	OPT/FP	NAVAL AIR SYSTEMS COMMAND/ALLIANT TECH SYSTEMS, MN	Mar-06	Mar-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) The base year is FY04 with an option for FY06.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (JPF)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$2,003	\$11,477	\$35,463	\$47,602	\$46,377	\$45,299	\$46,405	\$47,089	
<p>Description:</p> <ol style="list-style-type: none"> 1. 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. 2. A cockpit programmable fuze is a critical mission requirement, significantly enhancing war-fighter capability. 3. Items requested in FY06 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. 4. This item is procured through the Air Armament Center, Eglin AFB. 									
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FUZES (JPF)									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
HARDWARE					4,004		{ \$9,553 }	13,681		{ \$30,655 }	18,470		{ \$40,583 }	
FMU-152/B FUZE	A				4,004	\$2,386	\$9,553	13,681	\$2,241	\$30,655	18,470	\$2,197	\$40,583	
PRODUCTION SUPPORT														
ECO/ECP				\$643			\$345			\$929			\$1,169	
TOOLING/TEST EQUIPMENT (1)										\$2,126			\$3,947	
CONTRACTOR SUPPORT/GFP				\$1,359			\$1,579			\$1,752			\$1,903	
TOTALS:				\$2,003			\$11,477			\$35,463			\$47,602	
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) Includes funding for a new production facility in FY06 and FY07. A new facility is needed to meet required production rates.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (JPF)						
ITEM / 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										
FY2005	4,004	\$2,386	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ORLANDO , FL	Dec-04	Jan-06			
FY2006	13,681	\$2,241	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ORLANDO , FL	Dec-05	Dec-06	Yes		
FY2007	18,470	\$2,197	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ORLANDO , FL	Dec-06	Dec-07	Yes		
<p>Remarks: Cost information is in actual dollars. Contract has an FY98 base year with 9 option years.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (ITEMS LESS THAN \$5 MILLION)				
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)	\$3,310	\$227	\$2,593	\$1,850	\$1,050	\$480	\$505	\$605
<p>Description:</p> <ol style="list-style-type: none"> 1. 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. 2. Items procured during execution may change based on the most critical equipment needed to support Air Force mission requirements. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: FUZES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
FMU-143 D-2 (CY10)		431	\$1,100	384	\$1,000
FMU 139 C/B (D-2) (G127)		115	\$450	114	\$451
DSU-33A (D-2) PROX INERT (G127)		49	\$200		
FMU-152/B(D-2) (EB93)		674	\$843	313	\$399
TOTALS:			\$2,593		\$1,850
<p>Remarks: Cost information is in thousands of dollars.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (OVERVIEW)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$28,840	\$10,888	\$6,042	\$4,892	\$3,405	\$7,138	\$7,282	\$7,427	
<p>Description:</p> <ol style="list-style-type: none"> 1. This small arms line encompasses small-caliber, hand-fired weaponry (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. 2. FY04 funding includes \$730,000 in supplemental funding. 3. This line also procures various items used for air base defense and ground crew training, including accessories needed to improve or maintain existing weapons. Representative items requested in FY06 are identified on the accompanying P-40A. 4. Representative items requested in FY06 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 18		PAGE NO: 150		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: SMALL ARMS (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE	FY2004		FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SMALL ARMS (OVERVIEW)									
M-9 PISTOL	A	8,080	\$3,636	15,732	\$7,284	9,874	\$4,789	6,688	\$3,304
ITEMS LESS THAN \$5M	A		\$25,204		\$3,604		\$1,253		\$1,588
TOTALS:			\$28,840		\$10,888		\$6,042		\$4,892

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (9-MM PISTOL)					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$3,636	\$7,284	\$4,789	\$3,304	\$1,812	\$6,033	\$6,176	\$6,321	
<p>Description:</p> <ol style="list-style-type: none"> 1. The M9 is the USAF Personal Defense Weapon (PDW), which is a semiautomatic, double-action pistol. Service members, such as law enforcement personnel and aviators, carry the weapon. Assets support unit Operational Plans (OPLAN), and mission readiness. 2. Items requested 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. 									
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: SMALL ARMS (9-MM PISTOL)								
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2004			FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
9MM PISTOL, NSN 1005-01-118-2640	A	8,080	\$450.00	\$3,636	15,732	\$463.00	\$7,284	9,874	\$485.00	\$4,789	6,688	\$494.00	\$3,304
TOTALS:				\$3,636			\$7,284			\$4,789			\$3,304
Remarks: Total Cost information is in thousands of dollars.													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2005			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (9-MM PISTOL)						
ITEM / 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	
9MM PISTOL, NSN 1005-01-118-2640										
FY2004	8,080	\$450.00	AFMC/WR-ALC	MIPR/C/FFP W/OPT	ARMY/BERETTA USA/ACCOKEEK, MD	Aug-04	Jan-05			
FY2005	15,732	\$463.00	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/BERETTA USA/ACCOKEEK, MD	Mar-05	Jun-05	Yes		
FY2006	9,874	\$485.00	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/BERETTA USA/ACCOKEEK, MD	Mar-06	Jun-06	Yes		
FY2007	6,688	\$494.00	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/BERETTA USA/ACCOKEEK, MD	Mar-07	Jun-07	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>FY04 contract is a multiple-year contract with three option years.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2005		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (ITEMS LESS THAN \$5 MILLION))					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	
QUANTITY									
COST (in Thousands)	\$25,204	\$3,604	\$1,253	\$1,588	\$1,593	\$1,105	\$1,106	\$1,106	
<p>Description:</p> <ol style="list-style-type: none"> 1. All items have an annual value of less than \$5M and are Code A. Representative items requested in FY06 are identified on the following P-40A-IL. 2. 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-IL)				DATE: FEBRUARY 2005	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: SMALL ARMS (ITEMS LESS THAN \$5 MILLION))			
PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
NIGHT TELESCOPE (AN/TVS-5) (1)				1,385	\$338
9MM COMPACT PISTOL		16	\$10	15	\$10
9MM GENERAL OFFICER PISTOL		20	\$10	20	\$10
M-24 SNIPER RIFLE		4	\$31	5	\$40
M-4A1 CARBINE (2)		28	\$30	28	\$30
M-4 CARBINE (3)		40	\$60	39	\$59
M107 50-CAL RIFLE		23	\$288	23	\$293
M249 MACHINE GUN		78	\$301	75	\$295
M240B MACHINE GUN		9	\$83	10	\$94
M203 GRENADE LAUNCHER		41	\$30	40	\$30
VIPER II BINOC LASER RG FIND		8	\$99	8	\$101
PVS10		6	\$67	5	\$57

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2005
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: SMALL ARMS (ITEMS LESS THAN \$5 MILLION))
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PROCUREMENT ITEMS	NSN	FY2006		FY2007	
		QTY.	COST	QTY.	COST
NIGHT VISION PVS-4		44	\$224	41	\$213
X4 TELESCOPE		13	\$10	12	\$10
TRIPOD MOUNT		34	\$10	33	\$10
TOTALS:			\$1,253		\$1,588

Remarks:
 Cost information is in thousands of dollars.

(1) For ROTC drill teams
 (2) Fully automatic rifle (used by Special Ops forces)
 (3) 3-burst limited rifle (used by Security Forces)

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