

# DEPARTMENT OF THE AIR FORCE

## COMMITTEE STAFF PROCUREMENT BACKUP BOOK FY 2002 AMENDED BUDGET SUBMISSION JUNE 2001



## 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 2002

Table of Contents

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

PROCUREMENT OF AMMUNITION, AF

<u>P-1 Line No.</u>	<u>Item</u>	<u>Page No.</u>
1	Rockets.....	1
2	Cartridges.....	8
3	Practice Bombs.....	28
4	General Purpose Bombs.....	39
5	CAWCF Closure Costs.....	58
6	Sensor Fuzed Weapon.....	59
7	Joint Direct Attack Munition.....	63
8	Wind Corrected Munitions Dispenser.....	67
9	CAD/PAD.....	70
10	Explosive Ordnance Disposal.....	72
11	Spares & Repair Parts.....	74
12	Modifications Less Than \$5M.....	76
13	Items Less Than \$5M.....	77
14	Flares.....	79
16	Small Arms.....	98

## **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

**Agency:** DEPARTMENT OF DEFENSE - MILITARY

Beruea: PROCUREMENT

Heading: Procurement of Ammunition, Air Force

FY 2002 Budget

Appendix Page: 286-287

FY 2002

Pending Request: \$654,000,000

Proposed Amendment: \$211,344,000

Revised Request: \$865,344,000

The amended budget changes or aligns resources to reflect President Bush's defense initiatives, final program cost initiatives, and several initial recommendations from Secretary Rumsfeld's ongoing strategy review.

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE: JUNE 2001</b>	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ROCKETS (OVERVIEW)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$9,051	\$19,328	\$29,580	\$11,422	\$12,001	\$12,373	\$12,979	\$13,267
<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 FY02 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. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</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 (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ROCKETS (2.75 INCH ROCKET MOTOR - HA07)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$6,814	\$14,428	\$23,621	\$6,807	\$6,816	\$7,073	\$7,679	\$7,867
<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. \$8M for 2.75 Inch Rocket Motors was added by Congress in FY01, reference FY01 Appropriation Conference Report 106-754, 17 Jul 00.</li> <li>3. This item is procured through the Single Manager for Conventional Ammunition.</li> <li>4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 1			<b>PAGE NO:</b> 3			Page 1 of 1		

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<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)</b>							<b>DATE: JUNE 2001</b>						
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT							<b>P-1 NOMENCLATURE:</b> ROCKETS (2.75 INCH ROCKET MOTOR - HA07)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			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	15,012	436.14	6,547	31,770	432.59	13,743	47,744	468.61	22,373			
PRODUCTION SUPPORT				{267}			{685}			{1,248}			
PRODUCTION ENGINEERING				166			270			455			
PRODUCTION MANAGEMENT SUPPORT				101			415			793			
<b>TOTALS:</b>				6,814			14,428			23,621			
<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> JUNE 2001			
<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										
FY00	15,012	453.90	AFMC/OO-ALC	OPT/FFP	GDOS - BURLINGTON, VT	FEB 00	OCT 00			
FY01	31,770	454.14	AFMC/OO-ALC	OPT/FFP	GDOS - BURLINGTON, VT	DEC 00	JUL 02			
FY02	47,744	494.74	AFMC/OO-ALC	OPT/FFP	GDOS - BURLINGTON, VT	APR 02	OCT 03	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: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ROCKETS (ITEMS LESS THAN \$5 MILLION)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$2,237	\$4,900	\$5,959	\$4,615	\$5,185	\$5,300	\$5,300	\$5,400
<b>Description:</b> <p>1. All items have an annual procurement value of less than \$5,000,000 and are Code A. Items requested in FY02 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> <p>2. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</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: JUNE 2001</b>	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT			<b>P-1 NOMENCLATURE:</b> ROCKETS (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2002		FY2003	
		QTY.	COST	QTY.	COST
2.75 INCH FLARE (HA06)		1,868	\$2,959		
2.75 INCH ILLUM (H812)		4,237	\$3,000		
<b>TOTALS:</b>			\$5,959		
	<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: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (OVERVIEW)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$69,397	\$71,509	\$122,907	\$71,309	\$64,303	\$64,020	\$66,923	\$68,880
<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. FY00 includes funding for Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD) items, such as gas generators, initiators, shield mild detonation cord, rocket motors, rocket catapults, etc., used on aircraft fire suppression, emergency release and aircrew escape systems. CAD/PAD is an independent P-1 line item beginning in FY02 (P-1 line number 9).</li> <li>3. Items requested in FY02 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>4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 2				<b>PAGE NO:</b> 8		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (20 MM TP PGU-27A/B, AA24)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$8,795	\$13,999	\$40,126	\$13,665	\$9,618	\$9,448	\$9,490	\$9,496
<b>Description:</b> <p>1. The 20 MM target practice (TP) round is used for air-to-air and air-to-ground training in the M61 aircraft cannon on the F-15 and F-16 aircraft. The Air Force procures various links, linking methods, and mixtures of target practice and target practice tracer ammunition depending on the specific requirement of the system and the training program. The cartridge is electrically primed and has no fuze. The 20MM projectile is a solid slug sized to match the ballistics of the 20MM combat round. The 20MM cartridge is the primary ammunition used in aircraft gun systems by the Air Force and Navy. The Air Force procures the PGU-27 TP round to provide a training capability to complement the PGU-28 high explosive incendiary (HEI) combat round and ensure training is consistent with combat operations.</p> <p>2. 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.</p> <p>3. This item is procured through the Single Manager for Conventional Ammunition.</p> <p>4. Items requested in FY 2002 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.</p> <p>5. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
	<b>P-1 ITEM NO:</b> 2			<b>PAGE NO:</b> 10				Page 1 of 1

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: JUNE 2001						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: CARTRIDGES (20 MM TP PGU-27A/B, AA24)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			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			{8,733}			{13,712}			{39,461}			
LOAD, ASSEMBLE,PACK		930,323	9.30	8,656	1,439,838	9.44	13,592	5,851,800	6.66	38,974			
BOX, METAL M548 (1)		3,815	20.30	77	5,904	20.30	120	23,993	20.30	487			
PRODUCTION SUPPORT				{139}			{407}			{1,152}			
QUALITY ASSURANCE				11			12			14			
ACCEPTANCE TESTING										665			
INTERIM TRANSPORTATION				1			1			1			
INDUSTRIAL STOCK SUPPORT				127			394			472			
NONRECURRING													
GOVERNMENT FURNISHED MATERIAL				-77			-120			-487			
<b>TOTALS:</b>				8,795			13,999			40,126			
<b>REMARKS:</b> (1) Government furnished equipment													
		<b>P-1 ITEM NO</b> 2						<b>PAGE NO:</b> 11		Page 1 of 1			

# UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: JUNE 2001			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> 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										
FY00	930	9.46	AFMC/OO-ALC	C/FP	ALLIANT TECH SYS, NEW BRIGHTON, MN	AUG 00	APR 01			
FY01	1,338	9.72	AFMC/OO-ALC	C/FP	ALLIANT TECH SYS, NEW BRIGHTON, MN	MAR 01	MAR 02			
FY01	101	9.72	AFMC/OO-ALC	C/FP	PRIMEX TECH, MARION, IL	MAR 01	MAY 02			
FY02	5,852	6.86	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	MAR 03	Y		
<b>REMARKS:</b> Quantity in thousands.										
		<b>P-1 ITEM NO</b> 2				<b>PAGE NO:</b> 12				Page 1 of 1

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (30 MM TP PGU-15/B, B116)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$16,001	\$18,365	\$38,998	\$16,229	\$12,681	\$12,431	\$12,537	\$13,573
<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 2002 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> <li>4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 2				<b>PAGE NO:</b> 13		Page 1 of 1		

# UNCLASSIFIED



# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>	<b>DATE:</b> JUNE 2001
--	------------------------

<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT	<b>P-1 NOMENCLATURE:</b> 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									
FY00	868	9.95	AFMC/OO-ALC	C/FP	ALLIANT TECH SYS, NEW BRIGHTON, MN	AUG 00	APR 01		
FY00	739	9.95	AFMC/OO-ALC	C/FP	PRIMEX TECH, MARION, IL	AUG 00	APR 01		
FY01	905	10.09	AFMC/OO-ALC	C/FP	ALLIANT TECH SYS, NEW BRIGHTON, MN	MAR 01	APR 02		
FY01	915	10.09	AFMC/OO-ALC	C/FP	PRIMEX TECH, MARION, IL	MAR 01	MAR 02		
FY02	3,481	11.20	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	MAR 03	Y	

**REMARKS:**  
Quantity in thousands.

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (BBU-36 IMPULSE CARTRIDGE)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$1,334	\$3,480	\$6,111	\$3,797	\$3,598	\$3,623	\$3,530	\$3,532
<b>Description:</b> <ol style="list-style-type: none"><li>1. The BBU-36 is an electrically initiated impulse cartridge containing propellant that ejects and ignites the MJU-7 and MJU-10 Flare pellet.</li><li>2. Funding for FY00 &amp; FY01 is included in Cartridges (Items Less Than \$5M).</li><li>3. Items requested in FY 2002 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>4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li></ol>								
	<b>P-1 ITEM NO:</b> 2			<b>PAGE NO:</b> 16				Page 1 of 1

UNCLASSIFIED



# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> JUNE 2001			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (BBU-36 IMPULSE CARTRIDGE)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
BBU-36										
FY00	511	2.61	AFMC/OO-ALC	C/FP	QUANTIC, HOLLISTER, CA	MAR 00	MAR 01			
FY01	1,311	2.65	AFMC/OO-ALC	C/FP	UNKNOWN	JUL 02	MAR 02	Y		
FY02	2,262	2.70	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	MAR 03	Y		
<b>REMARKS:</b> Quantities in thousands.										
		<b>P-1 ITEM NO</b> 2			<b>PAGE NO:</b> 18			Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (MK-107 IMPULSE CARTRIDGE)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$0	\$0	\$7,200	\$1,600	\$1,800	\$1,800	\$1,800	\$1,750
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. The MK-107 Impulse Cartridge is used to eject munitions from the rotary launcher (bomb rack) of the B-1/B aircraft. It is externally grounded with a shorting cap.</li> <li>2. Items requested in FY 2002 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. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
			<b>P-1 ITEM NO:</b> 2			<b>PAGE NO:</b> 19	Page 1 of 1	

# UNCLASSIFIED

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: JUNE 2001		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (MK-107 IMPULSE CARTRIDGE)					
PROCUREMENT ITEMS	ID CODE	FY2000		FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK-107	A					28,184	\$7,200		
<b>Totals:</b>							\$7,200		
<b>Remarks:</b>									
	P-1 ITEM NO 2			PAGE NO: 20				Page 1 of 1	

UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> JUNE 2001			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (MK-107 IMPULSE CARTRIDGE)						
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-107										
FY02	28184	255.46	AFMC/OO-ALC	SS/FP	NSWC, INDIAN HEAD, MD	MAR 02	OCT 03	Y		
<b>REMARKS:</b>										
		<b>P-1 ITEM NO</b> 2					<b>PAGE NO:</b> 21		Page 1 of 1	

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (RR-188 CHAFF)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$3,788	\$5,378	\$10,500	\$5,500	\$5,500	\$5,300	\$5,300	\$5,300
<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 2002 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> <p>4. This administration has not addressed FY 2003-2007 requirements. All FY2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
<b>P-1 ITEM NO:</b> 2				<b>PAGE NO:</b> 22		Page 1 of 1		

# UNCLASSIFIED



# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> JUNE 2001			
<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	1,811	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		
<b>REMARKS:</b> Quantity in thousands.										
		<b>P-1 ITEM NO</b> 2				<b>PAGE NO:</b> 24		Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CARTRIDGES (ITEMS LESS THAN \$5 MILLION)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$20,877	\$17,137	\$19,972	\$27,615	\$28,204	\$28,541	\$31,296	\$32,211
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>2. Items requested in FY 2002 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.</li> <li>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
			<b>P-1 ITEM NO:</b> 2			<b>PAGE NO:</b> 25	Page 1 of 1	

# UNCLASSIFIED

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: JUNE 2001	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2002		FY2003	
		QTY.	COST	QTY.	COST
5.56MM BALL (A071)		12220833	\$2,933		
5.56MM BALL CLIPPED (A059)		2,669,201	\$600		
5.56MM FRANGABLE (AA54)		6,591,160	\$2,637		
5.56MM SAW (A075)		1,424,288	\$540		
7.62MM BALL TRACER 9/1 (A168)		1,270,123	\$800		
7.62MM BALL DIM TRACER (A257)		948,267	\$400		
7.62MM LINKED (A143)		2,156,863	\$1,100		
7.62MM MATCH GRADE (A171)		97,520	\$61		
9MM BALL (A363)		3,202,254	\$400		
9MM BALL FRANGABLE (AA16)		144,000	\$100		
30MM STRAP (AY20)		180000	\$9		
40MM TP M781 (B519)		189,801	\$750		
40MM TP M918 LINKED F/MK19 (B584)		55,630	\$960		
81MM ILLUMINATION M301 (C226)		4,607	\$1,261		
.45 CAL BALL WAD (A482)		83,392	\$27		
.50 CAL BALL LINK (A555)		869,117	\$1,604		
12 GAUGE BUCKSHOT (A011)		77,731	\$30		
SIGNAL (COLD SPOT), CXU-3A/B (F470)		152,379	\$800		
BBU-35 IMPULSE CARTRIDGE (MG62)		1,219,512	\$2,500		
	<b>P-1 ITEM NO</b> 2		<b>PAGE NO:</b> 26	Page 1 of 2	

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)</b>				<b>DATE: JUNE 2001</b>	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT			<b>P-1 NOMENCLATURE:</b> CARTRIDGES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2002		FY2003	
		QTY.	COST	QTY.	COST
BBU-46 IMPULSE CARTRIDGE (MT40)		13,161	\$1,050		
CCU-41 IMPULSE CARTRIDGE (MF60)		2,463	\$10		
CARTRIDGE, CUTTER M21 (M500)		4,960	\$1,400		
<b>TOTALS:</b>			\$19,972		
<b>P-1 ITEM NO</b> 2		<b>PAGE NO:</b> 27		Page 2 of 2	

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (OVERVIEW)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$24,812	\$31,403	\$50,230	\$45,400	\$32,970	\$32,241	\$32,447	\$33,169
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>2. FY 2001 funding includes \$1.0M Congressional add for MAU-93 Conical Tail Fins, reference Appropriation Conference Report 106-754, 17 Jul 00.</li> <li>3. Items requested in FY02 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>4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
			<b>P-1 ITEM NO:</b> 3			<b>PAGE NO:</b> 28	Page 1 of 1	

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>							<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE	FY2000		FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MK82 INERT/BDU-50 (F013)	A	22,113	\$17,118	9,011	\$6,949	27,180	\$20,537		
BDU-33 25LB PRACTICE BOMB (E969)	A	335,849	\$4,547	433,484	\$7,226	728,742	\$11,693		
MK84 EMPTY / BDU-56 (E756)	A			7,168	\$16,228	7,924	\$18,000		
ITEMS LESS THAN \$5M			\$3,147		\$1,000				
<b>Totals:</b>			\$24,812		\$31,403		\$50,230		
<b>Remarks:</b>									
		<b>P-1 ITEM NO</b> 3				<b>PAGE NO:</b> 29		Page 1 of 1	

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$17,118	\$6,949	\$20,537	\$10,200	\$7,000	\$7,000	\$7,000	\$7,000
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>2. This item is procured by the Single Manager for Conventional Ammunition.</li> <li>3. This administration has not addressed FY203-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 3			<b>PAGE NO:</b> 30			Page 1 of 1		

# UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)								DATE: JUNE 2001					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT								P-1 NOMENCLATURE: PRACTICE BOMBS (MK-82 INERT/BDU-50 - F013)					
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			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	22,113	890.41	{17,018}	9,011	808.43	{6,872}	27,180	893.88	{20,902}			
LOAD, ASSEMBLE AND PACK		22,113	70.34	1,555	9,011	87.82	791	27,180	89.61	2,436			
BOMB BODY BDU-50A/B		22,777	616.32	14,038	9,282	593.63	5,510	27,996	597.52	16,728			
SUSP LUG MS3314		46,438	15.41	716	18,924	14.68	278	57,078	14.93	852			
PALLET, MHU 149/E		3,760	156.00	587	1,532	158.5	243	4,621	158.5	732			
PALLET INSPECTION, MHU 149/E		3,760	32.34	122	1,532	32.80	50	4,621	33.32	154			
PRODUCTION SUPPORT				{687}			{320}			{367}			
QUALITY ASSURANCE				5			5			5			
INTERIM TRANSPORTATION				285			61			26			
INDUSTRIAL STOCK SUPPORT				247			100			175			
NAVY ENGINEERING SUPPORT				150			154			161			
GOVERNMENT FURNISHED MATERIAL				-587			-243			-732			
<b>TOTALS:</b>				17,118			6,949			20,537			
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 3						<b>PAGE NO:</b> 31		Page 1 of 1			

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> JUNE 2001			
<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	DEC 02			
FY01	9,011	771.17	AFMC/OO-ALC	SS/FP	MCAAP (1)(2)	MAR 01	APR 03	Y		
FY02	27,180	755.59	AFMC/OO-ALC	SS/FP	MCAAP (1)(2)	JAN 02	SEP 03	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 is Intercontinental Manufacturing (IMCO).										
		<b>P-1 ITEM NO</b> 3				<b>PAGE NO:</b> 32		Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (BDU-33/25 LB PRACTICE BOMB - E969)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$4,547	\$7,226	\$11,693	\$10,783	\$10,557	\$10,820	\$10,847	\$11,373
<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> <p>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
<b>P-1 ITEM NO:</b> 3				<b>PAGE NO:</b> 33		Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)</b>							<b>DATE: JUNE 2001</b>						
<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	FY2000			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	335,849	13.33	4,477	433,484	16.42	7,118	728,742	15.91	11,594			
PRODUCTION SUPPORT				{70}			{108}			{99}			
QUALITY ASSURANCE				5			5			5			
INDUSTRIAL STOCK SUPPORT				65			103			94			
<b>TOTALS:</b>				4,547			7,226			11,693			
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 3				<b>PAGE NO:</b> 34				Page 1 of 1			

# UNCLASSIFIED



# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> PRACTICE BOMBS (BDU-56/B - E756)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$0	\$16,228	\$18,000	\$23,967	\$14,413	\$13,421	\$13,600	\$13,796
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>2. This item is procured through the Single Manager for Conventional Ammunition (SMCA).</li> <li>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
			<b>P-1 ITEM NO:</b> 3			<b>PAGE NO:</b> 36	Page 1 of 1	

# UNCLASSIFIED

# UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)								DATE: JUNE 2001					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT								P-1 NOMENCLATURE: PRACTICE BOMBS (BDU-56/B - E756)					
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			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				7,168	2,283.34	{16,260}	7,924	2,341.56	{18,293}			
LOAD, ASSEMBLE AND PACK					7,168	290.64	2,083	7,924	266.21	2,109			
BOMB BODY-56/B W/O PLUMBING					7,384	1,738.65	12,838	8,162	1,799.80	14,690			
LUG SUSP MK3					15,053	36.71	553	16,641	37.34	621			
PALLET MK79					3,620	159.51	577	4,002	159.51	638			
PALLET INSPECTION MK79					3,620	57.83	209	4,002	58.75	235			
PRODUCTION SUPPORT							{545}			{345}			
QUALITY ASSURANCE							5			6			
INTERM TRANSPORTATION SUPPORT							142			23			
INDUSTRIAL STOCK SUPPORT							236			153			
NAVY ENGINEERING SUPPORT							162			163			
GOVERNMENT FURNISHED MATERIAL							-577			-638			
<b>TOTALS:</b>							16,228			18,000			
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 3						<b>PAGE NO:</b> 37		Page 1 of 1			

# UNCLASSIFIED

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> JUNE 2001			
<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	7,168	2,263.95	AFMC/OO-ALC	SS/FP	MCAAP; MCALESTER, OK	MAR 01	MAY 03	Y		
FY02	7,924	2,271.57	AFMC/OO-ALC	SS/FP	MCAAP; MCALESTER, OK	JAN 02	SEP 03	Y		
<b>REMARKS:</b> (1) MCAAP- McAlester Army Ammunition Plant (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.										
		<b>P-1 ITEM NO</b> 3		<b>PAGE NO:</b> 38		Page 1 of 1				

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (OVERVIEW)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$117,650	\$22,415	\$110,522	\$27,966	\$24,323	\$26,501	\$27,921	\$28,705
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>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. Items requested in FY02 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>2. The FY00 cost includes the Joint Programmable Fuze (JPF). JPF is an independent P-1 line item beginning in FY01 (P-1 line number 15).</li> <li>3. Items requested in FY 2002 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> <li>4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
			<b>P-1 ITEM NO:</b> 4			<b>PAGE NO:</b> 39	Page 1 of 1	

# UNCLASSIFIED



# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$4,597	\$3,340	\$16,600	\$0	\$0	\$6,196	\$8,624	\$8,885
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>2. This item is procured through the Single Manager for Conventional Ammunition.</li> <li>3. FY03-04 production break is due to Air Force development effort to produce an insensitive explosive fill per Department of Defense policy.</li> <li>4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 4				<b>PAGE NO:</b> 41		Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: JUNE 2001						
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	FY2000			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			{4,267}			{3,093}			{16,225}			
LOAD ASSEMBLE & PACK		1,373	954.78	1,311	872	1,104.99	964	3,100	1241.90	3,850			
BOMB BODY MK-84		1,415	2,001.81	2,833	899	2,082.19	1,872	3,193	2188.73	6,989			
LUG SUSPENSION MK3		2,884	28.68	83	1,832	36.71	67	6,510	37.34	243			
PALLET INSPECTION		694	57.00	40	441	57.83	26	1,566	58.75	92			
TNT TYPE I FLAKE (1)										4,429			
ALUMINUM POWDER (1)							164			622			
PRODUCTION SUPPORT				{180}			{98}			{225}			
PRODUCTION ENGINEERING										65			
QUALITY ASSURANCE				4			5			6			
INTERIM TRANSPORTATION				88			32			18			
INDUSTRIAL STOCK SUPPORT				88			61			136			
NAVY ENGINEERING SUPPORT				150			149			150			
<b>TOTALS:</b>				4,597			3,340			16,600			
<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> 42			Page 1 of 1		

# UNCLASSIFIED



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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY (F763))				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$5,124	\$0	\$10,876	\$0	\$0	\$0	\$0	\$0
<b>Description:</b> <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 administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
	<b>P-1 ITEM NO:</b> 4			<b>PAGE NO:</b> 44				Page 1 of 1

UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)</b>	<b>DATE:</b> JUNE 2001
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<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT	<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY (F763))
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PROCUREMENT ITEMS	ID CODE	FY2000		FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MXU-650	A	1,100	\$5,124			2,369	\$10,876		
<b>Totals:</b>			\$5,124				\$10,876		

**Remarks:**



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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</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))				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$0	\$0	\$41,662	\$0	\$0	\$0	\$0	\$0
<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 administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
			<b>P-1 ITEM NO:</b> 4			<b>PAGE NO:</b> 47	Page 1 of 1	

# UNCLASSIFIED



# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> JUNE 2001			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT					<b>P-1 NOMENCLATURE:</b> 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	JAN 02	APR 02	Y		
<b>REMARKS:</b>										
		<b>P-1 ITEM NO</b> 4					<b>PAGE NO:</b> 49		Page 1 of 1	

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (BSU-33 TAIL FIN, MK-82)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$3,861	\$4,649	\$10,510	\$0	\$0	\$0	\$0	\$0
<b>Description:</b> <p>1. The BSU-33 Tail Fin Assembly consists of an elongated cone and four streamlined blades. The fin stabilizes the bomb during release and free flight from aircraft to target. The BSU-33 is attached to the bomb warhead (MK-82 500lb General Purpose) with a metal band that is tightened with a clamp.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition.</p> <p>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</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: JUNE 2001						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BSU-33 TAIL FIN, MK-82)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
BSU-33	A			{3,861}			{4,524}			{10,381}			
LOAD, ASSEMBLE & PACK		46,042	81.20	3,739	53,480	81.88	4,379	117,600	86.26	10,144			
PALLET MK3-0		1,534	79.50	122	1,743	83.20	145	2,518	94.32	237			
PRODUCTION SUPPORT				{58}			{60}			{60}			
QUALITY ASSURANCE							4			6			
INTERIM TRANSPORTATION				2			2						
INDUSTRIAL STOCK SUPPORT				56			54			54			
NONRECURRING				{-122}									
GOVERNMENT FURNISHED MATERIAL				-122									
NAVY ENGINEERING SUPPORT				64			65			69			
<b>TOTALS:</b>				3,861			4,649			10,510			
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 4						<b>PAGE NO:</b> 51					

# UNCLASSIFIED



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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (DSU-33B/B PROXIMITY SENSOR)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$6,798	\$4,999	\$11,575	\$8,334	\$8,273	\$8,255	\$8,285	\$8,289
<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> <p>2. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
			<b>P-1 ITEM NO:</b> 4			<b>PAGE NO:</b> 53	Page 1 of 1	

# UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: JUNE 2001						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (DSU-33B/B PROXIMITY SENSOR)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
HARDWARE				(6,043)			(4,575)			(10,719)			
DSU-33B/B	A	4,581	1,319.20	6,043	3,501	1,306.84	4,575	6,793	1,578	10,719			
PRODUCTION SUPPORT				(587)			(424)			(856)			
ECO/ECP				188						172			
PROGRAM MANAGEMENT ADMIN				60			85			240			
TEST SUPPORT				20			20						
CONTRACTOR SUPPORT				319			319			304			
ENGINEERING CONTRACT SUPPORT										65			
OPERATIONAL SAFETY STABILITY & EFFECTIVENESS										75			
NONRECURRING				(168)									
DUMMY SENSORS				150									
DSU-33 / FMU-139 INTEGRATION				18									
<b>TOTALS:</b>				6,798			4,999			11,575			
<b>REMARKS:</b>													
	<b>P-1 ITEM NO</b> 4					<b>PAGE NO:</b> 54							Page 1 of 1

# UNCLASSIFIED

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> JUNE 2001			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (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										
FY00	4,581	1,483.95	AFMC/AAC	OPT/FFP (1)	ALLIANT, JANESVILLE, WI	FEB 00	OCT 00			
FY01	3,501	1427.88	AFMC/AAC	OPT/FFP (1)	ALLIANT, JANESVILLE, WI	JAN 01	SEP 01			
FY02	6,793	1703.96	AFMC/AAC	C/FFP	UNKNOWN	JUN 02	APR 03	Y		
<b>REMARKS:</b> (1) Option to basic contract to Alliant Tech Sys, awarded 22 Jul 98.										
		<b>P-1 ITEM NO</b> 4		<b>PAGE NO:</b> 55			Page 1 of 1			

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$5,157	\$929	\$19,299	\$5,000	\$4,750	\$4,750	\$700	\$700
<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 FY02 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>2. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
			<b>P-1 ITEM NO:</b> 4			<b>PAGE NO:</b> 56	Page 1 of 1	

# UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: JUNE 2001	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2002		FY2003	
		QTY.	COST	QTY.	COST
MK-84 FIN ASSEMBLY (F607)		10,632	\$4,000		
MK-83 1000 LB GP BOMB (E509)		1,371	\$4,050		
MK-83 1000 LB GP BOMB INERT(F254)		117	\$250		
DSU-33A (D-2) PROXIMITY SENSOR INERT (BY02)		115	\$89		
CBU-87(T-3)/B BOMB DISPENSER INERT (E852)		60	\$1,184		
CBU-89(T-1)/B BOMB DISPENSER INERT (K293)		385	\$4,000		
MXU-651 GBU-10 FIN ASSEMBLY (F671)		955	\$4,926		
ADAPTER ASSEMBLY (CY16)		8,917	\$800		
<b>TOTALS:</b>			\$19,299		
		P-1 ITEM NO 4			PAGE NO: 57
				Page 1 of 1	

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE: JUNE 2001</b>	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CAWCF CLOSURE COSTS				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$0	\$11,300	\$7,946	\$0	\$0	\$0	\$0	\$0
<p><b>Description:</b></p> <p>1. The Conventional Ammunition Working Capital Fund (CAWCF) was established in FY 1982 to meet the operational needs of the Services to procure munitions. The Single Manager for Conventional Ammunition (SMCA) managed the CAWCF, and provided a single organization through which orders from the Services could be consolidated. This arrangement provided economies of scale, lower prices, and efficiencies for management of ammunition procurement.</p> <p>2. In Nov 96, the Department of Defense directed the closure of the CAWCF at the end of FY 1998. Under new operating guidelines, the Services continue to procure applicable assets through the Army's Single Manager for Conventional Ammunition (Operations Support Command). The Services jointly developed a plan for closing the CAWCF and transitioning to the new financing structure. All existing orders accepted by the CAWCF prior to 1 Oct 98, will continue to be processed through the CAWCF until completed. Additional resources are required from all Services to close out the CAWCF and to cover the projected losses. Each Service's share of these losses is based upon historical order volume.</p> <p>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
<b>P-1 ITEM NO:</b> 5				<b>PAGE NO:</b> 58		Page 1 of 1		

# UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: JUNE 2001		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SENSOR FUZED WEAPON				
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY	214	300	300	300	300	300	371	367
COST (in Thousands)	\$85,092	\$111,951	\$109,521	\$99,686	\$98,124	\$99,098	\$120,504	\$125,143
<b>Description:</b> <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 RDT&amp;E effort is funded in program element 27320F and scheduled to complete in FY 2000.</p> <p>3. 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> 59	Page 1 of 2	

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>			<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT		<b>P-1 NOMENCLATURE:</b> SENSOR FUZED WEAPON			
<b>Description (cont.):</b>  5. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.					
	<b>P-1 ITEM NO:</b> 6		<b>PAGE NO:</b> 60		Page 2 of 2

# UNCLASSIFIED

<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)</b>	<b>DATE: JUNE 2001</b>
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<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT	<b>P-1 NOMENCLATURE:</b> SENSOR FUZED WEAPON
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WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST									
HARDWARE				{76,266}			{108,843}			{106,219}			
CBU-97/B	A	214	349,813	74,860	300	352,487	105,746	300	338,507	101,552			
ENGINEERING CHANGE ORDERS				1,406			1,797			2,915			
GOVERNMENT FURNISHED EQUIPMENT							1,300			1,752			
NONRECURRING/ANCILLARY EQUIPMENT				{5,629}									
TOOLING AND TEST EQUIPMENT				5,629									
PRODUCTION AND SUPPORT COST				{3,197}			{3,108}			{3,302}			
TEST SUPPORT (LOT ACCEPTANCE TEST/QUAL)				773			785			799			
PROGRAM MANAGEMENT ADMINISTRATION				2,392			2,285			2,467			
DATA				32			38			36			
<b>TOTALS:</b>				85,092			111,951			109,521			

**REMARKS:**

	<b>P-1 ITEM NO</b> 6	<b>PAGE NO:</b> 61	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: JUNE 2001			
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	JUN 02			
FY02	300	365,070	AFMC/AAC	SS/FPIF (1)	TEXTRON SYS/WILMINGTON, MA	FEB 02	JUN 03	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> 62				Page 1 of 1

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>										<b>DATE</b> JUNE 2001	
<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>	6543	8436	9273	8383	8603	8835	8769	4231	0	0	63073
<b>GROSS COST (\$M)</b>	\$141.747	\$189.222	\$214.870	\$187.257	\$188.138	\$192.605	\$192.868	\$100.622	\$.105	\$0	\$1407.433
<b>INITIAL SPARES (\$M)</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL (\$M)</b>	\$141.747	\$189.222	\$214.870	\$187.257	\$188.138	\$192.605	\$192.868	\$100.622	\$.105	\$0	\$1407.433
<b>FLYAWAY UNIT COST (\$M)</b>	N/A	\$0.021	\$0.022	\$0.021	\$0.021	\$0.021	\$0.021	\$0.021	\$0	\$0	\$0.021
<b>WPN SYS PROC UNIT COST (\$M)</b>	N/A	\$0.022	\$0.023	\$0.022	\$0.022	\$0.022	\$0.022	\$0.024	\$0	\$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 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 (13 meters), 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. There is no requirement for initial spares because the hardware has a 20-year warranty.</p> <p>2. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>											
						<b>P-1 ITEM NO. 7</b>	<b>PAGE NO. 63</b>				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: JUNE 2001						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			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				{181,312}			{203,458}			{175,156}			
AIRFRAME (1 & 2)	A	8,436	21,326	179,906	9,273	21,038	195,085	8,383	19,960	167,325			
ENGINEERING CHANGE ORDERS				0			6,158			6,158			
NONRECURRING													
CONTRACTOR INCENTIVE				1,406			2,215			1,673			
SUPPORT COST				{7,910}			{11,412}			{12,101}			
TEST EQUIPMENT				835			1,874			2,059			
AIRBORNE TEST EQUIPMENT				2,236			1,896			2,516			
DATA				5			9			9			
PROGRAM MANAGEMENT/ ADMIN				1,745			2,705			3,219			
TRAINING				237			702						
PRODUCTION SUSTAINING ENGINEERING				2,752			4,174			4,097			
ALTERNATE DISPUTE RESOLUTION				100			52			54			
SEEK EAGLE (PE 27590F)										147			
FLYAWAY COST													
JDAM HARDWARE-RECURRING				{181,312}			{203,458}			{175,156}			
AIRFRAME (1 & 2)	A	8,436	21,326	179,906	9,273	21,038	195,085	8,383	19,960	167,325			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: JUNE 2001						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
ENGINEERING CHANGE ORDERS				0		6,158			6,158				
NONRECURRING													
CONTRACTOR INCENTIVE				1,406		2,215			1,673				
SUPPORT COST				{7,910}		{11,412}			{12,101}				
TEST EQUIPMENT				835		1,874			2,059				
AIRBORNE TEST EQUIPMENT				2,236		1,896			2,516				
DATA				5		9			9				
PROGRAM MANAGEMENT/ ADMIN				1,745		2,705			3,219				
TRAINING				237		702							
PRODUCTION SUSTAINING ENGINEERING				2,752		4,174			4,097				
ALTERNATE DISPUTE RESOLUTION				100		52			54				
SEEK EAGLE (PE 27590F)									147				
<b>TOTALS:</b>				378,444		429,740			374,514				
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 7				<b>PAGE NO:</b> 65				Page 2 of 2			

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**INDIVIDUAL MODIFICATIONS (EXHIBIT P- 3A)** **DATE: JUNE 2001**

**Modification Title and No:** Place Holder for AF Form 1537--use Microsoft Excel file **Models of Systems Affected:**  
**Description/Justification:** Place Holder for AF Form 1537  
  
**Development Status/Major Development Milestones:**

Financial Plan \$ (in Millions)	PY		FY2000		FY2001		FY2002		FY2003		FY2004		TOTAL	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
RDT&E														
Ref. R-1 PE No:														0
Procurement:														
Equipment Kits														0
Equipment Kits Non-recurring														0
Engineering Change Orders														0
Data														0
Training Equipment														0
Support Equipment														0
Software														0
Interim Contractor Support														0
Other														0
Total Procurement Costs:	0		0		0		0		0		0		0	
Hardware Installation:														
(PY) Eqpt ( Kits)														0
(FY00) Eqpt ( Kits)														0
(FY01) Eqpt ( Kits)														0
(FY02) Eqpt ( Kits)														0
(FY03) Eqpt ( Kits)														0
(FY04) Eqpt ( Kits)														0
Total Installation Costs:	0		0		0		0		0		0		0	
Total Modification Costs:	0		0		0		0		0		0		0	

<b>Method of Installation:</b>					<b>Administrative Lead-time (After 1 Oct):</b> Month(s)					<b>Production Lead-time:</b> Month(s)												
<b>Contract Date:</b>	PY		FY2000		FY2001		FY2002		FY2003		FY2004											
<b>Delivery Date:</b>	PY		FY2000		FY2001		FY2002		FY2003		FY2004											
<b>Installations:</b>	PY	<b>FY2000</b>				<b>FY2001</b>				<b>FY2002</b>				<b>FY2003</b>				<b>FY2004</b>				<b>Total</b>
		1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	
<b>Input</b>																						0
<b>Output</b>																						0

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: JUNE 2001			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
AIRFRAME (1&2)										
FY00	6,958	21,326	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 00	APR 01			
FY00 (1)	1,478	21,038	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	MAR 01	MAR 02			
FY01	9,013	21,038	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	MAR 01	MAR 02			
FY01 (2)	260	19,960	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 02	MAR 03			
FY02	8,383	19,960	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 02	MAR 03			
AIRFRAME (1&2)										
FY00	6,958	21,326	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 00	APR 01			
FY00 (1)	1,478	21,038	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	MAR 01	MAR 02			
FY01	9,013	21,038	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	MAR 01	MAR 02			
FY01 (2)	260	19,960	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 02	MAR 03			
FY02	8,383	19,960	AFMC/AAC	SS/FFP	BOEING/ST CHARLES, MO	FEB 02	MAR 03			
<b>REMARKS:</b> (1) FY 01 (Lot 5) contract is a split funding procurement consisting of FY00 funding for 1478 kits and FY01 9013 kits (2) FY 02 (Lot 6) contract is a split funding procurement consisting of FY01 funding for 260 kits and FY02 8383 kits NOTE: Specifications have been waived due to JDAM'S status as an Acquisition Reform pilot program.(1) FY 01 (Lot 5) contract is a split funding procurement consisting of FY00 funding for 1478 kits and FY01 9013 kits (2) FY 02 (Lot 6) contract is a split funding procurement consisting of FY01 funding for 260 kits and FY02 8383 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> 67		Page 1 of 1		

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**PRESIDENT'S BUDGET PRODUCTION SCHEDULE (EXHIBIT P- 21)** **DATE: JUNE 2001**

**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 2001												CALENDAR 2002												Later
					FY2001												FY2002												
					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 (1&2)																													
FY00 BOEING	AF	6958	0	6958								184	650	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	
FY00 (1) BOEING	AF	1478	0	1478																									
FY01 BOEING	AF	9013	0	9013																									
FY01 (2) BOEING	AF	260	0	260																									
FY02 BOEING	AF	8383	0	8383																									
FY03 BOEING	AF	8603	0	8603																									
FY04 BOEING	AF	8835	0	8835																									
FY05 BOEING	AF	8769	0	8769																									
FY06 BOEING	AF	4231	0	4231																									
TOTALS		56530	0	56530								184	650	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV.	PROC. QTY.	ACCEP. PRIOR TO 1 OCT.	BAL DUE AS OF 1 OCT.	CALENDAR 2003												CALENDAR 2004												Later
					FY2003												FY2004												
					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 (1&2)																													
FY00 BOEING	AF	6958	6958	0																									
FY00 (1) BOEING	AF	1478	1478	0																									
FY01 BOEING	AF	9013	5131	3882	1006	968	524	610	774																				
FY01 (2) BOEING	AF	260	0	260																									
FY02 BOEING	AF	8383	0	8383																									
FY03 BOEING	AF	8603	0	8603																									
FY04 BOEING	AF	8835	0	8835																									
FY05 BOEING	AF	8769	0	8769																									
FY06 BOEING	AF	4231	0	4231																									
TOTALS		56530	13567	42963	1006	968	524	610	774	602	602	476	564	836	836	836	836	836	792	836	836	591							

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	1400	PRIOR TO 1 OCT		AFTER 1 OCT	1 OCT
				INITIAL		UNK	6
				REORDER		UNK	5

**REMARKS:**  
 (1) 1478 units were procured with FY00 funding and will begin delivering in Mar 02.  
 (2) 260 units will be procured with FY01 funding and will begin delivering in Mar 03.  
 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: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> WIND CORRECTED MUNITIONS DISPENSER				
	<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>QUANTITY</b>	2,990	5,918	6,917	7,830	7,785	6,849	0	0
<b>COST (in Thousands)</b>	\$48,449	\$100,318	\$111,853	\$81,356	\$81,085	\$73,065	\$0	\$97
<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 FRP contract was awarded in March 2001.</p> <p>2. Seek Eagle funds are included in FY98 (\$4.012), FY04 (\$.134), and FY07 (\$.097) 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> <p>3. Note: Expendable test units not included in above quantities: 25 in FY00, and 21 in each year from FY01-FY05. Quantities identified in FY01 and FY02 do not match P1 quantities, but are based on the most current available data.</p> <p>4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
<b>P-1 ITEM NO:</b> 8				<b>PAGE NO:</b> 70		Page 1 of 1		

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<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)</b>							<b>DATE: JUNE 2001</b>						
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT							<b>P-1 NOMENCLATURE:</b> WIND CORRECTED MUNITIONS DISPENSER						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
HARDWARE				{41,930}			{83,407}			{100,184}			
WCMD KITS	A	2,990	13,956	41,729	5,918	14,039	83,085	6,917	14,335	99,154			
ECO				201			322			1,030			
PRODUCTION SUPPORT				{6,411}			{16,522}			{11,669}			
DATA				3			3			3			
SYSTEM TEST				1,625			2,817			1,502			
PROGRAM MANAGEMENT ADMINISTRATION				2,560			2,245			2,391			
OTHER COSTS (1)				2,223			11,457			7,773			
NONRECURRING HARDWARE				108			389						
<b>TOTALS:</b>				48,449			100,318			111,853			
<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> 71				Page 1 of 1			

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> JUNE 2001			
<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	16,204	AFMC/AAC	OPT/FFP	LOCKHEED-MARTIN/ORLANDO, FL	JUN 00	MAY 01			
FY01	5,918	16,951	AFMC/AAC	OPT/FFP	LOCKHEED-MARTIN/ORLANDO, FL	MAR 01	FEB 02			
FY02	6,917	16,171	AFMC/AAC	OPT/FFP	LOCKHEED-MARTIN/ORLANDO, FL	JAN 02	DEC 02	Y		
<p><b>REMARKS:</b> 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> 72		Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> CAD/PAD				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$13,271	\$13,150	\$18,170	\$13,397	\$14,074	\$14,220	\$14,455	\$14,757
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. FY 00 and 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 FY02 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> <li>4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 9			<b>PAGE NO:</b> 73			Page 1 of 1		

# UNCLASSIFIED



# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> EXPLOSIVES ORDNANCE DISPOSAL (EOD)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$4,706	\$3,498	\$1,421	\$2,744	\$3,201	\$2,989	\$3,047	\$3,103
<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). Items requested in FY2002 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.</p> <p>2. FY 2000 and FY 2001 funding for EOD items is included in P-1 Line 13, Items Less Than \$5M.</p> <p>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
<b>P-1 ITEM NO:</b> 10				<b>PAGE NO:</b> 75		Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: JUNE 2001		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)					
PROCUREMENT ITEMS	ID CODE	FY2000		FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CHARGE, DEMOLITION C4-M112 (M023)	A	146,078	\$3,065	154,362	\$2,395	33,418	\$500		
DYNAMITE, NITROGLYCERIN 60% (M587)	A	0	\$0	0	\$0	8,394	\$13		
DYNAMITE, AMONIA NITRATE 60% (MN32)	A	0	\$0	0	\$0	4,654	\$5		
EXPLOSIVE WATER GEL (MY77)	A	0	\$0	730	\$1	2,183	\$3		
ANDROS ROBOT	A	10	\$1,269	5	\$620	0	\$0		
EOD TRAINING AIDS	A	18	\$288	0	\$0	0	\$0		
MK1 WRENCH	A	22	\$84	11	\$78	0	\$0		
DETA SHEET (M980)	A	0	\$0	62	\$25	30	\$12		
DISRUPTOR, LIGHT WEIGHT (YY32)	A	0	\$0	2,115	\$175	2,272	\$188		
DISRUPTOR, MAIN CHARGE (YY33)	A	0	\$0	2,519	\$65	2,713	\$70		
SHOCK TUBE (YY34)	A	0	\$0	662	\$35	473	\$25		
SQUIB (YY35)	A	0	\$0	5,305	\$20	1,326	\$5		
RELOADER (ZY10)	A	0	\$0	227	\$4	0	\$0		
BLAST MACHINE	A	0	\$0	200	\$80	0	\$0		
DET CORD, 200 GRAIN (MU41)	A	0	\$0	0	\$0	80	\$6		
DEARMER, SMALL CALIBER	A	0	\$0	0	\$0	113	\$158		
CHARGE, DEMO SHAPED MK88 (M997)	A	0	\$0	0	\$0	612	\$35		
THERMITE SAFING SYSTEM	A	0	\$0	0	\$0	15	\$25		
XRAY MACHINE, SMALL	A	0	\$0	0	\$0	80	\$160		
FERROUS LOCATOR MK26	A	0	\$0	0	\$0	10	\$216		

**P-1 ITEM NO**  
10

**PAGE NO:**  
76

Page 1 of 2

# UNCLASSIFIED

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)							DATE: JUNE 2001		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)					
PROCUREMENT ITEMS	ID CODE	FY2000		FY2001		FY2002		FY2003	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
<b>Totals:</b>			\$4,706		\$3,498		\$1,421		
<b>Remarks:</b>									
	P-1 ITEM NO 10			PAGE NO: 77					Page 2 of 2

UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE: JUNE 2001</b>	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> SPARES AND REPAIR PARTS				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$2,239	\$3,314	\$2,727	\$3,453	\$3,044	\$3,110	\$3,496	\$3,555
<p><b>Description:</b></p> <p>Note: Correct P-1 nomenclature is Spares and Repair Parts, in lieu of Initial Spares as cited in P-1 Exhibit. Request funds be approved as Spares and Repair Parts.</p> <ol style="list-style-type: none"> <li>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.</li> <li>2. Items requested in FY02 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. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 11				<b>PAGE NO:</b> 78		Page 1 of 1		

# UNCLASSIFIED



# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE: JUNE 2001</b>	
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> MODIFICATIONS LESS THAN \$5 MILLION				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$0	\$195	\$211	\$205	\$197	\$217	\$939	\$958
<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. The FY02 funding request reflects estimated costs based on historical funding requirements.</p> <p>2. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
<b>P-1 ITEM NO:</b> 12			<b>PAGE NO:</b> 80			Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> ITEMS LESS THAN \$5,000,000, OTHER				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$6,482	\$8,243	\$1,633	\$243	\$283	\$238	\$242	\$288
<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. Items requested in FY 2002 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> <p>2. FY 2000 funding includes Explosive Ordnance Disposal (EOD) items. Beginning in FY 2001, funding was realigned to an independent EOD P-1 line item (P-1 line number 10).</p> <p>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
			<b>P-1 ITEM NO:</b> 13			<b>PAGE NO:</b> 81	Page 1 of 1	

# UNCLASSIFIED

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: JUNE 2001	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000, OTHER		
PROCUREMENT ITEMS	NSN	FY2002		FY2003	
		QTY.	COST	QTY.	COST
NUCLEAR TRAINER		10	\$1,307		
GRENAD, SPONGE NL 40MM-XM1006 (BA06)		1,071	\$30		
GRENAD, SIMULATOR (L601)		31,431	\$115		
SIGNAL (RED), GROUND ILLUMINATION (L306)		1,157	\$44		
SIGNAL (GREEN), GROUND ILLUMINATION (L314)		1,114	\$38		
DYNAMITE 60% (MN32)		930	\$1		
PEPPER SPRAY (KM01)		4,090	\$72		
PEPPER SPRAY POCKET (KM02)		1,480	\$26		
<b>TOTALS:</b>			\$1,633		
		P-1 ITEM NO 13			PAGE NO: 82
				Page 1 of 1	

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (OVERVIEW)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$26,619	\$39,330	\$108,965	\$62,660	\$52,596	\$53,993	\$55,017	\$55,614
<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 FY02 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. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 14			<b>PAGE NO:</b> 83			Page 1 of 1		

# UNCLASSIFIED



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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (MJU-7A/B IR FLARE - L463)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$2,353	\$14,306	\$31,450	\$15,315	\$8,462	\$4,858	\$4,263	\$4,259
<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> <li>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 14				<b>PAGE NO:</b> 85		Page 1 of 1		

# UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							DATE: JUNE 2001						
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			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	116,515	19.81	2,308	607,404	23.21	14,098	1,414,438	22.05	31,188			
PRODUCTION SUPPORT				{45}			{208}			{262}			
QUALITY ASSURANCE				12			5			5			
INDUSTRIAL STOCK SUPPORT				33			203			257			
<b>TOTALS:</b>				2,353			14,306			31,450			
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 86				Page 1 of 1			

# UNCLASSIFIED

# UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: JUNE 2001			
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 (1)	117	20.20	AFMC/OO-ALC	C/FP	MARTIN ELECTRONICS; PERRY, FL	MAY 00	JUN 02			
FY01	607	23.55	AFMC/OO-ALC	C/FP	UNKNOWN	SEP 01	MAR 02	Y		
FY02	1,414	22.23	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	MAR 03	Y		
<p><b>REMARKS:</b>                      (1) Martin Electronics, at their request, has been removed from the flare industrial base. Kilgore is negotiating with Martin Electronics for the purchase of their equipment and the balance of its delivery schedule.                      Quantity in thousands.</p>										
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 87				Page 1 of 1

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (LUU-1 ACFT FLARE - L660)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$331	\$3,322	\$6,697	\$2,375	\$1,600	\$1,600	\$1,600	\$1,600
<p><b>Description:</b></p> <p>1. The LUU-1 aircraft parachute flare is an aircraft launched target marking device flare. The flare may be delivered/launched from high-speed aircraft by use of SUU-25 flare dispenser. Because of extremely high velocity reaction forces involved in candle ejection, hand launching is not recommended. The pyrotechnic candle burns at the upper end, which is connected to the parachute, to reduce the possibility of extinguishing the flame on ground contact. The parachute is designed to provide a 30-foot per second rate of descent, and to snag in the top of heavy foliage, which is useful in jungle areas. The pyrotechnic candle produces a colored light with an average burning time of 30 minutes.</p> <p>2. This item is procured through the Single Manager for Conventional Ammunition (SMCA).</p> <p>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
<b>P-1 ITEM NO:</b> 14				<b>PAGE NO:</b> 88		Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)</b>										<b>DATE: JUNE 2001</b>			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT							<b>P-1 NOMENCLATURE:</b> FLARES (LUU-1 ACFT FLARE - L660)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			FY2001			FY2002			FY2003		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
LUU-1	A	316	1017.70	322	3,167	1032.40	3,270	6,317	1,049.92	6,632			
PRODUCTION SUPPORT			{9}			{52}			{65}				
QUALITY ASSURANCE			4			5			6				
ACCEPTANCE TESTING			0			0			4				
INDUSTRIAL STOCK SUPPORT			5			47			55				
<b>TOTALS:</b>				331			3,322			6,697			
<b>REMARKS:</b>													
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 89				Page 1 of 1			

# UNCLASSIFIED

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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)</b>							<b>DATE:</b> JUNE 2001			
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (LUU-1 ACFT FLARE - L660)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
LUU-1										
FY00	316	1,047.47	AFMC/OO-ALC	C/FP	UNKNOWN	AUG 01	FEB 03	Y		
FY01	3,167	1,048.94	AFMC/OO-ALC	C/FP	UNKNOWN	AUG 01	FEB 03	Y		
FY02	6,317	1,060.16	AFMC/OO-ALC	C/FP	UNKNOWN	MAR 02	SEP 03	Y		
<b>REMARKS:</b> FY00 and FY01 funding combined for economic order quantity procurement.										
		<b>P-1 ITEM NO</b> 14			<b>PAGE NO:</b> 90			Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES ( M206 FLARE - L410)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$5,067	\$0	\$22,611	\$15,639	\$8,000	\$6,998	\$7,000	\$7,000
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>2. This item is procured through the Single Manager for Conventional Ammunition (SMCA).</li> <li>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
			<b>P-1 ITEM NO:</b> 14			<b>PAGE NO:</b> 91	Page 1 of 1	

# UNCLASSIFIED

# UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)													DATE: JUNE 2001	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT							P-1 NOMENCLATURE: FLARES ( M206 FLARE - L410)							
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY2000			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	415,002	11.73	4,868				1,673,696	13.33	22,310				
PRODUCTION SUPPORT				{199}						{301}				
PRODUCTION ENGINEERING				116						104				
QUALITY ASSURANCE				12						12				
INDUSTRIAL STOCK SUPPORT				71						185				
<b>TOTALS:</b>		415,002		5,067				1,673,696		22,611				
<b>REMARKS:</b>														
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 92						Page 1 of 1		

# UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: JUNE 2001			
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	MARTIN ELECTRONICS; PERRY, FL	MAY 00	MAY 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		
<p><b>REMARKS:</b>                      (1) Martin Electronics, at their request, has been removed from the flare industrial base. Kilgore is negotiating with Martin Electronics for the purchase of their equipment and the balance of its delivery schedule.                      Quantity in thousands.</p>										
		<b>P-1 ITEM NO</b> 14				<b>PAGE NO:</b> 93				Page 1 of 1

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> LUU-19 FLARE (LA05)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$1,194	\$5,597	\$17,383	\$3,602	\$7,488	\$8,074	\$7,283	\$7,691
<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> <p>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
<b>P-1 ITEM NO:</b> 14				<b>PAGE NO:</b> 94		Page 1 of 1		

# UNCLASSIFIED



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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)							DATE: JUNE 2001			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: LUU-19 FLARE (LA05)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
LUU-19/B FLARE										
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	16,552	1,050.21	AFMC/OO-ALC	OPT/FP	THIOKOL CORP; BRINGHAM CITY, UT	JAN 02	AUG 02	Y		
<p><b>REMARKS:</b>                      (1) FY00 and FY01 will be 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.</p>										
		<b>P-1 ITEM NO</b> 14			<b>PAGE NO:</b> 96			Page 1 of 1		

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (MJU-23 FLARE - L462)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$1,654	\$0	\$9,264	\$3,400	\$1,857	\$2,400	\$2,400	\$1,300
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. The MJU-23 is an infrared countermeasure flare used on the B-1B aircraft against heat seeking missiles. The MJU-23 flare includes a specially designed high ejection cartridge (BBU-46) that propels the burning flare pellet upward with sufficient velocity to clear the aircraft during high speed, low level flight.</li> <li>2. This item is centrally procured by the Air Force.</li> <li>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
			<b>P-1 ITEM NO:</b> 14			<b>PAGE NO:</b> 97	Page 1 of 1	

# UNCLASSIFIED





# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> FLARES (ITEMS LESS THAN \$5 MILLION)				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$16,020	\$16,105	\$21,560	\$19,771	\$13,590	\$23,895	\$18,914	\$18.718
<p><b>Description:</b></p> <p>1. All listed items on the following P-40A-IL have a FY02 procurement value of less than \$5,000,000 and are Code A, except the F-22 MJU-39/40 flares which are Code B (Program Element 27219F). Items requested in FY02 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.</p> <p>2. FY02 funding procures the SUU-25 flare dispenser, personnel distress signal kit, LUU-2 flare, LUU-5 flare, ALA-17 flare, MJU-50/B Aste flare, and the MJU-39/40 F-22 flare.</p> <p>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p>								
<b>P-1 ITEM NO:</b> 14				<b>PAGE NO:</b> 100		Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: JUNE 2001	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)		
PROCUREMENT ITEMS	NSN	FY2002		FY2003	
		QTY.	COST	QTY.	COST
SUU-25 FLARE DISPENSER (L127)		45	\$800		
SIG KIT, PRSNL DISTRESS (L283)		46,480	\$2,354		
LUU-2 FLARE (L440)		5,778	\$4,683		
LUU-5 FLARE (L661)		508	\$547		
ALA-17 FLARE (LY12)		8,310	\$4,039		
MJU-50/B ASTE FLARE		76,429	\$4,815		
MJU-39/40 F-22 FLARES			\$4,322		
<b>TOTALS:</b>			\$21,560		
		P-1 ITEM NO 14			PAGE NO: 101
					Page 1 of 1

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE: JUNE 2001</b>		
<b>APPROP CODE/BA:</b> PAAF/MUNITIONS & RELATED EQUIPMENT				<b>P-1 NOMENCLATURE:</b> SMALL ARMS				
	<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>QUANTITY</b>								
<b>COST (in Thousands)</b>	\$2,957	\$3,985	\$2,401	\$1,909	\$2,403	\$2,021	\$2,021	\$2,023
<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. The items less than \$5 million category consists of various items used for air base defense and ground crew training, including accessories needed to improve or maintain existing weapons. Items requested in FY02 are identified on the accompanying P-40A-IL and are representative of items to be procured. Items actually procured during execution may change based on the most critical munitions/equipment needed to support current Air Force mission requirements.</li> <li>3. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</li> </ol>								
<b>P-1 ITEM NO:</b> 16				<b>PAGE NO:</b> 102		Page 1 of 1		

# UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)				DATE: JUNE 2001	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT			P-1 NOMENCLATURE: SMALL ARMS		
PROCUREMENT ITEMS	NSN	FY2002		FY2003	
		QTY.	COST	QTY.	COST
9MM COMPACT PISTOL		161	\$89		
WEAPONS CONTAINER		1,943	\$686		
AIMING CIRCLE (M2A2)		30	\$111		
NIGHT VISION PVS-4		81	\$607		
M-240 MACHINE GUN		98	\$898		
M4 CARBINES CORE EQUIPMENT		16	\$10		
<b>TOTALS:</b>			\$2,401		
		<b>P-1 ITEM NO</b> 16			<b>PAGE NO:</b> 103
				Page 1 of 1	

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