

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

**FISCAL YEARS 2004/2005
BUDGET ESTIMATES**

PROCUREMENT OF AMMUNITION

FEBRUARY 2003

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DEPARTMENT OF THE AIR FORCE
 PROCUREMENT OF AMMUNITION APPROPRIATION ESTIMATES
 FOR FISCAL YEAR 2004/2005

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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, 1,284,725,000 to remain available for obligation until September 30, 2006.

APPN A1 PROCUREMENT OF AMMUNITION
BA A1 AMMUNITION

(DOLLAR VALUES IN TENTHS OF MILLIONS)

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 194 UNIT COST	FY02 QTY	FY02 COST	FY03 QTY	FY03 COST	FY04 QTY	FY04 COST	FY05 QTY	FY05 S COST E C
AMMUNITION											
ROCKETS & LAUNCHERS											
1	ROCKETS	A			30.7		39.9		64.5		49.9 U
	CARTRIDGES										
2	CARTRIDGES	A			108.3		152.9		159.7		159.9 U
AIR DELIVERED WEAPONS											
3	PRACTICE BOMBS	A			52.9		72.1		45.9		54.2 U
4	GENERAL PURPOSE BOMBS	A			120.5		131.7		167.8		281.6 U
5	CAWCF CLOSURE COSTS	A			3.6						U
6	SENSOR FUZED WEAPON	A	400,820	270	108.5	310	124.1	294	117.8	285	117.4 U
7	JOINT DIRECT ATTACK MUNITION	A	21,128	14392	301.0	22873	477.1	20244	427.7	23137	523.3 U
OTHER ITEMS											
8	WIND CORRECTED MUNITIONS	A	28,780	6917	115.0	3262	70.0	2516	72.4	2130	62.3 U
9	CAD/PAD	A			18.0		19.5		20.0		20.4 U
10	EXPLOSIVE ORDINANCE DISPOSAL	A			2.9		2.7		3.2		2.9 U
11	SPARES AND REPAIR PARTS	A			1.1		3.0		3.3		4.4 U
12	MODIFICATIONS <5M	A			0.2		0.2		0.2		0.2 U
13	ITEMS LESS THAN \$5,000,000	A			3.2		1.8		0.3		0.9 U
FLARES											
14	FLARES	A			103.1		133.0		146.2		152.8 U
15	FUZES	A					35.1		36.5		36.6 U

* ITEMS UNDER \$50,000

APPN A1 PROCUREMENT OF AMMUNITION
BA A2 SMALL ARMS

(DOLLAR VALUES IN TENTHS OF MILLIONS)

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 194 UNIT COST	FY02 QTY	FY02 COST	FY03 QTY	FY03 COST	FY04 QTY	FY04 COST	FY05 QTY	FY05 S COST E
SMALL ARMS											
SMALL ARMS											
16	SMALL ARMS	A			2.4		4.1		19.0		10.9 U
TOTAL PROCUREMENT OF AMMUNITION					971.4		1267.2		1284.7		1477.8

* ITEMS UNDER \$50,000

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (OVERVIEW)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$30,691	\$39,879	\$64,494	\$49,851	\$40,051	\$41,380	\$108,307	\$100,186
<p>Description:</p> <ol style="list-style-type: none"> 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 reuseable pods carried on the aircraft's pylons. The 2.75-inch diameter rocket with folding fins utilizes high explosive, white phosphorous, or target practice warheads, and are fired from either high or low speed aircraft. Three versions of the 2.75-inch rocket motor are in use: the MK 4, MK 40 and MK 66. 2. Funding was increased in FY04 to support the war on terrorism. 3. 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 1			PAGE NO: 1			Page 1 of 1	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: ROCKETS (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
2.75 INCH ILLUM (H812)	A	2,424	\$3,000	2,902	\$3,674	6,918	\$9,340	6,579	\$9,330	
2.75 INCH ROCKET MOTOR (HA07)	A	52,506	\$24,732	57,010	\$28,935	66,621	\$34,719	34,200	\$19,711	
2.75 INCH ROCKET FLARE (HA06)	A	2,334	\$2,959	3,099	\$3,928	7,906	\$11,075	8,155	\$12,000	
ITEMS LESS THAN 5 MILLION	A		\$0		\$3,342		\$9,360		\$8,810	
Totals:		57,264	\$30,691	63,011	\$39,879	81,445	\$64,494	48,934	\$49,851	
Remarks:										
P-1 ITEM NO 1			PAGE NO: 2			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ILLUM - H812)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$3,000	\$3,674	\$9,340	\$9,330	\$11,291	\$4,323	\$31,000	\$11,000
<p>Description:</p> <ol style="list-style-type: none"> 1. The 2.75 inch illumination (H812) mates to the 2.75 inch rocket motor (HA07) and deploys a visible spectrum flare that is attached to a parachute for paced descent. This warhead provides standoff capability during night operations when/where target illumination is required. The asset supports Forward Air Control operations. 2. Funding increased to continue replenishment of WRM stockpiles in support of the war on terrorism. 3. This item is procured through the Single Manager for Conventional Ammunition. 								
	P-1 ITEM NO 1			PAGE NO: 3		Page 1 of 1		

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003							
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: ROCKETS (2.75 INCH ILLUM - H812)							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
2.75 INCH ILLUM - H812	A	2,424	1,152.56	2,794	2,902	1,195.62	3,470	6,918	1,312.30	9,078	6,579	1,370.60	9,017	
PRODUCTION SUPPORT				{206}			{204}			{262}			{313}	
PRODUCTION ENGINEERING				115			117			167			183	
PRODUCTION MANAGEMENT SUPPORT				91			87			95			130	
TOTALS:				3,000			3,674			9,340			9,330	
REMARKS:														
				P-1 ITEM NO 1					PAGE NO: 4					
												Page 1 of 1		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ILLUM - H812)						
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 INCH ILLUM - H812										
FY02	2,424	1,152.56	AFMC/OO-ALC	MIPR/OPT/	ARMY/OSC, GDOS - BURLINGTON, VT	MAR 02	MAY 03			
FY03	2,902	1,195.62	AFMC/OO-ALC	MIPR/OPT/	ARMY/OSC, GDOS - BURLINGTON, VT	MAR 03	DEC 03	Y		
FY04	6,918	1,312.30	AFMC/OO-ALC	MIPR/SS/FP W/OPT	ARMY/OSC, GDOS - BURLINGTON, VT	MAR 04	DEC 04	Y		
FY05	6,579	1,370.60	AFMC/OO-ALC	MIPR/OPT/	ARMY/OSC, GDOS - BURLINGTON, VT	MAR 05	DEC 05	Y		
REMARKS: Competitively awarded five year (1999-2003) fixed price requirements contract to General Dynamics Ordnance Systems (GDOS) in June 1999 (basic year 1999 with one-year options in 2000-2003). Contract established fixed prices for each contract line item number (CLIN) by calendar year pricing period and production quantity ranges. Plan is to accomplish the FY 04-05 procurement through a sole-source add-on to the existing contract.										
		P-1 ITEM NO 1			PAGE NO: 5			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET MOTOR - HA07)					
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009	
QUANTITY									
COST (in Thousands)	\$24,732	\$28,935	\$34,719	\$19,711	\$13,450	\$14,912	\$36,257	\$52,136	
<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 (H812), 2.75 inch rocket flare (HA06), 2.75 inch WP Warhead (H855), and 2.75 inch Rocket Head Signature Practice (H872) to their targets. The 2.75" Rocket is used primarily to mark target locations for other aircraft. 2. Funding realigned from FY05 through FY07 to FY03 and FY04 to support the global war on terrorism. 3. This item is procured through the Single Manager for Conventional Ammunition. 									
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET MOTOR - HA07)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		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	52,506	427.42	22,442	57,010	466.75	26,609	66,621	485.42	32,339	34,200	504.83	17,265
PRODUCTION SUPPORT				{2,290}			{2,326}			{2,380}			{2,446}
PRODUCTION ENGINEERING				715			721			741			773
PRODUCTION MANAGEMENT SUPPORT				1575			1605			1639			1673
TOTALS:		52,506		24,732	57,010		28,935	66,621		34,719	34,200		19,711
REMARKS:													
		P-1 ITEM NO 1				PAGE NO: 7					Page 1 of 1		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
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	
FY02	52,506	427.42	AFMC/OO-ALC	MIPR/OPT/	ARMY/OSC, GDOS, BURLINGTON, VT	MAR 02	NOV 03			
FY03	57,010	466.75	AFMC/OO-ALC	MIPR/OPT/	ARMY/OSC, GDOS, BURLINGTON, VT	MAR 03	AUG 03	Y		
FY04	66,621	485.42	AFMC/OO-ALC	MIPR/SS/FP W/OPT	ARMY/OSC, GDOS, BURLINGTON, VT	MAR 04	AUG 04	Y		
FY05	34,200	504.83	AFMC/OO-ALC	MIPR/OPT/	ARMY/OSC, GDOS, BURLINGTON, VT	MAR 05	AUG 05	Y		
REMARKS: Competitively awarded five year (1999-2003) fixed price requirements contract to General Dynamics Ordnance Systems (GDOS) in June 1999 (basic year 1999 with one-year options in 2000-2003). Contract established fixed prices for each Contract Line Item Number (CLIN) by calendar year pricing period and production quantity ranges. Plan is to accomplish the FY04-05 procurement through a sole-source add-on to the existing contract.										
		P-1 ITEM NO 1				PAGE NO: 8		Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET FLARE - HA06)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$2,959	\$3,928	\$11,075	\$12,000	\$7,200	\$13,895	\$30,200	\$26,200
<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. Funding increased to continue replenishment of WRM stockpiles to support the war on terrorism. 3. This item is procured through the Single Manager for Conventional Ammunition. 								
	P-1 ITEM NO 1		PAGE NO: 9			Page 1 of 1		

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET FLARE - HA06)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		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	2,334	1,195.71	2,791	3,023	1,240.75	3,751	7,906	1,361.61	10,765	8,155	1,422.15	11,598
PRODUCTION SUPPORT				{168}			{177}			{310}			{402}
PRODUCTION ENGINEERING				75			80			205			290
PRODUCTION MANAGEMENT SUPPORT				93			97			105			112
TOTALS:				2,959			3,928			11,075			12,000
REMARKS:													
		P-1 ITEM NO 1				PAGE NO: 10				Page 1 of 1			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
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 INCH ROCKET FLARE (HA06)										
FY02	2,334	1,195.71	AFMC/OO-ALC	MIPR/OPT/	ARMY/OSC, GDOS, BURLINGTON, VT	MAR 02	JUN 03			
FY03	3,023	1,240.75	AFMC/OO-ALC	MIPR/OPT/	ARMY/OSC, GDOS, BURLINGTON, VT	MAR 03	DEC 03	Y		
FY04	7,906	1,361.61	AFMC/OO-ALC	MIPR/SS/FP W/OPT	ARMY/OSC, GDOS, BURLINGTON, VT	MAR 04	DEC 04	Y		
FY05	8,155	1,422.15	AFMC/OO-ALC	MIPR/OPT/	ARMY/OSC, GDOS, BURLINGTON, VT	MAR 05	DEC 05	Y		
<p>REMARKS: Competitively awarded five year (1999-2003) fixed price requirements contract to General Dynamics Ordnance Systems (GDOS) in June 1999 (basic year 1999 with one-year options in 2000-2003). Contract established fixed prices for each contract line item number (CLIN) by calendar year pricing period and production quantity ranges. Plan is to accomplish the FY 04-05 procurement through a sole-source add-on to the existing contract.</p>										
		P-1 ITEM NO 1			PAGE NO: 11			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (ITEMS LESS THAN \$5 MILLION)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$0	\$3,185	\$9,360	\$8,810	\$8,110	\$8,250	\$10,850	\$10,850
<p>Description:</p> <ol style="list-style-type: none"> 1. All items have an annual procurement value of 2.75 inch rockets less than \$5,000,000 and are Code A. 2. 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 Single Manager for Conventional Ammunition. 								
	P-1 ITEM NO 1			PAGE NO: 12		Page 1 of 1		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)					DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: ROCKETS (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN	FY2004		FY2005		
		QTY.	COST	QTY.	COST	
WHD 2.75 RKT SMK M156 PD M427 (H855)		7,472	\$4,680	7,404	\$4,690	
2.75 INCH SIGNATURE (H872)		24,639	\$2,780	18,248	\$2,320	
RKT MOTOR GTR-18 (YW33)		17,004	\$1,900	15,816	\$1,800	
TOTALS:			\$9,360		\$8,810	
	P-1 ITEM NO 1		PAGE NO: 13		Page 1 of 1	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$108,327	\$152,907	\$159,746	\$159,909	\$160,403	\$163,495	\$160,617	\$159,845
<p>Description:</p> <p>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).</p> <p>2. Representative items requested in FY04 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 2			PAGE NO: 14			Page 1 of 1	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
20MM TP PGU-27 (AA24)	A	2,210,551	\$15,579	3,933,248	\$23,517	3,185,300	\$19,003	3,434,600	\$20,828	
30MM PGU-15/B (B116)	A	4,082,084	\$45,983	5,483,640	\$61,750	5,163,495	\$58,797	4,849,780	\$56,261	
BBU-35 IMPULSE CARTRIDGE (MG62)	A	4,374,528	\$4,637	6,947,733	\$10,421	8,732,142	\$13,040	8,763,025	\$13,200	
RR-188 TRAINING CHAFF (LY98)	A	3,198,257	\$9,179	2,498,722	\$7,821	4,108,645	\$13,130	3,276,327	\$10,690	
5.56MM FRANGIBLE (AA40)	A	10,215,385	\$2,656	30,192,307	\$7,850	25,242,880	\$8,078	19,158,480	\$6,313	
7.62MM BALL TRACER 9/1 (A168)	A	10,705,866	\$5,800	10,979,794	\$6,052	13,566,300	\$5,816	13,110,110	\$5,878	
ITEMS LESS THAN 5 MILLION DOLLARS	A		\$24,493		\$35,496		\$41,882		\$46,739	
Totals:			\$108,327		\$152,907		\$159,746		\$159,909	
Remarks:										
			P-1 ITEM NO 2				PAGE NO: 15	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$15,579	\$23,517	\$19,003	\$20,828	\$17,318	\$17,609	\$18,100	\$18,000
<p>Description:</p> <p>1. The 20 MM target practice (TP) round is used for air-to-air and air-to-ground training in the M61 aircraft cannon on the 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 (HEI) combat round and ensure training is consistent with combat operations.</p> <p>2. This item is procured through the Army Single Manager for Conventional Ammunition.</p> <p>3. Representative items requested in FY04 are identified on the following P-5. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 2		PAGE NO: 16		Page 1 of 1			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
20MM TP	A			{14,722}			{23,245}			{18,698}			{20,573}
LOAD, ASSEMBLE,PACK		2,210,551	6.66	14,722	3,933,248	5.91	23,245	3,185,300	5.87	18,698	3,434,600	5.99	20,573
PALLET MK 3-0		443	94.32	42	636	103.19	66	525	134.25	70	573	136.77	78
PRODUCTION SUPPORT				{815}			{206}			{235}			{177}
QUALITY ASSURANCE				13			30			85			27
ACCEPTANCE TESTING (1)				527									
INTERIM TRANSPORTATION				1									
INDUSTRIAL STOCK SUPPORT				124			26						
ENGINEERING SUPPORT				150			150			150			150
TOTALS:				15,579			23,517			19,003			20,828
REMARKS: NOTES: (1) Acceptance testing paid in FY02 as one time cost. Supported build of tighter performance band assets used for reference tests in production.													
	P-1 ITEM NO 2						PAGE NO: 17						Page 1 of 1

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
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										
FY01 (1)	712	9.73	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, GENERAL DYNAMICS ORD TAC MARION, IL	MAR 01	MAY 02			
FY02	1,411	6.66	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, ALLIANT TECH SYS, NEW BRIGHTON, MN	AUG 02	DEC 02			
FY02	799	6.66	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, GENERAL DYNAMICS ORD TAC MARION, IL	AUG 02	MAR 03			
FY03	3,933	5.91	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/OSC, UNKNOWN	MAR 03	MAR 04	Y		
FY04	3,185	5.87	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/OSC, UNKNOWN	MAR 04	MAR 05	Y		
FY05	3,435	5.99	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, UNKNOWN	MAR 05	MAR 06	Y		
REMARKS: NOTES: (1) General Dynamics purchased Primex and its contracts. FY01 contract was originally awarded to Primex. (2) Quantity in thousands.										
		P-1 ITEM NO 2				PAGE NO: 18				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$45,983	\$61,750	\$58,797	\$56,261	\$58,657	\$61,990	\$59,000	\$59,000
<p>Description:</p> <ol style="list-style-type: none"> 1. The 30MM target practice (TP) cartridge is a solid, inert projectile used to train aircrews 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. This item is procured through the Single Manager for Conventional Ammunition. 3. Representative items requested in FY04 are identified on the following P-5. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements. 								
	P-1 ITEM NO 2			PAGE NO: 19			Page 1 of 1	

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
30MM TP	A			{45,569}			{61,619}			{58,734}			{56,201}
LOAD, ASSEMBLE, PACK		4,082,084	10.50	42,862	5,483,640	10.43	57,194	5,163,495	10.65	54,991	4,849,780	10.85	52,620
CONTAINER CNU-332E		7,348	93.83	689	9,871	90.43	893	9,295	89.85	835	8,730	91.53	799
TUBE AND STRAP ASSEMBLY		7,348	274.59	2,018	9,871	357.86	3,532	9,295	312.82	2,908	8,730	318.69	2,782
PRODUCTION SUPPORT				{414}			{131}			{63}			{60}
QUALITY ASSURANCE				44			45			63			60
INTERIM TRANSPORTATION				4									
INDUSTRIAL STOCK SUPPORT				366			86						
TOTALS:				45,983			61,750			58,797			56,261
REMARKS:													

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)	DATE: FEBRUARY 2003
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)
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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									
FY01	2172	10.08	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/OSC, GENERAL DYNAMICS ORD, MARION ILL	MAR 01	FEB 03		
FY01	2635	10.08	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/OSC, ALLIANT TECH SYS, NEW BRIGHTON, MN	MAR 01	FEB 03		
FY02	4,082	10.50	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, UNKNOWN	JUL 03	MAY 04	Y	
FY03	5,483	10.43	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, UNKNOWN	JUL 03	MAY 04	Y	
FY04	5,163	10.65	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/OSC, UNKNOWN	MAR 04	FEB 05	Y	
FY05	4,849	10.85	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/OSC, UNKNOWN	MAR 05	FEB 06	Y	

REMARKS:

1. Quantity in thousands.
2. Production of this asset was stopped at General Dynamics and Alliant Tech facilities fall FY02 due to abnormal firing incidents. Investigation identified production quality problems as the root cause. Actions taken to improve quality are:
 - A. OO-ALC/WM updated the item specification and technical data package to enhance production and testing requirements.
 - B. Beginning with FY02 contracts two percent testing of all lots will take place at Eglin Air Force Base test range before government acceptance takes place.
3. General Dynamics and Alliant Tech resumed production of PGU-15 in Dec 02.
4. Sufficient production rate reserve provides both contractors with means to mitigate backlog situations.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (BBU-35 IMP CART, MG62)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$4,637	\$10,421	\$13,040	\$13,200	\$16,500	\$13,500	\$13,700	\$13,700
<p>Description:</p> <ol style="list-style-type: none"> 1. The BBU-35/B impulse cartridge is used on the RR-170/RR-188 chaff, and advanced flares. When fired, the BBU-35/B impulse cartridge produces sufficient gas pressure to deploy chaff or deploy and ignite flares from the aircraft dispenser. The Air Force is transitioning from the M796 to the BBU-35/B. 2. This item is procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate. 3. Representative items requested in FY 2004 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. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (BBU-35 IMP CART, MG62)						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
BBU-35/B IMPULSE CARTRIDGE	A	4,374,528	\$4,637	6,947,733	\$10,421	8,732,142	\$13,040	8,763,025	\$13,200	
Totals:			\$4,637		\$10,421		\$13,040		\$13,200	
Remarks:										
			P-1 ITEM NO 2				PAGE NO: 23			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (BBU-35 IMP CART, MG62)						
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	
BBU-35/B IMPULSE CARTRIDGE										
FY02	4,374	1.06	AFMC/OO-ALC	C/FP	TECH ORD; ST BONIFACIUS, MIN	JUL 02	FEB 03			
FY03	6,947	1.50	AFMC/OO-ALC	C/IDIQ	UNKNOWN	JUL 03	FEB 04	Y		
FY04	8,732	1.50	AFMC/OO-ALC	OPT/FP	UNKNOWN	JUL 04	FEB 05	Y		
FY05	8,763	1.50	AFMC/OO-ALC	OPT/FP	UNKNOWN	JUL 05	FEB 06	Y		
REMARKS: (1) Quantity in thousands. (2) Unit price increases after FY02 are a result of competitive contract cost estimates.										
		P-1 ITEM NO 2				PAGE NO: 24		Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (RR-188 CHAFF)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$9,179	\$7,821	\$13,130	\$10,690	\$10,780	\$10,870	\$11,000	\$11,000
<p>Description:</p> <p>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.</p> <p>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.</p> <p>3. This item is procured through the Navy. All prices are provided by the Navy.</p> <p>4. Representative items requested in FY04 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (RR-188 CHAFF)					
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
RR-188 CHAFF	A	3,198,257	\$9,179	2,498,722	\$7,821	4,108,645	\$13,130	3,276,327	\$10,690	
Totals:			\$9,179		\$7,821		\$13,130		\$10,690	
Remarks:										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (RR-188 CHAFF)						
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										
FY02	3,198	2.87	AFMC/OO-ALC	MIPR/C/FP	NAVY, BAE SYSTEMS INC	AUG 02	OCT 02			
FY03	2,498	3.13	AFMC/OO-ALC	MIPR/C/FP	NAVY, UNKNOWN	MAR 03	JAN 04	Y		
FY04	4,108	3.20	AFMC/OO-ALC	MIPR/C/FP	NAVY, UNKNOWN	MAR 04	JAN 05	Y		
FY05	3,276	3.26	AFMC/OO-ALC	MIPR/C/FP	NAVY, UNKNOWN	MAR 05	JAN 06	Y		
REMARKS: Quantity in thousands.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (5.56 FRANG_AA40)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$2,656	\$7,850	\$8,078	\$6,313	\$4,830	\$6,055	\$4,123	\$3,851
<p>Description:</p> <ol style="list-style-type: none"> 1. 5.56mm frangible ammunition is used in M-16 series rifles. It is the preferred 5.56mm training round for Air Force personnel. The lead-free propellant, primer and projectile characteristics reduce range cleanup costs. 2. This item is procured through the Marines. 3. Representative items requested in FY04 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. 4. Procurement of this item increased FY03-FY05 due to training need associated with the war on terrorism. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (5.56 FRANG_AA40)						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
5.56 FRANG	A	12,409,639	\$2,656	28,606,246	\$7,850	25,242,880	\$8,078	19,158,480	\$6,313	
Totals:			\$2,656		\$7,850		\$8,078		\$6,313	
Remarks:										
			P-1 ITEM NO 2				PAGE NO: 29			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (5.56 FRANG_AA40)						
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	
5.56 FRANG										
FY02	12,410	0.25	AFMC/OO-ALC	MIPR/C/IDIQ	MARINE CORPS, FEDERAL ARMS, ANOKA, MN	FEB 03	OCT 04			
FY03	28,606	0.25	AFMC/OO-ALC	MIPR/OPT/FP	MARINE CORPS, FEDERAL ARMS, ANOKA, MN	FEB 03	OCT 04			
FY04	25,243	0.32	AFMC/OO-ALC	MIPR/OPT/FP	MARINE CORPS, UNKNOWN	APR 04	OCT 05	Y		
FY05	19,158	0.33	AFMC/OO-ALC	MIPR/OPT/FP	MARINE CORPS, UNKNOWN	APR 05	OCT 06	Y		
REMARKS: (1) Quantities are in thousands. (2) USMC had a contract in FY02 and tried to option the contract adding AF procurement which led to a protest by other vendors. The protest was resolved and contractor proposals were received for the FY02 contract in Jan 03. FY03 contract will include both FY02 and FY03 quantities within solicitation.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (7.62MM -A168)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$5,800	\$6,052	\$5,816	\$5,878	\$6,520	\$6,551	\$6,700	\$6,600
<p>Description:</p> <p>Description:</p> <ol style="list-style-type: none"> 1. The 7.62mm round is procured to enhance airbase force protection and allow Force Protection, Pararescue, Tactical Control Party and RED HORSE forces to meet annual Air and Space Expeditionary Force weapon qualification requirements on the M-60 machine gun. 2. This item is procured through the Single Manager for Conventional Ammunition. 3. Representative items requested in FY04 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 2003							
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: CARTRIDGES (7.62MM -A168)							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
7.62MM BALL TRACER														
COMPLETE ROUND		10705866	0.53	5,674	10979794	0.54	5,929	13566300	0.42	5,698	13110110	0.44	5,768	
PRODUCTION SUPPORT				{126}			{123}			{118}			{110}	
PRODUCTION ENGINEERING				100			100			112			104	
QUALITY ASSURANCE				5.2			15			6			6	
INTERIM TRANSPORTATION				15										
INDUSTRIAL STOCK SUPPORT				6			8							
TOTALS:				5,800.2			6,052			5,816			5,878	
REMARKS:														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (7.62MM -A168)						
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	
7.62MM BALL TRACER										
FY02	10,705	0.53	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, ALLIANT TECH (LCAAP) INDEPENDENCE, MO	JAN 02	OCT 02			
FY03	10,979	0.54	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, ALLIANT TECH (LCAAP) INDEPENDENCE, MO	JAN 03	OCT 03			
FY04	13,566	0.42	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, ALLIANT TECH (LCAAP) INDEPENDENCE, MO	JAN 04	OCT 04	Y		
FY05	13,110	0.44	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, ALLIANT TECH (LCAAP) INDEPENDENCE, MO	JAN 05	OCT 05	Y		
REMARKS: Single Manager for Conventional Ammunition combines AF procurement with Foreign Military Sales and other service procurements of this item. Unit prices are dependent on the combined quantity.										
		P-1 ITEM NO 2				PAGE NO: 33		Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$24,493	\$35,496	\$41,882	\$46,739	\$45,798	\$47,416	\$47,994	\$47,694
<p>Description:</p> <ol style="list-style-type: none"> 1. All items have an annual procurement of less than \$5M and are Code A. Representative items requested in FY04 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. 								
	P-1 ITEM NO 2			PAGE NO: 34			Page 1 of 1	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2004		FY2005	
		QTY.	COST	QTY.	COST
5.56MM BALL M193 (A071)		12,250,703	\$2,889	18,842,543	\$4,099
5.56MM BLANK (A080)		2,092,913	\$222	5,782,834	\$620
5.56MM NATO BALL CLIPPED (A059)		4,113,273	\$1,392	4,378,566	\$1,500
5.56MM 4-1 TRACER (SAW) (A064)		2,304,558	\$760	3,148,762	\$1,050
5.56MM BALL (A066)		511,764	\$174	501,529	\$178
5.56MM SAW (A062)		1,296,887	\$756	4,164,270	\$2,022
5.56MM SAW BLANK (A075)		3,741,833	\$862	2,806,656	\$802
6 MM BLANK (AA32)		120,500	\$47	117,500	\$47
7.62MM SP BALL M118 (AA11)		785,680	\$385	1,735,120	\$885
7.62MM BALL DIM TRACER (A257)		474,981	\$279	376,785	\$229
7.62MM BALL M80 LINKED/M13 (A143)		9,602,817	\$4,451	12,193,916	\$5,470
7.62MM LINKED (A164)		3,125,000	\$2,450	3,038,825	\$2,450
12 GAUGE DUMMY (AA55)				1,000	\$2
12 GU BEAN BAG (AA29)		2,222	\$8	1,902	\$7
12 GAUGE BIRDSCARE (AY04)		25,500	\$22	25,000	\$22
15MM BANGER (LA13)		58,900	\$23	57,500	\$23
15MM SCREAMER (LA12)		58,900	\$23	57,500	\$23
9MM BALL (A363)		6,368,056	\$685	8,829,420	\$955
		P-1 ITEM NO 2			PAGE NO: 35
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2004		FY2005	
		QTY.	COST	QTY.	COST
9MM BALL FRANGABLE (AA16)		7,569,911	\$3,060	9,862,475	\$4,026
40MM CARTRIDGE PRACTICE M (B576)		42,381	\$1,550	42,073	\$1,580
40MM CARTRIDGE AGT CS XM6 (B567)		21,632	\$510		
40MM TP M918 LINKED F/MK19 (B584)		4,459	\$112	23,833	\$493
81MM HE (C868)		7,716	\$1,742	2,896	\$654
40MM CARTRIDGE PRACTICE (B519)		141,431	\$821	286,396	\$1,600
81MM CARTRIDGE SMOKE M853A1 (C871)		1,623	\$1,031	1,179	\$740
.45 CAL BALL WAD (A482)		11,677	\$9	42,774	\$33
81MM RP (C870)		276	\$130	273	\$130
.45 CAL BALL (MATCH GRADE) (A483)		107,223	\$28	118,052	\$33
.50 CAL BALL/TCR LKD M2/M9 (A557)		894,023	\$1,610	1,179,385	\$2,220
.50 CAL BALL LINK (A555)		182,897	\$302	168,221	\$300
.50 CAL BALL BLANK (A598)		17,845	\$15	29,838	\$24
12 GAUGE BUCKSHOT (A011)				162,838	\$56
BBU-46 IMPULSE CARTRIDGE (MT40)		8,421	\$1,116	8,016	\$1,073
CCU-41 IMPULSE CARTRIDGE (MF60)		25,623	\$110	14,105	\$60
ARD 446-1/B IMPULSE CARTRIDGE (WB33)		33,000	\$200	81,000	\$500
ARD 863-1A1W IMPULSE CARTRIDGE (M189)		641,000	\$2,500	626,000	\$2,500
		P-1 ITEM NO 2			PAGE NO: 36
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN	FY2004		FY2005	
		QTY.	COST	QTY.	COST
XM1006 (40MMNL) (BA06)		7,166	\$130	7,034	\$130
MK-107 IMPULSE CARTRIDGE (M943)		12,508	\$2,500	9,816	\$2,000
BBU-63/B IMPULSE CARTRIDGE (SS44)		1,728	\$400	1,568	\$380
BBU-48 IMPULSE CARTRIDGE (SS27)		138,240	\$1,000	133,920	\$1,000
SIGNAL CXU-3A/B (COLD) (F470)		117,788	\$1,150	161,081	\$1,600
SIGNAL MK-4 MOD 3 (F562)		348,000	\$1,800	493,641	\$2,600
MK84 STUN GRENADE (GG09)		40,600	\$2,030		
BBU-36 IMPULSE CARTRIDGE (MG11)		962,222	\$2,598	953,818	\$2,623
TOTALS:			\$41,882		\$46,739
	P-1 ITEM NO 2		PAGE NO: 37		Page 3 of 3

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (OVERVIEW)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$52,945	\$72,057	\$45,909	\$54,250	\$55,149	\$55,271	\$54,900	\$54,900
<p>Description:</p> <p>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.</p> <p>2. Representative items requested in FY04 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
MK82 INERT/BDU-50 (F013)	A	34,372	\$26,112	56,471	\$43,319	36,583	\$25,710	37,206	\$26,050	
BDU-33 25LB PRACTICE BOMB (E969)	A	422,912	\$6,788	454,741	\$8,848	524,083	\$9,786	648,750	\$12,141	
MK84 EMPTY / BDU-56 (E756)	A	8,327	\$19,045	7,793	\$18,890	4,256	\$9,413	6,794	\$14,991	
ITEMS LESS THAN \$5M (1)	A		\$1,000		\$1,000	452,480	\$1,000	525,952	\$1,068	
Totals:			\$52,945		\$72,057		\$45,909		\$54,250	
Remarks:										
<p>(1) In FY03 Congress added \$1,000,000 to the munitions appropriation for Technical Data Package development on Cast Ductile Iron bomb bodies for BDU-56 series. Reference FY03 Appropriation Conference 107-732, p 213.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$26,112	\$43,319	\$18,940	\$26,017	\$26,410	\$26,760	\$27,000	\$27,000
<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. It is filled with a combination of concrete, vermiculite and sand. The BDU-50 simulates the drop trajectory of a live MK-82. 2. This item is procured through the Single Manager for Conventional Ammunition. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)								DATE: FEBRUARY 2003					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT								P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)					
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		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	34,372	748.02	{25,711}	56,471	751.25	{42,424}	26,736	687.15	{18,368}	37,103	700.02	{26,012}
LOAD, ASSEMBLE AND PACK		34,372	89.61	3,080	56,471	66.71	3,767	26,736	69.37	1,855	37,103	70.67	2,622
BOMB BODY BDU-50A/B (1) (2)		35,404	603.26	21,358	58,166	622.67	36,218	27,542	558.00	15,368	38,256	568.49	21,748
SUSP LUG MS3314 (1) (2)		72,182	14.93	1,078	118,590	17.03	2,020	54,785	16.92	927	78,733	17.23	1,357
PALLET INSPECTION, MHU 149/E		5,844	33.32	195	9,601	43.65	419	4,930	44.12	218	6,346	44.94	285
PRODUCTION SUPPORT				{401}			{895}			{572}			{5}
QUALITY ASSURANCE (3)				5			6			3			5
INTERIM TRANSPORTATION (4)				33									
INDUSTRIAL STOCK SUPPORT(5)				221			61						
NAVY ENGINEERING SUPPORT				142			828			569			
TOTALS:				26,112			43,319			18,940			26,017
REMARKS:													
(1) Unit costs are Army supplied. FY02 unit cost is the actual cost. FY03 unit costs use an FY01 base year.													
(2) Three percent more bomb bodies and lugs are procured for defects.													
(3) Quality assurance costs consist of funding SMCA personnel for travel to production facilities.													
(4) Interim transportation, which funds transportation under the CAWCF, does not apply to FY03 and beyond.													
(5) Industrial stock support, which funds new production under CAWCF, does not apply to FY04 and beyond.													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
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										
FY01	12,104	771.42	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	MAR 01	JUL 03			
FY02	34,372	748.02	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	APR 02	SEP 03			
FY03	56,471	751.25	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	MAR 03	AUG 05	Y		
FY04	26,736	687.15	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	JAN 04	JAN 06	Y		
FY05	37,103	700.02	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	JAN 05	SEP 06	Y		
REMARKS: (1) Intercontinental manufacturing Company (IMCO), Garland, TX, produces the bomb bodies. McAlester Army Ammunition Plant (MCAAP) Loads, Assembles and Packs (LAP) the bombs. (2) Award dates are for LAP performed at MCAAP.										
		P-1 ITEM NO 3			PAGE NO: 42			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-33/25 LB PRACTICE BOMB - E969)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$6,788	\$8,848	\$15,856	\$12,108	\$12,419	\$11,985	\$12,300	\$12,300
Description: 1. The 25 pound BDU-33 practice bomb provides the combat air forces with a low cost, inert munition to facilitate aircrew weapons delivery training. 2. This item is procured through the Single Manager for Conventional Ammunition.								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003							
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-33/25 LB PRACTICE BOMB - E969)							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
BDU-33D/B (1)	A	422,912	15.91	6,729	454,741	19.08	8,676	854,700	18.36	15,692	646,980	18.71	12,105	
PRODUCTION SUPPORT				{59}			{172}			{164}			{3}	
QUALITY ASSURANCE (2)				5			5			4			3	
ENGINEERING SUPPORT (3)							153			160				
INDUSTRIAL STOCK SUPPORT (4)				54			14							
TOTALS:				6,788			8,848			15,856			12,108	
REMARKS: (1) Unit costs are Army supplied. FY02 unit cost is the actual cost. FY03 unit costs use an FY01 base year. (2) Quality assurance consists of funding for SMCA personnel to travel to production facilities. (3) FY05 engineering support is not charged since it is recovered within another program. (4) Industrial stock support, which funds new production under the CAWCF, does not apply to FY04 and beyond.														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-33/25 LB PRACTICE BOMB - E969)						
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	
BDU-33D/B										
FY01	427422	16.91	AFMC/OC-ALC	MIPR/SS/FP	ARMY/OSC, DELFASCO; GREENVILLE, TENN	JUL 01	MAY 02			
FY02	422912	15.91	AFMC/OC-ALC	MIPR/C/FP	ARMY/OSC, DELFASCO; GREENVILLE, TENN	MAY 02	JUN 03			
FY03	454741	19.08	AFMC/OC-ALC	MIPR/OPT/FP	ARMY/OSC, UNKNOWN	MAR 03	MAY 04	Y		
FY04	854700	18.36	AFMC/OC-ALC	MIPR/OPT/FP	ARMY/OSC, UNKNOWN	MAR 04	MAY 05	Y		
FY05	646980	18.71	AFMC/OC-ALC	MIPR/OPT/FP	ARMY/OSC, UNKNOWN	MAR 05	MAY 06	Y		
REMARKS: FY03 unit cost estimate is based on potential increased steel prices. Actual unit price may differ.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56/B - E756)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$19,045	\$18,890	\$10,113	\$15,146	\$15,200	\$15,396	\$15,600	\$15,600
<p>Description:</p> <ol style="list-style-type: none"> 1. The BDU-56 is a 2000-pound, non explosive training shape used to provide combat forces with aircrew weapons delivery training. It is filled with concrete, vermiculite and sand. The BDU-56 simulates the drop trajectory of a live MK-84. 2. This item is procured through the Single Manager for Conventional Ammunition. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)								DATE: FEBRUARY 2003					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT								P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56/B - E756)					
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
BDU-56/B	A	8,327	2,190.02	{18,727}	7,793	2,336.17	{18,674}	4,580	2,113.12	{9,920}	6,780	2,152.81	{14,944}
LOAD, ASSEMBLE AND PACK		8,327	266.21	2,217	7,793	373.01	2,907	4,580	385.39	1,765	6,780	392.63	2,662
BOMB BODY-56/B W/O PLUMBING (1) (2)		8,578	1,819.75	15,610	8,028	1857.95	14,916	4,722	1627.91	7,687	6,978	1658.49	11,573
LUG SUSP MK3 (1) (2)		17,487	37.34	653	16,366	37.59	615	9,440	34.70	328	13,956	35.35	493
PALLET INSPECTION MK79		4,206	58.75	247	3,936	60.05	236	2,300	60.84	140	3,489	61.98	216
PRODUCTION SUPPORT				{318}			{216}			{193}			{202}
QUALITY ASSURANCE (3)				5			5						
INTERM TRANSPORTATION SUPPORT (4)				24									
INDUSTRIAL STOCK SUPPORT (5)				161			27						
NAVY ENGINEERING SUPPORT				128			184			193			202
TOTALS:				19,045			18,890			10,113			15,146
REMARKS:													
(1) Unit costs are Army supplied. FY02 unit cost is the actual cost. FY03 unit costs use an FY01 base year. (2) Three percent more bomb bodies and lugs are procured to account for defects. (3) Quality assurance consists of funding SMCA personnel to travel to production facilities. Quality assurance costs are not being charged after FY03. (4) Interim transportation, which funds transportation under the CAWCF, does not apply to FY03 and beyond. (5) Industrial stock support, which buys new production under the CAWCF, does not apply to FY04 and beyond.													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56/B - E756)						
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	
BDU-56/B										
FY01	7,936	2,019.54	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	MAR 01	DEC 03			
FY02	8,327	2,190.02	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	APR 02	JUN 04			
FY03	7,793	2,336.17	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	MAR 03	OCT 04	Y		
FY04	4,580	2,113.12	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	JAN 04	SEP 05	Y		
FY05	6,780	2,152.81	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, MCAAP; MCALESTER, OK	JAN 05	SEP 06	Y		
REMARKS: (1) Intercontinental Manufacturing Company (IMCO), Garland, TX, produces the bomb bodies. McAlester Army Ammunition Plant (MCAAP) Loads, Assembles and Packs (LAP) the bombs. (2) Award dates are for Load, Assemble and Pack (LAP) performed at MCAAP.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION PRACTICE BOMBS				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$1,000	\$1,000	\$1,000	\$1,068	\$1,120	\$1,130	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 1. All items have a procurement value of less than \$5,000,000 and are code A. Representative items requested in FY04 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. 3. In FY03 Congress added \$1,000,000 to the munitions appropriation for Technical Data Packages on Cast Ductile Iron bomb bodies for BDU-56 series. Reference FY03 Appropriation Conference 107-732, p213. 								
	P-1 ITEM NO 3		PAGE NO: 49		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION PRACTICE BOMBS			
PROCUREMENT ITEMS	NSN	FY2004		FY2005	
		QTY.	COST	QTY.	COST
BDU-33 LUG		452,480	\$1,000	525,952	\$1,068
TOTALS:			\$1,000		\$1,068
	P-1 ITEM NO 3		PAGE NO: 50		Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (OVERVIEW)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$160,507	\$131,664	\$167,834	\$281,587	\$246,343	\$188,713	\$266,742	\$324,920
<p>Description:</p> <p>1. The General Purpose (GP) Bombs category includes all high explosive air delivered bombs and associated fuzes, fins, and guidance kits. The warfighter delivers these munitions via fighter or bomber aircraft in support of both training and wartime contingency taskings. GP Bombs can be used as either unguided weapons or as guided munitions after the installation of a guidance and control kit.</p> <p>2. MAU-169H/B was funded with \$40M DERF in FY02. FY02 total includes \$40M DERF.</p> <p>3. Representative items requested in FY04 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
MK-84 2000 LB GP BOMB (F275)	A	6,703	\$36,761	6,199	\$35,640	6,831	\$41,035	11,988	\$73,842	
BLU-109/B PENETRATOR (F140)	A	1,771	\$25,234	707	\$9,850	732	\$9,688	3,007	\$39,888	
BLU-110 1000 LB GP BOMB (EB28)	A	761	\$5,441	598	\$5,300	731	\$5,300	778	\$5,800	
MXU-650 FIN ASSEMBLY (F763)	A	3,779	\$17,269	5,963	\$24,658	6,671	\$29,009	8,880	\$39,431	
MAU-169H/B PAVEWAY II GCU (EA65) (1)	A	4,197	\$40,000	4,853	\$45,760	7,150	\$68,232	9,625	\$94,409	
ITEMS LESS THAN 5 MILLION GP BOMBS	A		\$35,802		\$10,456		\$14,570		\$28,217	
Totals:			\$160,507		\$131,664		\$167,834		\$281,587	
Remarks: (1) MAU-169H/B was funded with \$40M DERF in FY02. FY02 total includes \$40M DERF.										
		P-1 ITEM NO 4				PAGE NO: 52		Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$36,761	\$35,640	\$41,035	\$73,842	\$74,070	\$65,342	\$79,800	\$94,800
<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 (JDAM) weapon systems. The MK-84 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects. 2. The Air Force has shifted priorities to increase MK-84 procurement to keep pace with JDAM and LGB kit production. 3. This item is procured through the Single Manager for Conventional Ammunition. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)								DATE: FEBRUARY 2003					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT								P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB)					
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		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	6,703	5,380.31	{36,290}	6,199	5,607.21	{35,386}	6,831	5,954.55	{40,822}	11,998	6,058.89	{73,627}
LOAD ASSEMBLE & PACK		6,703	1,241.90	8,324	6,199	1,248.15	7,737	6,831	1722.45	11,766	11,998	1,754.81	21,054
BOMB BODY MK84-4 (1)(2)		6,904	2,111.73	14,579	6,379	2,412.61	15,390	7035	2029.45	14,277	12,357	2,067.57	25,549
LUG SUSP MK3 (1) (2)		10,414	37.33	389	13,844	37.58	520	14,593	34.69	506	23,145	35.35	818
PALLET INSPECTION MK79		2,505	58.75	147	3,329	157.00	523	3,510	157.00	551	5,561	157.00	873
PALLET MK79		2,505	159.51	400	3,329	60.04	200	3,510	60.84	214	5,561	61.98	345
TNT TYPE 1 FLAKE (LB) (3) (7)		5,965,125	1.92	11,453	4,898,286	1.93	9,454	5,163,455	2.32	11,979	9,362,724	2.36	22,096
ALUMINUM POWDER (LB)		932,292	1.07	998	1,239,296	1.26	1,562	1,306,412	1.17	1,529	2,410,068	1.20	2,892
PRODUCTION SUPPORT				{252}			{56}			{5}			{5}
QUALITY ASSURANCE (4)				5			5			5			5
INTERIM TRANSPORTATION (5)				28									
INDUSTRIAL STOCK SUPPORT (6)				219			51						
NAVY ENGINEERING SUPPORT				219			198			208			210
TOTALS:				36,761			35,640			41,035			73,842
REMARKS:													
(1) FY02 unit cost is the actual cost. FY03 unit costs use an FY01 base year. (2) Three percent more bomb bodies and lugs are procured to account for defects. (3) FY02 TNT unit cost based on TNT reclaim cost. FY04/05 TNT unit cost is based on an FY02 base year. (4) Quality assurance consists of funding for OSC personnel to travel to production facilities. (5) Interim transportation, funds transportation under CAWCF and does not apply after FY03. (6) Industrial stock support funds materiel management under CAWCF and does not apply after FY04. (7) The Army is soliciting a North American commercial contract for TNT to be in place by 1 April 2003.													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MK-84 2000 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	
MK-84 2000 LB GP BOMB										
FY02	6,703	5,380.31	AFMC/OO-ALC	MIPR/SS/FFP	ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OK	AUG 02	AUG 03			
FY03	6,199	5,607.21	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OK	MAR 03	JUN 04			
FY04	6,831	5,954.55	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OK	JAN 04	AUG 05	Y		
FY05	11,998	6,058.89	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OK	JAN 05	AUG 06	Y		
<p>REMARKS:</p> <p>(1) Intercontinental Manufacturing Company, Garland, TX produces the bomb bodies. MCalester Army Ammunition Plant Loads Assembles and Packs (LAP) the bombs.</p> <p>(2) The Army, Operations Support Command, Rock Island, IL, is soliciting proposals for a North American commercial contract for TNT supply to be in place by 1 April 2003.</p> <p>(3) FY02 contract award was delayed from April 02 to Aug 02 to accomodate additional bomb procurement inputs. This contract was a single year contract with no options.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$25,234	\$9,850	\$9,688	\$39,888	\$32,088	\$32,088	\$20,700	\$47,830
<p>Description:</p> <ol style="list-style-type: none"> 1. The BLU-109 warhead is a 2,000-pound hard target penetrator bomb. It is a penetration weapon used against bunkers, aircraft shelters, and reinforced concrete structures. The warhead is used on the GBU-10, 24, and 27 and on Joint Direct Attack Munition (JDAM) weapon systems. 2. The Air Force has shifted priorities to increase BLU-109 procurement to keep pace with JDAM and LGB kit production. 3. This item is procured through the Single Manager for Conventional Ammunition. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
BLU-109	A	1,771	14,187.76	{24,936}	707	13,688.76	{9,622}	732	12,942.80	{9,612}	3,007	13,167.50	{39,813}
LOAD ASSEMBLE & PACK		1,771	2,622.85	4,645	707	4,045.36	2,860	732	2,449.17	1,793	3,007	2,495.18	7,503
BOMB BODY BLU-109 (1) (2)		1,825	9,763.12	17,818	728	7,965.96	5,799	754	8,777.95	6,619	3,097	8,942.85	27,696
CNU 417 CONTAINER		898	742.05	666	355	758.46	269	379	897.42	340	1,424	914.27	1,302
TNT TYPE I FLAKE (LB) (3) (7)		820,320	1.92	1,575	309,300	1.93	597	329,120	2.32	764	1,245,940	2.36	2,940
ALUMINUM POWDER (LB)		216,680	1.07	232	77,210	1.26	97	82,280	1.17	96	309,760	1.20	372
PRODUCTION SUPPORT				{298}			{78}			{69}			{69}
QUALITY ASSURANCE (4)				63			65			69			69
INTERIM TRANSPORTATION (5)				28									
INDUSTRIAL SUPPORT STOCK (6)				207			13						
PRODUCTION ENGINEERING							150			7			6
TOTALS:				25,234			9,850			9,688			39,888
REMARKS:													
(1) FY02 unit cost is the actual cost and FY03 costs use an FY01 base year. FY04/05 unit prices are based on competitive contract estimates. (2) Three percent more bomb bodies are procured to account for defects. (3) FY02 TNT unit cost is based on TNT reclaim cost. FY04/05 TNT unit cost is based on an FY02 base year. (4) Quality assurance consists of funding for Army personnel to travel to production facilities. (5) Interim transportation, funds transportation under CAWCF and does not apply after FY03. (6) Industrial stock support, funds materiel management under the CAWCF and does not apply after FY04. (7) The Army is soliciting a North American commercial contract for TNT to be in place by 1 April 2003.													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
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										
FY02	1,771	14187.76	AFMC/OO-ALC	MIPR/SS/FFP	ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OK	AUG 02	MAR 04			
FY03	707	13688.76	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/OSC,TBD	MAR 03	OCT 04	Y		
FY04	732	12942.80	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/OSC, TBD	MAR 04	OCT 05	Y		
FY05	3,007	13167.50	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/OSC, TBD	MAR 05	OCT 06	Y		
REMARKS: 1. The Army, Operations Support Command, Rock Island, IL, is soliciting proposals for a North American commercial contract for TNT supply to be in place by 1 April 2003. 2. National Forge Company, Irvine, PA produces the bomb bodies. MCALESTER Army Ammunition Plant Loads Assembles and Packs (LAP) the bombs.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: BLU-110B/B 1000 LB GP BOMB (EB28)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$5,441	\$5,300	\$5,300	\$5,800	\$6,000	\$7,920	\$23,100	\$10,700
<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 (JDAM) weapon system when it is fielded in FY04. 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. This item is procured through the Single Manager for Conventional Ammunition. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)								DATE: FEBRUARY 2003					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT								P-1 NOMENCLATURE: BLU-110B/B 1000 LB GP BOMB (EB28)					
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
BLU-110B/B	A	761	6,969.44	{5,202}	598	8,673.90	{5,030}	731	7,123.31	{5,075}	778	7,253.35	{5,568}
LOAD ASSEMBLE & PACK		761	1,490.81	1,135	598	3,609.94	2,159	731	2,331.72	1,704	778	2,375.52	1,848
BOMB BODY BLU-110B/B (1) (2)		783	1,542.70	1,208	615	1,602.80	986	755	1,388.51	1,048	801	1,414.60	1,133
LUG SUSPENSION MS3314 (1) (2)		1,609	14.63	24	1,214	17.03	21	1,475	16.92	25	1,533	17.23	26
CXM-7 (LB)		424,622	6.54	2,777	313,276	5.81	1,820	380,884	5.87	2,236	417,388	5.98	2,496
PALLET MHU-187		261	224.05	58	197	225.18	44	239	258.18	62	249	263.03	65
PRODUCTION SUPPORT				{239}			{270}			{225}			{232}
QUALITY ASSURANCE (3)				9			9			10			11
INTERIM TRANSPORTATION (4)				6									
INDUSTRIAL STOCK SUPPORT (5)				43			7						
ACCEPTANCE TESTING				40			46						
NAVY ENGINEERING SUPPORT				141			208			215			221
TOTALS:				5,441			5,300			5,300			5,800
REMARKS: (1) FY02 unit cost is the actual cost and FY03 costs use an FY01 base year. (2) Three percent more bomb bodies and lugs are procured to account for defects. (3) Quality assurance consists of funding for OSC personnel to travel to production facilities. (4) Interim transportation, which funds transportation under the CAWCF, does not apply to FY03 and beyond. (5) Industrial stock support, which funds materiel management under the CAWCF, does not apply to FY04 and beyond.													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: BLU-110B/B 1000 LB GP BOMB (EB28)						
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										
FY02	761	6,969.44	AFMC/OO-ALC	MIPR/SS/FFP	ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OK	MAR 02	JUL 03			
FY03	598	8,673.90	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OK	MAR 03	NOV 04	Y		
FY04	731	7,123.31	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OK	MAR 04	NOV 05	Y		
FY05	778	7,253.35	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT, MCALESTER, OK	MAR 05	NOV 06	Y		
REMARKS: 1. Intercontinental Manufacturing Company, Garland, TX produces the bomb bodies. MCalester Army Ammunition Plant Loads Assembles and Packs (LAP) the bombs.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FIN ASSEMBLY MXU-650 PAVEWAY (F763)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$17,269	\$24,658	\$29,009	\$39,431	\$22,299	\$5,423	\$19,183	\$30,761
<p>Description:</p> <ol style="list-style-type: none"> 1. The MXU-650 Fin Assembly consists of a tail fin unit 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. Funding was accelerated from FY06 and FY07 to FY03 through FY05 to support the Global War on Terrorism. 3. FY02 funding (\$6.933M) was transferred from MXU-651 based on Global War on Terrorism need. 3. This item is procured through Ogden Air Logistics Center. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
MXU-650/B		3,779	4,569.67	{17,269}	5,963	4,135.17	{24,658}	6,671	4,348.52	{29,009}	8,880	4,440.43	{39,431}
MXU-650/B	A	3,779	4,278.17	16,167	5,963	3,843.60	22,919	6,671	4,057.10	27,065	8,880	4,148.94	36,843
CONTAINER	A	3,779	255.00	964	5,963	255.00	1,521	6,671	255.00	1,701	8,880	255.00	2,264
PALLET	A	3,779	36.50	138	5,963	36.50	218	6,671	36.50	243	8,880	36.50	324
TOTALS:				17,269			24,658			29,009			39,431
REMARKS: (1) FY02 unit price is an average of Raytheon and Lockheed Martin unit prices. (2) FY03 through FY05 unit costs are competitive contract price estimates.													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FIN ASSEMBLY MXU-650 PAVEWAY (F763)						
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	
MXU-650/B										
FY02 (1)	2,497	4,139.36	AFMC/OO-ALC	SS/FFP	RAYTHEON, TUCSON AZ	JUL 02	OCT 02			
FY02 (1)	1,282	5,407.96	AFMC/OO-ALC	SS/FFP	LOCKHEED MARTIN, ARCHBALD PA	AUG 02	MAY 03			
FY03 (2)	5,963	4,259.00	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	MAR 03	FEB 04	Y		
FY04 (2)	6,671	4,335.00	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	MAR 04	FEB 05	Y		
FY05 (2)	8,880	4,418.00	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	MAR 05	FEB 06	Y		
REMARKS: (1) FY02 award was delayed for Lockheed Martin to pass First Article Test (FAT). Concerns about Lockheed Martin qualification timeline drove a final decision, based on urgency of need for the Global War on Terrorism, to go sole source with the existing supplier Raytheon. Subsequently, Lockheed Martin (LM) concerns were resolved and a sole source contract was issued to LM to address Global War on Terrorism need. (2) FY03 through FY05 unit costs are competitive contract price estimates.										
		P-1 ITEM NO 4				PAGE NO: 64				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MAU-169H/B PAVEWAY II GCU (EA65))				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$40,000	\$45,760	\$68,232	\$94,409	\$54,888	\$19,214	\$66,329	\$85,199
<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. In FY02, \$40M in DERF was used to purchase LGB components (4,197 MAU-169H/B). This funding is listed in the program total. 3. In FY03 Congress added \$25M from the Cost of War Transfer Account for LGB components. 4. Funding was accelerated from FY06 and FY07 to FY03 through FY05 to support the Global War on Terrorism. 5. This item is procured through the Ogden Air Logistics Center. 								
	P-1 ITEM NO 4				PAGE NO: 65	Page 1 of 1		

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MAU-169H/B PAVEWAY II GCU (EA65))						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
MAU-169H/B		4,197	9,530.61	{40,000}	4,853	9,388.55	{45,760}	7,150	9,584.44	{68,232}	9,625	9,785.99	{94,409}
MAU-169H/B	A	4,197	9,297.62	39,022	4,853	9,155.55	44,432	7,098	9,351.44	66,377	9,625	9,553.30	91,951
PALLET	A	4,197	3	13	4,853	3	15	7,098	3	21	9,625	3.00	29
CONTAINER CNU-317	A	4,197	230	965	4,853	230	1,116	7,098	230	1,633	9,625	230.00	2,214
PRODUCTION SUPPORT	A						{197}			{201}			{215}
PRODUCTION ENGINEERING (3)	A						197			201			215
TOTALS:		12,591		40,000	14,559		45,760	21,294		68,232	28,875		94,409
REMARKS: (1) In FY02, \$40M in DERF was used to purchase LGB components (4,197 MAU-169H/B). This funding is listed in the program total. (2) FY02 unit price is an average of Raytheon and Lockheed Martin unit prices. (3) In FY03 the AF took over configuration control for LGB components from the Navy. Production engineering funds cover Interface Control Document and Performance Specification management.													
		P-1 ITEM NO 4					PAGE NO: 66					Page 1 of 1	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MAU-169H/B PAVEWAY II GCU (EA65))						
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	
MAU-169H/B										
FY02 (1)(2) RAYTHEON	2,865	10204.50	AFMC/OO-ALC	SS/FFP	RAYTHEON SYSTEMS, TUCSON AZ	JUL 02	OCT 02			
FY02 (1) (2) LOCKHEED MARTIN	1,332	8570.50	AFMC/OO-ALC	SS/FFP	LOCKHEED MARTIN, ARCHBALD PA	AUG 02	AUG 03			
FY03 (3)	4,853	9388.55	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	MAR 03	FEB 04	Y		
FY04 (3)	7,150	9584.44	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	MAR 04	FEB 05	Y		
FY05 (3)	9,625	9785.99	AFMC/OO-ALC	C/FFP W/OPT	UNKNOWN	MAR 05	FEB 06	Y		
<p>REMARKS:</p> <p>(1) FY02 award was delayed for Lockheed Martin to pass First Article Test (FAT). Concerns about Lockheed Martin qualification timeline drove a final decision, based on urgency of need for the Global War on Terrorism, to go sole source with the existing supplier Raytheon. Subsequently, Lockheed Martin (LM) concerns were resolved and a sole source contract was issued to LM to address Global War on Terrorism need.</p> <p>(2) In FY02, \$40M in DERF was used to purchase LGB components (4,197 MAU-169H/B). This funding is in the program total.</p> <p>(3) FY03 through FY05 unit costs are competitive contract price estimates.</p>										
		P-1 ITEM NO 4				PAGE NO: 67				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$35,802	\$10,456	\$14,570	\$28,217	\$24,999	\$26,726	\$23,930	\$55,580
<p>Description:</p> <ol style="list-style-type: none"> 1. All items have a procurement value of less than \$5,000,000. Representative items requested in FY04 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. 2. Funding increase in FY09 caused by the need to begin procurement of MK-82, 500 lb GP Bombs due to anticipated stockpile depletion. 								
	P-1 ITEM NO 4		PAGE NO: 68		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2004		FY2005	
		QTY.	COST	QTY.	COST
CBU-87(T-3)/B BOMB DISPENSER INERT (E852)		68	\$1,200	106	\$1,950
BLU-113A(D-1)/B INERT BOMB (E989)		10	\$600	13	\$1,820
BOMB, BLU-109(D-2)/B (F034)		91	\$1,470	110	\$2,810
BSU-84A/B AFG SUPERBOLT (GBU) (EA27)		202	\$2,440	279	\$3,940
HTSF FMU-159		235	\$4,200	274	\$4,900
HDBT				18	\$4,800
MXU-651, GBU-10 FIN ASSY (F761)		434	\$2,840	642	\$4,280
CBU-89(T-1)B (AIR TNG) (K293)		26	\$1,400	28	\$1,520
MK-83 INERT		139	\$270	186	\$370
BSU-49/B FIN (MK-82)				1601	\$1,677
NOSE SUPPORT CUP (FW26)		13,636	\$150	12,500	\$150
TOTALS:			\$14,570		\$28,217
	P-1 ITEM NO 4		PAGE NO: 69		Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SENSOR FUZED WEAPON				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY	270	310	294	285	287	296	308	310
COST (in Thousands)	\$108,532	\$124,093	\$117,841	\$117,359	\$119,703	\$125,288	\$131,916	\$134,875
<p>Description:</p> <p>1. The Sensor Fuzed Weapon (SFW) is a cluster munition designed for use against land combat vehicles. 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 through a small infrared sensor contained in the warhead, firing a self-forging projectile into the target. This munition provides multiple kills per pass capability.</p> <p>2. The current approved revised acquisition strategy procures baseline SFW units through FY 2000 and SFW pre-planned product improvement (P3I) units from FY01 to completion. The P3I added sensor upgrades, multi-mission warhead, and footprint expansion. P3I also added a redundant self-destruct feature for a cleaner battlefield. Unit cost beginning in FY05 reflects incorporation of a modified TMD fuze.</p> <p>3. The configuration under current procurement (CBU-105) consists of an SFW (CBU-97) with Wind-Corrected Munition Dispenser (WCMD), a separately procured tailkit for cluster munitions which corrects for wind induced errors. CBU-105 provides a launch and leave capability from GPS-equipped aircraft with MIL_STD_1760 interface.</p> <p>4. The FY02 Supplemental bill included \$8.0M for SFW in Defense Emergency Relief Funds. Funding was used to procure additional SFWs to reach the minimum sustaining level needed to protect the industrial base. In FY03 Congress added \$20M to the munitions appropriation for SFW increased production. Reference FY03 Appropriation Conference 107-732, p213.</p>								
	P-1 ITEM NO 6				PAGE NO: 70			
						Page 1 of 1		

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)										DATE: FEBRUARY 2003				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: SENSOR FUZED WEAPON									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
HARDWARE				{105,925}			{121,559}			{115,199}			{114,667}	
CBU-97/B	A	270	390,856	105,531	310	385,139	119,393	294	383,061	112,620	285	392,965	111,995	
ENGINEERING CHANGE ORDERS				394			1,506			1,919			1,992	
GOVERNMENT FURNISHED EQUIPMENT							660			660			680	
PRODUCTION AND SUPPORT COST				{2,607}			{2,534}			{2,642}			{2,692}	
TEST SUPPORT (LOT ACCEPTANCE TEST/QUAL)				400			900			621			632	
PROGRAM MANAGEMENT ADMINISTRATION				2,207			1,634			2,021			2,060	
TOTALS:				108,532			124,093			117,841			117,359	
REMARKS:														
		P-1 ITEM NO 6					PAGE NO: 71						Page 1 of 1	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
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										
FY01	300	373,170	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	MAR 01	JUL 02			
FY02	270	390,856	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	JUL 02	APR 03			
FY03	310	385,139	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	JAN 03	JAN 04	Y		
FY04	294	383,061	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	JAN 04	JAN 05	Y		
FY05	285	392,965	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	JAN 05	JAN 06	Y		
REMARKS:										
		P-1 ITEM NO 6			PAGE NO: 72			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY	14,392	22,873	20,244	23,137	22,039	15,389	4,993	4,772
COST (in Thousands)	\$300,972	\$477,097	\$427,709	\$523,280	\$514,027	\$377,277	\$135,793	\$134,847
Description: Place Holder - Use Expanded P40 Version MS-Word Document								
	P-1 ITEM NO 7			PAGE NO: 73				Page 1 of 1

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AMMUNITION COST ANALYSIS (DOLLARS IN THOUSANDS)																
APPROPRIATION AND P-1 LINE ITEM																
PAAF/MUNITIONS AND RELATED EQUIPMENT																
JOINT DIRECT ATTACK MUNITION																
DATE																
FEBRUARY 2000																
ELEMENT OF COST	IDENT CODE	FY 97			FY 98			FY 99			FY00			FY01		
		QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
FLYAWAY COST																
HARDWARE-RECURRING																
AIRFRAME	A	937	\$18	\$16,560	1828	\$18	\$33,423	3778	\$19	\$72,482	8158	\$21	\$169,325	9098	\$21	\$195,519
ENGINEERING CHANGE ORDERS		937	\$0	\$14	1828	\$0	\$0	3778	\$0	\$0	8158	\$1	\$4,440	9098	#VALUE!	
SUBTOTAL		937	\$18	\$16,574	1828	\$18	\$33,423	3778	\$19	\$72,482	8158	\$21	\$173,765	9098	\$22	\$201,144
NONRECURRING																
CONTRACTOR INCENTIVE				\$880			\$940			\$713			\$1,480			\$1,875
SUBTOTAL				\$880			\$940			\$713			\$1,480			\$1,875
TOTAL FLYAWAY COST		937	\$19	\$17,454	1828	\$19	\$34,363	3778	\$19	\$73,195	8158	\$21	\$175,245	9098	\$22	\$203,019
SUPPORT COST																
TEST EQUIPMENT (CMBRE)				\$0			\$988			\$877			\$885			\$1,920
AIRBORNE TEST EQUIPMENT				\$2,436			\$2,157			\$0			\$3,976			\$4,130
DATA				\$4			\$3			\$7			\$8			\$10
PMA				\$214			\$350			\$1,689			\$2,348			\$2,849
ADR				\$50			\$50			\$42			\$50			\$50
SYSTEMS TEST & EVAL				\$222			\$0			\$0			\$3,496			\$4,117
TRAINING				\$58			\$50			\$260			\$131			\$0
PRODUCTION TECHNICAL SUPPORT				\$2,573			\$270			\$65			\$3,560			\$3,753
DELIVERY ACCELERATION				\$0			\$678			\$3,414			\$0			\$0
SASSM DEVELOPMENT				\$0			\$0			\$0			\$0			\$0
SUBTOTAL				\$5,556			\$4,545			\$6,353			\$14,455			\$16,829
AIRCRAFT FLIGHT CERTIFICATION ITEMS																
JDAM TEST UNITS							\$281									
SUBTOTAL							\$281									
TOTAL P-1 LINE ITEM		937	\$25	\$23,010	1828	\$21	\$39,189	3778	\$21	\$79,548	8158	\$23	\$189,700	9098	\$24	\$219,848

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FY02			FY03			FY04			FY05			FY06			Total		
QTY 8494			QTY 8620			QTY 8800			QTY 8718			QTY 3567			QTY 62000		
QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
13,957	\$20	\$276,593	17,917	\$20	\$350,349	20,689	\$20	\$407,635	23,689	\$21	\$500,879	22,567	\$22	\$492,119	62,000	\$41	\$2,514,884
13,957	\$0	\$3,277	17,917	\$1	\$10,510	20,689	\$1	\$12,229	23,689	\$1	\$15,026	22,567	\$1	\$14,764	62,000	#VALUE!	#VALUE!
13,957	\$20	\$279,870	17,917	\$20	\$360,859	20,689	\$20	\$419,864	23,689	\$22	\$515,905	22,567	\$22	\$506,883	62,000	\$42	\$2,580,768
		\$2,731			\$3,503			\$4,076			\$5,009			\$4,921			\$26,128
		\$2,731			\$3,503			\$4,076			\$1,567			\$4,921			\$22,686
13,957	\$20	\$282,601	17,917	\$20	\$364,362	20,689	\$20	\$423,940	23,689	\$22	\$520,914	22,567	\$23	\$511,804	62,000	\$42	\$2,606,896
		\$3,116			\$0			\$300			\$306			\$312			\$8,704
		\$6,912			\$7,775			\$5,452			\$6,538			\$6,941			\$46,316
		\$0			\$0			\$0			\$0			\$0			\$32
		\$3,312			\$2,606			\$2,650			\$2,702			\$2,750			\$21,470
		\$108			\$56			\$59			\$61			\$64			\$590
		\$0			\$0			\$0			\$0			\$0			\$7,835
		\$0			\$687			\$289			\$0			\$0			\$1,475
		\$4,776			\$3,077			\$3,990			\$4,090			\$4,169			\$30,323
		\$0			\$0			\$0			\$0			\$0			\$4,092
		\$18,224			\$14,201			\$12,740			\$13,697			\$14,236			\$120,837
		\$147			\$300			\$144									\$872
		\$147			\$300			\$144									\$872
8,800	\$34	\$300,972	8,800	\$43	\$378,863	8,800	\$50	\$436,824	8,718	\$61	\$534,611	3,569	\$147	\$526,040	62,000	\$44	\$2,728,605

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AF 1537

AF FORM 1537 (THEN YEAR DOLLARS)		WEAPON SYSTEM:				CONTRACTOR:		AS OF DATE:		APPN: 3011		
WEAPON SYSTEM BUDGET ESTIMATE (DOLLARS IN MILLIONS)		JDAM				BOEING		February 2003				
CATEGORY TYS FY03 PB PE: 27583F BPAC: 353620		EQUIP:				REPORT CONTROL SYMBOL:		PREPARED BY: AAC/YU				
DESCRIPTION		FY01/P	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	TOTAL	
QUANTITY OF AURs		24,172	14,392	22,873	20,244	23,137	22,039	15,389	4,993	4,772	152,011	
RECURRING HARDWARE	\$	492.461	\$ 285.898	\$ 447.259	\$ 398.868	\$ 490.014	\$ 480.604	\$ 349.075	\$ 117.428	\$ 116.368	\$ 3,177.975	
ECO	\$	0.035	\$ -	\$ 12.311	\$ 11.966	\$ 14.700	\$ 14.418	\$ 10.472	\$ 3.523	\$ 3.491	\$ 70.916	
CONTRACTOR INCENTIVE	\$	6.819	\$ 2.799	\$ 4.473	\$ 3.989	\$ 4.900	\$ 4.806	\$ 3.491	\$ 1.174	\$ 1.164	\$ 33.615	
FLYAWAY COST	\$	499.315	\$ 288.697	\$ 464.043	\$ 414.823	\$ 509.614	\$ 499.828	\$ 363.038	\$ 122.125	\$ 121.023	\$ 3,282.506	
											\$ -	
TEST EQUIPMENT (CMBRE)	\$	4.576	\$ 2.972	\$ -	\$ 0.300	\$ 0.306	\$ 0.312	\$ 0.318	\$ -	\$ -	\$ 8.784	
AIRBORNE TEST EQUIPMENT	\$	11.266	\$ 1.422	\$ 5.944	\$ 5.719	\$ 6.803	\$ 7.201	\$ 7.006	\$ 6.725	\$ 6.751	\$ 58.837	
DATA	\$	0.059	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.059	
PROGRAM MANAGEMENT/ADMIN REQ	\$	6.510	\$ 4.394	\$ 2.659	\$ 2.705	\$ 2.759	\$ 2.809	\$ 2.861	\$ 2.916	\$ 2.971	\$ 30.584	
SYSTEMS TEST & EVALUATION	\$	0.222	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.222	
TRAINING	\$	1.490	\$ -	\$ 0.687	\$ 0.289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.466	
PRODUCTION SUSTAINING ENGINEERING	\$	7.557	\$ 3.340	\$ 3.411	\$ 3.670	\$ 3.737	\$ 3.813	\$ 3.884	\$ 3.958	\$ 4.031	\$ 37.401	
SEEK EAGLE	\$	0.281	\$ 0.147	\$ 0.297	\$ 0.144	\$ -	\$ -	\$ 0.103	\$ -	\$ -	\$ 0.972	
ALTERNATE DISPUTE RESOLUTION	\$	0.410	\$ -	\$ 0.056	\$ 0.059	\$ 0.061	\$ 0.064	\$ 0.067	\$ 0.069	\$ 0.071	\$ 0.857	
DELIVERY ACCELERATION	\$	2.753	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.753	
WEAPON SYSTEMS COST	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	\$	534.439	\$ 300.972	\$ 477.097	\$ 427.709	\$ 523.280	\$ 514.027	\$ 377.277	\$ 135.793	\$ 134.847	\$ 3,425.441	
INITIAL SPARES												
PROCUREMENT COST	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	\$	534.439	\$ 300.972	\$ 477.097	\$ 427.709	\$ 523.280	\$ 514.027	\$ 377.277	\$ 135.793	\$ 134.847	\$ 3,425.441	
TOTAL PROGRAM (TYS)												
	\$	534.439	\$ 300.972	\$ 477.097	\$ 427.709	\$ 523.280	\$ 514.027	\$ 377.277	\$ 135.793	\$ 134.847	\$ 3,425.441	
APPROVED PROGRAM (TYS)												
DELTA (TYS)	\$	534.439	\$ 300.972	\$ 477.097	\$ 427.709	\$ 523.280	\$ 514.027	\$ 377.277	\$ 135.793	\$ 134.847	\$ 3,425.441	
		P-1 ITEM NO:				PAGE NO:				PAGE 1 OF 1		
		7				75						

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003							
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
HARDWARE				{285,898}			{459,570}			{410,834}			{504,714}	
AIRFRAME	A	14,392	19,865.06	285,898	22,873	19,554.02	447,259	20,244	19,703.02	398,868	23,137	21,178.80	490,014	
ENGINEERING CHANGE ORDERS							12,311			11,966			14,700	
NONRECURRING														
CONTRACTOR INCENTIVE				2,799			4,473			3,989			4,900	
SUPPORT COSTS				{12,275}			{13,054}			{12,886}			{13,666}	
TEST EQUIPMENT				2,972			0			300			306	
AIRBORNE TEST EQUIPMENT				1,422			5,944			5,719			6,803	
PROGRAM MANAGEMENT/ADMIN				4,394			2,659			2,705			2,759	
TRAINING							687			289				
PRODUCTION SUSTAINING ENG				3,340			3,411			3,670			3,737	
ALTERNATE DISPUTE RESOLUTION							56			59			61	
SEEK EAGLE (PE 27590F)				147			297			144			0	
TOTALS:				300,972			477,097			427,709			523,280	
REMARKS: FY02 DERF (\$253.293M) breakout: \$129.213M hardware (6,348 kits); \$116.950M (tooling & production test equipment); \$3.000M technical manuals; \$2.356M delivery acceleration; \$1.764M incentive; \$10K field level test equipment														
				P-1 ITEM NO 7					PAGE NO: 74					
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)	DATE: FEBRUARY 2003
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION
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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
AIRFRAME									
FY02 LOT 5B	220	21,184	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	SEP 02	NOV 02		
FY02 LOT 6 (1)	8,484	19,726	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	DEC 01	JAN 03		
FY02 LOT 6C (1)	5,688	20,022	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	SEP 02	JUL 03		
FY03 LOT 7	22,873	19,554	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 03	MAR 04		
FY04 LOT 8	20,244	19,703	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 04	MAR 05		
FY05 LOT 9	23,137	21,178	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 05	MAR 06		

REMARKS:
NOTES:
 (1) FY 02 (Lot 6 and Lot 6C) contract awarded through a split funding procurement consisting of FY02 DERF funds for 8,484 kits and FY02 Supplemental funds for 5,688 kits.
 (2) All unit costs are burdened costs of procurements.
 (3) Specifications have been waived due to JDAM'S status as an Acquisition Reform pilot program.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: WIND CORRECTED MUNITIONS DISPENSER				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY	6,917	3,262	2,516	2,130	379	783	750	1,024
COST (in Thousands)	\$114,986	\$70,038	\$72,411	\$62,328	\$34,201	\$56,882	\$60,352	\$72,646
<p>Description:</p> <p>1. The Wind Corrected Munitions Dispenser (WCMD) guidance kit will provide inertial navigation to correct for launch transients and ballistic errors caused by wind when cluster weapons are released from medium to high altitudes. The WCMD kit fitted weapons (CBU-103, CBU-104 and CBU-105) will improve effectiveness of both bombers and fighters and significantly contribute to Air Force war fighting capabilities. The pilot production contract was awarded to Lockheed-Martin January 1997, followed by three low-rate initial production (LRIP) lots and a production price commitment for full rate production. LRIP options were exercised Aug 1998, July 1999, and Jun 2000. The first full-rate production (FRP) contract was awarded in March 2001 and the second FRP contract was awarded in March 2002. Baseline WCMD completes last production lot with FY05 buy. FY06 begins production of wind corrected munitions dispenser and extended-range (WCMD-ER) wing and tail kits.</p> <p>2. WCMD development program funded beginning in FY03 under PE64600F extends range and improves accuracy of WCMD to provide war fighter with stand-off anti-armor capability using CBU-103, CBU-104, and CBU-105 weapons. The first LRIP lot is planned for FY06.</p> <p>3. Seek Eagle funds were are included in FY04 (\$134K), FY07 (\$96K) for a total buy of 15 units.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003								
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: WIND CORRECTED MUNITIONS DISPENSER								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005				
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST		
HARDWARE-RECURRING				{99,555}			{57,244}			{61,485}			{53,714}		
WCMD KITS	A	6,917	14,340.00	99,190	3,262	17,298.00	56,426	2,516	23,831.00	59,959	2,130	24,785.00	52,792		
ECO				365			818			1,526			922		
PRODUCTION SUPPORT				{15,431}			{12,794}			{10,926}			{8,614}		
DATA				6			5			6			5		
SYSTEM TEST				772			772			868			793		
PROGRAM MANAGEMENT ADMINISTRATION				2,915			2,913			2,474			2,553		
OTHER COSTS (1)				11,738			9,104			7,443			5,263		
SEEK EAGLE										135					
TOTALS:				114,986			70,038			72,411			62,328		
REMARKS: (1) GPS installation, Air Force Mission Support System (AFMSS), test articles and field installation.															
		P-1 ITEM NO 8						PAGE NO: 77						Page 1 of 1	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: WIND CORRECTED MUNITIONS DISPENSER						
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	
WCMD KITS										
FY02	6,917	16623.68	AFMC/AAC	C/FFP	LOCKHEED-MARTIN/ORLANDO, FL	MAR 02	FEB 03			
FY03	3,262	21471.18	AFMC/AAC	C/FFP	LOCKHEED-MARTIN/ORLANDO, FL	MAR 03	FEB 04	Y		
FY04	2,516	28780.60	AFMC/AAC	C/FFP	LOCKHEED-MARTIN/ORLANDO, FL	MAR 04	DEC 04	Y		
FY05	2,130	29261.97	AFMC/AAC	C/FFP	LOCKHEED-MARTIN/ORLANDO, FL	MAR 05	DEC 05	Y		
REMARKS: 1. Unit costs reflect cost of hardware only. 2. The government and Lockheed-Martin have a price commitment agreement as long as the government stays within the quantity band and maintains a total buy of 40,000 units. 3. FY06 is the first year of WCMD-ER procurement.										
		P-1 ITEM NO 8			PAGE NO: 78			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CAD/PAD				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$18,000	\$19,503	\$20,030	\$20,438	\$21,093	\$21,509	\$22,129	\$22,506
<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. The breakdown per aircraft type in FY04 is identified on the following P-40a. Items procured during execution may change based on the most critical munitions components needed to support current Air Force mission requirements.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CAD/PAD						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
BOMBER AIRCRAFT	A		\$6,742		\$5,507		\$5,825		\$6,075	
CARGO AIRCRAFT	A		\$2,992		\$3,770		\$3,780		\$3,790	
FIGHTER AIRCRAFT	A		\$3,557		\$4,145		\$4,350		\$4,480	
TRAINING AIRCRAFT	A		\$847		\$435		\$450		\$450	
COMMON EGRESS ITEMS	A		\$1,342		\$3,000		\$2,768		\$2,957	
COMMON LIFE SUPPORT ITEMS	A		\$2,120		\$2,346		\$2,557		\$2,386	
COMMON MISC ITEMS	A		\$400		\$300		\$300		\$300	
Totals:			\$18,000		\$19,503		\$20,030		\$20,438	
Remarks:										
			P-1 ITEM NO 9				PAGE NO: 80			
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$2,892	\$2,681	\$3,175	\$2,897	\$2,942	\$2,984	\$3,038	\$3,092
<p>Description:</p> <p>1. Explosive Ordnance Disposal (EOD)/Civil Engineering Demolition Material, Tools and Equipment includes all explosives, explosive tools and related equipment for use in EOD render safe procedures and all general explosive demolition applications. EOD items are used in deployment packages, base response assets and range clearance resources in support of peacetime and contingency operations. These items are certified for use by the Air Force Non-Nuclear Munitions Safety Board (NNMSB) and the Department of Defense Explosives Safety Board (DDESB).</p> <p>2. Representative items requested in FY04 are identified on the following P-40A. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 10			PAGE NO: 81			Page 1 of 1	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
CHARGE, DEMOLITION C4-M112 (M023)	A	14,145	\$500	0	\$0	93,648	\$1,474	89,254	\$1,471	
DYNAMITE, AMONIA NITRATE 60% (MN32)	A	3,746	\$4	1,449	\$2	1,985	\$2	1,948	\$2	
NITRO, DYNAMITE (MN30)	A	2,575	\$13	1,290	\$2	1,273	\$2	1,234	\$2	
EXPLOSIVE CUTTING TAPE (MM53)	A	875	\$56	5,130	\$328	5,200	\$338	5,104	\$338	
EXPLOSIVE WATER GEL (MY77)	A	2,189	\$3	1,416	\$2	1,283	\$2	1,259	\$2	
DET CORD, 200 GRAIN (MU41)	A	4,348	\$6	8,696	\$12	4,196	\$6	4,138	\$6	
BLAST MACHINE	A	0	\$0	18	\$7	0	\$0	0	\$0	
CHARGE, DEMO SHAPED MK88 (M997)	A	325	\$35	1,110	\$68	596	\$70	353	\$43	
DETA SHEET (M980)	A	31	\$12	0	\$0	0	\$0	0	\$0	
SHOCK TUBE (YY34)	A	547,500	\$25	752,500	\$35	500,000	\$25	500,000	\$25	
IGNITER TIME BLASTING (MN08)	A	0	\$0	5,000	\$19	5,000	\$19	5,000	\$19	
FIRING DEVICE DEMO, MX-22A	A	0	\$0	14	\$218	0	\$0	0	\$0	
MEDIUM VELOCITY BLANK (AA66)	A	0	\$0	24,000	\$48	3,500	\$7	3,500	\$7	
SQUIB (WB29)	A	4,545	\$5	0	\$0	4,464	\$5	4,464	\$5	
DISRUPTOR, LIGHT WEIGHT (YY32)	A	1,692	\$188	1,788	\$202	1,626	\$187	1,626	\$187	
DISRUPTOR, MAIN CHARGE (YY33)	A	1,602	\$70	1,575	\$70	1,527	\$70	1,519	\$70	
STANDOFF DISRUPTOR (PAN)	A	65	\$205	9	\$55	0	\$0	0	\$0	
STANDOFF DEARMER	A	177	\$1,025	9	\$52	0	\$0	0	\$0	
DEARMER, SMALL CALIBER	A	211	\$158	15	\$22	0	\$0	0	\$0	
THERMITE SAFING SYSTEM	A	10	\$25	0	\$0	0	\$0	0	\$0	
RELOADER (ML66)	A	0	\$0	54	\$1	53	\$1	52	\$1	
MK276 POPPER (AA64)	A	10,560	\$17	1,825	\$3	1,796	\$3	1,765	\$3	
P-1 ITEM NO 10					PAGE NO: 82			Page 1 of 2		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)					
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK275 AVON (AA63)	A	4,350	\$25	1,200	\$7	1,188	\$7	1,188	\$7
MK274 ULTRA (AA62)	A	4,200	\$23	1,275	\$7	1,257	\$7	1,239	\$7
MINI-MINE DETECTOR	A	0	\$0	177	\$889	37	\$185	0	\$0
XRAY MACHINE, SMALL	A	51	\$160	0	\$0	0	\$0	0	\$0
ARS XRAY APPARATUS	A	0	\$0	18	\$342	0	\$0	0	\$0
MK32 X-RAY KIT	A	8	\$69	9	\$79	0	\$0	0	\$0
FERROUS LOCATOR MK26	A	79	\$268	16	\$55	0	\$0	0	\$0
CITADEL	A	0	\$0	34	\$136	0	\$0	0	\$0
DEMOLITION TOOLS	A	0	\$0	0	\$0	88	\$445	88	\$445
MOD O JROD (MK32)	A	0	\$0	12	\$20	0	\$0	0	\$0
EOD TRAINING AIDS	A	0	\$0	0	\$0	40	\$320	38	\$257
Totals:			\$2,892		\$2,681		\$3,175		\$2,897
Remarks:									
		P-1 ITEM NO 10				PAGE NO: 83		Page 2 of 2	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SPARES AND REPAIR PARTS				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$1,087	\$2,961	\$3,331	\$4,377	\$4,988	\$4,894	\$5,461	\$6,056
<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 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: 84			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SPARES AND REPAIR PARTS					
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
INITIAL SPARES			\${154}		\${152}		\${164}		\${180}
MISC. LOW COST INITIAL SPARES (P-1 LINE # N/A)	A		\$154		\$152		\$164		\$180
REPLENISHMENT SPARES			\${933}		\${2,809}		\${3,167}		\${4,197}
GP BOMBS (P-1 LINE # 4)	A		\$933		\$2,809		\$2,829		\$3,798
ITEMS LESS THAN \$5M (P-1 LINE # 13)	A						\$338		\$399
Totals:			\$1,087		\$2,961		\$3,331		\$4,377
Remarks:									
		P-1 ITEM NO 11				PAGE NO: 85		Page 1 of 1	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MODIFICATIONS LESS THAN \$5 MILLION				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$210	\$199	\$189	\$203	\$876	\$888	\$0	\$0
<p>Description:</p> <p>1. 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. This budget line encompasses both new and on-going modification efforts for guided bomb and munitions systems.</p> <p>2. The FY04 funding request reflects estimated costs based on historical funding requirements and projected future requirements.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000, OTHER				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$3,241	\$1,790	\$336	\$897	\$1,064	\$1,505	\$2,018	\$2,016
<p>Description:</p> <ol style="list-style-type: none"> 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. 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 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000, OTHER			
PROCUREMENT ITEMS	NSN	FY2004		FY2005		
		QTY.	COST	QTY.	COST	
GRENADE, HAND, SMOKE GREEN (G940)		0	\$0	7,827	\$320	
PEPPER SPRAY (KM01)		3,538	\$69	4,906	\$99	
PEPPER SPRAY POCKET (KM02)		1,128	\$21	1,265	\$24	
SIMULATOR, GROUND BURST (L594)		21,826	\$196	32,094	\$259	
SIMULATOR, AIR BURST (L366)		1,413	\$50	1,520	\$59	
GRENADE, HAND PRACTICE (L601)		0	\$0	19,219	\$136	
TOTALS:			\$336		\$897	
	P-1 ITEM NO 14		PAGE NO: 88		Page 1 of 1	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (OVERVIEW)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$103,066	\$133,028	\$146,221	\$152,820	\$146,522	\$149,526	\$196,048	\$188,098
<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. Representative items requested in FY04 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. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
MJU-7B IR FLARE (L463)	A	764,125	\$17,011	961,050	\$21,692	498,275	\$18,801	543,395	\$20,889	
LUU-1 FLARE (L660)	A		\$0	7,351	\$8,000	7,561	\$8,223	7,238	\$8,019	
M206 FLARE (L410)	A	1,512,533	\$20,445	1,811,875	\$24,831	849,175	\$20,290	929,225	\$22,611	
LUU-19 FLARE (LA05)	A	15,963	\$17,383	14,212	\$20,918	11,507	\$17,233	11,631	\$17,756	
MJU-23 FLARE (L462)	A	14,511	\$9,264	12,322	\$8,000	12,123	\$8,010	11,882	\$8,000	
MJU-39/40 FLARE	A	2,628	\$6,311	2,558	\$6,260	2,494	\$9,480	2,695	\$9,433	
MJU-50/B FLARE	A	31,199	\$2,120	60,785	\$4,103	91,410	\$6,300	89,539	\$6,300	
LUU-2B/B (L440)	A	10,495	\$8,487	0	\$0	10,388	\$8,000	9,178	\$7,201	
M-211 (LA14)	A	34,521	\$4,902	34,451	\$4,892	89,390	\$12,960	87,551	\$12,960	
MJU-62 (QTH7)	A		\$0	15,493	\$4,462	31,381	\$9,200	30,803	\$9,200	
MJU-51/B (LA20)	A	8,688	\$1,585	27,326	\$4,990	34,500	\$6,300	34,500	\$6,300	
ITEMS LESS THAN \$5 MILLION	A		\$15,558		\$24,880		\$21,424		\$24,151	
Totals:			\$103,066		\$133,028		\$146,221		\$152,820	
Remarks:										
		P-1 ITEM NO 15				PAGE NO: 90		Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$17,011	\$21,692	\$18,801	\$20,889	\$13,690	\$20,602	\$20,000	\$21,000
<p>Description:</p> <p>1. The MJU-7A/B is an infrared countermeasures flare used by the 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.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)										DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		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	764,125	22.05	16,849	961,050	22.53	21,652	498,275	37.72	18,795	543,395	38.43	20,883
PRODUCTION SUPPORT				{162}			{40}			{6}			{6}
QUALITY ASSURANCE				6			5			6			6
INDUSTRIAL STOCK SUPPORT				156			35						
TOTALS:				17,011			21,692			18,801			20,889
REMARKS: Per unit cost increase based on rising Magnesium costs.													
		P-1 ITEM NO 15				PAGE NO: 92						Page 1 of 1	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
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										
FY99 (1)	290	21.00	AFMC/OC-ALC	MIPR/C/FP	ARMY/OSC, ALLIANT, TN	AUG 99	SEP 02			
FY00(1)	118	21.00	AFMC/OC-ALC	MIPR/C/FP	ARMY/OSC, ALLIANT, TN	MAY 00	MAR 03			
FY01	179	36.52	AFMC/OC-ALC	MIPR/C/FP	ARMY/OSC, ALLIANT, TN	AUG 01	SEP 02			
FY01	268	36.52	AFMC/OC-ALC	MIPR/C/FP	ARMY/OSC, ARMTEC; AUSTIN, TX	AUG 01	APR 02			
FY02	306	22.05	AFMC/OC-ALC	MIPR/C/FP	ARMY/OSC, ARMTEC; AUSTIN, TX	JUN 02	JUL 03			
FY02	458	22.05	AFMC/OC-ALC	MIPR/C/FP	ARMY/OSC, ALLIANT, TN	SEP 02	FEB 03			
FY03	961	22.53	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, UNKNOWN	AUG 03	AUG 04	Y		
FY04	498	37.72	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, UNKNOWN	AUG 04	AUG 05	Y		
FY05	543	38.43	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, UNKNOWN	AUG 05	AUG 06	Y		
<p>REMARKS: Quantity in thousands. (1) Martin Electronics, at their request, was removed from the flare industrial base. Martin Electronics contracts were novated to Alliant. FY99 deliveries are on track and progressing.</p> <p>Unit cost varies based on quantity procured.</p>										
		P-1 ITEM NO 15			PAGE NO: 93			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-1- FLARE - L660)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$0	\$8,000	\$8,223	\$8,019	\$7,848	\$7,583	\$12,000	\$8,000
<p>Description:</p> <p>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 foot 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.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)														DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: FLARES (LUU-1- FLARE - L660)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005				
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST		
LUU-1/B FLARE	A				7,361	1,073.08	7,899	7,472	1,086.71	8,120	7,147	1,107.12	7,913		
PRODUCTION SUPPORT							{101}			{103}			{106}		
QUALITY ASSURANCE							6			6			6		
ACCEPTANCE TESTING							95			97			100		
TOTALS:							8,000			8,223			8,019		
REMARKS:															
		P-1 ITEM NO 15				PAGE NO: 95				Page 1 of 1					

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$20,445	\$24,831	\$20,290	\$22,611	\$19,070	\$18,300	\$14,940	\$15,325
Description: 1. This item is an infrared countermeasures flare used by the A-10, F-16, C-17, and AC-130 aircraft against heat seeking missiles. 2. This item is procured through the Single Manager for Conventional Ammunition.								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)										DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
M206 FLARE	A	1,512,533	13.33	20,162	1,811,875	13.62	24,678	849,175	23.75	20,168	929,225	24.20	22,487
PRODUCTION SUPPORT				{283}			{152}			{122}			{124}
PRODUCTION ENGINEERING				103.0			110.4			116.0			117.5
QUALITY ASSURANCE				12.8			8.5			6.2			6.4
INDUSTRIAL STOCK SUPPORT				167.0			34.5						
TOTALS:				20,444.8			24,831.4			20,290.2			22,610.9
REMARKS: (1) FY04/05 unit cost increase is due to rising Magnesium costs.													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
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	
M206 FLARE										
FY99 (1)	740	14.05	AFMC/OC-ALC	MIPR/C/FP	ARMY/OSC, ALLIANT KILGORE CORP; TOONE, TN	JUL 99	APR 03			
FY00 (1)	380	14.05	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, ALLIANT KILGORE CORP; TOONE, TN	MAY 00	NOV 03			
FY02 (2)	832	13.33	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/OSC, ALLIANT KILGORE CORP; TOONE, TN	AUG 02	MAY 03			
FY02 (2)	681	13.33	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/OSC, ARMTEC; AUSTIN, TX	AUG 02	MAY 03			
FY03	1,812	13.62	AFMC/OO-ALC	OPT/	ARMY/OSC, UNKNOWN	APR 03	APR 04	Y		
FY04	849	23.75	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/OSC, UNKNOWN	APR 04	APR 05	Y		
FY05	929	24.20	AFMC/OO-ALC	OPT/	ARMY/OSC, UNKNOWN	APR 05	APR 06	Y		
<p>REMARKS: (1) Martin Electronics, at their request, was removed from the flare industrial base. Martin Electronics contracts were novated to Alliant Kilgore. (2) FY02 procurement split between ARMTEC and Alliant Kilgore. (3) Quantity in thousands.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: LUU-19 FLARE (LA05)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$17,383	\$20,918	\$17,233	\$17,756	\$16,907	\$17,231	\$17,500	\$17,500
<p>Description:</p> <p>1. The LUU-19 aircraft parachute flare is an aircraft launched illuminating device. These flares are classified according to use, illumination, and burn time. Flares for aircraft use provide illumination for reconnaissance, bombardment, emergency night landings, or search and rescue. Flares may be delivered/launched from high speed aircraft by use of SUU-25 flare dispenser or launched from the C-130 aircraft LAU-74 cargo door launcher. Flares can also be hand-launched or launched from aircraft utilizing static line ignition.</p> <p>2. This item is procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: LUU-19 FLARE (LA05)					
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
LUU-19/B FLARE	A	15,963	\$17,383	14,214	\$20,918	11,507	\$17,233	11,631	\$17,756
Totals:			\$17,383		\$20,918		\$17,233		\$17,756
Remarks:									
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-23 FLARE - L462)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$9,264	\$8,000	\$8,010	\$8,000	\$11,000	\$8,000	\$12,900	\$11,600
<p>Description:</p> <ol style="list-style-type: none"> 1. The MJU-23 is an infrared countermeasures flare used on the B-1B aircraft against heat seeking missiles. The MJU-23 flare includes a specially designed high ejection cartridge (BBU-46) that propels the burning flare upward with sufficient velocity to clear the aircraft during high speed, low level flight. 2. This item is procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-23 FLARE - L462)						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
MJU-23 FLARE - L426	A	14,511	\$9,264	12,322	\$8,000	12,123	\$8,010	11,882	\$8,000	
Totals:			\$9,264		\$8,000		\$8,010		\$8,000	
Remarks:										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-23 FLARE - L462)						
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-23										
FY02	14,511	638.38	AFMC/OO-ALC	SS/FP	ARMTEC, CAMDEN, AR	DEC 01	NOV 02			
FY03	12,322	649.23	AFMC/OO-ALC	SS/FP	ARMTEC, CAMDEN, AR	MAR 03	APR 04			
FY04	12,123	660.72	AFMC/OO-ALC	SS/FP	ARMTEC, CAMDEN, AR	JAN 04	APR 05	Y		
FY05	11,882	673.27	AFMC/OO-ALC	SS/FP	ARMTEC, CAMDEN, AR	JAN 05	APR 06	Y		
REMARKS:										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MJU-39/40 ACFT FLARE				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$6,311	\$6,260	\$9,480	\$9,433	\$10,922	\$10,771	\$12,027	\$12,253
<p>Description:</p> <p>1. MJU-39/40 flares are expendable devices used to counter infrared missiles away from the F-22 aircraft. 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. This item is procured through the F-22 System Program Office, Wright Patterson AFB, OH.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)													DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: MJU-39/40 ACFT FLARE							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
MJU-39/40	A	2,628	2,401.30	6,311	2,558	2,447.10	6,260	2,494	3,801.00	9,480	2,695	3,500.00	9,433	
TOTALS:				6,311			6,260			9,480			9,433	
REMARKS:														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: 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										
FY03	2,558	2,447.10	AFMC/ASC	OPT/FFP	BAE, NASHUA, NH	NOV 02	NOV 03			
FY04	2,494	3,801.00	AFMC/OO-ALC	OPT/FFP	BAE, NASHUA, NH	NOV 03	NOV 04	Y		
FY05	2,695	3,500.00	AFMC/OO-ALC	OPT/FFP	BAE, NASHUA, NH	NOV 04	NOV 05	Y		
<p>REMARKS: A competitive firm fixed price contract with options was awarded in FY00. FY02 unit costs were negotiated at a loss to contractor. FY03 rates reflect new contracted rates. FY04 unit costs reflect tooling replacement impact on unit cost price (two-year cycle).</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MJU-50 ACFT FLARE				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$2,120	\$4,103	\$6,300	\$6,300	\$6,300	\$6,300	\$6,300	\$6,300
<p>Description:</p> <p>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. This flare was developed for the C-130.</p> <p>2. This item is procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-50)					
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-50	A	31,199	\$2,120	60,785	\$4,103	91,410	\$6,300	89,539	\$6,300
Totals:			\$2,120		\$4,103		\$6,300		\$6,300
Remarks:									
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MJU-50 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-50										
FY02	31,199	67.95	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	NAVY/CRANE, ALLOY SURFACES; ASTON, PA	APR 02	APR 03			
FY03	60,785	67.50	AFMC/OO-ALC	MIPR/OPT/	NAVY/CRANE, ALLOY SURFACES; ASTON, PA	MAR 03	MAR 04	Y		
FY04	91,410	68.92	AFMC/OO-ALC	MIPR/OPT/	NAVY/CRANE, ALLOY SURFACES; ASTON, PA	MAR 04	MAR 05	Y		
FY05	89,539	70.36	AFMC/OO-ALC	MIPR/OPT/	NAVY/CRANE, ALLOY SURFACES; ASTON, PA	MAR 05	MAR 06	Y		
REMARKS: 1. Unit cost decrease in FY03 is due to volume increase. 2. FY04 and FY05 unit prices are then year cost estimates.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-2B/B ACFT FLARE - L440)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$8,487	\$0	\$8,000	\$7,201	\$7,600	\$7,600	\$6,500	\$5,700
<p>Description:</p> <ol style="list-style-type: none"> 1. The LUU-2B/B is an aircraft launched delay type flare with approximately 2,000,000 candlepower. The flare consists of a cylindrical aluminum container, enclosing a timer, parachute, and candle. This flare enhances a pilot's ability to see targets while wearing night vision goggles. 2. This item is procured through the Single Manager for Conventional Ammunition. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)													DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: FLARES (LUU-2B/B ACFT FLARE - L440)							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
LUU-2B/B	A	10,495	801.51	8,412				10,388	769.79	7,997	9,178	784.25	7,198	
PRODUCTION SUPPORT				{75}						{3}			{3}	
QUALITY ASSURANCE				5						3			3	
INDUSTRIAL STOCK SUPPORT				70										
TOTALS:				8,487						8,000			7,201	
REMARKS:														
		P-1 ITEM NO 15				PAGE NO: 113						Page 1 of 1		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-2B/B ACFT FLARE - L440)						
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-2B/B										
FY02 (1)	10,495	801.51	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, THIOKOL CORP ORD OPER; BRIGHAM UT	MAY 03	AUG 04			
FY04	10,388	769.79	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, UNKNOWN	MAR 04	JUN 05	Y		
FY05	9,178	784.25	AFMC/OO-ALC	MIPR/SS/FP	ARMY/OSC, UNKNOWN	MAR 05	JUN 06	Y		
REMARKS: (1) Late contract award dates due to Air Force Technical Data Package deficiencies.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - L410)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$4,902	\$4,892	\$12,960	\$12,960	\$12,960	\$12,960	\$12,960	\$12,960
<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 aircraft protection against advanced air-to-air and surface-to-air infrared weapon systems. 2. This item is procured through the Single Manager for Conventional Ammunition. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - L410)						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
M211 FLARE	A	34,521	\$4,902	34,451	\$4,892	89,390	\$12,960	87,551	\$12,960	
Totals:			\$4,902		\$4,892		\$12,960		\$12,960	
Remarks:										
			P-1 ITEM NO 15				PAGE NO: 116			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT 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	
M211 FLARE										
FY01	34488	142.00	AFMC/OO-ALC	MIPR/C/FFP	ARMY/OSC, ALLOY SURFACES; ASTON, PA	FEB 03	JUN 03			
FY02	10617	142.00	AFMC/OO-ALC	MIPR/C/FFP	ARMY/OSC, ALLOY SURFACES; ASTON, PA	FEB 03	JUN 03			
FY02	23904	142.00	AFMC/OO-ALC	MIPR/C/FFP	ARMY/OSC, ALLOY SURFACES; ASTON, PA	NOV 02	FEB 03			
FY03	34451	142.00	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, ALLOY SURFACES; ASTON, PA	FEB 03	JUN 03	Y		
FY04	89390	144.98	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, ALLOY SURFACES; ASTON, PA	MAR 04	JAN 05	Y		
FY05	87551	148.03	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC, ALLOY SURFACES; ASTON, PA	MAR 05	JAN 06	Y		
REMARKS: Ramp up to 8,000 per month capacity begins Jun 03. FY04 and FY05 delivery schedules based on lead time.										
		P-1 ITEM NO 15			PAGE NO: 117			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-62)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$0	\$4,462	\$9,200	\$9,200	\$9,200	\$9,200	\$9,200	\$9,200
Description: <p>1. The MJU-62, formerly called the TH-7S, is an advanced-solution, multi-spectral flare under development as part of a multi-flare (cocktail) solution to protect transport aircraft from the threat of advanced-designed infrared missiles.</p> <p>2. This item is procured through the Advanced Strategic and Tactical Infrared Expenditures System Program Office, Wright Patterson AFB, OH.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)													DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: FLARES (MJU-62)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005				
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST		
MJU-62 FLARE (1)	A				15,493	288.00	4,462	31,381	293.18	9,200	30,803	298.66	9,200		
TOTALS:							4,462			9,200			9,200		
REMARKS: (1) Prices are based on then year dollars.															
		P-1 ITEM NO 15				PAGE NO: 119						Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-51 FLARE - LA20)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$1,585	\$4,990	\$6,300	\$6,300	\$6,300	\$6,300	\$6,300	\$5,800
<p>Description:</p> <p>1. The MJU-51 is a pyrophoric decoy developed as an advanced infrared countermeasure to defeat advanced-technology missile threats. The MJU-51 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 ground monitoring and attack, and does not blind a pilot wearing night vision goggles.</p> <p>2. IAW the acquisition strategy plan, the Advanced Strategic and Tactical Infrared Enhancement System Program Office is managing the first two production buys of the MJU-51 (FY02 and FY03 funding), via use of a Navy Blanket Order of Agreement. Subsequent lots will be procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: FLARES (MJU-51 FLARE - LA20)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
HARDWARE													
MJU-51	A	8,688	178.00	1,546	26,579	183.00	4,864	32,665	188.00	6,141	31,820	193.00	6,141
PRODUCTION SUPPORT				{39}			{126}			{159}			{159}
NAVY ENGINEERING				39			126			159			159
TOTALS:				1,585			4,990			6,300			6,300
REMARKS:													
		P-1 ITEM NO 15				PAGE NO: 122					Page 1 of 1		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-51 FLARE - LA20)						
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	
FY02	8,688	178.00	AFMC/ASC	MIPR/SS/FFP	NAVY/CRANE, ALLOY SURFACES; ASTON, PA	DEC 02	MAY 03			
FY03	26,579	183.00	AFMC/ASC	MIPR/SS/FFP	NAVY/CRANE, ALLOY SURFACES; ASTON, PA	MAR 03	AUG 03	Y		
FY04	32,665	188.00	AFMC/OO-ALC	MIPR/SS/FFP	ALLOY SURFACES; ASTON, PA	FEB 04	JUL 04	Y		
FY05	31,820	193.00	AFMC/OO-ALC	MIPR/SS/FFP	ALLOY SURFACES; ASTON, PA	FEB 05	JUL 05	Y		
REMARKS:										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$15,558	\$24,880	\$21,424	\$24,151	\$24,725	\$24,679	\$65,421	\$62,460
<p>Description:</p> <p>1. All listed items on the following P-40A-IL have a FY04 procurement value of less than \$5,000,000 and are Code A.</p> <p>2. Representative items requested in FY04 are identified on the following P40A-IL. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)					DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN	FY2004		FY2005		
		QTY.	COST	QTY.	COST	
SIG KIT, PRSNL DISTRESS (L283)		36,786	\$2,032	36,246	\$2,050	
M-212 (LA15)		32,181	\$2,300	31,519	\$2,300	
ALA-17B FLARE CARTRIDGE (LY12)		6,954	\$3,500	6,820	\$3,500	
MJU-47/B		11,229	\$3,762	11,229	\$3,762	
MJU-48/B		9,822	\$3,280	9,822	\$3,280	
MJU-53		25,157	\$2,868	25,157	\$2,868	
SIG KIT PRSNL DISTRESS (L119)		2,388	\$150	2,343	\$150	
LUU-5 TARGET MARK, GREEN (L661)		0	\$0	807	\$910	
FLARE DISP ADAPTER KIT (SUU-25)		6,369	\$50	10,238	\$80	
MJU-52		120,000	\$3,000	116,504	\$3,000	
COMBAT RESCUE AND RECOVERY		944	\$482	4,409	\$2,251	
TOTALS:			\$21,424		\$24,151	
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (OVERVIEW)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$0	\$35,136	\$36,466	\$36,612	\$62,746	\$56,373	\$59,000	\$59,000
<p>Description:</p> <p>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 FMU-152/B (Joint Programmable Fuze), DSU-33 proximity sensor fuze, FMU-139A/B, and FMU-143B/B fuzes.</p> <p>2. Prior to FY03, some fuzes were included in the General Purpose Bombs P1 line. FY02 funding for all fuzes is included in General Purpose Bombs P-1 line number 4. For FY03 and beyond, the combined fuze funding is as shown.</p> <p>3. Items procured during execution may change based on the most critical munitions/equipment needed to support Air Force mission requirements.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
JOINT PROGRAMMABLE FUZE	A			943	\$6,799	6,320	\$16,143	10,822	\$27,117
FMU-139 PROXIMITY SENSOR FUZE	A			4,391	\$11,133	4,168	\$11,000		
DSU-33B/B PROXIMITY SENSOR (BY30)	A			14,677	\$18,337	6,625	\$9,323	6,971	\$9,495
Totals:					\$36,269		\$36,466		\$36,612
<p>Remarks:</p> <p>These fuzes were previously procured by the Air Force and are consolidated into one P-1 line. FY02 funding for all fuzes is included in General Purpose Bombs (P-1 line number 4).</p>									
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES-JPF				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$0	\$5,666	\$16,143	\$27,117	\$53,337	\$50,084	\$59,000	\$59,000
<p>Description:</p> <p>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 (JDAM) 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 backward compatible with MK-80 series guided and unguided bombs. It will replace or supplement FMU-139, FMU-143, FMU-124, and M904/M905 fuzes, and provide the next generation of fuzing capability for hard target, general purpose and guided bombs.</p> <p>2. This item is procured through the Air Armament Center, Eglin AFB.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: FEBRUARY 2003						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: FUZES-JPF						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
HARDWARE							{1,289}			{13,938}			{24,821}
FMU-152/B FUZE	A				502	2568.66	1,289	6,320	2,205.34	13,938	10,822	2,293.55	24,821
PRODUCTION SUPPORT							{1,174}			{1,215}			{1,266}
ECO/ECP							433			458			492
CONTRACTOR SUPPORT							741			757			774
NONRECURRING TESTING							{3,203}			{990}			{1,030}
QUAL/FAAT/GOVT QUAL/LEGACY WPNS TESTING							2,500			269			290
LIFE CYCLE TEST SET							703			721			740
TOTALS:							5,666			16,143			27,117
REMARKS: Unit cost for FY04 decreased due to procurement of a larger quantity.													
		P-1 ITEM NO 16				PAGE NO: 129				Page 1 of 1			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
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	
FMU-152/B FUZE										
FY99	976	2,268.88	AFMC/AAC	OPT/FFP	KAYMAN/DAYRON ORLANDO, FL	APR 02	JUL 03			
FY00	4,000	2,268.88	AFMC/AAC	OPT/FFP	KAYMAN/DAYRON ORLANDO, FL	OCT 02	OCT 03			
FY03	502	2,568.66	AFMC/AAC	OPT/FFP	KAYMAN/DAYRON ORLANDO, FL	JUL 03	AUG 04	Y		
FY04	6,320	2,205.34	AFMC/AAC	OPT/FFP	KAYMAN/DAYRON ORLANDO, FL	FEB 04	FEB 05	Y		
FY05	10,822	2,293.55	AFMC/AAC	OPT/FFP	KAYMAN/DAYRON ORLANDO, FL	FEB 05	FEB 06	Y		
REMARKS: The basic contract was awarded to Dayron, Orlando, FL on 19 Jun 98 for first article acceptance test and low rate initial production (LRIP). The contract includes firm fixed price options for FY99-03 and additional options for FY04-07 under a production price commitment curve.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES-FMU-139B/B, G119				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$0	\$11,133	\$11,000	\$0	\$0	\$0	\$0	\$0
<p>Description:</p> <p>1. The FMU-139B/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 Joint Directed Attack Munition.</p> <p>2. FMU-139 Fuze inventories remained close to the inventory objective, and hence were not procured for several years. The need to buy in FY03 and FY04 is driven by significant expenditures in Operations Enduring Freedom, Northern Watch and Southern Watch.</p> <p>2. This item is procured through the Naval Air Systems Command.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)													DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: FUZES-FMU-139B/B, G119							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
FMU-139B/B	A				4,391	2,500.51	10,980	4,168	2,600.53	10,839				
NAVY ENGINEERING SUPPORT							153			161				
TOTALS:							11,133			11,000				
REMARKS:														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES-FMU-139B/B, G119						
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-139B/B										
FY03	4,391	2,500.51	AFMC/OO-ALC	MIPR/SS/FP W/OPT	NAVAL AIR SYSTEMS COMMAND, ALLIANT TECH SYSTEMS, MN	MAR 03	SEP 03	Y		
FY04	4,168	2,600.53	AFMC/OO-ALC	MIPR/SS/FP W/OPT	NAVAL AIR SYSTEMS COMMAND, ALLIANT TECH SYSTEMS, MN	MAR 04	MAR 04	Y		
REMARKS: Technical drawing updates caused the FY03 production lead time to increase to 18 months.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: DSU-33B/B PROXIMITY SENSOR				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$0	\$18,337	\$9,323	\$9,495	\$9,409	\$6,289	\$0	\$0
<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 (SAM) and Anti-Aircraft Artillery (AAA). The DSU-33B/B incorporates several important operational improvements over the DSU-33A/B. These improvements include compatibility with Joint Direct Attack Munition (JDAM) 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 live as well as increased ruggedness and full compatibility with Navy weapons. 2. FY03 funding increased to support the war on terrorism. Out-year requirements decreased in comparison with earlier projections, i.e. the DSU-33B/B has a low training expenditure requirement, making procurement in FY08 and FY09 not required. 3. The DSU-33B/B was previously procured by the Air Force. It and other fuzes are consolidated into one P-1 line. FY02 funding for all fuzes is included in General Purpose Bombs, P-1 line number 4. 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 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: DSU-33B/B PROXIMITY SENSOR						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2002			FY2003			FY2004			FY2005		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
HARDWARE				{8,613}			{17,159}			{8,122}			{8,268}
DSU-33B/B	A	6,271	1,373.50	8,613	7,195	1,174.33	8,449	6,625	1,226.00	8,122	6,971	1,186.00	8,268
					7,482	1,164.07	8,710						
PRODUCTION SUPPORT				{1,153}			{1,178}			{1,201}			{1,227}
ECO/ECP				450			454			466			475
PROGRAM MANAGEMENT ADMIN				280			284			290			299
CONTRACTOR SUPPORT				423			440			445			453
TOTALS:				9,766			18,337			9,323			9,495
REMARKS: 2. DSU-33B/B was previously procured by the Air Force. It and other fuzes are consolidated into one P-1 line. FY02 funding for all fuzes is included in (P-1 line number 4) General Purpose Bombs.													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: 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										
FY02	6,271	1,373.50	AFMC/AAC	SS/FFP W/OPT	ALLIANT, JANESVILLE, WI	SEP 02	NOV 02			
FY03	7,195	1,174.33	AFMC/AAC	SS/FFP W/OPT	ALLIANT, JANESVILLE, WI	FEB 03	NOV 03	Y		
FY03	7,482	1,164.07	AFMC/AAC	SS/FFP W/OPT	ALLIANT, JANESVILLE, WI	FEB 03	APR 04	Y		
FY04	6,625	1,226.00	AFMC/AAC	SS/FFP W/OPT	ALLIANT, JANESVILLE, WI	FEB 04	NOV 04	Y		
FY05	6,971	1,186.00	AFMC/AAC	SS/FFP W/OPT	ALLIANT, JANESVILLE, WI	FEB 05	NOV 05	Y		
REMARKS: 1. In Sep 02 a contract option was awarded. 2. Two options will be awarded in Feb 03.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (OVERVIEW)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$2,378	\$4,131	\$19,033	\$10,949	\$1,962	\$1,954	\$1,991	\$2,026
<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. 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 FY04 are identified on the accompanying P-40A. 3. In FY02 Small Arms received \$33M as part of the Defense Emergency Relief Fund (DERF). Funding was used to purchase M-240 machine guns (\$28M) and M4 carbine rifles (\$15M) in support of Operations Enduring Freedom and Noble Eagle. 4. FY04 and FY05 funding increases are due to direction by the President of the United States for increased Force Protection as a result of the war on terrorism. 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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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M-4 CARBINE	A	1,742	\$2,021	3,768	\$3,720	17,838	\$17,928	10,444	\$10,695
ITEMS LESS THAN 5 MILLION	A		\$357		\$411		\$1,105		\$254
Totals:			\$2,378		\$4,131		\$19,033		\$10,949
Remarks: FY03 Presidential Budget submission does not show an Items Over \$5M line. Increased funding due to presidential direction forced the new breakout of procurement plans.									
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2003		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: M-4 ASSAULT CARBINE				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY	1,742	3,768	17,838	10,444	1,876	1,835	1,838	1,835
COST (in Thousands)	\$2,021	\$3,720	\$17,928	\$10,695	\$1,959	\$1,951	\$1,991	\$2,026
<p>Description:</p> <p>1. The M4 Carbine (NSN: 1005-01-231-0973) is a 5.56mm, gas operated, air cooled, shoulder fired weapon. The M4 has a three round burst trigger mechanism and is classified as an individual combat weapon. Complete system includes the Carbine, the M68 Close Combat Optic, Blank Firing Attachment, and Back-up Iron Site (BUIS) providing the war fighter with an all-in-one combat weapon. The M4 increases the combat power available to the war fighter by providing capabilities (lighter, more accurate) and flexibility (more attachments for shooting accuracy) not presently available in the inventory of fielded small arms.</p> <p>2. FY04 and FY05 funding increases are due to direction by the President of the United States for increased Force Protection as a result of the war on terrorism.</p> <p>3. This item is procured through the Single Manager for Conventional Ammunition.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS						
PROCUREMENT ITEMS	ID CODE	FY2002		FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
M-4 CARBINE	A	1,742	\$2,021	3,768	\$3,720	17,838	\$17,928	10,444	\$10,695	
Totals:			\$2,021		\$3,720		\$17,928		\$10,695	
Remarks:										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2003			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: M-4 ASSAULT CARBINE						
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	
M-4 CARBINE										
FY02	1,742	1,160.00	AFMC/WR-ALC	MIPR/SS/FFP	ARMY/OSC, COLT MANUFACTURING CO, CT	OCT 02	NOV 02			
FY03	3,768	987.00	AFMC/WR-ALC	MIPR/SS/FFP	ARMY/OSC, COLT MANUFACTURING CO, CT	APR 03	MAY 04	Y		
FY04	17,838	1,005.00	AFMC/WR-ALC	MIPR/SS/FFP	ARMY/OSC, COLT MANUFACTURING CO, CT	APR 04	MAY 05	Y		
FY05	10,444	1,024.00	AFMC/WR-ALC	MIPR/SS/FFP	ARMY/OSC, COLT MANUFACTURING CO, CT	APR 05	MAY 06	Y		
<p>REMARKS:</p> <p>(1) FY03 -FY05 prices are Army/OSC then-year cost estimates.</p> <p>(2) The FY02 contract was issued late due to multiple subcontractor problems which have been resolved.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (LESS THAN \$5M)				
	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)	\$357	\$411	\$1,105	\$254	\$3	\$3	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 1. This small arms line encompasses small-caliber hand-fired weaponry used to support air base ground defense, aircrew protection, Office of Special Investigations, operations, security functions, and other activities requiring small portable firearms. 2. This line 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 FY04 are identified on the accompanying P-40A-IL. 3. Funding increases in FY02 through FY05 are for recapitalization of items left in place to support Operation Enduring Freedom. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2003	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: SMALL ARMS (LESS THAN \$5M)			
PROCUREMENT ITEMS	NSN	FY2004		FY2005	
		QTY.	COST	QTY.	COST
9MM GENERAL OFFICER PISTOL		5	\$3	5	\$3
WEAPONS CONTAINER		4	\$2	41	\$20
NIGHT VISION PVS-4		21	\$232	0	\$0
SHOTGUN		900	\$200	0	\$0
MORTAR COMPUTER		18	\$508	8	\$231
SIGHT, TELE		661	\$160	0	\$0
TOTALS:			\$1,105		\$254
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