

# **DEPARTMENT OF THE AIR FORCE**

## **COMMITTEE STAFF PROCUREMENT BACKUP BOOK FY 2003 AMENDED BUDGET SUBMISSION FEBRUARY 2002**



## **PROCUREMENT OF AMMUNITION**

**OFFICE ORIGIN: DIRECTORATE OF SUPPLY  
COMBAT SUPPORT DIVISION  
(AF/ILSR)**

DEPARTMENT OF THE AIR FORCE  
OTHER PROCUREMENT APPROPRIATION ESTIMATES  
FOR FISCAL YEAR 2003

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PROCUREMENT OF AMMUNITION, AF

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## **IDENTIFICATION CODES**

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

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

## **GLOSSARY**

### Contract Method

ALLOT - Allotment

C - Competitive

DO - Delivery Order

FCA - Fund Cite Authorization

MIPR - Military Interdepartmental Purchase Request

OA - Obligation Authority

OPT - Option

OTH - Other

PO - Project Order

REQN - Requisition

SS - Sole Source

WP - Work Project

MIPR-OPT - Military Interdepartmental Purchase Request - Option

MIPR-C - Military Interdepartmental Purchase Request - Competitive

MIPR-SS - Military Interdepartmental Purchase Request - Sole Source

MIPR-OTH - Military Interdepartmental Purchase Request - Other

Contract Type

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

Contracted By

11 WING - 11<sup>th</sup> 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  
USAFAC - United States Air Force Academy, Colorado Springs, CO

SSG - Standard Systems Group, Maxwell AFB-Gunter Annex, AL

Bases/Organizations

11 WING - 11<sup>th</sup> Support Wing  
ACC - Air Combat Command  
AETC - Air Education & Training Command  
AFCAO - Air Force Computer Acquisition Office  
AFCESA - Air Force Civil Engineering Support Agency  
AFCIC - AF Communications & Information Center  
AFCSC - Air Force Cryptologic Service Center  
AFESC - Air Force Engineering Services Center  
AFGWC - Air Force Global Weather Central  
AFIT - Air Force Institute of Technology  
AFMC - Air Force Materiel Command  
AFMETCAL - Air Force Metrology and Calibration Office  
AFMLO - Air Force Medical Logistics Office  
AFNEWS - Air Force Information & News Service Center  
AFOSI - Air Force Office of Special Investigation  
AFOTEC - Air Force Operational Test & Evaluation Center  
AFPC - Air Force Personnel Center  
AFPSL - AF Primary Standards Lab  
AFR - Air Force Reserve  
AFSOC - AF Special Operations Command  
AFSPC - Air Force Space Command  
AIA - Air Intelligence Agency  
AMC - Air Mobility Command  
ANG - Air National Guard

AU - Air University  
AWS - Air Weather Service  
CIA - Central Intelligence Agency  
DGSC - Defense General Support Center  
DLA - Defense Logistics Center  
DOE - Department of Energy  
DSCC - Defense Supply Center, Columbus  
DPSC - Defense Personnel Support Center  
ER - Eastern Range  
ESC - Electronic Systems Center  
FAA - Federal Aviation Agency  
FBI - Federal Bureau of Investigation  
GSA - General Services Administration  
JCS - Joint Chiefs of Staff  
JCS - Johnson Space Center  
NATO - North Atlantic Treaty Organization  
NBS - National Bureau of Standards  
PACAF - Pacific Air Forces  
USAF - United States Air Force  
USAFA - United States Air Force Academy  
USAFE - United States Air Force Europe  
USCENTCOM - United States Central Command  
USEUCOM - United States European Command  
USMC - United States Marine Corps  
USSTRATCOM - United States Strategic Command  
WPAFB - Wright-Patterson AFB, OH  
WR - Western Range





## APPROPRIATION LANGUAGE

### PROCUREMENT OF AMMUNITION, AIR FORCE

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, 1,133, 864, to remain available for obligation until September 30, 2005.

UNCLASSIFIED  
 DEPARTMENT OF THE AIR FORCE  
 FY 2003 PROCUREMENT PROGRAM

SUMMARY  
 (\$ IN MILLIONS)

29 JAN 2002

APPROPRIATION: PROCUREMENT OF AMMUNITION, AIR FORCE -----	FY 2001 -----	FY 2002 -----	FY 2003 -----
ACTIVITY -----			
01. PROCUREMENT OF AMMO, AIR FORCE	656.9	858.2	1,129.5
02. WEAPONS	4.0	2.4	4.4
TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE	660.9	860.6	1,133.9

DEPARTMENT OF THE AIR FORCE  
FY 2003 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION, AIR FORCE

DATE: 29 JAN 2002

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS						S E C
			FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	FY 2003 QUANTITY	FY 2003 COST	
BUDGET ACTIVITY 01: PROCUREMENT OF AMMO, AIR FORCE									
ROCKETS									
1	ROCKETS	A		19.3		30.9		40.9	U
CARTRIDGES									
2	CARTRIDGES	A		108.3		120.1		154.6	U
BOMBS									
3	PRACTICE BOMBS	A		31.4		50.2		71.9	U
4	GENERAL PURPOSE BOMBS	A		22.4		110.5		108.6	U
5	CAWCF CLOSURE COSTS	A		11.3		7.9			U
6	SENSOR FUZED WEAPON	A	300	112.0	263	108.8	298	106.0	U
7	JOINT DIRECT ATTACK MUNITION	A	8904	203.5	8484	186.0	17917	378.9	U
8	WIND CORRECTED MUNITIONS DISP	A	5918	100.3	6917	111.4	4959	71.2	U
FLARE, IR MJU-7B									
9	CAD/PAD	A				18.1		19.8	U
10	EXPLOSVE ORDINANCE DISPOSAL (	A		3.5		1.4		2.7	U
11	SPARES AND REPAIR PARTS	A		3.3		2.7		3.0	U
12	MODIFICATIONS LESS THAN \$5M	A		.2		.2		.2	U
13	ITEMS LESS THAN \$5,000,000	A		4.7		1.6		2.0	U
FUZES									
14	FLARES	A		36.6		108.3		132.0	U
15	FUZES	A						37.7	U
TOTAL PROCUREMENT OF AMMO, AIR FORCE				656.9		858.2		1,129.5	

DEPARTMENT OF THE AIR FORCE  
 FY 2003 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION, AIR FORCE

DATE: 29 JAN 2002

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2001		FY 2002		FY 2003		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 02: WEAPONS									
SMALL ARMS									
16	SMALL ARMS	A		4.0		2.4		4.4	U
TOTAL WEAPONS				4.0		2.4		4.4	
TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE				660.9		860.6		1,133.9	

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ROCKETS (OVERVIEW)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$19,328	\$30,880	\$40,909	\$81,327	\$70,716	\$33,168	\$34,420
<p><b>Description:</b></p> <p>1. The Air Force primarily uses rockets to mark target locations for other aircraft during combat and training operations. Rockets constitute the primary target marking munition used by forward air control aircraft, which launch this munition from reuseable pods carried on the aircraft's pylons. The 2.75-inch diameter rocket with folding fins utilizes high explosive, white phosphorus, or target practice warheads, and can be 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.</p> <p>2. Items requested in FY03 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p> <p>3. Congress added \$6.3M for 2.75in Rocket Motors with a subsequent \$5M cut to Rockets for cost growth. Net increase of \$1.3M.</p>								
<b>P-1 ITEM NO</b> 1		<b>PAGE NO:</b> 1					Page 1 of 1	

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ROCKETS (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
2.75 INCH ROCKET MOTOR (HA07)				31,770	\$14,428	51,093	\$24,921	57,747	\$29,496
ITEMS LESS THAN \$5 MILLION					\$4,900		\$5,959		\$11,413
<b>Totals:</b>					\$19,328		\$30,880		\$40,909
<b>Remarks:</b>									
P-1 ITEM NO 1					PAGE NO: 2		Page 1 of 1		

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ROCKETS (2.75 INCH ROCKET MOTOR - HA07)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$14,428	\$24,921	\$29,496	\$52,664	\$41,376	\$23,317	\$24,397
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. The MK 66 MOD 4, 2.75 Inch Rocket Motor is a single stage, solid grained rocket motor used to propel various 2.75 inch warheads to their targets. The MK66 MOD 4 Rocket Motor offers the following technical enhancements over previous versions:               <ol style="list-style-type: none"> <li>a. Complete electro-magnetic radiation, electro-static discharge, and electro-magnetic pulse protection on all U.S. aircraft under all operational conditions</li> <li>b. Ignition system interoperability on all U.S. military aircraft</li> <li>c. Reduced propellant grain cracking during ignition</li> <li>d. Reduced ignition delay variability</li> <li>e. Reduced operational safety requirements</li> <li>f. Significantly reduced visible flash on ignition</li> <li>g. Improved grounding circuit</li> </ol> </li> <li>2. This item is procured through the Single Manager for Conventional Ammunition.</li> <li>3. Congress added \$6.3M for 2.75in Rocket Motors with a subsequent \$5M cut to Rockets for cost growth. Net increase of \$1.3M.</li> </ol>								
	<b>P-1 ITEM NO</b> 1		<b>PAGE NO:</b> 3			Page 1 of 1		

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)										DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: ROCKETS (2.75 INCH ROCKET MOTOR - HA07)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
COMPLETE ROUND	A				31,770	432.59	13,743	51,093	463.90	23,702	57,747	\$466.61	26,945
PRODUCTION SUPPORT							{685}			{1,219}			{2,551}
PRODUCTION ENGINEERING							270			401			759
PRODUCTION MANAGEMENT SUPPORT							415			818			1,792
<b>TOTALS:</b>							14,428			24,921			29,496
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 1							<b>PAGE NO:</b> 4				Page 1 of 1

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> 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	
COMPLETE ROUND										
FY01	31,770	454.14	AFMC/OO-ALC	OPT/FFP	GDOS - BURLINGTON, VT	DEC 00	JUL 02			
FY02	51,093	487.76	AFMC/OO-ALC	OPT/FFP	GDOS - BURLINGTON, VT	APR 02	OCT 03	Y		
FY03	57,747	510.78	AFMC/OO-ALC	OPT/FFP	GDOS - BURLINGTON, VT	APR 03	OCT 04	Y		
<b>REMARKS:</b> Option is to basic contract with General Dynamics Ordnance Systems (GDOS), Burlington VT, awarded Apr 99.										
		<b>P-1 ITEM NO</b> 1			<b>PAGE NO:</b> 5	Page 1 of 1				

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ROCKETS (ITEMS LESS THAN \$5 MILLION)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$4,900	\$5,959	\$11,413	\$28,663	\$29,340	\$9,851	\$10,023
<p><b>Description:</b></p> <p>1. All items have an annual procurement value of less than \$5,000,000 and are Code A. Items requested in FY03 are identified on the following P-40A-IL and are representative of items to be procured.</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>								
<b>P-1 ITEM NO</b> 1		<b>PAGE NO:</b> 6					Page 1 of 1	

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)</b>				<b>DATE: FEBRUARY 2002</b>	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT			<b>P-1 NOMENCLATURE:</b> ROCKETS (ITEMS LESS THAN \$5 MILLION)		
<b>PROCUREMENT ITEMS</b>	<b>NSN</b>			<b>FY2003</b>	
		<b>QTY.</b>	<b>COST</b>	<b>QTY.</b>	<b>COST</b>
INERT RKT MOTOR (HY18)				450	\$100
WHD 2.75 RKT SMK M156 PD M427 (H855)				3,903	\$3,400
RKT MOTOR GTR-18 (YW33)				19,992	\$2,185
2.75 INCH FLARE (HA06)				2,754	\$3,928
2.75 INCH ILLUM (H812)				1,127	\$1,800
<b>TOTALS:</b>					\$11,413
	<b>P-1 ITEM NO</b> 1		<b>PAGE NO:</b> 7		Page 1 of 1

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (OVERVIEW)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$108,309	\$120,142	\$154,620	\$171,644	\$182,909	\$178,936	\$178,625
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. The items within this category include cartridges and airborne counter measures used to support training qualification and war reserve stocks requirements.</li>   <li>2. Items requested in FY03 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</li>   <li>3. In FY02, Cartridges received \$18.82M as part of the Defense Emergency Relief Fund (DERF). These funds are not included in the funding baseline. Funding was used to purchase 5.56mm small caliber munitions in support of Operations Enduring Freedom and Nobel Eagle.</li> </ol>								
<b>P-1 ITEM NO</b> 2		<b>PAGE NO:</b> 8			Page 1 of 1			

# UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
20MM TP PGU-27A/B (AA24)	A			1,439,812	\$13,999	5,474,990	\$37,566	3,674,291	\$22,050	
30MM PGU-15/B (B116)	A			4,803,413	\$48,465	3,481,338	\$38,998	6,077,143	\$68,578	
BBU-36/B IMPULSE CARTRIDGE (MG11)	A					2,261,520	\$6,111			
MK107 IMPULSE CARTRIDGE (M943)	A					28,184	\$7,200			
RR-188 TRAINING CHAFF (LY98)	A			1,810,680	\$5,378	3,465,240	\$10,500	1,785,714	\$5,500	
5.56MM FRANGIBLE (AA40)	A							19,027,280	\$7,992	
7.62MM BALL TRACER 9/1 (A168)	A							10,980,000	\$6,052	
CAD/PAD	A				\$18,750					
ITEMS LESS THAN \$5 MILLION CARTRIDGES	A				\$21,717		\$19,767		\$44,448	
<b>Totals:</b>					\$108,309		\$120,142		\$154,620	
<b>Remarks:</b>										
			P-1 ITEM NO 2				PAGE NO: 9			
							Page 1 of 1			

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (20 MM TP PGU-27A/B, AA24)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$13,999	\$37,566	\$22,050	\$27,243	\$27,528	\$27,818	\$28,109
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. The 20 MM target practice (TP) round is used for air-to-air and air-to-ground training in the M61 aircraft cannon on the F-15 and F-16 aircraft. The Air Force procures various links, linking methods, and mixtures of target practice and target practice tracer ammunition depending on the specific requirement of the system and the training program. The cartridge is electrically primed and has no fuze. The 20MM projectile is a solid slug sized to match the ballistics of the 20MM combat round. The 20MM cartridge is the primary ammunition used in aircraft gun systems by the Air Force and Navy. The Air Force procures the PGU-27 TP round to provide a training capability to complement the PGU-28 high explosive incendiary (HEI) combat round and ensure training is consistent with combat operations.</li>   <li>2. Beginning in FY00, the new PGU-27A/B (DODIC AA24) was procured, replacing the PGU-27/B. Since aircraft software has been modified to effectively use the newer ammo (PGU-27), the older M50 series rounds will continue to be consumed until exhausted.</li>   <li>3. This item is procured through the Single Manager for Conventional Ammunition.</li>   <li>4. Items requested in FY 2003 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</li> </ol>								
	<b>P-1 ITEM NO</b> 2			<b>PAGE NO:</b> 10		Page 1 of 1		

# UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)						DATE: FEBRUARY 2002							
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
20MM TP	A				1,439,812	9.73	{13,709}	5,474,990	6.86	{36,921}	3,674,291	6.00	{22,032}
LOAD, ASSEMBLE,PACK					1,439,812	9.4382	13,589	5,474,990	6.6602	36,465	3,674,291	5.913	21,726
BOX, METAL M548 (1)					5,904	20.2997	120	22,448	20.2997	456	15,065	20.30	306
PALLET MK 3-0					288	89.42	26	1,095	94.3151	103	735	96.39	71
PRODUCTION SUPPORT							{212}			{848}			{51}
QUALITY ASSURANCE							11			13			20
ACCEPTANCE TESTING										527			
INTERIM TRANSPORTATION							1			.783			
INDUSTRIAL STOCK SUPPORT							200			307			31
NONRECURRING													
ENGINEERING SUPPORT							172			150			202
GOVERNMENT FURNISHED MATERIAL							-120			-456			-306
<b>TOTALS:</b>							13,999			37,565.78			22,050
<b>REMARKS:</b> (1) Government furnished equipment													
		<b>P-1 ITEM NO</b> 2				<b>PAGE NO:</b> 11				Page 1 of 1			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
20MM TP										
FY01	728	9.73	AFMC/OO-ALC	C/FP	ALLIANT TECH SYS, NEW BRIGHTON, MN	MAR 01	NOV 01			
FY01 (1)	712	9.73	AFMC/OO-ALC	C/FP	GENERAL DYNAMICS ORD TAC MARION, IL	MAR 01	MAY 02			
FY02	5,475	6.86	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	MAR 03	Y		
FY03	3,674	6.00	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 03	MAR 04	Y		
<b>REMARKS:</b> (1) General Dynamics purchased Primex and its contracts. Quantity in thousands.										
		<b>P-1 ITEM NO</b> 2				<b>PAGE NO:</b> 12				Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (30 MM TP PGU-15/B, B116)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$48,465	\$38,998	\$68,578	\$65,797	\$66,261	\$66,657	\$66,990
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. The 30MM target practice (TP) cartridge is a solid, inert projectile used to train aircrews in the use of the GAU-8/A cannon on the A-10 aircraft and the PGU-5/A 30MM gun pod on the F-16 aircraft. The cartridge is mechanically primed and has no fuze, while the projectile is a solid slug designed to match the ballistics of high explosive incendiary and armor piercing incendiary cartridges.</li>   <li>2. This item is procured through the Single Manager for Conventional Ammunition.</li>   <li>3. Items requested in FY 2003 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</li> </ol>								
	<b>P-1 ITEM NO</b> 2			<b>PAGE NO:</b> 13		Page 1 of 1		

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: CARTRIDGES (30 MM TP PGU-15/B, B116)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
30MM TP	A				4,807,448	10.08	{47,722}	3,461,397	11.26	{38,631}	6,077,143	11.28	{68,285}	
LOAD, ASSEMBLE, PACK					4,807,448	9.3743	45,066	3,461,397	10.4971	36,335	6,077,143	10.4294	63,381	
CONTAINER CNU-332E					8,654	97.6118	845	6,231	93.8262	585	10,939	90.4278	989	
TUBE AND STRAP ASSEMBLY					8,654	209.2310	1,811	6,231	274.5929	1,711	10,939	357.8654	3,915	
PRODUCTION SUPPORT							{743}			{367}			{293}	
QUALITY ASSURANCE							5			44			47	
ACCEPTANCE TESTING							20							
INTERIM TRANSPORTATION							26			3				
ENGINEERING SUPPORT													150	
INDUSTRIAL STOCK SUPPORT							692			320			96	
<b>TOTALS:</b>							48,465			38,998			68,578	
<b>REMARKS:</b>														
				<b>P-1 ITEM NO</b> 2					<b>PAGE NO:</b> 14					Page 1 of 1

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2002			
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										
FY01	2,172	10.02	AFMC/OO-ALC	C/FP	GENERAL DYNAMICS ORD TAC, MARION, IL	MAR 01	MAR 02			
FY01	2,635	10.02	AFMC/OO-ALC	C/FP	ALLIANT TECH SYS, NEW BRIGHTON, MN	MAR 01	MAR 02			
FY02	3,461	11.26	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	MAR 03	Y		
FY03	6,077	11.28	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 03	MAR 04	Y		
<b>REMARKS:</b> Quantity in thousands.										
		<b>P-1 ITEM NO</b> 2				<b>PAGE NO:</b> 15				Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (RR-188 CHAFF)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$5,378	\$10,500	\$5,500	\$7,130	\$8,690	\$8,780	\$8,870
<p><b>Description:</b></p> <p>1. The RR-188 chaff cartridge contains a payload of chaff that can be dispensed during flight to meet aircrew training requirements. The functional characteristics are similar to the 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. Because the RR-188 payload does not interfere with air traffic control radar, it provides the alternative necessary for realistic combat aircrew training.</p> <p>2. Items requested in FY 2003 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p> <p>3. Like the combat chaff cartridges, the RR-188 fits into a multiple cartridge magazine (MJU-11 or MJU-15) that can be installed in any of the ALE-40 series flare/chaff dispensing systems on several types of aircraft. The RR-188 chaff cartridge consists of a square plastic tube approximately, .97 inches in width, .97 inches in height, and 8.145 inches long with a receptacle for an impulse cartridge, (BBU-35/B), plastic piston, chaff dipole payload, and a plastic end cap. The chaff cartridge contains no explosive or incendiary components when the impulse cartridge is not installed.</p>								
	<b>P-1 ITEM NO</b> 2			<b>PAGE NO:</b> 16		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (RR-188 CHAFF)						
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
RR-188 CHAFF	A			1,815,264	\$5,378	3,465,240	\$10,500	1,785,714	\$5,500	
<b>Totals:</b>					\$5,378		\$10,500		\$5,500	
<b>Remarks:</b>										
			<b>P-1 ITEM NO</b> 2				<b>PAGE NO:</b> 17			
							Page 1 of 1			

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (RR-188 CHAFF)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
RR-188 CHAFF										
FY00	1,288	2.94	AFMC/OO-ALC	C/FP	BAE SYSTEMS, LILLINGTON, NC	MAR 00	JAN 01			
FY01	1,815	2.97	AFMC/OO-ALC	C/FP	BAE SYSTEMS, LILLINGTON, NC	MAR 01	JAN 02			
FY02	3,465	3.03	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	JAN 03	Y		
FY03	1,786	3.08	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 03	JAN 04	Y		
<b>REMARKS:</b> Quantity in thousands.										
		<b>P-1 ITEM NO</b> 2				<b>PAGE NO:</b> 18				Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (5.56 FRANG)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$2,656	\$7,992	\$5,816	\$7,746	\$4,349	\$6,937
<p><b>Description:</b></p> <p>1. 5.56 frangible ammunition is used in the M-16 series rifles. It is the preferred 5.56 round for training purposes. This round has lead free propellant, primer and projectile which saves range cleanup cost.</p> <p>2. Items requested in FY 2003 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
		<b>P-1 ITEM NO</b> 2			<b>PAGE NO:</b> 19			Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (5.56 FRANG)						
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
5.56 FRANG (AA40)	A					6,322,200	\$2,656	19,027,280	\$7,992	
<b>Totals:</b>							\$2,656		\$7,992	
<b>Remarks:</b>										
			<b>P-1 ITEM NO</b> 2				<b>PAGE NO:</b> 20			
							Page 1 of 1			

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (5.56 FRANG)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
5.56 FRANG										
FY02	6,322	0.42	AFMC/OO-ALC	C/FP	OLIN WINCHESTER CORP; INDEPENDENCE, MO	MAR 02	AUG 02	Y		
FY03	19,027	0.42	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 03	AUG 03	Y		
<b>REMARKS:</b> Quantities are in thousands.										
		<b>P-1 ITEM NO</b> 2		<b>PAGE NO:</b> 21			Page 1 of 1			

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES(7.62MM BALL TRACER 9/1-A168)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$800	\$6,052	\$5,816	\$5,878	\$5,940	\$6,001
<p><b>Description:</b></p> <p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. The 7.62mm round is procured to allow Force Protection, Pararescue, Tactical Control Party and RED HORSE forces to meet annual AEF weapon qualification requirements on the M-60 machine gun. Tracer rounds provide a visible ballistics track at night for proper aiming.</li>   <li>2. This item is procured through the Single Manager for Conventional Ammunition.</li> </ol>								
<b>P-1 ITEM NO</b> 2		<b>PAGE NO:</b> 22					Page 1 of 1	

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: CARTRIDGES(7.62MM BALL TRACER 9/1-A168)							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
7.62MM BALL TRACER (A168)										{673}			{5,948}
LOAD, ASSEMBLE, PACK (LAP)								1,270	0.53	673	10,980	0.54	5,948
BOX METAL M54 (1)													
PRODUCTION SUPPORT										{127}			{104}
PRODUCTION ENGINEERING										116			90
QUALITY ASSURANCE										5			5
INDUSTRIAL STOCK SUPPORT										6			9
<b>TOTALS:</b>								1,270		800	10,980		6,052
<b>REMARKS:</b> Quantities are in thousands													
		P-1 ITEM NO 2				PAGE NO: 23				Page 1 of 1			

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES(7.62MM BALL TRACER 9/1-A168)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
7.62MM BALL M80 LINKED										
FY02	1,270	0.63	AFMC/OO-ALC	SS/FP	ALLIANT TECH (LCAAP) INDEPENDENCE, MO	MAR 02	FEB 03	Y		
FY03	10,980	0.56	AFMC/OO-ALC	SS/FP	ALLIANT TECH (LCAAP) INDEPENDENCE, MO	NOV 02	OCT 03	Y		
<b>REMARKS:</b> Quantity in thousands										
		<b>P-1 ITEM NO</b> 2				<b>PAGE NO:</b> 24		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (ITEMS LESS THAN \$5 MILLION)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$21,717	\$19,767	\$44,448	\$40,709	\$36,461	\$42,945	\$37,301
<p><b>Description:</b></p> <p>1. The items less than \$5 million category include various cartridges used to support air and ground training qualification and war reserve stocks requirements. All items have an annual procurement value of less than \$5,000,000 and are Code A.</p> <p>2. Items requested in FY 2003 are identified on the following P-40A I/L and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
<b>P-1 ITEM NO</b> 2		<b>PAGE NO:</b> 25					Page 1 of 1	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2002	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN			FY2003	
		QTY.	COST	QTY.	COST
5.56MM BALL M193 (A071)				8,012,903	\$2,484
5.56MM BLANK (A080)				8,798,520	\$880
5.56MM NATO BALL CLIPPED (A059)				1,249,920	\$300
5.56MM 4-1 TRACER (SAW) (A064)				1,062,400	\$340
5.56MM SAW BLANK (A075)				3,451,200	\$1,139
7.62MM BALL DIM TRACER (A257)				780,000	\$390
7.62MM BALL M80 LINKED/M13 (A143)				9,804,000	\$4,902
7.62MM LINKED (A164)				736,500	\$450
7.62MM BALL 4/1 LINKED (A131)				3,240,000	\$1,620
9MM BALL (A363)				3,500,000	\$350
9MM BALL FRANGABLE (AA16)				10,375,000	\$4,150
40MM CARTRIDGE PRACTICE M (B576)				34,080	\$425
40MM CARTRIDGE AGT CS XM6 (B567)				84,528	\$760
40MM TP M918 LINKED F/MK19 (B584)				62,688	\$1,112
40MM CARTRIDGE WHITE STAR PARA M583 (B535)				1,496	\$60
40MM CARTRIDGE PRACTICE (B519)				217,272	\$1,150
81MM CARTRIDGE SMOKE M853A1 (C871)				1,517	\$888
.45 CAL BALL (MATCH GRADE) (A483)				286,000	\$83
	<b>P-1 ITEM NO</b> 2		<b>PAGE NO:</b> 26	Page 1 of 2	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2002	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN			FY2003	
		QTY.	COST	QTY.	COST
.50 CAL BALL/TCR LKD M2/M9 (A557)				680,800	\$1,212
.50 CAL BALL LINK (A555)				803,028	\$1,393
.50 CAL AP MK-263 (AA58)				813,480	\$3,620
12 GAUGE BUCKSHOT (A011)				200,000	\$72
BBU-35 IMPULSE CARTRIDGE (MG62)				2,348	\$4,884
BBU-46 IMPULSE CARTRIDGE (MT40)				3,049	\$400
CCU-41 IMPULSE CARTRIDGE (MF60)				25,882	\$110
ARD 446-1/B IMPULSE CARTRIDGE (WB33)				156,500	\$897
ARD 863-1A1W IMPULSE CARTRIDGE (M189)				686,000	\$2,500
MK-107 IMPULSE CARTRIDGE (M943)				7,272	\$1,600
BBU-63/B IMPULSE CARTRIDGE (SS44)				4,522	\$1,000
SIGNAL MK-4 MOD 3 (F562)				708,817	\$1,480
BBU-36 IMPULSE CARTRIDGE (MG11)				1,405,255	\$3,797
<b>TOTALS:</b>					\$44,448
	P-1 ITEM NO 2		PAGE NO: 27		Page 2 of 2

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (OVERVIEW)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$31,403	\$50,230	\$71,935	\$62,478	\$61,880	\$62,449	\$62,971
<p><b>Description:</b></p> <p>1. Items in this category consist of non-explosive training shapes used to provide combat air forces with aircrew weapons delivery training. They simulate the drop trajectory of explosives loaded bombs. Changing bomber roles, increased reliance on the Joint Direct Attack Munition (JDAM), utilization of a new B-52 rotary launcher and the need to replenish BDU-50's substituted for training shortages of BDU-56's have all contributed to greater requirements for these training munitions.</p> <p>2. FY 2001 funding includes \$1.0M Congressional add for MAU-93 Conical Tail Fins, reference Appropriation Conference Report 106-754, 17 Jul 00.</p> <p>3. Items requested in FY03 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 3			<b>PAGE NO:</b> 28		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK82 INERT/BDU-50 (F013)	A			9,008	\$6,949	26,992	\$20,537	57,743	\$43,319
BDU-33 25LB PRACTICE BOMB (E969)	A			427,422	\$7,226	622,727	\$11,693	227,882	\$4,443
MK84 EMPTY / BDU-56 (E756)	A			7,152	\$16,228	7,867	\$18,000	9,828	\$23,723
ITEMS LESS THAN \$5M					\$1,000				\$450
<b>Totals:</b>					\$31,403		\$50,230		\$71,935
<b>Remarks:</b>									
		<b>P-1 ITEM NO</b> 3				<b>PAGE NO:</b> 29		Page 1 of 1	

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$6,949	\$20,537	\$43,319	\$40,710	\$41,050	\$41,410	\$41,760
<b>Description:</b> 1. The MK-82 inert/BDU-50 is a non-explosive training shape, less the explosive filler, used to provide combat air forces with aircrew weapons delivery training. It is filled with a combination of concrete, vermiculite and sand.  2. This item is procured by the Single Manager for Conventional Ammunition.								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)						DATE: FEBRUARY 2002								
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		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				9,008	771.42	{6,872}	26,992	760.85	{20,917}	57,743	750.20	{44,527}	
LOAD, ASSEMBLE AND PACK					9,008	87.82	791	26,992	89.61	2,419	57,743	66.7074	3,852	
BOMB BODY BDU-50A/B					9,282	593.63	5,510	27,802	603.2551	16,772	59,798	622.6741	37,235	
SUSP LUG MS3314					18,924	14.68	278	56,684	14.93	846	112,486	14.4465	1,625	
PALLET, MHU 149/E					1,532	158.5	243	4,589	158.5	727	9,087	156.0000	1,418	
PALLET INSPECTION, MHU 149/E					1,532	32.80	50	4,589	33.32	153	9,087	43.6548	397	
PRODUCTION SUPPORT							{320}			{347}			{210}	
QUALITY ASSURANCE							5			5			7	
INTERIM TRANSPORTATION							61			26				
INDUSTRIAL STOCK SUPPORT							100			174			54	
NAVY ENGINEERING SUPPORT							154			142			149	
GOVERNMENT FURNISHED MATERIAL (1)							-243			-727			-1,418	
<b>TOTALS:</b>							6,949			20,537			43,319	
<b>REMARKS:</b> (1) Government Furnished Material consists of MHU 149/E pallets.														
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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> 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										
FY00	22,113	774.11	AFMC/OO-ALC	SS/FP	MCAAP (1)(2)	APR 00	OCT 02			
FY01	9,008	771.42	AFMC/OO-ALC	SS/FP	MCAAP (1)(2)	MAR 01	MAR 03			
FY02	26,992	760.85	AFMC/OO-ALC	SS/FP	MCAAP (1)(2)	FEB 02	SEP 03	Y		
FY03	57,743	750.20	AFMC/OO-ALC	SS/FP	MCAAP (1)(2)	JAN 03	SEP 04	Y		
<b>REMARKS:</b> (1) McAlester Army Ammunition Plant (MCAAP), McAlester, OK (2) Contract award and first delivery dates are for Load, Assemble and Pack (LAP) (MCAAP). Contractor method and type for the bomb body is C/FP. Bomb body contractor for FY00, FY01, and FY02 is Intercontinental Manufacturing (IMCO).										
		<b>P-1 ITEM NO</b> 3			<b>PAGE NO:</b> 32			Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (BDU-33/25 LB PRACTICE BOMB - E969)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$7,226	\$11,693	\$4,443	\$6,355	\$6,341	\$6,319	\$6,285
<p><b>Description:</b></p> <p>1. The BDU-33 practice bomb provides the combat air forces with an inert munition to facilitate aircrew weapons delivery training. The BDU-33 weighs 25 pounds, has a teardrop shaped metal body with a tube cavity lengthwise through the center, a conical after body, and a cruciform type fin in the aft end of the bomb body. A firing pin, inertia tube, and striker plate are separate components of the bomb. A receptacle is located forward of the center of gravity to install a single suspension lug if required. A hole is provided in each side of the body for hanging the bomb in SUU-20 or SUU-21 dispensers.</p> <p>2. This item is procured by the Single Manager for Conventional Ammunition.</p>								
<b>P-1 ITEM NO</b> 3		<b>PAGE NO:</b> 33			Page 1 of 1			

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<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)</b>												<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT						<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (BDU-33/25 LB PRACTICE BOMB - E969)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
BDU-33D/B	A				427,422	16.42	7,018	622,727	18.47	11,502	227,882	19.01	4,332	
PRODUCTION SUPPORT							{208}			{191}			{111}	
QUALITY ASSURANCE							4			5			3	
ENGINEERING SUPPORT							100			91			95	
INDUSTRIAL STOCK SUPPORT							104			95			13	
<b>TOTALS:</b>							7,226			11,693			4,443	
<b>REMARKS:</b>														
				<b>P-1 ITEM NO</b> 3					<b>PAGE NO:</b> 34					Page 1 of 1

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (BDU-33/25 LB PRACTICE BOMB - E969)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
BDU-33D/B										
FY01	427422	16.91	AFMC/OO-ALC	C/FP W/OPT	DELFASCO; GREENVILLE, TENN	JUL 01	MAY 02			
FY02	622727	18.78	AFMC/OO-ALC	C/FP	UNKNOWN	MAY 02	MAY 03	Y		
FY03	227882	19.50	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 03	MAY 04	Y		
<b>REMARKS:</b>										
		<b>P-1 ITEM NO</b> 3				<b>PAGE NO:</b> 35		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (BDU-56/B - E756)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$16,228	\$18,000	\$23,723	\$14,413	\$13,421	\$13,600	\$13,796
<p><b>Description:</b></p> <p>1. This item is a MK-84 2000-pound general-purpose bomb that is filled at McAlester Army Ammunition Plant with concrete, vermiculite and sand. The filled bomb without fuze wells or plumbing is used during training or test when a fully functional bomb is not required. The BDU-56 simulates the drop trajectory of a live MK-84.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition (SMCA).</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56/B - E756)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
BDU-56/B	A				7,152	2,269.01	{16,224}	7,867	2,288.04	{18,325}	9,828	2,413.82	{24,327}	
LOAD, ASSEMBLE AND PACK					7,152	290.64	2,079	7,867	266.21	2,094	9,828	373.01	3,666	
BOMB BODY-56/B W/O PLUMBING					7,367	1,738.65	12,809	8,104	1,819.748	14,747	10,123	1,857.95	18,808	
LUG SUSP MK3					15,020	36.71	551	16,521	37.34	617	20,639	37.59	776	
PALLET MK79					3,612	159.51	576	3,973	159.51	634	4,964	157	779	
PALLET INSPECTION MK79					3,612	57.83	209	3,973	58.75	233	4,964	60.05	298	
PRODUCTION SUPPORT							{580}			{309}			{175}	
QUALITY ASSURANCE							5			6			6.0	
INTERM TRANSPORTATION SUPPORT							142			23				
INDUSTRIAL STOCK SUPPORT							236			152			34.9	
NAVY ENGINEERING SUPPORT							197			128			134	
GOVERNMENT FURNISHED MATERIAL							-576			-634			-779	
<b>TOTALS:</b>							16,228			18,000			23,722.9	
<b>REMARKS:</b>														
		<b>P-1 ITEM NO</b> 3				<b>PAGE NO:</b> 37				Page 1 of 1				

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (BDU-56/B - E756)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
BDU-56/B										
FY01	7,152	2,269.01	AFMC/OO-ALC	SS/FP	MCAAP; MCALESTER, OK	MAR 01	JUN 03			
FY02	7,867	2,288.04	AFMC/OO-ALC	SS/FP	MCAAP; MCALESTER, OK	FEB 02	SEP 03	Y		
FY03	9,828	2,413.82	AFMC/OO-ALC	SS/FP	MCAAP; MCALESTER, OK	JAN 03	SEP 04	Y		
<p><b>REMARKS:</b></p> <p>(1) MCAAP- McAlester Army Ammunition Plant</p> <p>(2) Award dates are for Load, Assemble and Pack (LAP) performed at MCAAP. Contractor method and type for the bomb body is C/FP. Bomb body contractor has not been selected.</p>										
		<b>P-1 ITEM NO</b> 3				<b>PAGE NO:</b> 38		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ITEMS LESS THAN \$5 MILLION PRACTICE BOMBS				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$1,000	\$0	\$450	\$1,000	\$1,068	\$1,120	\$1,130
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. All items have a procurement value of less than \$5,000,000 and are code A. Items requested in FY03 are identified on the following P-40A and are representative of items to be procured.</li>   <li>2. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</li> </ol>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2002	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION PRACTICE BOMBS			
PROCUREMENT ITEMS	NSN			FY2003	
		QTY.	COST	QTY.	COST
BDU-33 LUG				225,000	\$450
<b>TOTALS:</b>					\$450
	P-1 ITEM NO 3		PAGE NO: 40		Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (OVERVIEW)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$22,415	\$110,522	\$108,589	\$169,369	\$220,442	\$189,375	\$181,339
<p><b>Description:</b></p> <p>1. The General Purpose (GP) Bombs category includes all high explosive air delivered bombs and associated fuzes, fins, and guidance kits. The warfighter delivers these munitions via fighter or bomber aircraft in support of both training and wartime contingency taskings. GP Bombs can be used as either unguided weapons or as guided munitions after the installation of a guidance and control kit.</p> <p>2. Items requested in FY 2003 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p> <p>3. In FY03 we anticipate receiving \$25M from the Cost of War Transfer Account. These funds are not included in the baseline. Funds would be used to buy laser guided bomb components and bomb bodies. Anticipated Cost of War Transfer Account funding for FY05 is \$31M and FY06 of \$16.5M.</p>								
	<b>P-1 ITEM NO</b> 4			<b>PAGE NO:</b> 41		Page 1 of 1		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
MK-84 2000 LB GP BOMB (F275)	A			872	\$3,340	3,100	\$16,600	7,674	\$31,620	
MK-82 500 LB GP BOMB (E485)	A							12,261	\$19,943	
BLU-109/B PENETRATOR (F140)	A							700	\$10,000	
BLU-110 1000 LB GP BOMB (EB28)	A							800	\$5,448	
BLU-109 D-1/B INERT (F034)	A			591	\$8,498					
MXU-650 FIN ASSEMBLY (F763)	A					2,369	\$10,876	2,035	\$9,532	
MAU-169H/B PAVEWAY II GCU (EA65)	A					3,953	\$41,662	2,035	\$21,780	
BSU-33 TAIL FIN, MK-82 (F782)	A			53,480	\$4,649	117,600	\$10,510			
DSU-33B/B PROXIMITY SENSOR (BY30)	A			3,501	\$4,999	6,793	\$11,575			
ITEMS LESS THAN \$5 MILLION GP BOMBS	A				\$929		\$19,299		\$10,266	
<b>Totals:</b>					\$22,415		\$110,522		\$108,589	
<b>Remarks:</b>										
			<b>P-1 ITEM NO</b> 4				<b>PAGE NO:</b> 42			
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$3,340	\$16,600	\$31,620	\$41,035	\$42,542	\$50,770	\$42,042
<p><b>Description:</b></p> <p>1. The MK-84 is a 2,000-pound class general purpose bomb. It has a relatively thin bomb case that is streamlined to reduce aerodynamic drag. The bomb produces blast and fragmentation effects and can be used as either an unguided high or low drag weapon. When used with a guidance kit, it can be employed as a precision guided bomb. The warhead is used 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.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)						DATE: FEBRUARY 2002							
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				FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
MK-84	A				872	3830.27	{3,093}	3,087	5377.39	{16,057}	5,677	5569.84	{31,313}
LOAD ASSEMBLE & PACK					872	1,104.99	964	3087	1241.90	3,834	5,677	1248.15	7,086
BOMB BODY MK-84					899	2,082.19	1,872	3170	2189	6,939	5,848	2412.612	14,109
LUG SUSPENSION MK3					1,832	36.71	67	6340	37.33	237	11,922	37.59	448
PALLET INSPECTION MK79					441	57.83	26	1539	58.74	90	2,867	60.05	172
TNT TYPE I FLAKE (LB) (1)								2,327,270	1.86	4,329	4,218,295	1.934	8,158
ALUMINUM POWDER (LB) (1)							164	588825	1.067	628	1,067,276	1.256	1,340
PALLET MK79 (1)													
PRODUCTION SUPPORT							{98}			{273}			{76}
PRODUCTION ENGINEERING										76			27
QUALITY ASSURANCE							5			5.2			5.3
INTERIM TRANSPORTATION							32			25.2			
INDUSTRIAL STOCK SUPPORT							61			167			44.47
NAVY ENGINEERING SUPPORT							149			270			230
<b>TOTALS:</b>							3,340			16,600.4			31,619.77
		<b>P-1 ITEM NO</b> 4				<b>PAGE NO:</b> 44				Page 1 of 2			

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<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)</b>										<b>DATE:</b> FEBRUARY 2002				
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT					<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
<b>REMARKS:</b> (1) Where there is no cost reflected, the item was supplied as Government Furnished Material.														
		<b>P-1 ITEM NO</b> 4				<b>PAGE NO:</b> 45					Page 2 of 2			

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> 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										
FY00	1,373	3,348.14	AFMC/OO-ALC	SS/FP	MCALESTER ARMY AMMUNITION PLANT, OKLAHOMA CITY, OK	APR 00	SEP 02			
FY01	872	3,830.27	AFMC/OO-ALC	SS/FP	MCALESTER ARMY AMMUNITION PLANT, OKLAHOMA CITY, OK	APR 01	MAY 03			
FY02	3,087	5377.39	AFMC/OO-ALC	SS/FP	MCALESTER ARMY AMMUNITION PLANT, OKLAHOMA CITY, OK	APR 02	SEP 03	Y		
FY03	5,677	5569.84	AFMC/OO-ALC	SS/FP	MCALESTER ARMY AMMUNITION PLANT, OKLAHOMA CITY, OK	JAN 03	SEP 04	Y		
<b>REMARKS:</b>										
		<b>P-1 ITEM NO</b> 4				<b>PAGE NO:</b> 46		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> MK-82 500LB GP BOMB (E485)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$0	\$19,943	\$19,099	\$24,310	\$26,939	\$40,733
<p><b>Description:</b></p> <p>1. The MK-82 is a 500-pound class general purpose bomb. It has a relatively thin bomb case that is streamlined to reduce aerodynamic drag. The bomb produces blast and fragmentation effects and can be used as either an unguided high or low drag weapon. When used with a guidance kit, it can be employed as a precision guided bomb. The warhead is used on Paveway II weapon systems. The MK-82 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition.</p>								
<b>P-1 ITEM NO</b> 4		<b>PAGE NO:</b> 47					Page 1 of 1	

# UNCLASSIFIED

# UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: MK-82 500 LB GP BOMB (E485)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
MK-82	A										12,414	1606.50	{19,624}	
LOAD ASSEMBLE & PACK											12,414	291.71	3,621	
BOMB BODY MK-82											12,787	872.77	11,160	
LUG SUSPENSION MS3314											25,749	14.45	372	
TNT TYPE 1 FLAKE (LB)											1,936,584	1.93	3,738	
ALUMINUM POWDER (LB)											508,974	1.26	641	
PALLET MHU-149/E INSPECTION											2,111	43.6548	92	
PRODUCTION SUPPORT													{319}	
QUALITY ASSURANCE													61	
INDUSTRIAL STOCK SUPPORT													28	
ACCEPTANCE TESTING													229.60	
<b>TOTALS:</b>													19,942.6	
<b>REMARKS:</b>														
		<b>P-1 ITEM NO</b> 4					<b>PAGE NO:</b> 48					Page 1 of 1		

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> MK-82 500 LB GP BOMB (E485)						
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										
FY03	12,414	1606.50	AFMC/OO-ALC	SS/FP	MCALESTER ARMY AMMUNITION PLANT, OKLAHOMA CITY, OK	JAN 03	SEP 04	Y		
<b>REMARKS:</b>										
		<b>P-1 ITEM NO</b> 4				<b>PAGE NO:</b> 49		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$0	\$10,000	\$9,688	\$8,088	\$3,088	\$3,088
<p><b>Description:</b></p> <p>1. The BLU-109 warhead is a 2,000-pound hard target penetrator bomb filled with 553 pounds of tritonal. It has a relatively thin bomb case that is streamlined to reduce aerodynamic drag. The bomb produces blast and fragmentation effects and can be used as either an unguided high or low drag weapon. When used with a guidance kit, it can be employed as a precision guided bomb. The warhead is used on the Paveway II, Paveway III, GBU-15 and Joint Direct Attack Munition (JDAM) weapon systems. The BLU-109 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition.</p>								
<b>P-1 ITEM NO</b> 4		<b>PAGE NO:</b> 50			Page 1 of 1			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002		
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				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
BLU-109	A										700	14,285	{9,810}	
LOAD ASSEMBLE & PACK											700	2362.50	1,654	
BOMB BODY BLU-109											721	9968.10	7,187	
CNU 417 CONTAINER											361	758.48	274	
TNT TYPE I FLAKE (LB)											308,000	1.94	598	
ALUMINUM POWDER (LB)											77,000	1.256	97	
PRODUCTION SUPPORT													{40}	
QUALITY ASSURANCE													26	
INDUSTRIAL STOCK SUPPORT													13.76	
NAVY ENGINEERING SUPPORT													150	
<b>TOTALS:</b>													9,999.76	
<b>REMARKS:</b>														

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> 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										
FY03	700	14,285	AFMC/OO-ALC	SS/FP	MCALESTER ARMY AMMUNITION PLANT, OKLAHOMA CITY, OK	JAN 03	SEP 04	Y		
<b>REMARKS:</b>										
		<b>P-1 ITEM NO</b> 4				<b>PAGE NO:</b> 52		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> BLU-110B/B 1000 LB GP BOMB (EB28)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$4,050	\$5,448	\$5,300	\$5,300	\$0	\$0
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>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 is used on the Paveway II, Paveway III, GBU-15 and Joint Direct Attack Munition (JDAM) weapon systems. The BLU-110B/B can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects.</li>   <li>2. This item was procured in FY02 as a MK-83 general purpose bomb and appears in the President's Budget as a general purpose bomb item less than \$5 million.</li>   <li>3. This item is procured through the Single Manager for Conventional Ammunition.</li> </ol>								
<b>P-1 ITEM NO</b> 4		<b>PAGE NO:</b> 53					Page 1 of 1	

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: BLU-110B/B 1000 LB GP BOMB (EB28)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
BLU-110B/B	A							557	7271.09	{3,815}	800	6810.00	{5,229}	
LOAD ASSEMBLE & PACK								574	1490.81	856	800	1601.69	1,281	
BOMB BODY BLU-110B/B								580	1542.70	895	824	1602.8	1,321	
LUG SUSPENSION MS3314								1,170	14.93	17	1680	14.45	24	
CXM-7 (LB)								301,894	6.54	1,974	433,600	5.81	2,519	
CABLE ASSEMBLY M73								574	52.94	30	824	27.96	23	
PALLET MHU-187								190	224.05	43	272	225.18	61	
PRODUCTION SUPPORT										{74}			{25}	
PRODUCTION ENGINEERING										30			13	
QUALITY ASSURANCE										9			5	
INTERIM TRANSPORTATION										4				
INDUSTRIAL STOCK SUPPORT										31			7	
ACCEPTANCE TESTING										40			46	
NAVY ENGINEERING SUPPORT										121			148	
<b>TOTALS:</b>										4,050			5,448	
<b>REMARKS:</b>														
		<b>P-1 ITEM NO</b> 4						<b>PAGE NO:</b> 54						Page 1 of 1

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: BLU-110B/B 1000 LB GP BOMB (EB28)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
BLU-110B/B										
FY02	557	7271.09	AFMC/OO-ALC	SS/FP	MCALESTER ARMY AMMUNITION PLANT, OKLAHOMA CITY, OK	APR 02	SEP 03	Y		
FY03	800	6810.00	AFMC/OO-ALC	SS/FP	MCALESTER ARMY AMMUNITION PLANT, OKLAHOMA CITY, OK	JAN 03	SEP 04	Y		
<b>REMARKS:</b>										
	<b>P-1 ITEM NO</b> 4			<b>PAGE NO:</b> 55				Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FIN ASSEMBLY MXU-650 PAVEWAY (F763)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$10,876	\$9,532	\$21,665	\$26,595	\$14,150	\$10,105
<p><b>Description:</b></p> <p>1. The MXU-650 Fin Assembly consists of a tail fin unit and forward canards used on the GBU-12 (MK-82 Warhead, 500lb class) PAVEWAY II Laser Guided Bomb (LGB). The PAVEWAY II system has folding wings which open upon release for increased aircraft payload and maneuverability. These weapons are primarily used for precision bombing against non-hardened targets.</p> <p>2. This item is procured through Ogden Air Logistics Center.</p>								
<b>P-1 ITEM NO</b> 4		<b>PAGE NO:</b> 56					Page 1 of 1	

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FIN ASSEMBLY MXU-650 PAVEWAY (F763)					
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MXU-650/B	A					2,369	\$10,876	2,035	\$9,532
<b>Totals:</b>							\$10,876		\$9,532
<b>Remarks:</b>									
		<b>P-1 ITEM NO</b> 4				<b>PAGE NO:</b> 57		Page 1 of 1	

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT					<b>P-1 NOMENCLATURE:</b> FIN ASSEMBLY MXU-650 PAVEWAY (F763)					
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MXU-650/B										
FY02	2,369	4,591	AFMC/OO-ALC	SS/FP	RAYTHEON, TUCSON AZ	JUL 02	JUL 03	Y		
FY03	2,035	4,684	AFMC/OO-ALC	SS/FP	RAYTHEON, TUCSON AZ	JAN 03	OCT 03	Y		
<b>REMARKS:</b>										
			<b>P-1 ITEM NO</b> 4				<b>PAGE NO:</b> 58			
							Page 1 of 1			

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (MAU-169H/B PAVEWAY II GCU (EA65))				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$41,662	\$21,780	\$48,310	\$59,580	\$31,140	\$21,900
<p><b>Description:</b></p> <p>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 increased aircraft payload and maneuverability. These weapons are primarily used for precision bombing against non-hardened targets.</p> <p>2. This item is procured through Ogden Air Logistics Center.</p>								
<b>P-1 ITEM NO</b> 4		<b>PAGE NO:</b> 59					Page 1 of 1	

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<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)</b>												<b>DATE: FEBRUARY 2002</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT						<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (MAU-169H/B PAVEWAY II GCU (EA65))								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
MAU-169H/B	A				0	0		3,953	10,488.74	41,462	2,035	10,702.50	21,780	
AF ENGINEERING SUPPORT										200				
<b>TOTALS:</b>								3,953		41,662	2,035		21,780	
<b>REMARKS:</b>														
		<b>P-1 ITEM NO</b> 4				<b>PAGE NO:</b> 60						Page 1 of 1		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MAU-169H/B PAVEWAY II GCU (EA65))						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MAU-169H/B										
FY02	3,953	10,539	AFMC/OO-ALC	SS/FP	RAYTHEON, TUCSON AZ	JUL 02	APR 02	Y		
FY03	2,035	10,702	AFMC/OO-ALC	SS/FP	RAYTHEON, TUCSON AZ	JAN 03	NOV 03	Y		
REMARKS:										
	P-1 ITEM NO 4			PAGE NO: 61				Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$929	\$19,299	\$10,266	\$20,570	\$18,937	\$14,628	\$14,671
<p><b>Description:</b></p> <p>1. All items have a procurement value of less than \$5,000,000 and are code A. Items requested in FY03 are identified on the following P-40A-IL and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
<b>P-1 ITEM NO</b> 4		<b>PAGE NO:</b> 62					Page 1 of 1	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2002	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)			
PROCUREMENT ITEMS	NSN			FY2003	
		QTY.	COST	QTY.	COST
MK-84 FIN ASSEMBLY (F607)				4,426	\$1,976
CBU-87(T-3)/B BOMB DISPENSER INERT (E852)				244	\$3,750
BLU-113A(D-1)/B INERT BOMB (E989)				117	\$750
FZU-39(D-2) INERT FZU (CY13)				297	\$1,000
BOMB, BLU-109(D-1)/B (F034)				187	\$2,790
<b>TOTALS:</b>					\$10,266
	P-1 ITEM NO 4		PAGE NO: 63		Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> SENSOR FUZED WEAPON				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>		300	263	298	296	0	0	0
<b>COST</b> (in Thousands)		\$111,951	\$108,798	\$105,985	\$101,152	\$0	\$0	\$0
<p><b>Description:</b></p> <p>1. The Sensor Fuzed Weapon (SFW) is a cluster munition designed for use against land combat vehicles. The SFW (CBU-97) consists of a Tactical Munitions Dispenser (TMD) containing ten BLU-108 submunitions. Each submunition contains four warheads, a parachute assembly, altimeter, and rocket motor. The TMD opens after release from the delivery aircraft dispensing the submunitions. The submunitions are parachute retarded and oriented nose downward. After the parachute ejects, the rocket motor fires to launch the warheads. The warheads release in a horizontal trajectory and target activate through a small infrared sensor contained in the warhead, firing a self-forging projectile into the target. This munition provides multiple kills per pass capability.</p> <p>2. The Defense Acquisition Board approved low rate initial production in March 1992 and directed four years of low rate production. Full Rate Production (FRP) was approved at milestone III via an acquisition decision memorandum dated 14 June 1996. The first FRP contract was awarded 17 June 1996; FRP 2 was awarded in February 1997; FRP 3 was awarded in February 1998; FRP 4 was awarded in February 1999; FRP 5 was awarded in Feb 2000; and FRP 6 was awarded in March 2001.</p> <p>4. The approved revised acquisition strategy procures baseline SFW units through FY 2000 and SFW pre-planned product improvement (P3I) units from FY01 to completion.</p>								
<b>P-1 ITEM NO</b> 6		<b>PAGE NO:</b> 64			Page 1 of 1			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: SENSOR FUZED WEAPON								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
HARDWARE							{108,843}			{105,493}			{102,848}	
CBU-97/B	A				300	352,487	105,746	263	384.639	101,160	298	322.067	97,958	
ENGINEERING CHANGE ORDERS							1,797			2,589			2,862	
GOVERNMENT FURNISHED EQUIPMENT							1,300			1,744			2,028	
PRODUCTION AND SUPPORT COST							{3,108}			{3,305}			{3,137}	
TEST SUPPORT (LOT ACCEPTANCE TEST/QUAL)							785			801			817	
PROGRAM MANAGEMENT ADMINISTRATION							2,285			2,468			2,283	
DATA							38			36			37	
<b>TOTALS:</b>							111,951			108,798			105,985	
<b>REMARKS:</b>														
		<b>P-1 ITEM NO</b> 6				<b>PAGE NO:</b> 65						Page 1 of 1		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2002			
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										
FY00	214	397,626	AFMC/AAC	SS/FPIF (1)	TEXTRON SYS/WILMINGTON, MA	MAR 00	OCT 01			
FY01	300	373,170	AFMC/AAC	SS/FPIF (1)	TEXTRON SYS/WILMINGTON, MA	MAR 01	JUL 02			
FY02	263	413,681	AFMC/AAC	SS/FPIF (1)	TEXTRON SYS/WILMINGTON, MA	MAR 02	JUL 03	Y		
FY03	298	355,654	AFMC/AAC	SS/FPIF (1)	TEXTRON SYS/WILMINGTON, MA	MAR 03	JUL 04	Y		
<b>REMARKS:</b> (1) The LRIP/FRP contracts are FPIF which will encourage lower cost and aggressive cost monitoring.										
		<b>P-1 ITEM NO</b> 6				<b>PAGE NO:</b> 66				Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>										<b>DATE</b> FEBRUARY 2002	
<b>APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT</b>							<b>P-1 ITEM NOMENCLATURE JOINT DIRECT ATTACK MUNITION</b>				
	<b>PRIOR YEARS</b>	<b>FY2000</b>	<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>	<b>TO COMP</b>	<b>TOTAL PROG</b>
<b>QUANTITY</b>	6,543	8,725	8,904	8,484	17,917	10,871	12,681	12,084	6,470	0	92,679
<b>GROSS COST (\$M)</b>	\$141.747	\$189.222	\$203,470	\$185.972	\$378.863	\$235.632	\$292.803	\$288.040	\$166.649	\$0	\$2,082.398
<b>INITIAL SPARES (\$M)</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL (\$M)</b>	\$141.747	\$189.222	\$203,470	\$185.972	\$378.863	\$235.632	\$292.803	\$288.040	\$166.649	\$0	\$2,082.398
<b>FLYAWAY UNIT COST (\$M)</b>	N/A	\$0.021	\$0.022	\$0.020	\$0.020	\$0.020	\$0.022	\$0.023	\$0.024	\$0	\$0.023
<b>WPN SYS PROC UNIT COST (\$M)</b>	N/A	\$0.022	\$0.023	\$0.022	\$0.021	\$0.022	\$0.023	\$0.024	\$0.026	\$0	\$0.022
<b>REMARKS</b>											
<p>1. Operation Desert Storm confirmed the need for a more accurate weapon delivery capability in adverse weather conditions and from medium/high altitudes. Operation Allied Force re-confirmed the requirement to press the air attack in adverse weather. JDAMs on the B-2 were the only precision weapon system capable of sustaining adverse weather operations. Failure to satisfy this requirement will allow the enemy to continue to take advantage of the sanctuary of weather and/or prevent U.S. air power from prosecuting a conflict on its terms. The JDAM program is a joint Air Force and Navy program to correct these shortfalls, with the Air Force as executive service. JDAM will upgrade the existing inventory of general-purpose bombs (MK-84/BLU-109/B, MK-83 and MK-82) by integrating the bombs with a guidance kit consisting of a global positioning system aided inertial navigation system (GPS/INS). JDAM will provide an accurate, adverse weather capability. JDAM will initially be integrated with the B-52, B-2, B-1B and F/A-18C/D aircraft. Follow-on integration will be on the F-16, F-15E, F-22, and other aircraft. The total JDAM buy using production funds is 135,971 units (92,679 Air Force and 43,292 Navy). The total additional JDAM kits purchased with DERF (Defense Emergency Relief Fund) is 8,066 units (5,006 Air Force and 3,060 Navy), for a Total JDAM joint program total of 144,037 (97,685 Air Force and 46,352 Navy). There is no requirement for initial spares because the program has a 20-year warranty.</p> <p>2. In FY02, JDAM received \$250.5M as part of the Defense Emergency Relief Fund (DERF). Funding was used to BUY 5,006 JDAM AF kits in support of OPERATION ENDURING FREEDOM. This funding is not reflected in the Program Total.</p> <p>3. JDAM anticipates receiving the following funding from the Cost of War Transfer Account. These funds are not included in the baseline. FY03: \$106M (5,212 kits); FY04: \$205M (10,004 kits); FY05: \$238M (10,796 kits); FY06 \$238M (10,483 kits); FY07: \$220M (9,315 kits)</p>											
						<b>P-1 ITEM NO. 7</b>	<b>PAGE NO. 67</b>				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)						DATE: FEBRUARY 2002							
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
FLYAWAY COST													
JDAM HARDWARE-RECURRING							{191,992}			{171,448}			{360,859}
AIRFRAME	A				8,904	21327	189,896	8484	19726	167,355	17,917	19,554	350,349
ENGINEERING CHANGE ORDERS							2,096			4,093			10,510
NONRECURRING													
CONTRACTOR INCENTIVE							2,162			1,638			3,504
SUPPORT COSTS							{9,316}			{12,739}			{14,200}
TEST EQUIPMENT							1,875			1,999			1,273
AIRBORNE TEST EQUIPMENT							1,896			5,032			5,218
DATA							0			10			7
PROGRAM MANAGEMENT/ADMINISTRATION							2,484			3,197			3,684
TRAINING							599			0			694
PRODUCTION SUSTAINING ENGINEERING							2,310			2,447			3,268
ALTERNATE DISPUTE RESOLUTION							152			54			56
SEEK EAGLE (PE 27590F)							0			147			300
<b>TOTALS:</b>							203,470			185,972			378,863
		<b>P-1 ITEM NO</b> 7					<b>PAGE NO:</b> 68			Page 1 of 2			

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AF 1537

AF FORM 1537 (THEN YEAR DOLLARS)												
WEAPON SYSTEM BUDGET ESTIMATE (DOLLARS IN MILLIONS)			WEAPON SYSTEM: JDAM			CONTRACTOR: BOEING			AS OF DATE: FEBRUARY 2002		APPN: 3011	
CATEGORY TY\$ FY03 PB PE: 27583F BPAC: 353620			EQUIP:			REPORT CONTROL SYMBOL:			PREPARED BY: AAC/YU			
DESCRIPTION	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	TOTAL
QUANTITY OF AURS	937	1,828	3,778	8,725	8,904	8,484	17,917	10,871	12,681	12,084	6,470	92,679
												0.000
RECURRING HARDWARE	16.54	33.48	72.41	180.13	189.90	167.35	350.35	214.19	268.80	263.78	146.93	1903.85
ECO	0.04	0.00	0.00	0.00	2.10	4.10	10.51	6.43	8.06	7.91	4.41	43.55
CONTRACTOR INCENTIVE	0.81	0.88	1.56	1.41	2.16	1.64	3.50	2.14	2.69	2.64	1.47	20.90
FLYAWAY COST	17.39	34.36	73.97	181.54	194.15	173.09	364.36	222.76	279.55	274.33	152.80	1968.30
												0.00
TEST EQUIPMENT (CMBRE)	0.00	0.97	0.90	0.84	1.88	2.00	1.27	0.00	0.00	0.00	0.00	7.85
AIRBORNE TEST EQUIPMENT	2.44	2.16	0.08	2.24	1.90	5.03	5.22	5.47	5.71	5.96	6.22	42.41
DATA	0.00	0.00	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.11
PROGRAM MANAGEMENT/ADMIN REQ	0.22	0.35	1.68	1.75	2.48	3.20	3.68	3.50	3.70	4.01	4.13	28.70
SYSTEMS TEST & EVALUATION	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
TRAINING	0.06	0.18	0.42	0.24	0.60	0.00	0.69	0.29	0.00	0.00	0.00	2.48
PRODUCTION SUSTAINING ENGINEERING	2.57	0.16	0.35	2.41	2.31	2.45	3.27	3.40	3.78	3.67	3.32	27.68
JDAM TEST UNITS	0.00	0.28	0.00	0.00	0.00	0.15	0.30	0.14	0.00	0.00	0.10	0.97
ALTERNATE DISPUTE RESOLUTION	0.05	0.05	0.10	0.21	0.15	0.05	0.06	0.06	0.06	0.06	0.07	0.92
DELIVERY ACCELERATION	0.07	0.68	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.75
WEAPON SYSTEMS COST	23.01	39.19	79.55	189.22	203.47	185.97	378.86	235.63	292.80	288.04	166.65	2082.40
INITIAL SPARES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PROCUREMENT COST	23.01	39.19	79.55	189.22	203.47	185.97	378.86	235.63	292.80	288.04	166.65	2082.40
TOTAL PROGRAM (TY\$)	23.01	39.19	79.55	189.22	203.47	185.97	378.86	235.63	292.80	288.04	166.65	2082.40
APPROVED PROGRAM (TY\$)	23.01	39.19	79.55	189.22	203.47	185.97	378.86	235.63	292.80	288.04	166.65	2082.40
DELTA (TY\$)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
P-1 ITEM NO: 7			PAGE NO: 69			PAGE 1 OF 1						

# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> 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	
AIRFRAME										
FY00 (1)	1,478	22,852	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	MAR 01	FEB 02			
FY01	8,904	22,852	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	MAR 01	APR 02			
FY02 (2)	8,484	21,920	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	DEC 01	JAN 03			
FY03	17,917	21,145	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 03	MAR 04			
<b>REMARKS:</b> (1) FY 01 (Lot 5) contract is a split funding procurement consisting of FY00 funding for 1478 kits and FY01 8904 kits (2) FY 02 (Lot 6) contract awarded a split funding procurement consisting of FY02 continuing resolution authority for 8,484 kits and DERF for 5,006 kits. NOTE: Specifications have been waived due to JDAM'S status as an Acquisition Reform pilot program.										
		<b>P-1 ITEM NO</b> 7				<b>PAGE NO:</b> 70		Page 1 of 1		

# UNCLASSIFIED

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**PRESIDENT'S BUDGET PRODUCTION SCHEDULE (EXHIBIT P- 21)** **DATE: FEBRUARY 2002**

**APPROP CODE/BA:**  
PAAF/MUNITIONS & RELATED EQUIPMENT

**P-1 NOMENCLATURE:**  
JOINT DIRECT ATTACK MUNITION

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV.	PROC. QTY.	ACCEP. PRIOR TO 1 OCT.	BAL DUE AS OF 1 OCT.	CALENDAR 2002												CALENDAR 2003												Later
					FY2002												FY2003												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AIRFRAME																													
FY00 (1) BOEING	AF	1478	0	1478						202	919	357																	
FY01 BOEING	AF	8904	0	8904								593	1115	1500	1500	1200	896	1217	883										
FY02 BOEING	AF	8484	0	8484			C													614	1500	1500	1500	1500	370	923	-923		
FY03 BOEING	AF	17917	0	17917																C							17917		
FY04 BOEING	AF	10871	0	10871																							10871		
FY05 BOEING	AF	12681	0	12681																							12681		
FY06 BOEING	AF	12084	0	12084																							12084		
FY07 BOEING	AF	6470		6470																							6470		
<b>TOTALS</b>		<b>78889</b>	<b>0</b>	<b>78889</b>						<b>202</b>	<b>919</b>	<b>950</b>	<b>1115</b>	<b>1500</b>	<b>1500</b>	<b>1200</b>	<b>896</b>	<b>1217</b>	<b>883</b>		<b>614</b>	<b>1500</b>	<b>1500</b>	<b>1500</b>	<b>1500</b>	<b>370</b>	<b>923</b>	<b>59100</b>	

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV.	PROC. QTY.	ACCEP. PRIOR TO 1 OCT.	BAL DUE AS OF 1 OCT.	CALENDAR 2004												CALENDAR 2005												Later
					FY2004												FY2005												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AIRFRAME			0	0																									
FY00 (1) BOEING	AF	1478	1478	0																									
FY01 BOEING	AF	8904	8904	0																									
FY02 BOEING	AF	8484	9407	-923	856	825	784	856	568																		-4812		
FY03 BOEING	AF	17917	0	17917						753	0	0	35	2326	2326	2326	2326	2290	2135	1800	1600								
FY04 BOEING	AF	10871	0	10871						C											1552	1552	896	0	0	0	1444	5427	
FY05 BOEING	AF	12681	0	12681																	C						12681		
FY06 BOEING	AF	12084	0	12084																							12084		
FY07 BOEING	AF	6470	0	6470																							6470		
<b>TOTALS</b>		<b>78889</b>	<b>19789</b>	<b>59100</b>	<b>856</b>	<b>825</b>	<b>784</b>	<b>856</b>	<b>568</b>	<b>753</b>			<b>35</b>	<b>2326</b>	<b>2326</b>	<b>2326</b>	<b>2326</b>	<b>2290</b>	<b>2135</b>	<b>1800</b>	<b>1600</b>	<b>1552</b>	<b>1552</b>	<b>896</b>		<b>1444</b>	<b>31850</b>		

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME			
	MIN SUST	1-8-5	MAX	ADMIN LEAD TIME		MANUFACT.	TOTAL
BOEING, ST CHARLES, MO	283	1083	3000	PRIOR TO 1 OCT		AFTER 1 OCT	1 OCT
				INITIAL		UNK	9
				REORDER		UNK	9

**REMARKS:**  
 (1) 1478 units were procured with FY00 funding and will begin delivering in FEB 02.  
 NOTE: The above Production Schedule reflects AF deliveries only and does not include additional production quantities programmed for the US Navy.

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**PRESIDENT'S BUDGET PRODUCTION SCHEDULE (EXHIBIT P- 21)** **DATE: FEBRUARY 2002**

**APPROP CODE/BA:**  
PAAF/MUNITIONS & RELATED EQUIPMENT

**P-1 NOMENCLATURE:**  
JOINT DIRECT ATTACK MUNITION

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV.	PROC. QTY.	ACCEP. PRIOR TO 1 OCT.	BAL DUE AS OF 1 OCT.	CALENDAR 2006												CALENDAR 2007												Later
					FY2006												FY2007												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AIRFRAME			0	0																									
FY00 (1) BOEING	AF	1478	1478	0																									
FY01 BOEING	AF	8904	8904	0																									
FY02 BOEING	AF	8484	13296	-4812																						-4812			
FY03 BOEING	AF	17917	17917	0																									
FY04 BOEING	AF	10871	5444	5427	1552	1500	240	583	1552																				
FY05 BOEING	AF	12681	0	12681						1565	1565	1404	0	1296	1564	1564	1564	1525	634										
FY06 BOEING	AF	12084	0	12084					C												1566	1620	679	0	245	7974			
FY07 BOEING	AF	6470	0	6470																						6470			
TOTALS		78889	47039	31850	1552	1500	240	583	1552	1565	1565	1404		1296	1564	1564	1564	1525	634				1566	1620	679	245	9632		

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV.	PROC. QTY.	ACCEP. PRIOR TO 1 OCT.	BAL DUE AS OF 1 OCT.	CALENDAR 2008												CALENDAR 2009												Later
					FY2008												FY2009												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AIRFRAME			0	0																									
FY00 (1) BOEING	AF	1478	1478	0																									
FY01 BOEING	AF	8904	8904	0																									
FY02 BOEING	AF	8484	13296	-4812																						-4812			
FY03 BOEING	AF	17917	17917	0																									
FY04 BOEING	AF	10871	10871	0																									
FY05 BOEING	AF	12681	12681	0																									
FY06 BOEING	AF	12084	4110	7974	1620	1585	1529	1620	1620																				
FY07 BOEING	AF	6470	0	6470											990	1090	1090	1026	1000	1090	184								
TOTALS		78889	69257	9632	1620	1585	1529	1620	1620						990	1090	1090	1026	1000	1090	184					-4812			

MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME			
	MIN SUST	1-8-5	MAX	ADMIN LEAD TIME		MANUFACT.	TOTAL
BOEING, ST CHARLES, MO	283	1083	3000	PRIOR TO 1 OCT		AFTER 1 OCT	1 OCT
				INITIAL		UNK	9
				REORDER		UNK	9

**REMARKS:**  
 (1) 1478 units were procured with FY00 funding and will begin delivering in FEB 02.  
 NOTE: The above Production Schedule reflects AF deliveries only and does not include additional production quantities programmed for the US Navy.

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> WIND CORRECTED MUNITIONS DISPENSER				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>		5,918	6,917	4,959	4,966	4,459	0	0
<b>COST</b> (in Thousands)		\$100,318	\$111,373	\$71,165	\$70,856	\$63,678	\$0	\$96
<p><b>Description:</b></p> <p>1. The Wind Corrected Munitions Dispenser (WCMD) guidance kit will provide inertial navigation to correct for launch transients and ballistic errors caused by wind when these munitions are released from medium to high altitudes. The WCMD kit fitted weapons will improve effectiveness of both bombers and fighters and significantly contribute to Air Force war fighting capabilities in two nearly simultaneous Major Theater Wars (MTW). The pilot production Engineering and Manufacturing Development (EMD) contract awarded to Lockheed-Martin includes options for two Low Rate Initial Production (LRIP) and a production price commitment agreement for full rate production. The first LRIP option was exercised in August 1998. The second LRIP option was exercised in July 1999 with the third option exercised in June 2000. The first Full Rate Production contract was awarded in March 2001.</p> <p>2. Seek Eagle funds are included in FY98 (\$4.012), FY04 (\$.134), and FY07 (\$.096) for a total buy of 282 units. The ongoing RDT&amp;E effort is funded under PE 64600F, which develops an inertial guidance tail kit for the CBU-87, CBU-89, and the CBU-97 dispenser.</p>								
	<b>P-1 ITEM NO</b> 8		<b>PAGE NO:</b> 73		Page 1 of 1			

# UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: WIND CORRECTED MUNITIONS DISPENSER								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
HARDWARE					5,918	1,695.13	{83,434}	6,917	1,610.13	{99,512}	4,959	14,351	{60,729}	
WCMD KITS	A				5,918	14,068	83,257	6,917	14,340	99,190	4,959	11,959	59,305	
ECO							177			322			1,424	
PRODUCTION SUPPORT							{16,494}			{11,861}			{10,436}	
DATA							3			6			5	
SYSTEM TEST							2,818			1,369			2,084	
PROGRAM MANAGEMENT ADMINISTRATION							2,246			2,807			2,505	
OTHER COSTS (1)							11,427			7,679			5,842	
NONRECURRING HARDWARE							390						0	
<b>TOTALS:</b>							100,318			111,373			71,165	
<b>REMARKS:</b> (1) Common munitions bit reprogrammable equipment (CMBRE), load trainers, Air Force Mission Support System (AFMSS) field installation.														
	<b>P-1 ITEM NO</b> 8						<b>PAGE NO:</b> 74						Page 1 of 1	

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> WIND CORRECTED MUNITIONS DISPENSER						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
WCMD KITS										
FY00	2,990	13,960	AFMC/AAC	OPT/FFP	LOCKHEED-MARTIN/ORLANDO, FL	JUN 00	JAN 01			
FY01	5,918	16,951	AFMC/AAC	OPT/FFP	LOCKHEED-MARTIN/ORLANDO, FL	MAR 01	APR 02			
FY02	6,917	16,101	AFMC/AAC	OPT/FFP	LOCKHEED-MARTIN/ORLANDO, FL	FEB 02	JAN 03	Y		
FY03	4,959	14,351	AFMC/AAC	OPT/FFP	LOCKHEED-MARTIN/ORLANDO, FL	JAN 03	DEC 03	Y		
<p><b>REMARKS:</b></p> <p>Unit costs refelect cost of hardware only</p> <p>The government and Lockheed-Martin have a price commitment agreement as long as the government stays within the quantity band and maintains a total buy of 40,000 units.</p>										
		<b>P-1 ITEM NO</b> 8				<b>PAGE NO:</b> 75		Page 1 of 1		

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CAD/PAD				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$18,750	\$18,080	\$19,816	\$13,962	\$14,081	\$14,286	\$14,543
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. FY01 funding for Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD) is included in P-1 Line 2, Cartridges.</li>   <li>2. CAD/PAD supports aircraft fire suppression, emergency release and aircrew escape systems. CAD/PAD items include gas generators, initiators, shield mild detonating cord (SMDC), rocket motors, and rocket catapults. These explosive devices have finite shelf lives and must be replaced during scheduled maintenance. Replacement assets must be available to meet change out requirements to prelude impacting aircraft operational availability and unit mission readiness. Life support devices such as the sea water activated release system and parachute release cartridges are essential to aircrew survival after ejection from aircraft.</li>   <li>3. Items requested in FY03 are identified on the following P-40a and are representative of items to be procured. Items procured during execution may change based on the most critical munitions components needed to support current Air Force mission requirements.</li> </ol>								
	<b>P-1 ITEM NO</b> 9		<b>PAGE NO:</b> 76			Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CAD/PAD						
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
BOMBER AIRCRAFT	A				\$5,581		\$6,742		\$4,783	
CARGO AIRCRAFT	A				\$1,921		\$2,992		\$1,622	
FIGHTER AIRCRAFT	A				\$3,141		\$3,557		\$3,395	
TRAINING AIRCRAFT	A						\$847		\$1,400	
COMMON EGRESS ITEMS	A				\$4,315		\$1,342		\$4,225	
COMMON LIFE SUPPORT ITEMS	A						\$2,200		\$3,991	
COMMON MISC ITEMS	A				\$3,792		\$400		\$400	
<b>Totals:</b>					<b>\$18,750</b>		<b>\$18,080</b>		<b>\$19,816</b>	
<b>Remarks:</b>										
			<b>P-1 ITEM NO</b> 9				<b>PAGE NO:</b> 77			
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> EXPLOSIVES ORDNANCE DISPOSAL (EOD)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$3,498	\$1,421	\$2,727	\$3,175	\$2,960	\$3,011	\$3,058
<p><b>Description:</b></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. FY 2001 funding for EOD items is included in P-1 Line 13, Items Less Than \$5M.</p> <p>3. Items requested in FY2003 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 10			<b>PAGE NO:</b> 78		Page 1 of 1		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2002		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)					
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CHARGE, DEMOLITION C4-M112 (M023)	A			154,362	\$2,395	33,418	\$500	0	\$0
DYNAMITE, NITROGLYCERIN 60% (M587)	A			0	\$0	8,394	\$13	0	\$0
DYNAMITE, AMONIA NITRATE 60% (MN32)	A			0	\$0	4,654	\$5	727	\$2
EXPLOSIVE WATER GEL (MY77)	A			730	\$1	2,183	\$3	1,416	\$2
ANDROS ROBOT	A			5	\$620	0	\$0	0	\$0
EOD TRAINING AIDS	A			0	\$0	0	\$0	0	\$0
MINI-MINE DETECTOR	A			0	\$0	0	\$0	182	\$920
MK1 WRENCH	A			11	\$78	0	\$0	0	\$0
DETA SHEET (M980)	A			62	\$25	30	\$12	0	\$0
DISRUPTOR, LIGHT WEIGHT (YY32)	A			2,115	\$175	2,272	\$188	2,502	\$202
DISRUPTOR, MAIN CHARGE (YY33)	A			2,519	\$65	2,713	\$70	2,662	\$70
SHOCK TUBE (YY34)	A			662	\$35	473	\$25	386	\$50
SQUIB (YY35)	A			5,305	\$20	1,326	\$5	3,341	\$13
RELOADER (ZY10)	A			227	\$4	0	\$0	54	\$1
BLAST MACHINE	A			200	\$80	0	\$0	0	\$0
DET CORD, 200 GRAIN (MU41)	A			0	\$0	23,076	\$6	46,153	\$12
DEARMER, SMALL CALIBER	A			0	\$0	113	\$158	0	\$0
CHARGE, DEMO SHAPED MK88 (M997)	A			0	\$0	612	\$35	1,110	\$68
THERMITE SAFING SYSTEM	A			0	\$0	15	\$25	0	\$0
XRAY MACHINE, SMALL	A			0	\$0	46	\$160	100	\$350
NITRO, DYNAMITE (MN30)	A			0	\$0	0	\$0	500	\$2
MK276 POPPER (AA64)	A			0	\$0	0	\$0	4,225	\$3

**P-1 ITEM NO**  
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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> EXPLOSIVES ORDNANCE DISPOSAL (EOD)					
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK275 AVON (AA63)	A			0	\$0	0	\$0	1,670	\$7
MK274 ULTRA (AA62)	A			0	\$0	0	\$0	1,825	\$7
EXPLOSIVE CUTTING TAPE (MM53)	A			0	\$0	0	\$0	7,460	\$328
MK32 X-RAY KIT	A			0	\$0	0	\$0	0	\$0
STANDOFF DISRUPTOR (PAN)	A			0	\$0	0	\$0	0	\$0
STANDOFF DEARMER	A			0	\$0	0	\$0	0	\$0
MK2 TOOL KIT	A			0	\$0	0	\$0	0	\$0
FERROUS LOCATOR MK26	A			0	\$0	10	\$216	25	\$690
<b>Totals:</b>					\$3,498		\$1,421		\$2,727
<b>Remarks:</b>									
		<b>P-1 ITEM NO</b> 10				<b>PAGE NO:</b> 80		Page 2 of 2	

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> SPARES AND REPAIR PARTS				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$3,314	\$2,691	\$3,008	\$2,996	\$3,978	\$4,588	\$4,494
<p><b>Description:</b></p> <p>1. This P-1 line funds spares and repair parts for Procurement of Ammunition, Air Force (PAAF) items. Initial spares consist of reparable components, assemblies and subassemblies, as well as consumable items required in support of newly fielded end items. Requirements are based on historical failure/demand data on similar items. Replenishment spares consist of reparable components, assemblies and subassemblies required for follow-on sustainment of end items. Munitions replenishment spare levels are based on item specific failure/demand driven computations.</p> <p>2. Items requested in FY03 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 11			<b>PAGE NO:</b> 81		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> SPARES AND REPAIR PARTS					
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
INITIAL SPARES					\${689}		\${154}		\${155}
MISC. LOW COST INITIAL SPARES (P-1 LINE # N/A)	A				\$139		\$144		\$144
ITEMS LESS THAN \$5M (P-1 LINE # 13)	A				\$550		\$10		\$11
REPLENISHMENT SPARES					\${2,625}		\${2,537}		\${2,853}
GP BOMBS (P-1 LINE # 4)	A				\$2,191		\$2,137		\$2,470
ITEMS LESS THAN \$5M (P-1 LINE # 13)	A				\$434		\$400		\$383
<b>Totals:</b>					<b>\$3,314</b>		<b>\$2,691</b>		<b>\$3,008</b>
<b>Remarks:</b>									
		<b>P-1 ITEM NO</b> 11				<b>PAGE NO:</b> 82		Page 1 of 1	

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> MODIFICATIONS LESS THAN \$5 MILLION				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$195	\$211	\$202	\$193	\$213	\$918	\$934
<p><b>Description:</b></p> <p>1. Permanent modifications consist of configuration changes to in-service systems and equipment which correct material/other deficiencies or add/delete capability. Safety modifications correct deficiencies which may create personnel, system or equipment hazards. This budget line encompasses both new and on-going modification efforts for guided bomb and munitions systems.</p> <p>2. The FY03 funding request reflects estimated costs based on historical funding requirements and projected future requirements.</p>								
<b>P-1 ITEM NO</b> 12		<b>PAGE NO:</b> 83					Page 1 of 1	

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ITEMS LESS THAN \$5,000,000, OTHER				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$4,745	\$1,633	\$2,013	\$2,410	\$916	\$336	\$351
<p><b>Description:</b></p> <p>1. This category includes various munitions items to support Air Base Ground Defense, Air Rescue, and aircrew/ground training. All items have an annual procurement value of less than \$5 million and are code A.</p> <p>2. Items requested in FY 2003 are identified on the following P-40A-IL and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support Air Force mission requirements.</p>								
<b>P-1 ITEM NO</b> 13		<b>PAGE NO:</b> 84					Page 1 of 1	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2002	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000, OTHER			
PROCUREMENT ITEMS	NSN			FY2003	
		QTY.	COST	QTY.	COST
GRENADE, HAND, PRAC WHITE SMOKE (G982)				14,107	\$384
GRENADE, HAND, SMOKE YELLOW (G945)				12,054	\$350
GRENADE, HAND, SMOKE GREEN (G940)				11,920	\$342
GRENADE, HAND, SMOKE RED (G950)				13,709	\$398
PEPPER SPRAY (KM01)				1,680	\$33
PEPPER SPRAY POCKET (KM02)				360	\$7
MUN ASSY CONVEYOR (EAF)				1	\$99
SIMULATOR, GROUND BURST (L594)				86,946	\$400
<b>TOTALS:</b>					\$2,013
	P-1 ITEM NO 13		PAGE NO: 85		Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (OVERVIEW)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$36,628	\$108,321	\$131,967	\$139,708	\$144,520	\$143,441	\$141,226
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>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.</li>   <li>2. Items requested in FY03 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force Mission requirements.</li> </ol>								
	<b>P-1 ITEM NO</b> 14		<b>PAGE NO:</b> 86			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT					<b>P-1 NOMENCLATURE:</b> FLARES (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
MJU-7B IR FLARE (L463)	A			607,404	\$14,306	1,414,438	\$30,806	1,428,347	\$32,238	
LUU-1 FLARE (L660)	A					6,317	\$6,697			
M206 FLARE (L410)	A					1,673,696	\$22,611	1,650,773	\$22,639	
LUU-19 FLARE (LA05)	A			3,968	\$5,597	16,552	\$17,383	14,282	\$20,918	
MJU-10 FLARE (L461)	A							213,606	\$16,090	
MJU-23 FLARE (L462)	A					13,826	\$9,264			
MJU-39/40 FLARE	A							2,614	\$6,396	
MJU-50 FLARE	A							257,314	\$17,536	
LUU-2B/B (L440)	A							8,180	\$6,240	
ITEMS LESS THAN \$5 MILLION	A				\$16,725		\$21,560		\$9,910	
<b>Totals:</b>					\$36,628		\$108,321		\$131,967	
<b>Remarks:</b>										
			<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 87			
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (MJU-7A/B IR FLARE - L463)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$14,306	\$30,806	\$32,238	\$35,974	\$36,399	\$37,911	\$38,581
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. The MJU-7A/B is an infrared countermeasure 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.</li> <li>2. This item is procured through the Single Manager for Conventional Ammunition.</li> </ol>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)										DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
MJU-7A/B IR FLARE	A				607,404	23.21	14,098	1,385,469	22.05	30,550	1,428,347	22.53	32,181
PRODUCTION SUPPORT							{208}			{256}			{57}
QUALITY ASSURANCE							5			6			6
INDUSTRIAL STOCK SUPPORT							203			250			51
<b>TOTALS:</b>							14,306			30,806			32,238
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 89						Page 1 of 1	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2002			
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										
FY00	119	19.77	AFMC/OO-ALC	C/FP	ALLIANT KILGORE CORP	OCT 01	APR 02			
FY01	364	23.552	AFMC/OO-ALC	C/FP	BAE SYSTEMS;AUSTIN, TX	AUG 01	APR 02			
FY01	243	23.552	AFMC/OO-ALC	C/FP	ALLIANT KILGORE CORP	AUG 01	APR 02			
FY02	1,385	22.235	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	MAR 03	Y		
FY03	1,428	22.57	AFMC/OO-ALC	C/FP	UNKNOWN	AUG 03	AUG 04	Y		
<b>REMARKS:</b> Quantity in thousands.										
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 90				Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES ( M206 FLARE - L410)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$22,611	\$22,639	\$23,860	\$24,078	\$24,070	\$23,300
<b>Description:</b> 1. This item is an infrared countermeasure flare used by the A-10, F-16, C-17, and AC-130 aircraft against heat seeking missiles. 2. This item is procured through the Single Manager for Conventional Ammunition (SMCA).								
	<b>P-1 ITEM NO</b> 14			<b>PAGE NO:</b> 91				Page 1 of 1

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)										DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES ( M206 FLARE - L410)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
M206 FLARE	A				0	0		1,673,696	13.33	22,310	1,650,773	13.62	22,484
PRODUCTION SUPPORT										{301}			{155}
PRODUCTION ENGINEERING										104			110
QUALITY ASSURANCE										12			9
INDUSTRIAL STOCK SUPPORT										185			36
<b>TOTALS:</b>								1,673,696		22,611	1,650,773		22,639
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 92						Page 1 of 1	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES ( M206 FLARE - L410)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
M206 FLARE										
FY00 (1)	166	12.21	AFMC/OO-ALC	C/FP	ALLIANT KILGORE CORP, TOONE, TN	OCT 01	NOV 02			
FY00	249	12.21	AFMC/OO-ALC	C/FP	ALLIANT KILGORE CORP; TOONE, TN	MAY 00	DEC 00			
FY02	1,674	13.51	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	MAR 03	Y		
FY03	1,651	13.72	AFMC/OO-ALC	C/FP	UNKNOWN	JUN 03	JUN 04	Y		
<p><b>REMARKS:</b>                      (1) Martin Electronics, at their request, has been removed from the flare industrial base. Martin Electronics contracts were novated to Alliant Kilgore.</p> <p>Quantity in thousands.</p>										
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 93				Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> LUU-19 FLARE (LA05)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$5,597	\$17,383	\$20,918	\$17,233	\$17,756	\$16,907	\$17,231
<p><b>Description:</b></p> <p>1. The LUU-19 aircraft parachute flare is an aircraft launched illuminating device. These flares are classified according to use, illumination, and burn time. Flares for aircraft use provide illumination for reconnaissance, bombardment, emergency night landings or search and rescue. Flares may be delivered/launched from high speed aircraft by use of SUU-25 flare dispenser or launched from C-130 aircraft LAU-74 cargo door launcher. Flares can also be hand-launched or launched from aircraft utilizing static line ignition. Flares are attached to an 18-foot diameter cruciform parachute, have settings from 500 to 11,000 feet, and free fall prior to functioning. The flare candle burns for approximately 300 seconds with a level of 100-watts per steradian in the near infra-red spectrum.</p> <p>2. This item is centrally procured by the Air Force.</p>								
<b>P-1 ITEM NO</b> 14		<b>PAGE NO:</b> 94			Page 1 of 1			

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> LUU-19 FLARE (LA05)					
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
LUU-19/B FLARE	A			3,968	\$5,597	12,013	\$17,383	14,282	\$20,918
<b>Totals:</b>					\$5,597		\$17,383		\$20,918
<b>Remarks:</b>									
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 95		Page 1 of 1	

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>	<b>DATE:</b> FEBRUARY 2002
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<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT	<b>P-1 NOMENCLATURE:</b> LUU-19 FLARE (LA05)
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ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
LUU-19/B FLARE									
FY00 (1)	860	1,388.37	AFMC/OO-ALC	SS/FP	THIOKOL CORP; BRINGHAM CITY, UT	SEP 01	APR 02	Y	
FY01	3,968	1,410.53	AFMC/OO-ALC	SS/FP	THIOKOL CORP; BRINGHAM CITY, UT	OCT 01	MAY 02	Y	
FY02	12,013	1,446.98	AFMC/OO-ALC	OPT/FP	THIOKOL CORP; BRINGHAM CITY, UT	APR 02	AUG 02	Y	
FY03	14,282	1464.64	AFMC/OO-ALC	OPT/FP	THIOKOL CORP; BRINGHAM CITY, UT	JAN 03	AUG 03	Y	

**REMARKS:**  
 (1) FY00 and FY01 awarded late due to a new configuration change, catalogue change and screening process time, no further delays are expected. Thiokol currently holds the proprietary data on the LUU-19/B.

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARE-MJU-10-L461				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$3,678	\$0	\$16,090	\$7,780	\$7,850	\$7,910	\$7,990
<p><b>Description:</b></p> <p>1. The MJU-10 is an infrared countermeasures flare used by the F-15 aircraft against heat seeking missiles. It is dispensed from th AN/ALE-45 chaff and flare dispenser. The MJU-10 is approximately twice the size of the MJU-7/B flare used on F-16 and C-141 aircraft.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition (SMCA).</p>								
<b>P-1 ITEM NO</b> 14		<b>PAGE NO:</b> 97					Page 1 of 1	

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)										DATE: FEBRUARY 2002				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARE-MJU-10-L461									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
MJU-10					44,535	81.15	3,614	0	0		213,606	75.03	16,027	
PRODUCTION SUPPORT							{64}						{63}	
QUALITY ASSURANCE							12						6	
ACCEPTANCE TESTING													35	
INDUSTRIAL STOCK SUPPORT							52						22	
<b>TOTALS:</b>							3,678						16,090	
<b>REMARKS:</b>														
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 98				Page 1 of 1				

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARE-MJU-10-L461						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MJU-10										
FY00(1)	81.53	45.75	AFMC/OO-ALC	C/FP	ALLIANT KILGORE, TOONE, TN	MAY 00	MAR 01	Y		
FY00(2)	54.40	45.75	AFMC/OO-ALC	C/FP	TRACOR AEROSPACE, AUSTIN, TX	MAY 00	NOV 00	Y		
FY01(1)	26.72	82.59	AFMC/OO-ALC	C/FP	ALLIANT KILGORE, TOONE, TN	FEB 01	JUL 02	Y		
FY01(2)	17.81	82.59	AFMC/OO-ALC	C/FP	TRACOR AEROSPACE, AUSTIN, TX	FEB 01	MAY 01	Y		
FY03	213.61	75.03	AFMC/OO-ALC	C/FP	UNKNOWN	AUG 03	AUG 04	Y		
<b>REMARKS:</b> 1.FY00 and FY01 buys split between Alliant Kilgore Corp and Tracor Aerospace Inc. 2. Quantities are in thousands										
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 99				Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> MJU-39/40 ACFT FLARE				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$4,322	\$6,396	\$9,480	\$9,433	\$10,922	\$10,771
<p><b>Description:</b></p> <p>1. The 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 the F-22 unique requirements.</p>								
<b>P-1 ITEM NO</b> 14		<b>PAGE NO:</b> 100			Page 1 of 1			

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<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)</b>													<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT							<b>P-1 NOMENCLATURE:</b> MJU-39/40 ACFT FLARE								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003				
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST		
MJU-39/40	A							1,800	2,401	4,322	2,614	2,447	6,396		
<b>TOTALS:</b>										4,322			6,396		
<b>REMARKS:</b>															
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 101						Page 1 of 1			

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>	<b>DATE:</b> FEBRUARY 2002
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<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT	<b>P-1 NOMENCLATURE:</b> MJU-39/40 ACFT FLARE
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ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
MJU-39/40									
FY00	100	1,425	AFMC/ASC	C/FFP	BAE, NASHUA, NH	DEC 99	MAY 02		
FY02	1,800	2,401	AFMC/ASC	OPT/FFP	BAE NASHUA, NH	NOV 02	NOV 03	Y	
FY03	2,614	2,447	AFMC/ASC	OPT/FFP	BAE, NASHUA, NH	NOV 03	NOV 04	Y	

**REMARKS:**

	<b>P-1 ITEM NO</b> 14		<b>PAGE NO:</b> 102		Page 1 of 1
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> MJU-50 ACFT FLARE				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$4,779	\$4,815	\$17,536	\$16,847	\$16,853	\$13,099	\$11,005
<p><b>Description:</b></p> <p>1. Decoy, Countermeasure, MJU-50/B is a hermetically sealed 1 x 1 8-inch aluminum cartridge case purged with nitrogen and containing a payload of stacked special material elements which react to air. It's loaded into a multiple jettison/dispensing unit (magazine) and deployed by the use of BBU-35/B impulse cartridge. When deployed into the air stream, the special material reacts with the air to emit an infrared signal to decoy IR seeking missiles.</p> <p>2. This item is centrally procured by OO-ALC.</p>								
	<b>P-1 ITEM NO</b> 14			<b>PAGE NO:</b> 103		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (MJU-50)						
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
MJU-50	A			72,529	\$4,779	71,854	\$4,815	257,314	\$17,536	
<b>Totals:</b>					\$4,779		\$4,815		\$17,536	
<b>Remarks:</b>										
			<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 104			
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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> MJU-50 ACFT FLARE						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MJU-50										
FY01 (2)	73	65.89	AFMC/OO-ALC	SS/FP	ALLOY SURFACES	APR 02	JUL 03	Y		
FY02	72	67.01	AFMC/OO-ALC	SS/FP	ALLOY SURFACES	APR 02	JAN 04	Y		
FY03	257	68.15	AFMC/OO-ALC	SS/FP	ALLOY SURFACES	APR 03	JUL 04	Y		
<b>REMARKS:</b> 1. Quantity in thousands.  2. FY01 awarded late due to design improvements and retest accomplished subsequent to first article test. No further delays expected										
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 105				Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (LUU-2B/B ACFT FLARE - L440)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$4,896	\$4,683	\$6,240	\$7,000	\$7,201	\$7,600	\$7,600
<p><b>Description:</b></p> <p>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. The timer has settings from 250 to 11,000 feet, with 1,000 to 11,000 settings in the 1,000 foot increments.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition (SMCA).</p>								
<b>P-1 ITEM NO</b> 14		<b>PAGE NO:</b> 106					Page 1 of 1	

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)										DATE: FEBRUARY 2002				
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (LUU-2B/B ACFT FLARE - L440)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
LUU-2B/B	A				8,186	588.91	4,821	5,788	801.51	4,639	8,180	761.02	6,225	
PRODUCTION SUPPORT							{75}			{44}			{15}	
QUALITY ASSURANCE							5			5			6	
INTERIM TRANSPORTATION														
INDUSTRIAL STOCK SUPPORT							70			39			9	
						598.09			809.09			762.84		
<b>TOTALS:</b>							4,896			4,683			6,240	
REMARKS:														
		P-1 ITEM NO 14				PAGE NO: 107				Page 1 of 1				

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> 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										
FY00	3,755	584.99	AFMC/OO-ALC	C/FP	THIOKOL CORP ORD OPER; BRIGHAM UT	AUG 00	MAY 01			
FY01	8,186	598.09	AFMC/OO-ALC	C/FP	THIOKOL CORP ORD OPER; BRIGHAM UT	AUG 01	AUG 02			
FY02	5,788	809.09	AFMC/OO-ALC	C/FP	UNKNOWN	AUG 02	DEC 03	Y		
FY03	8,180	762.84	AFMC/OO-ALC	C/FP	UNKNOWN	JUL 03	NOV 04	Y		
<b>REMARKS:</b>										
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 108				Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (ITEMS LESS THAN \$5 MILLION)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$16,725	\$21,560	\$9,910	\$2,598	\$6,183	\$6,381	\$6,319
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. All listed items on the following P-40A-IL have a FY03 procurement value of less than \$5,000,000 and are Code A.</li> <li>2. Items requested in FY03 are identified on the following P40A-IL and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</li> </ol>								
	<b>P-1 ITEM NO</b> 14			<b>PAGE NO:</b> 109		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)</b>	<b>DATE: FEBRUARY 2002</b>
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<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT	<b>P-1 NOMENCLATURE:</b> FLARES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	NSN			FY2003	
		QTY.	COST	QTY.	COST
SUU-25 FLARE DISPENSER (L127)				31	\$570
SIG KIT, PRSNL DISTRESS (L283)				16,706	\$905
MJU-23, FLARE (L462)				7,455	\$4,850
COMBAT RESCUE AND RECOVERY				950	\$485
SUU-25, FLARE DISPENSER ADAPTER KIT (LY15)				15,487	\$100
LUU-5 TARGET MARK GRN (L661)				2,754	\$3,000
<b>TOTALS:</b>					\$9,910

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FUZES (OVERVIEW)				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$0	\$37,705	\$46,290	\$46,602	\$95,580	\$91,737
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. The Fuze category includes the FMU-152/B (Joint Programmable Fuze), DSU-33 proximity sensor fuze, FMU-139A/B, and FMU-143B/B fuzes. A bomb fuze is a device for initiating the explosive train of a bomb at the appropriate time to fulfill the mission requirements. Normally, fuzes are placed in both the nose and tail of the bomb to increase functioning reliability</li>   <li>2. These fuzes have all been previously procured by the Air Force and have been consolidated into on P-1 line. FY01 funding for the Joint Programmable Fuze (JPF) is included in P-1 line number 36 for Joint Programmable Fuze. There was no FY02 funding requested for Joint Programmable Fuze. FY01 and FY02 funding for all other fuzes is included in P-1 line number 4 for General Purpose Bombs.</li>   <li>3. Items requested in FY03 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical munitions/equipment needed to support Air Force mission requirements.</li> </ol>								
	<b>P-1 ITEM NO</b> 15			<b>PAGE NO:</b> 111		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: FEBRUARY 2002</b>			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FUZES (OVERVIEW)						
PROCUREMENT ITEMS	ID CODE			FY2001		FY2002		FY2003		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
JOINT PROGRAMMABLE FUZE	A							1,760	\$7,926	
FMU-139 PROXIMITY SENSOR FUZE	A							3,877	\$11,357	
DSU-33B/B PROXIMITY SENSOR (BY30)	A							7,025	\$18,422	
<b>Totals:</b>									\$37,705	
<b>Remarks:</b>										
			<b>P-1 ITEM NO</b> 15				<b>PAGE NO:</b> 112			
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FUZES-JPF				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$0	\$7,926	\$25,967	\$25,107	\$75,171	\$75,448
<p><b>Description:</b></p> <p>1. The FMU-152/B JPF is a Joint AF/Navy multi-function unitary fuze being developed and procured for the Joint Direct Attack Munition (JDAM) and other conventional inventory weapons. The FMU-152/B will provide 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 provides backward compatibility for MK-80 series guided and unguided bombs. It will replace or supplement different inventory fuzes such as the FMU-139, FMU-143, FMU-124, and M904/M905, and provide the next generation of fuzing capability for hard target, general purpose and guided bombs.</p>								
	<b>P-1 ITEM NO</b> 15		<b>PAGE NO:</b> 113		Page 1 of 1			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: FUZES-JPF									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003				
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST		
HARDWARE														{6,336}	
FMU-152/B FUZE	A											1,760	3,600	6,336	
PRODUCTION SUPPORT														{1,335}	
ECO/ECP														577	
SYSTEM ENGINEERING/PROGRAM MANAGEMENT															
DATA														8	
CONTRACTOR SUPPORT														750	
NONRECURRING														{205}	
LIFE CYCLE TEST SET														205	
CONTAINERS														50	
<b>TOTALS:</b>														7,926	
<b>REMARKS:</b>															
		<b>P-1 ITEM NO</b> 15						<b>PAGE NO:</b> 114							
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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> 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										
FY03	1,760	4,503	AFMC/AAC	OPT/FFP	DAYRON/ORLANDO, FL	JAN 03	FEB 04	Y		
<p><b>REMARKS:</b> The basic contract was awarded to Dayron, Orlando, FL on 19 Jun 98 for first article acceptance test and low rate initial production (LRIP). The contract includes firm fixed price options for FY99-03 and additional options for FY04-07 under a production price commitment curve.</p>										
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FUZES-FMU-139B/B, G119				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$0	\$0	\$11,357	\$2,000	\$2,000	\$2,000	\$1,000
<p><b>Description:</b></p> <p>1. The FMU-139B/B fuze is designed for electrical initiation but does not contain any electrical power. The fuze may be used in low or high drag configured bombs. It is the primary fuze used in general purpose bombs, laser guided bombs, and JDAM. The new FMU-52/B joint programmable fuze will eventually become the primary fuze in lieu of the FMU-139B/B.</p>								
	<b>P-1 ITEM NO</b> 15			<b>PAGE NO:</b> 116		Page 1 of 1		

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: FUZES-FMU-139B/B, G119									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003				
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST		
HARDWARE														{11,082}	
FMU-139B/B	A										3,877	2,858.35	11,082		
COMP CH-6 (LB)											1,035	19.69	0		
BOX METAL M548											596	20.30	0		
PBXN-7 TYPE II (LB)											1,152	123.84	143		
PRODUCTION SUPPORT														{132}	
QUALITY ASSURANCE														5	
ACCEPTANCE TESTING														114	
INDUSTRIAL STOCK SUPPORT														13	
<b>TOTALS:</b>														11,357	
<b>REMARKS:</b> (1) Where there is no cost the item is Government Furnished Material.															
		<b>P-1 ITEM NO</b> 15					<b>PAGE NO:</b> 117								Page 1 of 1

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> FEBRUARY 2002			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FUZES-FMU-139B/B, G119						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
FMU-139B/B										
FY03	3877	2929.33	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 03	SEP 04	Y		
<b>REMARKS:</b>										
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2002		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> DSU-33B/B PROXIMITY SENSOR				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$4,999	\$11,575	\$18,422	\$18,323	\$19,495	\$18,409	\$15,289
<p><b>Description:</b></p> <p>1. The DSU-33B/B is a joint service doppler radar proximity sensor designed to provide airburst capability to warheads using the FMU-139A/B and FMU-152/B fuze. Airburst yields a significant increase in effectiveness for unitary warheads against surface targets such as Surface-to-Air Missiles (SAM) and Anti-Aircraft Artillery (AAA). The DSU-33B/B incorporates several important operational improvements over the DSU-33A/B. These improvements include compatibility with Joint Direct Attack Munition (JDAM) guided weapons, M117 and MK-80 series general-purpose bombs. The DSU 33B/B also significantly expands the high altitude release capability for bomber attacks. In addition, the DSU-33B/B provides extended operational and service life as well as increased ruggedness and full compatibility with Navy weapons. The Sensor is activated upon release from Air Force aircraft by an FMU-48 or FMU-55/B air driven turbine or from Navy aircraft by the fuze function control set (FFCS). The designed height-of-burst is 5 to 35 feet.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)												DATE: FEBRUARY 2002	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT						P-1 NOMENCLATURE: DSU-33B/B PROXIMITY SENSOR							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
HARDWARE							{4,575}			{9,181}			{11,191}
DSU-33B/B	A				3,501	1,306.84	4,575	6,511	1,410	9,181	7,025	1,593	11,191
PRODUCTION SUPPORT							{424}			{980}			{1,092}
ECO/ECP										250			652
PROGRAM MANAGEMENT ADMIN							85			280			
TEST SUPPORT							20			20			
CONTRACTOR SUPPORT							319			430			440
NONRECURRING										{1,414}			{6,139}
GOV QUAL TESTING													5,000
CONTRACTOR FAAT (1)													1,139
DSU-33 / FMU-139 INTEGRATION										1,414			
<b>TOTALS:</b>							4,999			11,575			18,422
<b>REMARKS:</b> (1) FY03 contract will be recompleted													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: FEBRUARY 2002			
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										
FY01	3,501	1,428.16	AFMC/AAC	OPT/FFP (1)	ALLIANT, JANESVILLE, WI	JAN 01	SEP 01			
FY02(LOT 1)	6,411	1,428.16	AFMC/AAC	OPT/FFP(1)	ALLIANT, JANESVILLE, WI	FEB 02	JUL 02	Y		
FY02(LOT 2)	100	24,190.7	AFMC/AAC	C/FFP (2)	UNKNOWN	FEB 02	JUN 05	Y		
FY03	7,025	2,622.35	AFMC/AAC	C/FFP (3)	UNKNOWN	JAN 03	JUN 03	Y		
<p><b>REMARKS:</b>                      (1) Option to basic contract to Alliant Tech Sys, awarded 22 Jul 98.                      (2) The separate FY02 100 unit cost and extended delivery schedule account for the initial tooling for production start-up costs and contractor qualification testing associated with the award of the new contract.</p>										
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2002	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> SMALL ARMS				
		<b>FY2001</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)		\$3,985	\$2,401	\$4,360	\$19,240	\$11,177	\$1,998	\$1,992
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. This small arms line encompasses small-caliber hand-fired weaponry (pistols or rifles) used to support air base ground defense, aircrew protection, Office of Special Investigation operations, security functions, and other activities requiring small portable firearms.</li> <li>2. This line procures various items used for air base defense and ground crew training, including accessories needed to improve or maintain existing weapons. Items requested in FY03 are identified on the accompanying P-40A-IL and are representative of items to be procured.</li> <li>3. In FY02, Small Ams received \$33M as part of the Defense Emergency Relief Fund (DERF). Funding was used to purchase M-240 machine guns (\$28M) and M4 carbine rifles (\$15M) in support of Operations Enduring Freedom and Nobel Eagle.</li> <li>4. Items actually procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</li> </ol>								
	<b>P-1 ITEM NO</b> 16		<b>PAGE NO:</b> 122		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: FEBRUARY 2002	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: SMALL ARMS			
PROCUREMENT ITEMS	NSN			FY2003	
		QTY.	COST	QTY.	COST
9MM COMPACT PISTOL				0	\$0
M-9 PISTOL				361	\$228
9MM GENERAL OFFICER PISTOL				45	\$27
WEAPONS CONTAINER				3	\$2
NIGHT VISION PVS-4				2	\$22
M4 CARBINES CORE EQUIPMENT				4930	\$4,081
<b>TOTALS:</b>					\$4,360
	P-1 ITEM NO 16		PAGE NO: 123		Page 1 of 1

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