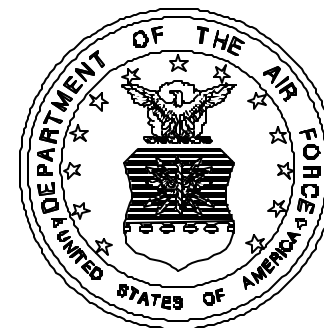


UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

FISCAL YEAR (FY) 2005
BUDGET ESTIMATES

PROCUREMENT OF AMMUNITION

FEBRUARY 2004

UNCLASSIFIED

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

Table of Contents

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

PROCUREMENT OF AMMUNITION, AF

<u>P-1 Line No.</u>	<u>Item</u>	<u>Page No.</u>
1	Rockets.....	1
2	Cartridges.....	14
3	Practice Bombs.....	43
4	General Purpose Bombs.....	59
5	Sensor Fuzed Weapon.....	90
6	Joint Direct Attack Munition.....	93
7	Wind Corrected Munitions Dispenser.....	98
8	CAD/PAD.....	102
9	Explosives Ordnance Disposal.....	104
10	Spares & Repair Parts.....	108
12	Modifications Less Than \$5M.....	110
13	Items Less Than \$5M.....	111
14	Flares.....	113
15	Fuzes.....	153
16	Small Arms.....	166

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, 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, 1,396,457,000 to remain available for obligation until September 30, 2007.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (OVERVIEW)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$59,795	\$64,017	\$34,557	\$44,616	\$66,208	\$71,668	\$99,548
<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 aircraft pylons. The 2.75-inch diameter rocket with folding fins utilizes high explosive, white phosphorous, or target practice warheads, and is fired from either high or low speed aircraft. Three versions of the 2.75-inch rocket motor are in use: the MK 4, MK 40 and MK 66. 2. FY03 Rockets funding was increased by \$1,200,000 (FY03 Supplemental) for recapitalization of expended rockets during Opertion Iraqi Freedom. 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 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
75 INCH ILLUM (H812)	A			6,693	\$8,206	6,861	\$9,265	1,085	\$1,800	
75 INCH ROCKET MOTOR (HA07)	A			87,685	\$40,319	73,255	\$34,443	21,488	\$11,947	
75 INCH ROCKET FLARE (HA06)	A			6,506	\$7,928	8,871	\$10,986	9,540	\$12,000	
ITEMS LESS THAN 5 MILLION	A				\$3,342		\$9,323		\$8,810	
TOTALS:					\$59,795		\$64,017		\$34,557	
<p>Remarks: Cost information is in thousands of dollars.</p>										
			P-1 ITEM NO 1				PAGE NO: 2			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ILLUM - H812)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$8,206	\$9,265	\$1,800	\$4,800	\$3,800	\$5,900	\$9,700
<p>Description:</p> <ol style="list-style-type: none"> 1. The 2.75 inch illumination (H812) warhead mates to the 2.75 inch rocket motor (HA07) and deploys a visible spectrum flare that is attached to a parachute for paced descent. This warhead provides standoff capability during night operations when/where target illumination is required. The asset supports Forward Air Control operations. 2. FY03 funding was increased by \$532,000 (FY03 Supplemental) for recapitalization of expended warheads during Operation Iraqi Freedom. 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 2004				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: ROCKETS (2.75 INCH ILLUM - H812)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				6,693	\$1,196	\$8,002	7,006	\$1,312	\$9,193	1,303	\$1,371	\$1,786	
PRODUCTION SUPPORT							{\$204}			{\$72}			{\$14}	
PRODUCT SUPPORT							\$117			\$72			\$14	
PRODUCTION MANAGEMENT SUPPORT							\$87							
TOTALS:							\$8,206			\$9,265			\$1,800	
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>Production management support costs in FY04 and FY05 were eliminated by Army as they transitioned rocket management from JMC to Redstone Arsenal.</p>														
				P-1 ITEM NO 1					PAGE NO: 4					

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	6,693	\$1,196	AFMC/OC-ALC	MIPR/OPT/FP	ARMY/GDOS/BURLINGTON, VT	Jun-03	Nov-04			
FY2004	7,006	\$1,312	AFMC/OC-ALC	MIPR/SS/FP W/OPT	ARMY/GDOS/BURLINGTON, VT	Mar-04	Sep-05	Yes		
FY2005	1,303	\$1,371	AFMC/OC-ALC	MIPR/OPT/FP	ARMY/GDOS/BURLINGTON, VT	Mar-05	Sep-06	Yes		
PRODUCTION SUPPORT										
<p>Remarks: Cost information is in actual dollars.</p> <p>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 (CLN) 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>										
P-1 ITEM NO 1			PAGE NO: 5			Page 1 of 1				

UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET MOTOR - HA07)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$40,319	\$34,443	\$11,947	\$13,506	\$26,918	\$27,778	\$52,815
<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 Warhead (H812), 2.75 inch Rocket Flares(HA06), 2.75 inch WP Warhead (H855), and 2.75 inch Signature Practice Warhead (H872) to their targets. The 2.75" Rocket is used primarily to mark target locations for other aircraft. 2. FY03 funding was increased by \$688,000 (FY03 Supplemental) for recapitalization of expended rocket motors during Operation Iraqi Freedom. 3. This item is procured through the Single Manager for Conventional Ammunition. 								
	P-1 ITEM NO 1		PAGE NO: 6		Page 1 of 1			

UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET MOTOR - HA07)										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				87,685	\$433	\$37,993	77,211	\$438	\$33,794	26,496	\$442	\$11,715		
PRODUCTION SUPPORT							{\$2,326}			{\$648}			{\$232}		
PRODUCTION ENGINEERING							\$721			\$648			\$232		
PRODUCTION MANAGEMENT SUPPORT							\$1,605								
TOTALS:							\$40,319			\$34,443			\$11,947		
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>Production management support costs in FY04 and FY05 were eliminated by Army as they transitioned rocket management from JMC to Redstone Arsenal.</p>															
				P-1 ITEM NO 1								PAGE NO: 7		Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET MOTOR - HA07)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
2.75 ROCKET MOTOR										
FY2003	87,685	\$433	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, GDOS/BURLINGTON, VT	Apr-03	Feb-05			
FY2004	77,211	\$438	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/ARMY/OSC, GDOS/BURLINGTON, VT	Mar-04	Sep-05	Yes		
FY2005	26,496	\$442	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, GDOS/BURLINGTON, VT	Mar-05	Sep-06	Yes		
PRODUCTION SUPPORT										
<p>Remarks: Cost information is in actual dollars.</p> <p>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 Number (CLN) by calendar year pricing period and production quantity ranges. Plan is to accomplish the FY04-FY05 procurement through a sole-source add-on to the existing contract.</p>										
P-1 ITEM NO 1			PAGE NO: 8			Page 1 of 1				

UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET FLARE - HA06)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$7,928	\$10,986	\$12,000	\$14,200	\$16,600	\$17,200	\$19,700
<p>Description:</p> <p>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.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition.</p>								
	P-1 ITEM NO 1		PAGE NO: 9		Page 1 of 1			

UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET FLARE - HA06)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				6,506	\$1,191	\$7,751	9,062	\$1,204	\$10,906	9,803	\$1,216	\$11,918
PRODUCTION SUPPORT							{\$177}			{\$80}			{\$82}
PRODUCTION ENGINEERING							\$80			\$80			\$82
PRODUCTION MANAGEMENT SUPPORT							\$97						
TOTALS:							\$7,928			\$10,986			\$12,000

Remarks:
 Total Cost information is in thousands of dollars.

Production management support costs in FY04 and FY05 were eliminated by Army as they transitioned rocket management from JMC to Redstone Arsenal.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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	
75 INCH ROCKET FLARE (HA06)										
FY2003	6,506	\$1,191	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/OSC, GDOS/BURLINGTON, VT	Dec-02	Mar-04			
FY2004	9,062	\$1,204	AFMC/OO-ALC	MIPR/SS/FP W/OPT	ARMY/OSC, GDOS/BURLINGTON, VT	Mar-04	Sep-05	Yes		
FY2005	9,803	\$1,216	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/OSC, GDOS/BURLINGTON, VT	Mar-05	Sep-06	Yes		
PRODUCTION SUPPORT										
<p>Remarks: Cost information is in actual dollars.</p> <p>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				

UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: ROCKETS (ITEMS LESS THAN \$5 MILLION)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$3,342	\$9,323	\$8,810	\$12,110	\$18,890	\$20,790	\$17,333
Description: <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 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ROCKETS (ITEMS LESS THAN \$5 MILLION)
--	---

PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
WHD 2.75 RKT SMK M156 PD M427 (H855)				4,553	\$4,689
75 INCH SIGNATURE (H872)				21,390	\$2,320
RKT MOTOR GTR-18 (YW33)				12,748	\$1,800
TOTALS:					\$8,810

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$131,626	\$150,607	\$149,100	\$155,371	\$158,771	\$161,854	\$159,757
<p>Description:</p> <ol style="list-style-type: none"> 1. The items within this category include various bullets, expulsion devices (impulse cartridges) and airborne counter measures used to support training qualification and war reserve requirements. Impulse cartridges are used to expel an asset from its mating system (an adapter rack or casing). 2. Representative items requested in FY05 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. 3. FY03 Cartridge funding increased \$10,900,000 (FY03 Supplemental) for recapitalization of munitions expended during Operation Iraqi Freedom. 4. Cartridges (30MM) received \$12,000,000 as a Congressional Add in the Appropriations Conference Report 108-283, dated 24 Sep 03. 								
	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 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
20MM TP PGU-27 (AA24)	A			1,993,324	\$24,065	1,850,967	\$22,199	1,186,250	\$14,528	
30MM PGU-15/B (B116)	A			2,441,445	\$27,700	4,761,586	\$54,271	4,897,959	\$54,761	
BBU-35 IMPULSE CARTRIDGE (MG62)	A			7,738,849	\$10,019	11,339,130	\$13,040	7,524,369	\$8,954	
RR-188 TRAINING CHAFF (3W37)	A			2,498,722	\$7,821	4,083,072	\$13,025	3,285,389	\$10,690	
5.56MM FRANGIBLE (AA40)	A			29,987,500	\$7,197	31,200,000	\$7,800	19,320,769	\$5,000	
7.62MM BALL TRACER 9/1 (A168)	A			10,623,214	\$6,052	12,555,555	\$5,769	13,316,705	\$6,231	
7.62MM AP 4-1 M993 (AA04)	A			54,271	\$96	372,183	\$694	2,889,362	\$5,300	
ITEMS LESS THAN 5 MILLION DOLLARS	A				\$48,676		\$33,809		\$43,636	
TOTALS:					\$131,626		\$150,607		\$149,100	
Remarks: Cost information is in thousands of dollars.										
			P-1 ITEM NO 2				PAGE NO: 15			
							Page 1 of 1			

UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$24,065	\$22,199	\$14,528	\$13,318	\$13,609	\$14,500	\$15,000
<p>Description:</p> <ol style="list-style-type: none"> 1. The 20 MM target practice (TP) round is used for air-to-air and air-to-ground training in the M61 aircraft gun on 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. 2. This item is procured through the Army Single Manager for Conventional Ammunition. 3. Representative items requested in FY05 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: 16		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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 (GDOTS)	A				1,993,324	\$5.40	(\$10,764)	1,850,967	\$5.97	{\$11,057}	1,186,250	\$6.11	(\$7,250)	
LOAD, ASSEMBLE, PACK					1,993,324	\$5.28	\$10,525	1,850,967	\$5.87	\$10,865	1,178,943	\$5.99	\$7,062	
PALLET MK 3-0					391	\$103.19	\$40	310	\$134.25	\$42	237	\$104.67	\$25	
BOX METAL M548					7,998	\$20.30	\$162	6,349	\$23.46	\$149	4,847	\$24.57	\$119	
20MM TP (SNC)	A				2,590,897	\$5.06	(\$13,105)	1,850,967	\$5.97	{\$11,057}	1,186,250	\$6.11	(\$7,250)	
LOAD, ASSEMBLE, PACK					2,590,897	\$4.96	\$12,851	1,850,967	\$5.87	\$10,865	1,178,943	\$5.99	\$7,062	
BOX METAL M548					390	\$103.19	\$40	310	\$134.25	\$42	236	\$104.67	\$25	
PALLET MK3-0					7,997	\$20.30	\$162	6,348	\$23.46	\$149	4,846	\$24.57	\$119	
PRODUCTION SUPPORT							{\$196}			{\$85}			{\$27}	
QUALITY ASSURANCE							\$19			\$85			\$27	
ACCEPTANCE TESTING							\$27							
NAVY ENGINEERING SUPPORT							\$150							
TOTALS:							\$24,065			\$22,199			\$14,528	
Remarks:														
				P-1 ITEM NO 2					PAGE NO: 17					
												Page 1 of 2		

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)								DATE: FEBRUARY 2004							
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 2				PAGE NO: 18				Page 2 of 2			

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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 (GDOTS)										
FY2003	1,993,324	\$5.40	AFMC/OO-ALC	MIPR/C/FFP	ARMY/JMC, GDOTS/MARION, IL	Dec-03	Apr-04			
FY2004	1,850,967	\$5.97	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-04	Mar-05	Yes		
FY2005	1,186,250	\$6.11	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-05	Mar-06	Yes		
20MM TP (SNC)										
FY2003	2,590,897	\$5.06	AFMC/OO-ALC	MIPR/C/FFP	ARMY/JMC, CANADIAN COMMERCIAL CORPORATION/OTTAWA ONTARIO, CA	Dec-03	Apr-04			
FY2004	1,850,967	\$5.97	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-04	Mar-05	Yes		
FY2005	1,186,250	\$6.11	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Mar-05	Mar-06	Yes		
Remarks:										
Cost information is in actual dollars.										
FY03 procurements split between General Dynamics Ordnance Tactical Systems and Canadian Commercial Corporation.										
P-1 ITEM NO 2			PAGE NO: 19			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$27,700	\$54,271	\$54,761	\$58,057	\$56,790	\$55,800	\$55,000
<p>Description:</p> <ol style="list-style-type: none"> 1. The 30MM target practice (TP) cartridge is a solid, inert projectile used to train aircrew in the use of the GAU-8/A cannon on the A-10 aircraft and the PGU-5/A 30MM gun pod on the F-16 aircraft. The cartridge is mechanically primed and has no fuze, while the projectile is a solid slug designed to match the ballistics of high explosive incendiary and armor piercing incendiary cartridges. 2. This item is procured through the Single Manager for Conventional Ammunition. 3. 30MM received \$12,000,000 as a Congressional Add in the Appropriations Conference Report 108-283, dated 24 Sep 03. 4. Representative items requested in FY05 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: 20		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				2,441,445	\$11.29	(\$27,566)	4,761,586	\$11.39	(\$54,224)	4,897,959	\$11.18	(\$54,744)		
TUBE AND STRAP ASSEMBLY					4,416	\$357.87	\$1,580	9,295	\$312.82	\$2,908	8,819	\$358.81	\$3,164		
CONTAINER CNU-332E					4,416	\$90.43	\$399	9,295	\$89.85	\$835	8,819	\$96.84	\$854		
LOAD,ASSEMBLE,PACK					2,441,445	\$10.43	\$25,463	4,761,586	\$10.65	\$50,711	4,897,959	\$10.35	\$50,694		
PRODUCTION SUPPORT							(\$134)			(\$47)			(\$17)		
QUALITY ASSURANCE							\$48			\$47			\$17		
INDUSTRIAL STOCK SUPPORT							\$86								
TOTALS:							\$27,700			\$54,271			\$54,761		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 2								PAGE NO: 21		Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
30MM TP										
FY2003	2,441,445	\$11.29	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC/UNKNOWN	Mar-04	Aug-04	Yes		
FY2004	4,761,586	\$11.39	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC/UNKNOWN	May-04	Feb-05	Yes		
FY2005	4,897,959	\$11.18	AFMC/OO-ALC	MIPR/C/FP	ARMY/OSC/UNKNOWN	Mar-05	Aug-05	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Production of this asset was stopped at General Dynamics and Alliant Tech facilities in the fall of FY02 due to abnormal firing incidents. Investigation identified production quality problems as the root cause. Quality deficiencies have been resolved and production has resumed. FY03 contract was on hold until this resolution occurred. FY03 to FY05 contracts expected to be split awarded.</p>										
			P-1 ITEM NO 2			PAGE NO: 22	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (BBU-35 IMP CART, MG62)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$10,019	\$13,040	\$8,954	\$10,000	\$11,500	\$11,250	\$12,900
<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. 2. This item is procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate. 3. FY03 funding increased \$230,000 (FY03 Supplemental) for recapitalization of munitions expended during Operation Iraqi Freedom. 4. Representative items requested in FY05 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements. 								
	P-1 ITEM NO 2		PAGE NO: 23		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (BBU-35 IMP CART, MG62)
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BBU-35/B IMPULSE CARTRIDGE (1)	A			1,140,250	\$3,421				
BBU-35/B IMPULSE CARTRIDGE (2)	A			6,598,599	\$6,599				
BBU-35/B IMPULSE CARTRIDGE (3)	A					11,339,130	\$13,040	7,524,369	\$8,954
TOTALS:					\$10,019		\$13,040		\$8,954

Remarks:

Cost information is in thousands of dollars.

- (1) The FY03 buy was split between Techord and Quantic, this row contains the costs for Quantic
- (2) The FY03 buy was split between Techord and Quantic, this row contains the costs for Techord
- (3) The contractor for FY04 and FY05 procurement is unknown

	P-1 ITEM NO 2		PAGE NO: 24		Page 1 of 1
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UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	6,598,599	\$1.00	AFMC/OO-ALC	C/IDIQ	TECH ORD/ST BONIFACIUS, MN	Nov-03	Feb-04			
FY2003	1,140,250	\$3.00	AFMC/OO-ALC	C/IDIQ	QUANTIC INDUSTRIES/HOLLISTER, CA	Nov-03	Apr-04			
FY2004	11,339,130	\$1.15	AFMC/OO-ALC	OPT/FP	UNKNOWN	Mar-04	Oct-04	Yes		
FY2005	7,524,369	\$1.19	AFMC/OO-ALC	OPT/FP	UNKNOWN	Mar-05	Oct-05	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>FY03 is the base year contract. The future year contracts will be options to the existing IDIQ contracts set up with each vendor and the total procurement will be split.</p>										
			P-1 ITEM NO 2			PAGE NO: 25				Page 1 of 1

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES - RR-188 CHAFF (3W37)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$7,821	\$13,025	\$10,690	\$12,780	\$12,870	\$14,000	\$13,750
<p>Description:</p> <ol style="list-style-type: none"> 1. The RR-188 chaff cartridge contains a payload of chaff that is dispensed during flight to meet aircrew training requirements. The functional characteristics are similar to RR-170 and RR-180 chaff countermeasures cartridges used in combat situations, however, the use of RR-170 and RR-180 chaff for training is severely limited by Federal Aviation Administration (FAA) regulations due to interference with air traffic control radar. The RR-188 provides the necessary alternative for realistic combat aircrew training since it does not interfere with air traffic control radar. 2. Like the combat chaff cartridges, the RR-188 fits into a multiple cartridge magazine (MJU-11 or MJU-15) used in any of the ALE-40 series flare/chaff dispensing systems on several types of aircraft. The chaff cartridge contains no explosive or incendiary components when the impulse cartridge is not installed. 3. This item is procured through the Navy. All prices are provided by the Navy. 4. Representative item requested in FY05 is identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements. 								
	P-1 ITEM NO 2		PAGE NO: 26		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

CARTRIDGES - RR-188 CHAFF (3W37)

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
RR-188 CHAFF	A			2,498,722	\$7,821	4,083,072	\$13,025	3,285,389	\$10,690
TOTALS:					\$7,821		\$13,025		\$10,690

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO

2

PAGE NO:

27

Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES - RR-188 CHAFF (3W37)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
RR-188 CHAFF										
FY2003	2,498,722	\$3.13	AFMC/OO-ALC	MIPR/SS/FP	NAVY/ARMTEC/LILLINGTON, NC	Mar-03	Jan-04			
FY2004	4,083,072	\$3.19	AFMC/OO-ALC	MIPR/OPT/FP	NAVY/ARMTEC/LILLINGTON, NC	Mar-04	Feb-05	Yes		
FY2005	3,285,389	\$3.25	AFMC/OO-ALC	MIPR/OPT/FP	NAVY/ARMTEC/LILLINGTON, NC	Mar-05	Feb-06	Yes		
Remarks: Cost information is in actual dollars.										
P-1 ITEM NO 2			PAGE NO: 28			Page 1 of 1				

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (5.56 FRANG_AA40)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$7,197	\$7,800	\$5,000	\$4,830	\$5,000	\$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 FY05 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements. 								
	P-1 ITEM NO 2		PAGE NO: 29		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

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

DATE: FEBRUARY 2004

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:
CARTRIDGES (5.56 FRANG_AA40)

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
56 FRANG	A			29,987,500	\$7,197	31,200,000	\$7,800	19,230,769	\$5,000
TOTALS:					\$7,197		\$7,800		\$5,000

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO
2

PAGE NO:
30

Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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	
56 FRANG										
FY2003	29,987,500	\$0.24	AFMC/OO-ALC	MIPR/OPT/FP	MARINES/MARINE CORPS, FEDERAL ARMS/ANOKA, MN	Feb-03	May-04			
FY2004	31,200,000	\$0.25	AFMC/OO-ALC	MIPR/OPT/FP	MARINES/MARINE CORPS, FEDERAL ARMS/ANOKA, MN	Apr-04	May-05	Yes		
FY2005	19,230,769	\$0.26	AFMC/OO-ALC	MIPR/OPT/FP	MARINES/MARINE CORPS, FEDERAL ARMS/ANOKA, MN	Apr-05	May-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Options are to the FY02 Indefinite Delivery Indefinite Quantity contract.</p>										
			P-1 ITEM NO 2			PAGE NO: 31				Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (7.62MM -A168)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$6,052	\$5,769	\$6,231	\$6,900	\$7,200	\$7,500	\$10,250
<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 FY05 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: 32		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (7.62MM -A168)										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
62MM BALL TRACER	A				10,623,214	\$0.56	\$5,949	12,555,555	\$0.45	\$5,650	13,316,705	\$0.46	\$6,126		
PRODUCTION SUPPORT							{\$103}			{\$119}			{\$105}		
PRODUCTION ENGINEERING							\$90			\$112			\$105		
QUALITY ASSURANCE							\$5			\$7					
INDUSTRIAL STOCK SUPPORT							\$8								
TOTALS:							\$6,052			\$5,769			\$6,231		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 2								PAGE NO: 33		Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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	
62MM BALL TRACER										
FY2003	10,623,214	\$0.56	AFMC/OO-ALC	MIPR/SS/FP	ARMY/JMC, ALLIANT TECH (LCAAP)/INDEPENDENCE, MO	Jan-03	Mar-04			
FY2004	12,555,555	\$0.45	AFMC/OO-ALC	MIPR/SS/FP	ARMY/JMC, ALLIANT TECH (LCAAP)/INDEPENDENCE, MO	Mar-04	Dec-04	Yes		
FY2005	13,316,705	\$0.46	AFMC/OO-ALC	MIPR/SS/FP	ARMY/JMC, ALLIANT TECH (LCAAP)/INDEPENDENCE, MO	Mar-05	Dec-05	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>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>										
			P-1 ITEM NO 2			PAGE NO: 34				Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (7.62MM-AP 4-1 M993, AA04)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$96	\$694	\$5,300	\$2,300	\$2,300	\$2,300	\$2,300

Description:

1. The 7.62MM cartridge provides an enhanced armor penetrating capability for use in standard 7.62MM weapons such as the M24 Sniper Weapon and the M60 and M240 machine guns. This item will be linked with M62 Tracer.
2. This item is procured through the Single Manager for Conventional Ammunition.
3. Representative items requested in FY05 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 Fore mission requirements.

	P-1 ITEM NO 2		PAGE NO: 35	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (7.62MM-AP 4-1 M993, AA04)										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
CARTRIDGES 7.62MM M993 (AA04)	A				54,271	\$1.71	(\$93)	372,183	\$1.80	(\$669)	2,889,362	\$1.78	(\$5,150)		
ARMOR PIERCING ROUND					40,704	\$1.74	\$71	279,138	\$1.74	\$486	2,167,022	\$1.74	\$3,771		
TRACER					13,567	\$0.36	\$5	93,045	\$0.38	\$35	722,340	\$0.40	\$290		
LOAD ASSEMBLE PACK (LAP)					54,271	\$0.20	\$11	372,183	\$0.26	\$98	2,889,362	\$0.26	\$751		
PRODUCTION SUPPORT							(\$3)			(\$25)			(\$150)		
ENGINEERING SUPPORT							\$3			\$25			\$150		
TOTALS:							\$96			\$694			\$5,300		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 2								PAGE NO: 36		Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (7.62MM-AP 4-1 M993, AA04)						
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	
CARTRIDGES 7.62MM M993 (AA04)										
FY2003	54,271	\$1.71	AFMC/OO-ALC	MIPR/SS/IDIQ	ARMY/JMC, ALLIANT TECH (LCAAP)/INDEPENDENCE, MO	Aug-03	Apr-04			
FY2004	372,183	\$1.80	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/JMC, ALLIANT TECH (LCAAP)/INDEPENDENCE, MO	Mar-04	Feb-05	Yes		
FY2005	2,889,362	\$1.78	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/JMC, ALLIANT TECH (LCAAP)/INDEPENDENCE, MO	Mar-05	Feb-06	Yes		
PRODUCTION SUPPORT										
<p>Remarks: Cost information is in actual dollars. FY03 is base year.</p>										
P-1 ITEM NO 2			PAGE NO: 37			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$48,676	\$33,809	\$43,636	\$47,186	\$49,502	\$52,381	\$46,706
<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 FY05 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. FY03 Cartridges Items Less funding increased by \$10,670,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom. 								
	P-1 ITEM NO 2		PAGE NO: 38		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
56MM BALL M193 (A071)				11,312,417	\$2,560
56MM BLANK (A080)				5,865,657	\$620
56MM NATO BALL CLIPPED (A059)				4,349,095	\$1,490
56MM 4-1 TRACER (SAW) (A064)				785,854	\$360
56MM BALL (A066)				501,529	\$178
56MM SAW (A062)				4,056,836	\$1,970
56MM SAW BLANK (A075)				2,806,656	\$802
6 MM BLANK (AA32)				1,566,600	\$47
62MM SP BALL M118 (AA11)				737,124	\$385
62MM BALL DIM TRACER (A257)				1,715,522	\$1,229
62MM BALL M80 LINKED/M13 (A143)				4,166,400	\$2,000
62MM LINKED (A164)				9,084,363	\$4,996

	P-1 ITEM NO 2		PAGE NO: 39		Page 1 of 4
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
12 GAUGE DUMMY (AA55)				2,875	\$2
12 GU BEAN BAG (AA29)				1,902	\$7
12 GAUGE BIRDSCARE (AY04)				14,285	\$12
15MM BANGER (LA13)				82,100	\$23
15MM SCREAMER (LA12)				82,100	\$23
9MM BALL (A363)				4,620,000	\$500
9MM BALL FRANGABLE (AA16)				3,674,000	\$1,500
40MM CARTRIDGE PRACTICE M (B576)				111,546	\$1,700
40MM TP M918 LINKED F/MK19 (B584)				10,093	\$200
81MM HE (C868)				2,896	\$654
40MM CARTRIDGE PRACTICE (B519)				281,700	\$1,600
81MM CARTRIDGE SMOKE M853A1 (C871)				1,337	\$740

	P-1 ITEM NO 2		PAGE NO: 40		Page 2 of 4
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
45 CAL BALL WAD (A482)				66,000	\$33
81MM RP (C870)				546	\$260
45 CAL BALL (MATCH GRADE) (A483)				158,000	\$40
50 CAL BALL/TCR LKD M2/M9 (A557)				2,449,000	\$4,609
50 CAL BALL LINK (A555)				168,200	\$300
50 CAL BALL BLANK (A598)				12,400	\$10
CCU-41 IMPULSE CARTRIDGE (MF60)				9,660	\$60
ARD 446-1/B IMPULSE CARTRIDGE (WB33)				80,500	\$500
ARD 863-1A1W IMPULSE CARTRIDGE (M189)				565,000	\$2,497
XM1006 (40MMNL) (BA06)				6,065	\$130
BBU-48 IMPULSE CARTRIDGE (SS27)				107,758	\$1,000
SIGNAL CXU-3A/B (COLD) (F470)				30,202	\$300

	P-1 ITEM NO 2		PAGE NO: 41		Page 3 of 4
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
SIGNAL MK-4 MOD 3 (F562)				265,805	\$1,400
MK84 STUN GRENADE (GG09)				3,623	\$500
BBU-36 IMPULSE CARTRIDGE (MG11)				1,047,096	\$1,623
30 MM HEI PGU-13/B (B104)				39,291	\$2,163
.50 CAL API (A576)				187,265	\$500
7.62MM 4/1 (A131)				3,998,316	\$1,899
12 GUAGE FRANGIBLE (AA82)				416,000	\$104
5.56MM LINKED FRANGIBLE (AA85)				8,444,000	\$2,111
TOTALS:					\$43,636

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 42		Page 4 of 4
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (OVERVIEW)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$65,175	\$45,570	\$46,918	\$50,558	\$51,060	\$50,876	\$48,787

Description:

1. Items in this category consist of non-explosive training shapes used to provide combat air forces with aircrew weapons delivery training. They simulate the drop trajectory of explosives loaded bombs without the explosives.

2. Representative items requested in FY05 are identified on the following P-40A. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.

	P-1 ITEM NO 3		PAGE NO: 43	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

PRACTICE BOMBS (OVERVIEW)

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK82 INERT/BDU-50 (F013)	A			49,101	\$37,034	31,174	\$22,172	36,568	\$23,194
BDU-33 25LB PRACTICE BOMB (E969)	A			454,716	\$8,848	519,825	\$9,708	457,503	\$8,641
MK84 EMPTY / BDU-56 (E756)	A			9,622	\$17,293	5,774	\$12,698	8,005	\$15,083
ITEMS LESS THAN \$5M	A				\$2,000		\$992		
TOTALS:					\$65,175		\$45,570		\$46,918

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO

3

PAGE NO:

44

Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$37,034	\$22,172	\$23,194	\$25,166	\$24,008	\$24,699	\$24,276

Description:

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. A new production process, Cast Ductile Iron (CDI), will be introduced using FY03 funding to expand the production base. The FY03 procurement is divided between a manufacturer using steel forged production and two CDI manufacturers.
3. This item is procured through the Single Manager for Conventional Ammunition (SMCA).

	P-1 ITEM NO 3		PAGE NO: 45		Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)								DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				23,230	\$628.73	(\$14,605)						
BOMB BODY BDU-50A/B (1)					23,927	\$480.00	\$11,485						
LOAD, ASSEMBLE AND PACK					23,230	\$94.00	\$2,184						
SUSP LUG MS3314 (1)					56,825	\$13.11	\$745						
PALLET INSPECTION, MHU 149/E					4,425	\$43.33	\$192						
MK-82 INERT/BDU-50 (CDI)	A				25,871	\$832.35	(\$21,534)						
BOMB BODY BDU-50					25,871	\$797.33	\$20,628						
SUSP LUG MS3314					52,936	\$13.22	\$700						
PALLET INSPECTION, MHU 149/E					4,758	\$43.33	\$206						
MK-82 INERT/BDU-50	A							31,174	\$692.88	(\$21,600)	36,358	\$633.20	(\$23,022)
BOMB BODY BDU-50								32,389	\$558.00	\$18,073	37,448	\$491.45	\$18,404

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
LOAD ASSEMBLE AND PACK (LAP)								31,174	\$69.37	\$2,163	36,358	\$72.73	\$2,644		
PALLET INSPECTION, MHU 149/E								66,100	\$16.92	\$1,118	74,686	\$17.07	\$1,275		
SUSP LUG MS3314								5,575	\$44.12	\$246	6,110	\$114.37	\$699		
PRODUCTION SUPPORT								(\$895)		(\$572)			(\$172)		
QUALITY ASSURANCE (2)								\$6		\$3			\$5		
INDUSTRIAL STOCK SUPPORT (3)								\$61							
NAVY ENGINEERING SUPPORT								\$828		\$569			\$167		
TOTALS:								\$37,034		\$22,172			\$23,194		
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) Three percent more bomb bodies and lugs are procured for defects. (2) Quality assurance costs consist of funding SMCA personnel for travel to production facilities. (3) Industrial stock support, which funds new production under CAWCF, does not apply to FY04 and beyond.</p>															
				P-1 ITEM NO 3								PAGE NO: 47		Page 2 of 2	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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(1-3)										
FY2003	23,230	\$628.73	AFMC/OO-ALC	MIPR/SS/FP W/OPT	ARMY/JMC MCAAP/MCALESTER, OK	Mar-03	Nov-05			
MK-82 INERT/BDU-50 (CDI)(4)										
FY2003	25,871	\$832.35	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/JMC UNKNOWN	May-04	May-05	Yes		
MK-82 INERT/BDU-50										
FY2004	31,174	\$692.88	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/JMC UNKNOWN	Mar-04	Nov-05	Yes		
FY2005	36,358	\$633.20	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/JMC UNKNOWN	Mar-05	Nov-06	Yes		
Remarks: Cost information is in actual dollars. (1) General Dynamics Ordnance and Tactical Systems, Garland, TX produces the bomb bodies. MCalester Army Ammunition Plant Loads Assembles and Packs (LAP) the bombs. (2) Award dates are for LAP performed at MCAAP. (3) Contract has an FY03 base year.										
	P-1 ITEM NO 3			PAGE NO: 48				Page 1 of 2		

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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	
(4) FY03 CDI procurement will be split between two contractors.										
	P-1 ITEM NO 3			PAGE NO: 49					Page 2 of 2	

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-33/25 LB PRACTICE BOMB - E969)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$8,848	\$9,708	\$8,641	\$7,419	\$7,485	\$7,300	\$5,462

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 (SMCA).

	P-1 ITEM NO 3		PAGE NO: 50	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
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				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	A				454,716	\$19	\$8,676	519,825	\$18	\$9,544	457,503	\$19	\$8,482	
PRODUCTION SUPPORT							{\$172}			{\$164}			{\$159}	
QUALITY ASSURANCE (1)							\$5			\$4			\$3	
ENGINEERING SUPPORT							\$153			\$160			\$156	
INDUSTRIAL STOCK SUPPORT (2)							\$14							
TOTALS:							\$8,848			\$9,708			\$8,641	
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) Quality assurance consists of funding for SMCA personnel to travel to production facilities. (2) Industrial stock support, which funds new production under the Conventional Ammunition Working Capital Fund (CAWCF), does not apply to FY04 and beyond.</p>														
				P-1 ITEM NO 3					PAGE NO: 51					
										Page 1 of 1				

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	454,716	\$19	AFMC/OC-ALC	MIPR/C/FP W/OPT	ARMY/JMC/DELFASCO/GRE ENVILLE, TN	Apr-03	May-04			
FY2004	519,825	\$18	AFMC/OC-ALC	MIPR/OPT/FP	ARMY/JMC/DELFASCO/GRE ENVILLE, TN	Mar-04	May-05	Yes		
FY2005	457,503	\$19	AFMC/OC-ALC	MIPR/OPT/FP	ARMY/JMC/DELFASCO/GRE ENVILLE, TN	Mar-05	May-06	Yes		
Remarks: Cost information is in actual dollars.										
P-1 ITEM NO 3			PAGE NO: 52			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56/B - E756)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$17,293	\$12,698	\$15,083	\$17,973	\$18,767	\$17,677	\$17,849

Description:

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 (SMCA).

	P-1 ITEM NO 3		PAGE NO: 53	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56/B - E756)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				9,622	\$1,775	{\$17,077}	5,774	\$2,166	{\$12,505}	8,005	\$1,859	{\$14,881}
BOMB BODY-56/B W/O PLUMBING2 (1)					10,006	\$1,250	\$12,511	5,953	\$1,628	\$9,691	8,245	\$1,299	\$10,712
LOAD, ASSEMBLE					9,622	\$373	\$3,589	5,774	\$385	\$2,225	8,005	\$393	\$3,143
LUG SUSP MK3 (1)					20,857	\$34	\$700	12,101	\$35	\$420	16,172	\$36	\$582
PALLET INSPECTION MK79					4,615	\$60	\$277	2,776	\$61	\$169	3,489	\$127	\$444
PRODUCTION SUPPORT							{\$216}			{\$193}			{\$202}
QUALITY ASSURANCE (3)							\$5						
INDUSTRIAL STOCK SUPPORT (2)							\$27						
NAVY ENGINEERING SUPPORT							\$184			\$193			\$202
TOTALS:							\$17,293			\$12,698			\$15,083

Remarks:
 Total Cost information is in thousands of dollars.

(1) Three percent more bomb bodies and lugs are procured to account for defects.
 (2) Industrial stock support, which buys new production under the CAWCF, does not apply to FY04 and beyond.

	P-1 ITEM NO 3		PAGE NO: 54	Page 1 of 2
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56/B - E756)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>(3) Quality assurance consists of funding SMCA personnel to travel to production facilities. Quality assurance costs are not being charged after FY03.</p>														
P-1 ITEM NO 3				PAGE NO: 55				Page 2 of 2						

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003(1)	9,622	\$1,775	AFMC/OO-ALC	MIPR/SS/FP W/OPT	ARMY/MCAAP/MCALESTER, OK	Mar-03	Oct-04			
FY2004	5,774	\$2,166	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/MCAAP/MCALESTER, OK	Mar-04	Nov-05	Yes		
FY2005	8,005	\$1,859	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/MCAAP/MCALESTER, OK	Mar-05	Nov-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>General Dynamics Ordnance and Tactical Systems, Garland, TX produces the bomb bodies. McAlester Army Ammunition Plant Loads Assembles and Packs (LAP) the bombs.</p> <p>Award dates are for Load, Assemble and Pack (LAP) performed at MCAAP.</p> <p>(1) The base year of the contract for bomb bodies is FY03. There are options for FY04 and FY05.</p>										
P-1 ITEM NO 3			PAGE NO: 56			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION PRACTICE BOMBS
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST <small>(in Thousands)</small>		\$2,000	\$992	\$0	\$0	\$1	\$1,200	\$1,200

Description:

1. All items have a procurement value of less than \$5,000,000 and are code A. Representative items requested in FY05 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 3		PAGE NO: 57	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION PRACTICE BOMBS
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
BDU-33 LUG					
PRACTICE BOMBS (ITEMS LESS THAN \$5 MILLION)					
TOTALS:					

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (OVERVIEW)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST <small>(in Thousands)</small>		\$207,368	\$166,635	\$261,608	\$240,337	\$249,363	\$225,832	\$311,983

Description:

1. The General Purpose (GP) Bombs category includes all high explosive air delivered bombs and associated fins, and guidance kits. The warfighter delivers these munitions via fighter or bomber aircraft in support of both training and wartime contingency taskings. GP Bombs can be used as either unguided weapons or as guided munitions after the installation of a guidance and control kit.

2. Representative items requested in FY05 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.

3. FY03 General Purpose Bombs funding increased \$57,400,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom.

	P-1 ITEM NO 4		PAGE NO: 59	Page 1 of 1
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UNCLASSIFIED

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

GENERAL PURPOSE BOMBS (OVERVIEW)

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK-84 2000 LB GP BOMB (F275)	A			6,591	\$36,640	6,940	\$40,706	10,206	\$57,330
BLU-109/B PENETRATOR (F140)	A			1,461	\$19,956	1,513	\$19,530	2,787	\$37,088
BLU-110 1000 LB GP BOMB (EB28)	A			572	\$5,300	698	\$5,258	717	\$5,300
MXU-650 FIN ASSEMBLY (F763) (1)	A			12,499	\$53,211	5,131	\$26,597	8,976	\$39,431
MAU-169H/B PAVEWAY II GCU (EA65) (1)	A			11,582	\$82,049	8,937	\$63,365	12,172	\$92,409
GBU-28C/B KIT	A							76	\$12,303
BLU-122 BOMB	A							71	\$7,297
ITEMS LESS THAN 5 MILLION GP BOMBS	A				\$10,212		\$11,179		\$10,450
TOTALS:					\$207,368		\$166,635		\$261,608

Remarks:

Cost information is in thousands of dollars.

(1) Includes FY03 supplemental funding.

P-1 ITEM NO

4

PAGE NO:

60

Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$36,640	\$40,706	\$57,330	\$70,952	\$79,871	\$83,202	\$100,863
<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 aligned MK-84 procurements to keep pace with JDAM and LGB kit production. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 								
	P-1 ITEM NO 4		PAGE NO: 61		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
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				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				6,591	\$5,521	(\$36,386)	6,940	\$5,835	{\$40,493}	10,206	\$5,589	{\$57,042}
LOAD ASSEMBLE & PACK					6,591	\$1,248	\$8,227	6,940	\$1,722	\$11,954	10,206	\$1,755	\$17,909
BOMB BODY MK84-4 (1)					6,787	\$2,413	\$16,374	7,149	\$2,029	\$14,509	10,512	\$1,654	\$17,383
LUG SUSP MK3 (1)					13,577	\$38	\$510	14,296	\$35	\$496	21,024	\$36	\$756
PALLET INSPECTION MK79					4,020	\$157	\$631	4,233	\$157	\$665	6,226	\$127	\$792
PALLET MK79					4,016	\$61	\$245	4,233	\$61	\$258	6,226	\$157	\$977
TNT TYPE 1 FLAKE (LB)					4,403,597	\$2	\$8,499	4,773,454	\$2	\$11,074	7,243,041	\$2	\$16,968
ALUMINUM POWDER					1,507,632	\$1	\$1,900	1,314,702	\$1	\$1,538	1,904,222	\$1	\$2,256
PRODUCTION SUPPORT							(\$56)			(\$5)			(\$5)
QUALITY ASSURANCE (2)							\$5			\$5			\$5
INDUSTRIAL STOCK SUPPORT (3)							\$51						

	P-1 ITEM NO 4		PAGE NO: 62	Page 1 of 2
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
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				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
NAVY ENGINEERING SUPPORT							\$198			\$208			\$283	
TOTALS:							\$36,640			\$40,706			\$57,330	
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) Three percent more bomb bodies and lugs are procured to account for defects. (2) Quality assurance consists of funding for JMC personnel to travel to production facilities. (3) Industrial stock support funds materiel management under CAWCF and does not apply after FY03.</p>														
P-1 ITEM NO 4				PAGE NO: 63				Page 2 of 2						

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003(1)	6,591	\$5,521	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-03	Jan-04			
FY2004	6,940	\$5,835	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-04	Apr-05	Yes		
FY2005	10,206	\$5,589	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-05	Apr-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>General Dynamics Ordnance and Tactical Systems, Garland, TX produces the bomb bodies. McAlester Army Ammunition Plant Loads Assembles and Packs (LAP) the bombs.</p> <p>(1) Contract has an FY03 base year with two option years.</p>										
			P-1 ITEM NO 4			PAGE NO: 64	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$19,956	\$19,530	\$37,088	\$32,088	\$28,088	\$20,700	\$19,730

Description:

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 aligned BLU-109 procurements to keep pace with JDAM and LGB kit production.
3. This item is procured through the Single Manager for Conventional Ammunition (SMCA).

	P-1 ITEM NO 4		PAGE NO: 65	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
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				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				1,461	\$13,624	(\$19,904)	1,513	\$12,899	{\$19,517}	2,787	\$13,291	{\$37,041}	
LOAD ASSEMBLE & PACK					1,461	\$4,045	\$5,910	1,513	\$2,432	\$3,680	2,787	\$2,817	\$7,851	
BOMB BODY BLU-109 (1)					1,504	\$7,966	\$11,981	1,558	\$8,717	\$13,581	2,870	\$8,706	\$24,986	
CNU 417 CONTAINER					730	\$758	\$554	756	\$891	\$674	1,393	\$963	\$1,342	
TNT TYPE I FLAKE (LB)					552,027	\$2	\$1,271	602,750	\$2	\$1,387	1,066,154	\$2	\$2,498	
ALUMINUM POWDER (LB)					161,724	\$1	\$189	167,201	\$1	\$195	307,360	\$1	\$364	
PRODUCTION SUPPORT							{\$52}			{\$6}			{\$6}	
QUALITY ASSURANCE (2)							\$25			\$6			\$6	
INDUSTRIAL SUPPORT STOCK (3)							\$28							
PRODUCTION ENGINEERING										\$7			\$40	
TOTALS:							\$19,956			\$19,530			\$37,088	
Remarks: Total Cost information is in thousands of dollars.														
				P-1 ITEM NO 4					PAGE NO: 66					
												Page 1 of 2		

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
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				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>(1) Three percent more bomb bodies are procured to account for defects.</p> <p>(2) Quality assurance consists of funding for Army personnel to travel to production facilities.</p> <p>(3) Industrial stock support, funds materiel management under the CAWCF and does not apply after FY03.</p>														
P-1 ITEM NO 4				PAGE NO: 67				Page 2 of 2						

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	1,461	\$13,624	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-03	Mar-04			
FY2004(1)	1,513	\$12,899	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-04	Oct-05	Yes		
FY2005	2,787	\$13,291	AFMC/OO-ALC	MIPR/C/FFP W/OPT	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Mar-05	Oct-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>National Forge Company, Irvine, PA produces the bomb bodies. McAlester Army Ammunition Plant Loads, Assembles and Packs (LAP) the bombs.</p> <p>(1) FY04 contract for bomb bodies will be a new competitive award with an option for FY05.</p>										
			P-1 ITEM NO 4			PAGE NO: 68				Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: BLU-110B/B 1000 LB GP BOMB (EB28)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$5,300	\$5,258	\$5,300	\$6,000	\$6,682	\$7,100	\$11,000
<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. 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. 								
	P-1 ITEM NO 4		PAGE NO: 69		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: BLU-110B/B 1000 LB GP BOMB (EB28)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				572	\$8,659	{\$4,953}	698	\$7,090	{\$4,949}	717	\$6,888	{\$4,938}	
LOAD ASSEMBLE & PACK					572	\$3,740	\$2,139	698	\$2,195	\$1,532	717	\$2,065	\$1,481	
BOMB BODY BLU-110B/B (1)					589	\$1,603	\$944	719	\$1,389	\$998	739	\$1,112	\$822	
LUG SUSPENSION MS3314 (1)					1,178	\$17	\$20	1,438	\$17	\$24	1,477	\$17	\$25	
CXM-7 (LB)					311,799	\$6	\$1,812	396,922	\$6	\$2,330	406,202	\$6	\$2,544	
PALLET MHU-187					169	\$225	\$38	249	\$258	\$64	255	\$264	\$67	
PRODUCTION SUPPORT							{\$347}			{\$309}			{\$362}	
QUALITY ASSURANCE (2)							\$9			\$10			\$11	
INDUSTRIAL STOCK SUPPORT (3)							\$7							
ACCEPTANCE TESTING							\$46							
NAVY ENGINEERING SUPPORT							\$285			\$299			\$351	
TOTALS:							\$5,300			\$5,258			\$5,300	
Remarks: Total Cost information is in thousands of dollars.														
				P-1 ITEM NO 4					PAGE NO: 70					
												Page 1 of 2		

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: BLU-110B/B 1000 LB GP BOMB (EB28)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>(1) Three percent more bomb bodies and lugs are procured to account for defects.</p> <p>(2) Quality assurance consists of funding for OSC personnel to travel to production facilities.</p> <p>(3) Industrial stock support, which funds materiel management under the CAWCF, does not apply to FY04 and beyond.</p>														
P-1 ITEM NO 4				PAGE NO: 71				Page 2 of 2						

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003(1)	572	\$8,659	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/JMC, MCALISTER ARMY AMMUNITION PLANT/MCALISTER, OK	Mar-03	Apr-04			
FY2004	698	\$7,090	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/JMC, MCALISTER ARMY AMMUNITION PLANT/MCALISTER, OK	Mar-04	Apr-05	Yes		
FY2005	717	\$6,888	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/JMC, MCALISTER ARMY AMMUNITION PLANT/MCALISTER, OK	Mar-05	Apr-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>General Dynamics Ordnance and Tactical Systems, Garland, TX produces the bomb bodies. McAlester Army Ammunition Plant Loads Assembles and Packs (LAP) the bombs.</p> <p>(1) Contract with General Dynamics Ordnance and Tactical Systems has an FY03 base year, with two option years.</p>										
			P-1 ITEM NO 4			PAGE NO: 72				Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FIN ASSEMBLY MXU-650C/B PAVEWAY (EC32)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$53,211	\$26,597	\$39,431	\$22,299	\$23,823	\$24,283	\$38,761
<p>Description:</p> <ol style="list-style-type: none"> 1. The MXU-650 Fin Assembly consists of a tail fin and forward canards used on the GBU-12 (MK-82 Warhead, 500lb class) PAVEWAY II Laser Guided Bomb (LGB). The PAVEWAY II system has folding wings which open upon release for increased maneuverability. These weapons are primarily used for precision bombing against non-hardened targets. 2. The MXU-650 has been modified for enhanced maintainability. The new DODIC is EC32, and the new noun is MXU-650C/B. 3. FY03 funding increased \$27,192,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom. 4. This item is procured through the Ogden Air Logistics Center. 								
	P-1 ITEM NO 4		PAGE NO: 73		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FIN ASSEMBLY MXU-650C/B PAVEWAY (EC32)
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WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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 (1)	A				6,220	\$3,322	(\$20,663,089)						
MXU-650/B KIT					6,220	\$3,158	\$19,643,009						
PALLET (4)					6,220	\$37	\$227,030						
CONTAINER					3,110	\$255	\$793,050						
MXU-650C/B (2,5)	A				7,985	\$4,076	(\$32,547,930)						
MXU-650/B KIT					7,985	\$3,912	\$31,238,119						
PALLET					7,985	\$37	\$291,852						
CONTAINER CNU-317					3,992	\$255	\$1,017,960						
CONTAINER (3)	A							6,116	\$4,349	(\$26,597,075)	8,976	\$4,393	(\$39,430,957)
MXU-650/B KIT								6,116	\$4,240	\$25,930,128	8,976	\$4,275	\$38,369,258
PALLET								6,116	\$3	\$18,348	8,976	\$3	\$26,928

	P-1 ITEM NO 4		PAGE NO: 74		Page 1 of 2
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UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FIN ASSEMBLY MXU-650C/B PAVEWAY (EC32)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
CONTAINER CNU-317								2,820	\$230	\$648,600	4,499	\$230	\$1,034,770
TOTALS:							\$53,211,019			\$26,597,075			\$39,430,957
<p>Remarks: Total Cost information is in actual dollars.</p> <p>Kit price includes container and pallet price.</p> <p>(1) Procured from Raytheon, Tucson, AZ. (2) Procured from Lockheed Martin, Archbald, PA. (3) Contractor is unknown. (4) There are 2 ea MXU-650/B per pallet. (5) Include FY03 Supplemental procurement.</p>													
P-1 ITEM NO 4				PAGE NO: 75				Page 2 of 2					

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FIN ASSEMBLY MXU-650C/B PAVEWAY (EC32)						
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										
FY2003(1)	6,220	\$3,322	AFMC/OO-ALC	C/FFP W/OPT	RAYTHEON/TUCSON, AZ	Mar-03	Mar-04			
MXU-650C/B										
FY2003(2)	7,985	\$4,076	AFMC/OO-ALC	C/FFP W/OPT	LOCKHEED MARTIN/ARCHBALD, PA	Mar-03	Mar-04			
CONTAINER										
FY2004(3)	6,116	\$4,349	AFMC/OO-ALC	C/FFP	UNKNOWN	Mar-04	Mar-05	Yes		
FY2005(3)	8,976	\$4,393	AFMC/OO-ALC	C/FFP	UNKNOWN	Mar-05	Mar-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>FY03 procurements split between Raytheon and Lockheed Martin.</p> <p>(1) Contract with Raytheon has an FY03 base with options for FY04 and FY05. (2) Contract with Lockheed Martin has an FY03 base with options for FY04 and FY05. (3) FY04 and FY05 will be split between Raytheon and Lockheed Martin</p>										
P-1 ITEM NO 4			PAGE NO: 76			Page 1 of 1				

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MAU-169H/B PAVEWAY II GCU (EA65))				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$82,049	\$63,365	\$92,409	\$54,888	\$45,664	\$45,879	\$70,199
<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. Funding increased in FY05 to support the Global War on Terrorism. 3. FY03 funding increased \$29,452,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom. 4. This item is procured through the Ogden Air Logistics Center. 								
	P-1 ITEM NO 4		PAGE NO: 77		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MAU-169H/B PAVEWAY II GCU (EA65))
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WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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 (1)	A				5,964	\$7,065	(\$42,134)						
MAU-169H/B KIT					5,964	\$6,833	\$40,753						
PALLET					5,965	\$230	\$1,372						
CONTAINER CNU-317					2,983	\$3	\$9						
MAU-169H/B (2)	A				5,618	\$7,105	(\$39,915)						
MAU-169H/B KIT					5,618	\$6,873	\$38,615						
PALLET					5,618	\$230	\$1,292						
CONTAINER CNU-317					2,809	\$3	\$8						
MAU-169H/B (3)	A							8,937	\$7,090	(\$63,365)	12,172	\$7,592	(\$92,409)
MAU-169H/B KIT								8,937	\$6,972	\$62,311	12,172	\$7,474	\$90,970
PALLET								8,937	\$3	\$27	12,172	\$3	\$37

	P-1 ITEM NO 4		PAGE NO: 78	Page 1 of 2
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UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
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				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
CONTAINER CNU-317								4,466	\$230	\$1,027	6,096	\$230	\$1,402
TOTALS:							\$82,049			\$63,365			\$92,409
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>9 containers/with seeker per pallet.</p> <p>(1) Procured from Raytheon, Tucson, AZ. (2) Procured from Lockheed Martin, Archbald, PA. (3) Contractor unknown.</p>													
				P-1 ITEM NO 4				PAGE NO: 79				Page 2 of 2	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003(1)	5,964	\$7,065	AFMC/OO-ALC	C/FFP W/OPT	RAYTHEON/TUCSON, AZ	Mar-03	Feb-04			
MAU-169H/B										
FY2003(2)	5,618	\$7,105	AFMC/OO-ALC	C/FFP W/OPT	LOCKHEED MARTIN/ARCHBALD, PA	Dec-03	Feb-05			
MAU-169H/B										
FY2004(3)	8,937	\$7,090	AFMC/OO-ALC	C/FFP	UNKNOWN	Mar-04	Feb-05	Yes		
FY2005(3)	12,172	\$7,592	AFMC/OO-ALC	C/FFP	UNKNOWN	Mar-05	Feb-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>FY03 procurements split between Raytheon and Lockheed Martin.</p> <p>(1) Contract with Raytheon has an FY03 base with options for FY04 and FY05. (2) Contract with Lockheed Martin has an FY03 base with options for FY04 and FY05. (3) Price based on projected averages between Raytheon and Lockheed Martin.</p>										
			P-1 ITEM NO 4			PAGE NO: 80				Page 1 of 1

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GBU-28C/B KIT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$0	\$12,303	\$20,087	\$20,087	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 1. The GBU-28C/B is a Precision Guided Air-to-Surface weapon, that is a follow-on to the legacy GBU-28 B/B weapon. Minor modifications are being incorporated into the guidance kit to accommodate the new, improved 5000 lb BLU-113 penetrating warhead (newly designated as the BLU-122). In addition, the MIL-STD-1760 conduit is being extended to accommodate in-flight fuze reprogramming capability in the future. The guidance kit contains a guidance section, a set of aerodynamic control surfaces, a laser seeker, and the Global Positioning System/Inertial Measurement Unit (GPS/IMU). The tail kit is a set of fixed wings. The GBU-28C/B provides the B-2 and F-15E aircraft weapon system platforms with adverse weather combat capability by incorporating rapid GPS acquisition and stand-alone IMU guidance capabilities. The GBU-28C/B, coupled with the new BLU-122, significantly enhances the Air Force's capability to destroy hardened targets. 2. The development effort for this program was funded in FY03-FY05 under PEC 604327 (Hardened Target Munitions) and is commonly referred to as the BLU-113 P3I program. The BLU-113 P3I System Development and Demonstration (SDD) contract was issued in Jun 03. 3. This item is procured through the Air Armament Center, Eglin AFB, FL. 								
	P-1 ITEM NO 4		PAGE NO: 81		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GBU-28C/B KIT										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
GBU-28C/B KIT	B										76	\$141,227	\$10,733		
ENGINEERING CHANGE ORDERS													\$299		
PROGRAM MANAGEMENT ADMINISTRATION													\$1,271		
TOTALS:													\$12,303		
<p>Remarks: Total Cost information is in thousands of dollars.</p>															
				P-1 ITEM NO 4								PAGE NO: 82		Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GBU-28C/B KIT						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
GBU-28C/B KIT										
FY2005(1)	76	\$141,227	AFMC/AAC	SS/FFP W/OPT	RAYTHEON/TUCSON, AZ	Nov-04	Aug-05	Yes		
<p>Remarks:</p> <p>Cost information is in actual dollars.</p> <p>(1) Contract base year will by FY05. The contract will have two production options.</p>										
P-1 ITEM NO 4			PAGE NO: 83			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: BLU-122 BOMB				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$0	\$7,297	\$11,913	\$11,913	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 1. The BLU-113 P3I warhead will be used on the GBU-28 C/B Precision Guided Air-to-Surface weapon. It is an improved 5000 lb BLU-113 penetrating warhead, with a new designator of BLU-122. It will be used on the B-2 and F-15E aircraft weapon system platforms. The warhead provides deeper target penetration, increased lethality, and survivability with improved insensitive munitions characteristics. The new BLU-122, incorporated into the GBU-28, significantly enhances the Air Force's capability to destroy hardened targets. 2. The development effort for this program was funded in FY03-FY05 under PEC 604327 (Hardened Target Munitions), and is commonly referred to as the BLU-113 P3I program. The System Development And Demonstration (SDD) CPFF/IF contract was issued in Jun 03; three FFP production options for 350 weapons are also included in the contract. 3. This item is procured through the Air Armament Center, Eglin AFB, FL. 								
	P-1 ITEM NO 4		PAGE NO: 84		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: BLU-122 BOMB										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
BLU-122	B										71	\$82,024	(\$5,824)		
PALLET											76	\$4,356	\$331		
BLU-122 LOAD TRAINER													\$542		
ENGINEERING CHANGE ORDERS													\$177		
PROGRAM MANAGEMENT ADMINISTRATION													\$754		
TOTALS:													\$7,297		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 4								PAGE NO: 85		Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: BLU-122 BOMB						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
BLU-122										
FY2005	71	\$82,024	AFMC/AAC	OPT/FFP	GD-OTS/NICEVILLE, FL	Mar-05	May-05	No	Jun-04	
<p>Remarks:</p> <p>Cost information is in actual dollars.</p> <p>Units cost is hardware only.</p> <p>The FFP warhead production options were obtained during a competitive source selection process during the System Design and Demonstration (SDD) phase. The contract base year is FY03.</p> <p>Production lead time is expected to be only two months for initial procurement due to preparations made by GD-OTS during Research, Development, Test and Evaluation, and the lack of long-lead items.</p>										
P-1 ITEM NO 4			PAGE NO: 86			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$10,212	\$11,179	\$10,450	\$22,110	\$33,235	\$44,668	\$71,430

Description:

1. All items have a procurement value of less than \$5,000,000. Representative items requested in FY05 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 was 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: 87	Page 1 of 1
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UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)				DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)					
CBU-87(T-3)/B BOMB DISPENSER INERT (E852)				74	\$1,250
BLU-113A(D-1)/B INERT BOMB (E989)				10	\$620
BOMB, BLU-109(D-2)/B (F034)				125	\$1,510
MXU-651, GBU-10 FIN ASSY (F761)				432	\$2,880
CBU-89(T-1)B (AIR TNG) (K293)				28	\$1,520
MK-83 INERT				167	\$273
NOSE SUPPORT CUP (FW26)				4,414	\$51
KEVLAR LANYARD (EA99)				9,818	\$101
MK82 WARHEAD (E485)				924	\$1,789
FIN ACTUATION LANYARD (EA75)				4,060	\$203
LANYARD KEVLAR 30" (CY57)				13,460	\$151

	P-1 ITEM NO 4		PAGE NO: 88		Page 1 of 2
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
LANYARD (EA67)				9,808	\$102
TOTALS:					\$10,450

Remarks:
Cost information is in thousands of dollars.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SENSOR FUZED WEAPON				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY		350	320	315	302	307	319	319
COST (in Thousands)		\$124,093	\$116,970	\$117,023	\$119,431	\$125,190	\$132,039	\$135,316
<p>Description:</p> <ol style="list-style-type: none"> 1. The Sensor Fuzed Weapon (SFW) is a wide area munition designed for use against moving and stationary land combat vehicles. SFW provides operational forces with the capability to achieve multiple kills per pass in all weather conditions, day or night. The SFW (CBU-97) consists of a Tactical Munitions Dispenser (TMD) containing ten BLU-108 submunitions. Each submunition contains four warheads, a parachute assembly, altimeter, and rocket motor. The TMD opens after release from the delivery aircraft dispensing the submunitions. The submunitions are parachute retarded and oriented nose downward. After the parachute ejects, the rocket motor fires to launch the warheads. The warheads release in a horizontal trajectory and target activate through a small infrared sensor contained in the warhead, firing a self-forging projectile into the target. 2. The configuration under current procurement (CBU-105) consists of an SFW (CBU-97) with Wind Corrected Munition Dispenser (WCMD), a separately procured tail kit 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. 3. SFW Pre-Planned Product Improvement (P3I) procurement began in FY01. The P3I added sensor upgrades, multi-mission warhead, and footprint extension. P3I also added a redundant self-destruct feature for a cleaner battlefield. A modified TMD fuze will be incorporated beginning in FY05. FY12 is the last year of SFW procurement. 4. Quantity reflected for FY03 has been updated since the submission of the P-1 Exhibit. 								
	P-1 ITEM NO 5		PAGE NO: 90		Page 1 of 1			

UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: SENSOR FUZED WEAPON										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
HARDWARE					350		{ \$121,209 }	320		{ \$113,418 }	315		{ \$114,552 }		
CBU-97/B	A				350	\$342,791	\$119,977	320	\$345,584	\$110,587	315	\$355,758	\$112,064		
ENGINEERING CHANGE ORDERS							\$600			\$2,171			\$1,818		
GOVERNMENT FURNISHED EQUIPMENT							\$632			\$660			\$670		
PRODUCTION AND SUPPORT COST							{ \$2,884 }			{ \$3,552 }			{ \$2,471 }		
TEST SUPPORT (LOT ACCEPTANCE TEST/QUAL)							\$1,213			\$1,123			\$632		
PROGRAM MANAGEMENT ADMINISTRATION							\$1,671			\$2,099			\$1,611		
LOAD, ASSEMBLY, PACK (LAP) SUPPORT										\$330			\$228		
TOTALS:							\$124,093			\$116,970			\$117,023		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 5								PAGE NO: 91		Page 1 of 1	

UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	350	\$342,791	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	Feb-03	Jan-04			
FY2004	320	\$345,584	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	Dec-03	Jan-05			
FY2005	315	\$355,758	AFMC/AAC	SS/FFP	TEXTRON SYS/WILMINGTON, MA	Jan-05	Jan-06	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 5			PAGE NO: 92	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40M)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION
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	PRIOR YEARS	2003	2004	2005	2006	2007	2008	2009	TO COMP	TOTAL PROG
Quantity	38,564	23,340	20,244	23,137	18,008	12,873	3,966	3,596		143,728
Gross Cost (\$M)	\$835.411	\$477.097	\$424.589	\$521.782	\$421.799	\$317.815	\$110.891	\$105.402	\$0	\$3,214.786
Initial Spares (\$M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total (\$M)	\$835.411	\$477.097	\$424.589	\$521.782	\$421.799	\$317.815	\$110.891	\$105.402	\$0	\$3,214.786
Flyaway Unit Cost (\$M)	\$0.020	\$0.020	\$0.020	\$0.022	\$0.023	\$0.024	\$0.024	\$0.025	\$0	\$0.021
Wpn Sys Proc Unit Cost (\$M)	\$0.022	\$0.020	\$0.021	\$0.023	\$0.023	\$0.025	\$0.028	\$0.029	\$0	\$0.022

Description:

1. The Joint Direct Attack Munition (JDAM) program is a joint Air Force/Navy program with the Air Force as the lead service. Designated ACAT 1C, this program upgrades the existing inventory of general purpose bombs (MK-84, BLU-109/B, MK-82 and MK-83) by integrating the bombs with a guidance kit consisting of a global positioning system aided inertial navigation system (GPS/INS). JDAM provides an accurate, adverse weather capability. JDAM is integrated with the B-52, B-2A, B-1B, F-16C/D, F-14B/D, F/A-18C/D/E/F aircraft. Follow-on integration will be on the F/A-22, F-X-45C (J-UCAS).

2. FY05 (Lot 9) and subsequent lots will be GPS Selective Availability Anti-Spoofing Module (SAASM) equipped.

3. Total funding includes Seek Eagle.

	P-1 ITEM NO 6		PAGE NO: 93	Page 1 of 1
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UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
JOINT DIRECT ATTACK MUNITION					23,340		{\$461,422}	20,244		{\$409,061}	23,137		{\$509,042}
HARDWARE													
AIRFRAME	A				23,340	\$19,579	\$456,965	20,244	\$19,703	\$398,868	23,137	\$21,155	\$489,463
ENGINEERING CHANGE ORDERS										\$6,204			\$14,684
NONRECURRING													
CONTRACTOR INCENTIVE							\$4,457			\$3,989			\$4,895
SUPPORT COSTS							{\$15,378}			{\$15,386}			{\$12,740}
PRODUCTION SUSTAINING ENG							\$1,791						
TEST EQUIPMENT (CMBRE)							\$7			\$298			\$303
AIRBORNE TEST EQUIPMENT							\$4,797			\$5,219			\$4,546
PROGRAM MANAGEMENT ADMINISTRATION & MISSION SUPPORT							\$4,234			\$5,055			\$3,726

	P-1 ITEM NO 6		PAGE NO: 94	Page 1 of 2
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)									DATE: FEBRUARY 2004						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
ALTERNATE DISPUTE RESOLUTION							\$50			\$59			\$61		
TRAINING							\$422			\$284					
PRODUCTION SUSTAINING ENGINEERING							\$4,077			\$4,471			\$4,104		
SEEK EAGLE							\$297			\$143					
TOTALS:							\$477,097			\$424,590			\$521,782		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 6								PAGE NO: 95		Page 2 of 2	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
JOINT DIRECT ATTACK MUNITION										
AIRFRAME										
FY2003	23,340	\$20	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Mar-03	Mar-04			
FY2004	20,244	\$20	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Jan-04	Apr-05			
FY2005	23,137	\$21	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Feb-05	Mar-06	Yes		
FY2006	18,008	\$22	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Feb-06	Mar-07	Yes		
FY2007	12,873	\$23	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Feb-07	Mar-08	Yes		
FY2008	3,966	\$23	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Feb-08	Mar-09	Yes		
FY2009	3,596	\$24	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	Feb-09	Mar-10	Yes		
Remarks: Cost information is in thousands of dollars.										
			P-1 ITEM NO 6			PAGE NO: 96				Page 1 of 1

UNCLASSIFIED

AF FORM 1537(THEN YEAR DOLLARS)										
WEAPON SYSTEM BUDGET ESTIMATE (DOLLARS IN MILLIONS)			WEAPON SYSTEM: JDAM			CONTRACTOR: BOEING		AS OF DATE: FEBRUARY 2004		APPN: 3011
CATEGORY TY\$ FY05APB PE: 27583F BPAC: 353020			EQUIP: MUNITIONS			REPORT CONTROL SYMBOL:		PREPARED BY: ACC/YU		
DESCRIPTION	PRIOR YEARS	2003	2004	2005	2006	2007	2008	2009	TOTAL	
QUANTITY OF AURs	38,564	23,340	20,244	23,137	18,008	12,873	3,966	3,596	143,728	
RECURRING HARDWARE	\$778.359	\$456.965	\$398.868	\$489.463	\$392.224	\$291.631	\$93.153	\$87.572	\$2,988.235	
ECO	\$.536	\$0	\$6.204	\$14.684	\$11.767	\$8.749	\$2.795	\$2.627	\$47.362	
CONTRACTOR INCENTIVE	\$9.196	\$4.457	\$3.989	\$4.895	\$3.922	\$2.916	\$.932	\$.876	\$31.183	
FLYAWAY COST	\$788.091	\$461.422	\$409.061	\$509.042	\$407.913	\$303.296	\$96.880	\$91.075	\$3,066.780	
TEST EQUIPMENT (CMBRE)	\$7.546	\$1.798	\$.298	\$.303	\$.308	\$.314	\$0	\$0	\$10.567	
AIRBORNE TEST EQUIPMENT	\$13.091	\$4.797	\$5.219	\$4.546	\$5.666	\$5.997	\$5.682	\$5.928	\$50.926	
DATA	\$.059	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$.059	
PROGRAM MGMT./ADMIN REQ	\$10.727	\$4.234	\$5.054	\$3.726	\$3.753	\$3.864	\$3.916	\$3.988	\$39.262	
SYSTEM TEST & EVALUATION	\$.222	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$.222	
TRAINING	\$1.490	\$.422	\$.284	\$0	\$0	\$0	\$0	\$0	\$2.196	
PROD. SUSTAINING ENGINEERING	\$10.564	\$4.077	\$4.471	\$4.104	\$4.095	\$4.174	\$4.344	\$4.340	\$40.169	
SEEK EAGLE	\$.428	\$.297	\$.143	\$0	\$0	\$.103	\$0	\$0	\$.971	
ALT. DISPUTE RESOLUTION	\$.440	\$.050	\$.059	\$.061	\$.064	\$.067	\$.069	\$.071	\$.881	
DELIVERY ACCELERATION	\$2.753	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2.753	
WEAPON SYSTEM COST	\$835.411	\$477.097	\$424.589	\$521.782	\$421.799	\$317.815	\$110.891	\$105.402	\$3,214.786	
INITIAL SPARES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
PROCUREMENT COST	\$835.411	\$477.097	\$424.589	\$521.782	\$421.799	\$317.815	\$110.891	\$105.402	\$3,214.786	
TOTAL PROGRAM (TY\$)	\$835.411	\$477.097	\$424.589	\$521.782	\$421.799	\$317.815	\$110.891	\$105.402	\$3,214.786	
APPROVED PROGRAM (TY\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
DELTA (TY\$)	\$835.411	\$477.097	\$424.589	\$521.782	\$421.799	\$317.815	\$110.891	\$105.402	\$3,214.786	

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: WIND CORRECTED MUNITIONS DISPENSER				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY		4,881	3,715	2,507	500	960	850	1,105
COST (in Thousands)		\$94,638	\$71,876	\$58,670	\$47,263	\$65,724	\$60,408	\$72,884
<p>Description:</p> <ol style="list-style-type: none"> 1. The combat proven Wind Corrected Munitions Dispenser (WCMD) guidance kit provides navigation and guidance to correct the launch transients and ballistic errors created when wide-area munitions are released from medium to high altitudes. The WCMD tail kit is fitted on the CBU-103 (Combined Effects Munition/CBU-87), CBU-104 (GATOR mine/CBU-89), CBU-105 (Sensor Fuze Weapon/CBU-97), and CBU-107 (Passive Attack Weapon). WCMD improves the effectiveness of both bombers and fighters and significantly contributes to Air Force war fighting capabilities. The Full Rate Production (FRP) 3 contract was awarded in April 2003. FRP 4 was awarded in December 2003 and included units purchased with FY03 supplemental funding (\$24.6M) to replace weapons expended in OIF and OEF operations. The FRP5 contract will be awarded by March 2005 and will include a mix of baseline WCMD tail kits and extended range WCMD (WCMD-ER) tail/wing kits. The unit price in FY05 is a combination of the WCMD and WCMD-ER prices. 2. The Wind Corrected Munitions Dispenser - Extended Range (WCMD-ER) provides standoff capability for inventory dispenser weapons. The WCMD-ER Pre-Planned Product Improvement (P3I) development program adds a wing kit with the WCMD tail kit to provide standoff capability and increased aircraft survivability -- the only AF wide-area standoff capability against armored targets. The WCMD-ER development program was initiated in FY03 under PE0604600F. The first WCMD-ER units (with initial capability) will begin production in FY05. The final production configuration (with full capability) will begin production in FY06. WCMD-ER production will continue through FY12. The planned procurement is for 7,500 WCMD-ER kits. 3. FY03 WCMD funding increased \$24,600,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom. 4. Quantity reflected for FY03 has been updated since the submission of the P-1 Exhibit. 								
	P-1 ITEM NO 7		PAGE NO: 98		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: WIND CORRECTED MUNITIONS DISPENSER										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
WIND CORRECTED MUNITIONS DISPENSER															
HARDWARE-RECURRING					4,881		{\$81,587}	3,795		{\$64,389}	2,507		{\$54,109}		
WCMD KITS	A				4,881	\$16,601	\$81,029	3,795	\$16,361	\$62,090	2,507	\$20,473	\$51,326		
ECO							\$558			\$2,299			\$2,783		
HARDWARE-NONRECURRING															
NONRECURRING (2)							\$5,101			\$300					
PRODUCTION SUPPORT							{\$7,950}			{\$7,187}			{\$4,562}		
SYSTEM TEST							\$300								
PROGRAM MANAGEMENT ADMINISTRATION							\$2,525			\$2,069			\$1,917		
OTHER COSTS (1)							\$5,125			\$4,985			\$2,645		
SEEK EAGLE										\$133					
TOTALS:							\$94,638			\$71,876			\$58,670		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 7								PAGE NO: 99		Page 1 of 2	

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: WIND CORRECTED MUNITIONS DISPENSER									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>(1) GPS installlation, Air Force Mission Support System (AFMSS), test articles and field installation.</p> <p>(2) Nonrecurring costs are associated with a retrofit to WCMD kits</p>														
P-1 ITEM NO 7				PAGE NO: 100				Page 2 of 2						

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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	
HARDWARE-NONRECURRING										
WIND CORRECTED MUNITIONS DISPENSER										
WCMD KITS										
FY2003	4,881	\$16,601	AFMC/AAC	SS/FFP	LOCKHEED-MARTIN/ORLANDO, FL	Apr-03	Apr-04			
FY2004	3,795	\$16,361	AFMC/AAC	SS/FFP	LOCKHEED-MARTIN/ORLANDO, FL	Dec-03	Feb-05			
FY2005	2,507	\$20,473	AFMC/AAC	SS/FFP	LOCKHEED-MARTIN/ORLANDO, FL	Mar-05	Feb-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>1. Unit costs reflect cost of hardware only.</p>										
			P-1 ITEM NO 7			PAGE NO: 101	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CAD/PAD				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$19,503	\$19,882	\$20,379	\$21,045	\$21,492	\$22,150	\$22,580
<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 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>								
	P-1 ITEM NO 8		PAGE NO: 102		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

CAD/PAD

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BOMBER AIRCRAFT	A				\$5,507		\$5,677		\$6,016
CARGO AIRCRAFT	A				\$3,770		\$3,780		\$3,790
FIGHTER AIRCRAFT	A				\$4,145		\$4,350		\$4,480
TRAINING AIRCRAFT	A				\$435		\$450		\$450
COMMON EGRESS ITEMS	A				\$3,000		\$2,768		\$2,957
COMMON LIFE SUPPORT ITEMS	A				\$2,346		\$2,557		\$2,386
COMMON MISC ITEMS	A				\$300		\$300		\$300
TOTALS:					\$19,503		\$19,882		\$20,379

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO

8

PAGE NO:

103

Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$2,681	\$3,152	\$2,889	\$2,935	\$2,982	\$3,041	\$3,102
<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 FY05 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 9		PAGE NO: 104		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CHARGE, DEMOLITION C4-M112 (M023)	A					61,000	\$960	60,700	\$1,000
EXPLOSIVE CUTTING TAPE (MM53)	A			4,747	\$326			4,543	\$297
EXPLOSIVE WATER GEL (MY77)	A			1,416	\$2	1,283	\$2	1,259	\$2
BLAST MACHINE	A			18	\$7				
CHARGE, DEMO SHAPED MK88 (M997)	A			910	\$102	757	\$89	533	\$65
DETA SHEET (M980)	A					31,370	\$317		
SHOCK TUBE (YY34)	A			752,500	\$35	1,800,000	\$90	500,000	\$25
IGNITER TIME BLASTING (MN08)	A			11,578	\$44	5,000	\$19	5,000	\$19
MEDIUM VELOCITY BLANK (AA66)	A			20,500	\$41	10,000	\$20	8,500	\$17
SQUIB (WB29)	A			44,638	\$50	7,142	\$8	4,464	\$5
DISRUPTOR, LIGHT WEIGHT (YY32)	A			1,788	\$202	1,620	\$186	610	\$70
DISRUPTOR, MAIN CHARGE (YY33)	A					1,475	\$68	1,519	\$70
STANDOFF DISRUPTOR (PAN)	A			9	\$52				

	P-1 ITEM NO 9		PAGE NO: 105		Page 1 of 3
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
STANDOFF DEARMER	A			9	\$54				
DEARMER, SMALL CALIBER	A			22	\$31				
RELOADER (ML66)	A			54	\$1	53	\$1	52	\$1
MK276 POPPER (AA64)	A			1,825	\$3	2,395	\$4	3,530	\$6
MK275 AVON (AA63)	A			6,000	\$35	1,527	\$9	853	\$5
MK274 ULTRA (AA62)	A			5,828	\$32	1,257	\$7	1,593	\$9
MINI-MINE DETECTOR	A			180	\$903	43	\$216		
ARS XRAY APPARATUS	A			19	\$361				
FERROUS LOCATOR MK26	A			55	\$191				
DEMOLITION TOOLS	A							88	\$445
EOD TRAINING AIDS	A					22	\$175	40	\$320
50 CAL API (A606)	A					12,500	\$99	4,540	\$36
EXPLOSIVE CUTTING TAPE (MM54)	A					3,574	\$334	4,127	\$392

	P-1 ITEM NO 9		PAGE NO: 106	Page 2 of 3
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UNCLASSIFIED

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

EXPLOSIVES ORDNANCE DISPOSAL (EOD)

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SEMTEX	A					1,400	\$25	1,372	\$25
DYNAMITE, 75% AMMON NITRATE (MN85)	A					2,040	\$7	2,005	\$7
RE70 FSS SIUG	A					1,175	\$67	1,255	\$73
COMP-4 (1LB BLOCK)	A			17,692	\$207	37,636	\$449		
DYNAMITE, AMONIA NITRATE 60% (MN32)	A			1,985	\$2				
TOTALS:					\$2,681		\$3,152		\$2,889

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO

9

PAGE NO:

107

Page 3 of 3

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SPARES AND REPAIR PARTS				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$1,039	\$3,307	\$4,364	\$4,977	\$4,891	\$5,466	\$6,075
<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 10		PAGE NO: 108		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

SPARES AND REPAIR PARTS

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
INITIAL SPARES							{ \$164 }		{ \$167 }
MISC. LOW COST INITIAL SPARES (P-1 LINE # N/A)	A						\$164		\$167
REPLENISHMENT SPARES					{ \$1,039 }		{ \$3,143 }		{ \$4,197 }
GP BOMBS (P-1 LINE # 4)	A				\$639		\$3,143		\$4,197
ITEMS LESS THAN \$5M (P-1 LINE # 13)	A				\$400				
TOTALS:					\$1,039		\$3,307		\$4,364

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO

10

PAGE NO:

109

Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MODIFICATIONS LESS THAN \$5 MILLION				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$199	\$188	\$202	\$874	\$887	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 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. 2. The FY05 funding request reflects estimated costs based on historical funding requirements and projected future requirements. 								
	P-1 ITEM NO 12		PAGE NO: 110		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000, OTHER
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST <small>(in Thousands)</small>		\$1,790	\$334	\$2,798	\$3,022	\$3,009	\$3,074	\$3,085

Description:

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 munitions equipment needed to support Air Force mission requirements.

	P-1 ITEM NO 13		PAGE NO: 111	Page 1 of 1
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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000, OTHER
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
NUCLEAR TRAINER				2	\$900
GRENADe, HAND, SMOKE GREEN (G940)				16,898	\$752
PEPPER SPRAY (KM01)				4,906	\$99
PEPPER SPRAY POCKET (KM02)				1,265	\$24
SIMULATOR, GROUND BURST (L594)				14,319	\$130
SIMULATOR, AIR BURST (L366)				1,094	\$35
GRENADe, HAND PRACTICE (L601)				33,004	\$136
HND GRENADe, RED SMOKE (G950)				14,876	\$721
RIOT CONTROL CAPSULE (K765)				1,370	\$1
TOTALS:					\$2,798

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 13		PAGE NO: 112	Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (OVERVIEW)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$133,801	\$142,140	\$123,830	\$137,197	\$155,826	\$161,653	\$188,463

Description:

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 FY05 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.
3. FY03 Flares funding increased \$2,293,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom.

	P-1 ITEM NO 14		PAGE NO: 113		Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-7B IR FLARE (L463)	A			556,324	\$21,927	599,496	\$22,619	597,695	\$24,643
LUU-1 FLARE (L660)	A			681	\$3,000			1,632	\$6,609
M206 FLARE (L410)	A			1,133,531	\$25,780	1,052,960	\$25,088	984,303	\$23,255
LUU-19 FLARE (LA05)	A			15,376	\$22,628	11,616	\$17,095	6,284	\$7,076
MJU-23 FLARE (L462)	A			14,941	\$9,000	4,007	\$2,707	7,339	\$4,990
MJU-39/40 FLARE	A			2,678	\$6,260	1,704	\$6,480	3,902	\$9,433
MJU-50/B FLARE	A			126,906	\$8,103	90,935	\$6,250	94,651	\$6,300
LUU-2B/B (L440)	A					10,378	\$7,936	9,352	\$7,201
M-211 (LA14)	A			71,766	\$9,611	106,785	\$15,832	51,311	\$7,750
MJU-62 (LA36)	A			5,566	\$1,600	34,922	\$9,126	14,350	\$4,200
MJU-51/B (LA20)	A			26,579	\$4,990	32,398	\$6,250	11,093	\$2,300
ITEMS LESS THAN \$5 MILLION	A				\$20,902		\$22,757		\$20,073
TOTALS:					\$133,801		\$142,140		\$123,830

	P-1 ITEM NO 14		PAGE NO: 114	Page 1 of 2
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO 14		PAGE NO: 115	Page 2 of 2
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$21,927	\$22,619	\$24,643	\$22,330	\$28,590	\$25,852	\$29,000

Description:

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.
2. FY03 funding increased \$235,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom.
3. This item is procured through the Single Manager for Conventional Ammunition (SMCA).

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

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)								DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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 (1)	A				369,400	\$40	\$14,591,300						
MJU-7A/B IR FLARE (2)	A				186,924	\$39	\$7,295,644						
MJU-7A/B IR FLARE (3)	A							599,496	\$38	\$22,612,989	597,695	\$41	\$24,636,988
PRODUCTION SUPPORT							(\$40,000)			(\$6,000)			(\$6,000)
QUALITY ASSURANCE							\$5,000			\$6,000			\$6,000
INDUSTRIAL STOCK SUPPORT							\$35,000						
TOTALS:							\$21,926,944			\$22,618,989			\$24,642,988
Remarks: Total Cost information is in actual dollars. (1) The FY03 buy was split between Armtec and Alliant Kilgore Corp, this row contains the costs for Armtec. (2) The FY03 buy was split between Armtec and Alliant Kilgore Corp, this row contains the costs for Alliant Kilgore Corp. (3) The contractor for FY04 and FY05 procurements is unknown.													
				P-1 ITEM NO 14				PAGE NO: 117				Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	369,400	\$40	AFMC/OO-ALC	MIPR/C/FP	ARMY/JMC, ARMTEC DEFENSE PROD/COACHELLA, CA	May-03	Oct-04			
FY2003	186,924	\$39	AFMC/OO-ALC	MIPR/C/FP	ARMY/JMC, ALLIANT KILGORE CORP/TOONE, TN	May-03	Sep-04			
FY2004	599,496	\$38	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/JMC, UNKNOWN	May-04	May-05	Yes		
FY2005	597,695	\$41	AFMC/OO-ALC	MIPR/OPT/	ARMY/JMC, UNKNOWN	May-05	May-06	Yes		
Remarks: Cost information is in actual dollars.										
P-1 ITEM NO 14			PAGE NO: 118			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-1- FLARE - L660)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$3,000	\$0	\$6,609	\$6,938	\$7,583	\$7,700	\$11,000
<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>								
P-1 ITEM NO 14		PAGE NO: 119		Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (LUU-1- FLARE - L660)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				681	\$4,257	\$2,898,888				1,632	\$3,985	\$6,503,243
PRODUCTION SUPPORT							{ \$101,000 }						{ \$106,000 }
QUALITY ASSURANCE							\$6,000						\$6,000
ACCEPTANCE TESTING							\$95,000						\$100,000
TOTALS:							\$2,999,888						\$6,609,243
Remarks: Total Cost information is in actual dollars.													
				P-1 ITEM NO 14				PAGE NO: 120				Page 1 of 1	

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-1- FLARE - L660)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
LUU-1/B FLARE										
FY2003(1)	681	\$4,257	AFMC/OO-ALC	C/FP	UNKNOWN	Jun-04	Apr-06	No	Mar-04	
FY2005	1,632	\$3,985	AFMC/OO-ALC	C/FP W/OPT	UNKNOWN	Mar-05	Oct-06	No	Mar-04	
<p>Remarks:</p> <p>Cost information is in actual dollars.</p> <p>The technical data package for this flare is currently being redesigned. The FY03 contract will be awarded after the TDP redesign is complete.</p> <p>Prices based on competitive estimates.</p> <p>(1) Units produced with FY03 funding is for production testing.</p>										
P-1 ITEM NO 14			PAGE NO: 121			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$25,781	\$25,088	\$23,255	\$24,032	\$24,286	\$21,861	\$22,542
<p>Description:</p> <ol style="list-style-type: none"> 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. FY03 funding increased \$950,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 								
	P-1 ITEM NO 14		PAGE NO: 122		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)											
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005					
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST			
FLARES (M206 FLARE - L410)																
M206 FLARE	A				488,883	\$26	\$12,618,070									
M206 FLARE (1)	A				36,800	\$26	\$949,808									
M206 FLARE (KILGORE)	A				607,848	\$20	\$12,059,704									
M206 FLARE (2)	A							1,052,960	\$24	\$24,965,682	984,303	\$24	\$23,131,121			
PRODUCTION SUPPORT							{\$153,400}			{\$122,200}			{\$123,900}			
PRODUCTION ENGINEERING							\$110,400			\$116,000			\$117,500			
QUALITY ASSURANCE							\$8,500			\$6,200			\$6,400			
INDUSTRIAL STOCK SUPPORT (3)							\$34,500									
TOTALS:							\$25,780,983			\$25,087,882			\$23,255,021			
Remarks: Total Cost information is in actual dollars.																
					P-1 ITEM NO 14						PAGE NO: 123					
														Page 1 of 2		

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>FY03 production is split between Armtec and Alliant Kilgore.</p> <p>(1) Contract awarded with FY03 supplemental funds.</p> <p>(2) Costs based on expected average between Armtec and Alliant Kilgore.</p> <p>(3) Industrial stock support funds materiel management under Conventional Ammunition Working Capital Fund (CAWCF), and does not apply after FY03.</p>														
P-1 ITEM NO 14				PAGE NO: 124				Page 2 of 2						

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
FLARES (M206 FLARE - L410)(1)										
M206 FLARE										
FY2003(2)	36,800	\$26	AFMC/OO-ALC	MIPR/OTH/FFP	ARMY/JMC/ARMTEC/AUSTIN , TX	Sep-03	Jul-04			
FY2003	488,883	\$26	AFMC/OO-ALC	IPR/OPT/FFP - FIR	ARMY/JMC/ARMTEC/AUSTIN , TX	May-03	Aug-04			
M206 FLARE (KILGORE)										
FY2003	607,848	\$20	AFMC/OO-ALC	IPR/OPT/FFP - FIR	ARMY/JMC/ALLIANT KILGORE CORP/TOONE, TN	May-03	Jul-04			
M206 FLARE										
FY2004	1,052,960	\$24	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/JMC/UNKNOWN	Apr-04	Apr-05	Yes		
FY2005	984,303	\$24	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/JMC/UNKNOWN	Apr-05	Apr-06	Yes		
Remarks: Cost information is in actual dollars. (1) FY03 procurement split between ARMTEC and Alliant Kilgore. Future procurements will also be split between the two contractors. (2) Procured with FY03 supplemental funds.										
			P-1 ITEM NO 14			PAGE NO: 125				Page 1 of 1

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: LUU-19 FLARE (LA05)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$22,628	\$17,095	\$7,076	\$9,043	\$11,918	\$13,200	\$16,500
<p>Description:</p> <ol style="list-style-type: none"> 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. 2. FY03 funding increased \$710,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom. 3. This item is procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate. 								
	P-1 ITEM NO 14		PAGE NO: 126		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: LUU-19 FLARE (LA05)
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
LUU-19/B FLARE	A			15,376	\$22,627,937	11,616	\$17,095,035	6,284	\$7,076,098
TOTALS:					\$22,627,937		\$17,095,035		\$7,076,098

Remarks:

Cost information is in actual dollars.

	P-1 ITEM NO 14		PAGE NO: 127	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: LUU-19 FLARE (LA05)						
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-19/B FLARE										
FY2003(1)	15,376	\$1,472	AFMC/OO-ALC	OPT/FP	THIOKOL/BRIGHAM, UT	Mar-03	Nov-03			
FY2004(1)	11,616	\$1,472	AFMC/OO-ALC	OPT/FP	THIOKOL/BRIGHAM, UT	Mar-04	Nov-04	Yes		
FY2005(2)	6,284	\$1,126	AFMC/OO-ALC	SS/FP W/OPT	THIOKOL/BRIGHAM, UT	Mar-05	Nov-05	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) The contract base year for FY03 and FY04 is FY02. (2) The contract for FY05 will be a new base year with three option years.</p>										
P-1 ITEM NO 14			PAGE NO: 128			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-23 FLARE - L462)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$9,000	\$2,707	\$4,990	\$4,990	\$4,500	\$6,600	\$7,490
<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. 								
	P-1 ITEM NO 14		PAGE NO: 129		Page 1 of 1			

UNCLASSIFIED

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

DATE: FEBRUARY 2004

APPROP CODE/BA:
PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:
FLARES (MJU-23 FLARE - L462)

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-23 FLARE - L426	A			14,941	\$8,999,711	4,007	\$2,706,568	7,339	\$4,989,933
TOTALS:				14,941	\$8,999,711	4,007	\$2,706,568	7,339	\$4,989,933

Remarks:

Cost information is in actual dollars.

P-1 ITEM NO
14

PAGE NO:
130

Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	14,941	\$602.35	AFMC/OO-ALC	SS/FP	ARMTEC/CAMDEN, AR	Aug-03	Oct-04			
FY2004	4,007	\$675.46	AFMC/OO-ALC	SS/FP	ARMTEC/CAMDEN, AR	Mar-04	Jun-05	Yes		
FY2005	7,339	\$679.92	AFMC/OO-ALC	SS/FP W/OPT	ARMTEC/CAMDEN, AR	Mar-05	Jun-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>1. ARMTEC is currently the only qualified source.</p>										
			P-1 ITEM NO 14			PAGE NO: 131	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: MJU-39/40 ACFT FLARE
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$6,260	\$6,480	\$9,433	\$10,922	\$10,771	\$12,027	\$12,253

Description:

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.

2. This item was previously procured through the F-22 System Program Office, Wright Patterson AFB, OH. Starting with the FY04 buy this item will be procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate.

	P-1 ITEM NO 14		PAGE NO: 132		Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)								DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MJU-39/40 ACFT FLARE									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				2,678	\$2,338	\$6,260,093	1,704	\$3,803	\$6,480,142	3,902	\$2,418	\$9,433,085
TOTALS:							\$6,260,093			\$6,480,142			\$9,433,085
Remarks: Total Cost information is in actual dollars.													
				P-1 ITEM NO 14				PAGE NO: 133				Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	2,678	\$2,338	AFMC/ASC	SS/FFP W/OPT	BAE/NASHUA, NH	Nov-02	Mar-05			
FY2004	1,704	\$3,803	AFMC/OO-ALC	OPT/FFP	BAE/NASHUA, NH	Apr-04	Apr-05	Yes		
FY2005	3,902	\$2,418	AFMC/OO-ALC	OPT/FFP	BAE/NASHUA, NH	Nov-05	Nov-06	Yes		
<p>Remarks: Cost information is in actual dollars. FY03 rates reflect new contracted rates. FY04 unit costs impacted by tooling replacement, which is on a two-year cycle.</p>										
			P-1 ITEM NO 14			PAGE NO: 134	Page 1 of 1			

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MJU-50 ACFT FLARE-LA19				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$8,103	\$6,250	\$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>								
	P-1 ITEM NO 14		PAGE NO: 135		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-50) - LA19
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-50	A			126,906	\$8,102,948	90,935	\$6,249,963	94,651	\$6,299,971
TOTALS:					\$8,102,948		\$6,249,963		\$6,299,971

Remarks:

Cost information is in actual dollars.

	P-1 ITEM NO 14		PAGE NO: 136	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: MJU-50 ACFT FLARE-LA19						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MJU-50										
FY2003(1,3)	126,906	\$63.85	AFMC/OO-ALC	MIPR/OPT/FFP W/OPT	NAVY/CRANE, ALLOY SURFACES/ASTON, PA	Apr-04	Apr-05			
FY2004(1)	90,935	\$68.73	AFMC/OO-ALC	MIPR/OPT/FFP W/OPT	NAVY/CRANE, ALLOY SURFACES/ASTON, PA	Mar-04	Mar-05	Yes		
FY2005(2)	94,651	\$66.56	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ALLOY SURFACES/ASTON, PA	Mar-05	Mar-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has an FY00 base year. The base year contract was a sole source to Alloy Surfaces. (2) FY05 will be a new base contract. Air Force plans to contract directly with Alloy Surfaces. (3) Contract award delayed, because the reliabiliaty of the flare was below the specification. A product improvement plan has been developed to bring the reliability to the specification level.</p>										
			P-1 ITEM NO 14			PAGE NO: 137				Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (LUU-2B/B ACFT FLARE - L440)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$7,936	\$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. 								
	P-1 ITEM NO 14		PAGE NO: 138		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (LUU-2B/B ACFT FLARE - L440)										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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							10,378	\$764	\$7,933,151	9,352	\$769	\$7,194,120		
PRODUCTION SUPPORT										{\$3,000}			{\$6,300}		
QUALITY ASSURANCE										\$3,000			\$6,300		
TOTALS:										\$7,936,151			\$7,200,420		
Remarks: Total Cost information is in actual dollars.															
				P-1 ITEM NO 14								PAGE NO: 139		Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2004	10,378	\$764	AFMC/OO-ALC	MIPR/C/FP W/OPT	ARMY/JMC, THIOKOL CORP/BRIGHAM, UT	Apr-04	Sep-05	Yes		
FY2005	9,352	\$769	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/JMC, THIOKOL CORP/BRIGHAM, UT	Apr-05	Sep-06	Yes		
<p>Remarks:</p> <p>Cost information is in actual dollars.</p> <p>Contract has an FY04 base year.</p>										
P-1 ITEM NO 14			PAGE NO: 140			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$9,611	\$15,832	\$7,750	\$14,670	\$16,690	\$14,460	\$15,960
<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. FY03 funding increased \$710,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom. 3. This item is procured through the Armament Research Development and Engineering Center (ARDEC) at Picatinny Arsenal, NJ. 								
	P-1 ITEM NO 14		PAGE NO: 141		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M211 FLARE	A			71,766	\$9,610,903	106,785	\$15,831,944	51,311	\$7,750,013
TOTALS:					\$9,610,903		\$15,831,944		\$7,750,013

Remarks:

Cost information is in actual dollars.

	P-1 ITEM NO 14		PAGE NO: 142		Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
M211 FLARE										
FY2003	71,766	\$133.92	AFMC/OO-ALC	MIPR/SS/FP	ARMY/ALLOY SURFACES/ASTON, PA	Aug-03	Aug-04			
FY2004(1)	106,785	\$148.26	AFMC/OO-ALC	MIPR/SS/FP W/OPT	ARMY/ALLOY SURFACES/ASTON, PA	Mar-04	Apr-05	Yes		
FY2005	51,311	\$151.04	AFMC/OO-ALC	MIPR/FP W/OPT	ARMY/ALLOY SURFACES/ASTON, PA	Mar-05	Apr-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY04 contract will have an option for FY05.</p>										
			P-1 ITEM NO 14			PAGE NO: 143				Page 1 of 1

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-62)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$1,600	\$9,126	\$4,200	\$0	\$0	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 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. 2. Procurements reduced due to decrease in requirements for the C-17 aircraft. 3. This item was previously developed and procured through the Advanced Strategic and Tactical Infrared Expenditures System Program Office, Wright Patterson AFB, OH. Starting in FY04 this item will be procured through Ogden Air Logistics Center. 								
	P-1 ITEM NO 14		PAGE NO: 144		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)								DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-62)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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	A				5,566	\$287	\$1,599,947	34,922	\$261	\$9,125,817	14,350	\$293	\$4,199,958
TOTALS:							\$1,599,947			\$9,125,817			\$4,199,958
Remarks: Total Cost information is in actual dollars.													
				P-1 ITEM NO 14				PAGE NO: 145				Page 1 of 1	

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-62)						
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-62 FLARE										
FY2003	5,566	\$287	AFMC/ASC	SS/FFP	ATK THIOKOL/BRIGHAM, UT	Nov-02	Feb-04			
FY2004	34,922	\$261	AFMC/OO-ALC	SS/FFP	ATK THIOKOL/BRIGHAM, UT	Mar-04	Oct-04	Yes		
FY2005	14,350	\$293	AFMC/OO-ALC	SS/FFP W/OPT	ATK THIOKOL/BRIGHAM, UT	Mar-05	Oct-05	Yes		
Remarks: Cost information is in actual dollars.										
P-1 ITEM NO 14			PAGE NO: 146			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-51 FLARE - LA20)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$4,990	\$6,250	\$2,300	\$2,300	\$2,300	\$2,300	\$2,300
<p>Description:</p> <ol style="list-style-type: none"> 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. 2. FY05 procurements reduced due to decreased requirements. 3. This item is procured through the Ogden Air Logistics Center, Air to Surface Munitions Directorate. 								
	P-1 ITEM NO 14		PAGE NO: 147		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (MJU-51 FLARE - LA20)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MJU-51	A				26,579	\$183	\$4,863,957	32,398	\$188	\$6,090,824	11,093	\$193	\$2,140,949
PRODUCTION SUPPORT							{\$126,000}			{\$159,000}			{\$159,000}
NAVY ENGINEERING							\$126,000			\$159,000			\$159,000
TOTALS:							\$4,989,957			\$6,249,824			\$2,299,949
Remarks: Total Cost information is in actual dollars.													
				P-1 ITEM NO 14				PAGE NO: 148				Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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	
MJU-51										
FY2003(1)	26,579	\$183	AFMC/OO-ALC	MIPR/SS/FFP	NAVY/CRANE, ALLOY SURFACES/ASTON, PA	Apr-04	Aug-04	Yes		
FY2004	32,398	\$188	AFMC/OO-ALC	MIPR/SS/FFP	NAVY/CRANE, ALLOY SURFACES/ASTON, PA	Apr-04	Aug-04	Yes		
FY2005(2)	11,093	\$193	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ALLOY SURFACES/ASTON, PA	Apr-05	Aug-05	Yes		
PRODUCTION SUPPORT										
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract award delayed to Apr 04 due to a flare reliability issue. A Product Improvement Plan (PIP) has been developed to resolve the reliability issue.</p> <p>(2) FY05 contract will have options for FY06 and FY07. The Air Force plans to contract directly with Alloy Surfaces.</p>										
			P-1 ITEM NO 14			PAGE NO: 149				Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$20,090	\$22,757	\$20,073	\$28,072	\$34,938	\$44,853	\$59,418

Description:

1. All listed items on the following P-40A-IL have a FY05 procurement value of less than \$5,000,000 and are Code A.
2. Representative items requested in FY05 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-1 ITEM NO 14		PAGE NO: 150	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)				DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
MJU-10/B FLARE (L461)				20,018	\$1,980
MJU-47/B				11,229	\$3,762
MJU-48/B				9,822	\$3,280
MJU-53				4,881	\$568
M-212 (LA15)				18,220	\$2,752
ALA-17B FLARE CARTRIDGE (LY12)				6,939	\$3,500
MJU-52				58,251	\$1,500
SIG KIT PRSNL DISTRESS (L119)				2,377	\$150
FLARE DISP ADAPTER KIT (SUU-25)				10,238	\$80
COMBAT RESCUE AND RECOVERY				4,409	\$2,251
SIG IL GRND GRN STR CLS M125A1 (L314)				2,181	\$100
SIGNL,ILL GRN RED STR M158 (L306)				2,650	\$120

	P-1 ITEM NO 14		PAGE NO: 151	Page 1 of 2
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
SHEAR PIN F/SUU-25 (LY57)				214,285	\$30
TOTALS:					\$20,073

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES (OVERVIEW)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$73,762	\$25,196	\$36,507	\$62,603	\$56,329	\$59,055	\$59,193
<p>Description:</p> <ol style="list-style-type: none"> 1. A bomb fuze is a device for initiating the explosive train of a bomb at the appropriate time to fulfill mission requirements. Normally, fuzes are placed in both the nose and tail of the bomb to increase functional reliability. The Fuze category includes the FMU-152/B Joint Programmable Fuze, DSU-33 Proximity Sensor Fuze, FMU-139B/B fuze, and the FMU-143B/B fuze. 2. FY03 Fuze funding increased \$36,200,000 (FY03 Supplemental Appropriation) for recapitalization of expended munitions during Operation Iraqi Freedom. <ul style="list-style-type: none"> - Note: \$12,000,000 was utilized to procure FMU-143 3. Items procured during execution may change based on the most critical munitions/equipment needed to support Air Force mission requirements. 								
	P-1 ITEM NO 15		PAGE NO: 153		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
FUZES (OVERVIEW)									
FMU-152/B JOINT PROGRAMMABLE FUZE	A				\$2,750	683	\$5,143	3,600	\$11,478
FMU-139 FUZE	A			23,188	\$17,575	9,582	\$7,495	10,141	\$8,298
DSU-33B/B PROXIMITY SENSOR (BY30)	A			27,376	\$35,037	6,625	\$9,248	12,483	\$16,505
ITEMS LESS THAN 5 MILLION DOLLARS	A				\$18,400		\$3,310		\$226
TOTALS:					\$73,762		\$25,196		\$36,507

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO 15		PAGE NO: 154		Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES-JPF				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$2,750	\$5,143	\$11,477	\$34,744	\$44,899	\$44,169	\$43,291
<p>Description:</p> <ol style="list-style-type: none"> 1. The FMU-152/B Joint Programmable Fuze (JPF) is a Joint AF/Navy multi-function unitary fuze developed and procured for the Joint Direct Attack Munition (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. 2. A cockpit programmable fuze is a critical mission requirement significantly enhancing war-fighting capability. 3. This item is procured through the Air Armament Center, Eglin AFB. 								
	P-1 ITEM NO 15		PAGE NO: 155		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FUZES-JPF								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
HARDWARE								683		(\$2,349)	3,600		(\$9,418)
FMU-152/B FUZE	A							683	\$3,439	\$2,349	3,600	\$2,616	\$9,418
PRODUCTION SUPPORT							{\$938}			{\$2,794}			{\$2,060}
ECO/ECP										\$1,976			\$1,063
CONTRACTOR SUPPORT							\$938			\$818			\$997
NONRECURRING TESTING							{\$1,812}						
QUAL/FAAT/GOVT QUAL/LEGACY WPNS TESTING							\$1,812						
TOTALS:							\$2,750	683		\$5,143	3,600		\$11,478
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>Unit cost for FY05 decreased due to procurement of a larger quantity.</p>													
				P-1 ITEM NO 15				PAGE NO: 156				Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2004	683	\$3,439	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ORLANDO , FL	May-04	Nov-05	Yes		
FY2005	3,600	\$2,616	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ORLANDO , FL	Jan-05	Jan-06	Yes		
<p>Remarks: Cost information is in actual dollars. FY99 is the base year contract.</p>										
			P-1 ITEM NO 15			PAGE NO: 157				Page 1 of 1

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FUZES-FMU-139B/B, G119				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$17,575	\$7,495	\$8,298	\$8,620	\$0	\$0	\$0
<p>Description:</p> <ol style="list-style-type: none"> 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 the Joint Direct Attack Munition. 2. FY03 FMU-139B/B funding increased by \$7,500,000 (FY03 Supplemental Appropriation) for recapitalization of expended munitions during Operation Iraqi Freedom. 3. This fuze is being replaced by the FMU-152/B in FY07. 4. This item is procured through the Naval Air Systems Command. 								
	P-1 ITEM NO 15		PAGE NO: 158		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FUZES-FMU-139B/B, G119									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				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				13,193	\$750	\$9,900	9,582	\$750	\$7,190	10,141	\$800	\$8,113	
FMU-139B/B (1)	A				9,995	\$750	\$7,500							
NAVY ENGINEERING SUPPORT							\$175			\$305			\$185	
TOTALS:					23,188		\$17,575	9,582		\$7,495	10,141		\$8,298	
<p>Remarks: Total Cost information is in thousands of dollars. Unit cost is in actual dollars. (1) Second contract is the FY03 Supplemental Appropriation.</p>														
				P-1 ITEM NO 15					PAGE NO: 159					
												Page 1 of 1		

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	13,193	\$750	AFMC/OO-ALC	MIPR/FP W/OPT	NAVAL AIR SYSTEMS COMMAND/ALLIANT TECH SYSTEMS, MN	May-03	May-05			
FY2003(1)	9,995	\$750	AFMC/OO-ALC	MIPR/FFP	NAVAL AIR SYSTEMS COMMAND/ALLIANT TECH SYSTEMS, MN	Nov-03	Sep-04			
FY2004	9,582	\$750	AFMC/OO-ALC	MIPR/FP W/OPT	NAVAL AIR SYSTEMS COMMAND/ALLIANT TECH SYSTEMS, MN	Mar-04	Mar-06	Yes		
FY2005	10,141	\$800	AFMC/OO-ALC	MIPR/FP W/OPT	NAVAL AIR SYSTEMS COMMAND/ALLIANT TECH SYSTEMS, MN	Mar-05	Mar-07	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Second contract in FY03 was the FY03 Supplemental Appropriation.</p> <p>(1) Second contract in FY03 was the FY03 Supplemental Appropriation.</p>										
			P-1 ITEM NO 15			PAGE NO: 160				Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: DSU-33B/B PROXIMITY SENSOR				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$35,037	\$9,248	\$16,505	\$16,351	\$8,019	\$12,856	\$14,902
<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 significantly expands the high altitude release capability for bomber attacks. In addition, the DSU-33B/B provides extended operational and service life as well as increased ruggedness and full compatibility with Navy weapons. 2. FY03 funding increased \$16,700,000 (FY03 Supplemental Appropriation) for recapitalization of expended munitions during Operation Iraqi Freedom. 3. During FY04 and FY05 a Value Engineering Change Proposal (VECP) will be incorporated into the DSU-33 sensor. After implementation, the VECP will minimize the amount of obsolete parts and improve reliability. 4. This item is procured through the Air Armament Center, Eglin AFB. 								
	P-1 ITEM NO 15		PAGE NO: 161		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: DSU-33B/B PROXIMITY SENSOR									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
DSU-33B/B	A				27,376	\$1,224	\$33,510	6,625	\$1,196	\$7,925	12,483	\$1,250	\$15,604	
PRODUCTION SUPPORT							{\$1,506}			{\$1,323}			{\$901}	
ECO/ECP							\$522			\$520			\$149	
PROGRAM MANAGEMENT ADMIN							\$317			\$247			\$299	
CONTRACTOR SUPPORT							\$667			\$556			\$453	
TEST SUPPORT (LOT ACCEPTANCE TEST/QUAL)							\$21							
TOTALS:							\$35,037			\$9,248			\$16,505	
<p>Remarks: Total Cost information is in thousands of dollars. Unit cost information is actual dollars.</p>														
				P-1 ITEM NO 15					PAGE NO: 162					
												Page 1 of 1		

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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										
FY2003	27,376	\$1,224	AFMC/AAC	SS/FFP W/OPT	ALLIANT/JANESVILLE, WI	Feb-03	Dec-03			
FY2004	6,625	\$1,196	AFMC/AAC	SS/FFP W/OPT	ALLIANT/JANESVILLE, WI	Feb-04	Dec-04	Yes		
FY2005	12,483	\$1,250	AFMC/AAC	SS/FFP W/OPT	ALLIANT/JANESVILLE, WI	Feb-05	Nov-05	Yes		
Remarks: Cost information is in actual dollars.										
P-1 ITEM NO 15			PAGE NO: 163			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (LESS THAN \$5M)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST <small>(in Thousands)</small>		\$18,400	\$3,310	\$227	\$2,888	\$3,411	\$2,030	\$1,000

Description:

1. This category includes various fuzes to include inert training items that have an annual procurement value of less than \$5 million and are code A.
2. Items procured during execution may change based on the most critical equipment needed to support Air Force mission requirements.

	P-1 ITEM NO 15		PAGE NO: 164	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (LESS THAN \$5M)
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
FMU-143 D-2 (CY10)				193	\$227
TOTALS:					\$227

Remarks:
Cost information is in thousands of dollars.

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (OVERVIEW)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$7,697	\$18,892	\$15,830	\$6,042	\$4,892	\$3,405	\$7,138
<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 FY05 are identified on the accompanying P-40A. 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 16		PAGE NO: 166		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

SMALL ARMS (OVERVIEW)

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SMALL ARMS (OVERVIEW)									
M-4 CARBINE	A			2,655	\$3,720	6,779	\$9,643	21	\$30
M-9 PISTOL	A			1,761	\$1,006	6,256	\$3,636	20,709	\$12,226
ITEMS LESS THAN \$5M	A				\$2,971		\$5,613		\$3,574
TOTALS:					\$7,697		\$18,892		\$15,830

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO

16

PAGE NO:

167

Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: M-4 CARBINE 1005-01-231-0973				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$3,720	\$9,643	\$30	\$30	\$30	\$30	\$100
<p>Description:</p> <ol style="list-style-type: none"> 1. The M4 Carbine is a 5.56 mm, 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). The M4 will provide the war fighter with an all-in-one combat weapon, providing increased lethality and overmatch on the battlefield. The M4 increases the combat power available to the war fighter by providing capabilities and flexibility not presently available in the inventory of fielded small arms. 2. Without funding, Security Force Protection Programs will not be able to meet critical mission requirements in support of on-going initiatives for Homeland Defense and Enduring Freedom. Increased Force Protection Programs are mandated as a result of the War on Terrorism. 3. Funding in FY03 and FY04 supports replacement of existing M-16 rifles with M4 Carbines. 4. Items requested are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements. 								
	P-1 ITEM NO 16		PAGE NO: 168		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: M-4 CARBINE 1005-01-231-0973										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
M-4 CARBINE	A				2,655	\$1,401	\$3,720	6,779	\$1,423	\$9,643	21	\$1,446	\$30		
TOTALS:							\$3,720			\$9,643			\$30		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 16								PAGE NO: 169		Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: M-4 CARBINE 1005-01-231-0973						
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										
FY2003	2,655	\$1,401	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/JMC, COLT MANF/HARTFORD, CT	Dec-02	Dec-03			
FY2004	6,779	\$1,423	AFMC/WR-ALC	MIPR/SS/FFP	ARMY/JMC, COLT MANF/HARTFORD, CT	Apr-04	May-05	Yes		
FY2005	21	\$1,446	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/JMC, COLT MANF/HARTFORD, CT	Feb-05	Mar-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>FY04 is the base year of a new multiple-year contract with Colt Manufacturing with options.</p>										
P-1 ITEM NO 16			PAGE NO: 170			Page 1 of 1				

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (9-MM PISTOL)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$1,006	\$3,636	\$12,226	\$5,471	\$4,221	\$2,734	\$6,179
<p>Description:</p> <ol style="list-style-type: none"> 1. The M9 is the USAF Personal Defense Weapon (PDW), which is a semiautomatic, double-action pistol that is more lethal, lighter, and safer than previous pistols. Service members, such as law enforcement personnel and aviators, carry the weapon. 2. If funding is not received units will not be able to support their Operational Plan (OPLAN). Mission readiness will be severely impacted. Pistols are required in support of: antiterrorism, narcotic-terrorist, counter-narcotics, maritime intercept operations, anti-guerrilla, and peacemaking operations. 3. The FY05 funding is a result of accelerated replacements of M9 pistols to the field. The average life of the currently fielded M9 is twice the projected life expectancy resulting in increased breakdown and decreased accuracy of the weapon. 4. Items requested are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements. 								
	P-1 ITEM NO 16		PAGE NO: 171		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: SMALL ARMS (9-MM PISTOL)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
9MM PISTOL, NSN 1005-01-118-2640	A				1,761	\$571.47	\$1,006	6,256	\$581.27	\$3,636	20,709	\$590.37	\$12,226
TOTALS:							\$1,006			\$3,636			\$12,226
Remarks: Total Cost information is in thousands of dollars.													
				P-1 ITEM NO 16				PAGE NO: 172				Page 1 of 1	

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS (9-MM PISTOL)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
9MM PISTOL, NSN 1005-01-118-2640										
FY2003	1,761	\$571.47	AFMC/WR-ALC	MIPR/OTH	ARMY/ROCK ISLAND/ARSENAL, IL	Jul-03	Sep-03			
FY2004	6,256	\$581.27	AFMC/WR-ALC	MIPR/SS/FFP W/OPT	ARMY/JMC, BERETTA USA/ACCOKEEK, MD	Jun-04	Sep-04	Yes		
FY2005	20,709	\$590.37	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/JMC, BERETTA USA/ACCOKEEK, MD	Feb-05	May-05	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>FY03 asets were bought directly from Army stocks. FY04 contract is under negotiation directly with Beretta USA and will be a multi-year contract with options.</p>										
			P-1 ITEM NO 16			PAGE NO: 173				Page 1 of 1

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: SMALL ARMS (LESS THAN \$5M)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST <small>(in Thousands)</small>		\$2,971	\$5,613	\$3,574	\$541	\$641	\$641	\$859

Description:

1. All items have an annual value of less than \$5M and are Code A. Representative items requested in FY05 are identified on the following P-40-A-IL.
2. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.
3. FY03 funding was increased by \$500,000 (FY03 Supplemental) for recapitalization of expended munitions during Operation Iraqi Freedom.

	P-1 ITEM NO 16		PAGE NO: 174	Page 1 of 1
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: SMALL ARMS (LESS THAN \$5M)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
.50 CAL BARRETT RIFLE				1	\$7
9MM COMPACT PISTOL				31	\$20
9MM GENERAL OFFICER PISTOL				19	\$10
M145 OPTICS				1,541	\$1,110
M203 GRENADE LAUNCHER				43	\$30
M240 MACHINE GUN				3	\$30
M249 MACHINE GUN				3	\$30
NIGHT VISION PVS-4				33	\$300
SHOTGUN				3,972	\$1,990
SIGHT, TELE				3	\$30
TRIPOD MOUNT				10	\$5
X4 TELESCOPE				14	\$10

	P-1 ITEM NO 16		PAGE NO: 175		Page 1 of 2
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UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: SMALL ARMS (LESS THAN \$5M)
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
VIPER II BINOC LASER RG FIND				1	\$2
TOTALS:					\$3,574

Remarks:
Cost information is in thousands of dollars.