### **DEPARTMENT OF THE ARMY**

### **Procurement Programs**



Committee Staff Procurement Backup Book FY 2002 Amended Budget Submission

PROCUREMENT OF AMMUNITION, ARMY

### **PROCUREMENT OF AMMUNITION, ARMY**

### **APPROPRIATION LANGUAGE**

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities authorized by Section 2854, Title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for for the foregoing purposes; \$1,193,365,000 in fiscal year FY2002 to remain available for obligation until September 30, 2004.

# COMPARISON OF FY 2001 PROGRAM REQUIREMENTS AS REFLECTED IN THE FY 2001 BUDGET WITH THE FY 2001 PROGRAM REQUIREMENTS AS SHOWN IN THE FY 2002 AMENDED BUDGET SUMMARY OF REQUIREMENTS (In Millions of Dollars)

Appropriation Procurement of Ammunition, Army	FY 2001 Requirements Per FY 2001 Budget	FY 2001 Requirements Per FY 2002/FY 2003 Amended Budget	Increase or (Decrease)
Activity 1 - Ammunition	979	1,040	61
Activity 2 - Ammunition Production Support	153	169	16
Reimbursable Program	<u>400</u>	<u>400</u>	<u>0</u>
	1,532	1,609	77

### **EXPLANATION BY ACTIVITY**

Activity 1 - Ammunition - The net increase (\$+61.0) resulted from congressional adjustments to Ctg, .50 Cal, All Types (\$+6.0M); Ctg, .50 Cal, All Types (\$+1.0M); Ctg, 25mm, All Types (+\$8.6M); Ctg, 30mm, All Types (\$+5.0M); Ctg, 40mm, All Types (+\$2.0M); Nonlethal Weapons Capabilit Set (\$+2.0M); Ctg, 60mm Mortars, All Types (\$+5.0M); Ctg, Mortar, 120mm HE M934 (\$3.0M); Ctg, Mortar, 120mm Illum XM930 (+\$5.0M); Ctg, Artillery, 105mm DPICM XM915 (\$+7.0M); Ctg, Artillery 105mm M927 (+\$3.0M); Proj, Artillery, 155mm HE M107 (+\$5.0M); Modular Artillery Charge System (+\$12.5M); Mine AT M87 (VOLCANO) (\$+15.0M); Wide Area Munition (+\$12.0M) Bunker Defeating Munition (BDM) (\$+6.0M); Rocket Hydra 70, All Types (+\$4.0M); Demolition Munitions, All Types (+\$1.0M); and Grenades, All Types (+\$3.0M). These increases were offset by decreases of \$14.9M for the Projectile, Artillery, 155mm SADARM M898 and \$20.0M for the Remote Area Denial Artillery Munition (RADAM).

Reductions were made for economic assumptions (\$-7.3M) and the government-wide 1.5% reduction (\$-2.3M).

Activity 2- Ammunition Production Support- the net increase (\$3.0M) resulted from congressional adjustments to Provision of Industrial Facilities (\$+7.3M), and Armament Retooling and Manufacturing Support (ARMS) Initiative (+\$15.0).

Reductions were made for economic assumptions (\$-1.2M) and the government-wide 1.5% reduction (\$-0.4M).

# COMPARISON OF FY 2001 PROGRAM REQUIREMENTS AS REFLECTED IN THE FY 2002/FY 2003 BUDGET WITH THE FY2002 PROGRAM REQUIREMENTS AS SHOWN IN THE FY 2002 AMENDED BUDGET SUMMARY OF REQUIREMENTS (In Millions of Dollars)

Appropriation Procurement of Ammunition, Army	FY 2001 Requirements Per FY 2002 Amended Budget	FY 2002 Requirements Per FY 2002 Amended Budget	Increase or (Decrease)
Activity 1 - Ammunition	1,040	1,034	(6)
Activity 2 - Ammunition Production Support	169	160	(9)
Reimbursable Program	400	<u>460</u>	<u>60</u>
	1,609	1,654	(15)

### **EXPLANATION BY ACTIVITY**

Activity 1 = Decreases in Activity 1 reflect a slight decrease in requirements for small arms.

Activity 2 = Decreases in Activity 2 reflect a decreases in funding for Maintenance of Inactive Facilities and ARMS Initiative offset by increases to Provision of Industrial Facilities and Layaway of Industrial Facilities.

Reimbursable Program = FY01 reimbursable program increases reflecting a higher projection of orders.

Appropriation: \*\*AMMUNITION\*\*

Activity: 1. \*\*AMMUNI

	1	I	(DOLS)								
LINE	ITEM	l	FY 00		FY00		FY01	F	Y0;		
NO.	NOMENCLATURE	ID	UNIT COST	QTY	COST	QTY	COST	QTY			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)			
	**SMALL/MEDIUM CALIBER AMMUNITION**										
1	CTG, 5.56MM, ALL TYPES (E00700)	Α			84,721		96,861				
2	CTG 5.56MM ARMOR PIERCING M995 (F47600)	А		1,262	1,826	795	1,325	2,605			
3	CTG, 7.62MM, ALL TYPES (E02000)	Α			3,933		8,907				
4	CTG 7.62MM ARMOR PIERCING XM993 (F47500)	А		600	1,308			1,168			
5	CTG, 9MM, ALL TYPES (EA3000)	Α			1,155		2,465				
6	CTG, .50 CAL, ALL TYPES (E08000)	Α			19,725		16,493				
7	CTG CAL .50 API MK211 MOD 0 (F47400)	А				373	2,959	404			
8	CTG, 20MM, ALL TYPES (E08900)	Α			1		1,986				
9	CTG, 25MM, ALL TYPES (E08200)	Α			47,730		65,770				
10	CTG, 30MM, ALL TYPES (ER8120)	Α			6,519		14,383				
11	CTG, 40MM, ALL TYPES (ER8001)	Α			44,355		62,212				
12	NONLETHAL WEAPONS CAPABILITY SET (E91800)	В		5	7,712	5	10,302	5			
	SUB-ACTIVITY TOTAL				218,985		283,663				

Appropriation: \*\*AMMUNITION\*\*

Activity: 1. \*\*AMMUNI

			(DOLS)		(TI	(THOUSANDS OF DOLLARS)				
	ITEM	ı.	FY 00		FY 00		FY 01		FY (	
NO.	NOMENCLATURE	ID	UNIT COST	QTY	COST	QTY	COST	QTY		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
	**MORTAR AMMUNITION**									
13	60MM MORTAR, ALL TYPES (E89600)				23,611		33,363			
14	81MM MORTAR, ALL TYPES (E76000)				5,202		921			
	CTG MORTAR 120MM HE M934 W/MO FUZE (E25501)	Α		65	48,847	65	47,591	50		
	CTG MORTAR 120MM ILLUM XM930 W/MTSQ FZ (E25503)	В		4	11,385		4,954	2		
17	CTG 120MM WP SMOKE M929A1 (E91300)			64	59,034	15	24,739	11		
18	CTG 120MM MORTAR IR ILLUM M983 (E91500)							2		
	SUB-ACTIVITY TOTAL				 148,079		 111,568			
	**TANK AMMUNITION**									
19	CTG, TANK, 105MM HEP-T W/FUZE M393A2 (D24300)	Α						1		
20	CTG 120MM APFSDS-T M829A2/M829E3 (E78001)	Α		7	31,387			5		
21	CTG 120MM HEAT-MP-T M830A1 (E78007)	Α		2	17,241					
22	CTG TANK 120MM TP-T M831/M831A1 (E73300)	Α		57	35,208	87	48,033	86		
23	CTG TANK 120MM TPCSDS-T M865 (E73400)	Α		140	80,613 	199	100,580	198		
	SUB-ACTIVITY TOTAL				164,449		148,613			

Appropriation: \*\*AMMUNITION\*\*

Activity: 1. \*\*AMMUNI

			(DOLS)		(TI	HOUSAND	S OF DOLLAR	S)	
	ITEM NOMENCLATURE	ī	FY 00 UNIT		FY 00		FY 01		FY C
NO.	NOMENCLATURE	ID	COST	QTY	COST	QTY	COST	QTY	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
	**ARTILLERY AMMUNITION**								
24	CTG ARTY 75MM BLANK M337A1 (E15200)	Α		62	2,481	40	1,790	38	
25	CTG ARTY105MM BLANK M395 (E21200)	Α		121	6,540				
26	CTG ARTY 105MM DPICM M915 (E53500)	В		3	12,404		6,936		
27	CTG, ARTY 105MM M927 (E93300)	Α			293	4	2,972		
28	CTG ARTY 105MM ILLUM M314 SERIES (E21700)	Α		11	7,723		128	6	
29	PROJ ARTY 155MM SMOKE WP M825 (E67800)	Α			10,277		14,547		
30	PROJ ARTY 155MM HE M795 (E66800)	Α		20	9,783				
31	PROJ ARTY 155MM SADARM M898 (E66300)	В			14,938				
32	REMOTE AREA DENIAL ARTILLERY MUNITION (RADAM) (E67505)				8,187	59	27,419	104	
33	PROJ ARTY 155MM HE M107 (E27601)	Α		114	24,108	198	39,810	224	
34	MODULAR ARTILLERY CHARGE SYSTEM (MACS) (ER8021)	В		455	42,601	490	39,565	836	
	SUB-ACTIVITY TOTAL				139,335		133,167		
	**ARTILLERY FUZES**								
	ARTILLERY FUZES, ALL TYPES (ER8000) (E61200)				41,742		66,391		
	SUB-ACTIVITY TOTAL				 41,742		 66,391		

Appropriation: \*\*AMMUNITION\*\*

Activity: 1. \*\*AMMUNI

			(DOLS)				S OF DOLLAR	S)	
LINE NO.	ITEM NOMENCLATURE	ID	FY 00 UNIT	1	FY 00		FY 01		FY C
NO.	NOMENCLATURE	טו	COST	QTY	COST	QTY	COST	QTY	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
	**MINES**								
36	MINE, TRAINING, ALL TYPES (EA0800)				7,787		3,856		
37	MINE AT M87 (VOLCANO) (E72195)	А		4	18,000	3	14,862		
38	WIDE AREA MUNITIONS (E78100)	В		70	15,191	57	19,108		
	SUB-ACTIVITY TOTAL				40,978		37,826		
	**ROCKETS**								
39	BUNKER DEFEATING MUNITION (BDM) (E88400)	В			9,808		5,945		
40	ROCKET, HYDRA 70, ALL TYPES (E37300)	А			143,624		155,330		
	SUB-ACTIVITY TOTAL				153,432		161,275		
	**OTHER AMMUNITION**								
41	DEMOLITION MUNITIONS, ALL TYPES (E55400)	А			15,980		17,443		
42	GRENADES, ALL TYPES (E34000)	В			13,895		23,046		
43	SIGNALS, ALL TYPES (E46900)	Α			4,355		12,947		
44	SIMULATORS, ALL TYPES (315200)	Α			2,274		3,026		
	SUB-ACTIVITY TOTAL				36,504		56,462		
	**MISCELLANEOUS**								
45	AMMO COMPONENTS, ALL TYPES (EB0016)	Α			3,364		6,689		
46	CAD/PAD ALL TYPES (EA0003)	Α			1,889		4,258		

Appropriation: \*\*AMMUNITION\*\*

Activity: 1. \*\*AMMUNI

			(DOLS)						
LINE	ITEM	ID	FY 00		FY 00 FY 01			FY C	
NO.	. NOMENCLATURE		UNIT COST	QTY	COST	QTY	COST	QTY	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
47	ITEMS LESS THAN \$5 MILLION (EA0055)	А			13,251		10,053		
48	AMMUNITION PECULIAR EQUIPMENT (EA0575)	Α			9,596		9,389		
49	FIRST DESTINATION TRANSPORTATION (AMMO) (EA0550)	Α			6,829		5,071		
50	CLOSEOUT LIABILITIES (EA85000)						5,712 		
	SUB-ACTIVITY TOTAL				34,929		41,172		
	ACTIVITY TOTAL				978,433		1,040,137		

Appropriation: \*\*AMMUNITION\*\*

Activity: 2. \*\*AMMUNITION PRODUCTION BASE SUPPORT\*\*

			(DOLS)	(THOUSANDS OF DOLLARS)						
LINE	ITEM		FY 00		FY 00		FY 01		FY C	
NO.	NOMENCLATURE	ID	UNIT COST	QTY	COST	QTY	COST	QTY		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
( )	( )	( )	( )	( )	( )	( )	( )	( )		
	**PRODUCTION BASE SUPPORT**									
51	PROVISION OF INDUSTRIAL FACILITIES (EP1000)				48,492		50,282			
52	LAYAWAY OF INDUSTRIAL FACILITIES (EP2000)				10,631		3,185			
53	MAINTENANCE OF INACTIVE FACILITIES (EP1500)				13,587		12,155			
54	CONVENTIONAL AMMO DEMILITARIZATION (EP1800)				83,503		84,020			
55	ARMS INITIATIVE (EP2500)				26,779		19,538			
	SUB-ACTIVITY TOTAL				182,992		169,180			
	ACTIVITY TOTAL				182,992		169,180			
	APPROPRIATION TOTAL				1,161,425		1,209,317			

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1	E00700	CTG, 5.56MM, ALL TYPES	1
2	F47600	CTG 5.56MM ARMOR PIERCING M995	45
3	E02000	CTG, 7.62MM, ALL TYPES	46
4	F47500	CTG 7.62MM ARMOR PIERCING XM993	53
5	EA3000	CTG, 9MM, ALL TYPES	54
6	E08000	CTG, .50 CAL, ALL TYPES	56
7	F47400	CTG CAL .50 API MK211 MOD 0	73
8	E08900	CTG, 20MM, ALL TYPES	74
9	E08200	CTG, 25MM, ALL TYPES	76
10	ER8120	CTG, 30MM, ALL TYPES	94
11	ER8001	CTG, 40MM, ALL TYPES	102
12	E91800	NONLETHAL WEAPONS CAPABILITY SET	116
13	E89600	60MM MORTAR, ALL TYPES	122
14	E76000	81MM MORTAR, ALL TYPES	160
15	E25501	CTG MORTAR 120MM HE M934 W/MO FUZE	162
16	E25503	CTG MORTAR 120MM ILLUM XM930 W/MTSQ FZ	170
17	E91300	CTG 120MM WP SMOKE M929A1	178
18	E91500	CTG 120MM IR ILLUM XM983	186
19	E24300	CTG, 105MM, HEP-T, W/FUZE F/TANK M393	193
20	E78001	CTG 120MM APFSDS-T M829A2/M829E3	198
21	E78007	CTG 120MM HEAT-MP-T M830A1	205

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23	E73400	CTG TANK 120MM TPCSDS-T M865	214
24	E15200	CTG ARTY 75MM BLANK M337A1	219
25	E21200	CTG ARTY 105MM BLANK M395	220
26	E53500	CTG ARTY 105MM DPICM XM915	224
27	E93300	CTG ARTY 105MM M927	228
28	E21700	CTG ARTY 105MM ILLUM M314 SERIES	229
29	E67800	PROJ ARTY 155MM SMOKE WP M825	235
30	E66800	PROJ ARTY 155MM HE M795	236
31	E66300	PROJ ARTY 155MM SADARM M898	241
32	E67505	REMOTE AREA DENIAL ARTILLERY MUNITION (RADAM)	244
33	E27601	PROJ ARTY 155MM HE M107	250
34	ER8021	MODULAR ARTILLERY CHARGE SYSTEM (MACS)	257
35	ER8000	ARTILLERY FUZES, ALL TYPES	264
36	EA0800	MINE, TRAINING, ALL TYPES	281
37	E72195	MINE AT M87 (VOLCANO)	289
38	E78100	WIDE AREA MUNITIONS	294
39	E88400	BUNKER DEFEATING MUNITION (BDM)	300
40	E37300	ROCKET, HYDRA 70, ALL TYPES	307
41	E55400	DEMOLITION MUNITIONS, ALL TYPES	328
42	E34000	GRENADES, ALL TYPES	345

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45	EB0016	AMMO COMPONENTS, ALL TYPES	371
46	EA0003	CAD/PAD ALL TYPES	374
47	EA0055	ITEMS LESS THAN \$5 MILLION	375
48	EA0575	AMMUNITION PECULIAR EQUIPMENT	377
49	EA0550	FIRST DESTINATION TRANSPORTATION (AMMO)	378
50	EA8500	CLOSEOUT LIABILITIES	379
51	EP1000	PROVISION OF INDUSTRIAL FACILITIES	381
52	EP2000	LAYAWAY OF INDUSTRIAL FACILITIES	394
53	EP1500	MAINTENANCE OF INACTIVE FACILITIES	397
54	EP1800	CONVENTIONAL AMMO DEMILITARIZATION	399
55	EP2500	ARMS INITIATIVE	401

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Oate:	;	June 2001		
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army /1/AMMUNITION						P-1 Item Nomenclature CTG, 5.56MM, ALL TYPES (E00700)						
Program Elements for Code B Items: Code: Other R						ther Related Program Elements:						
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	1771.9	95.1	84.7	96.9	67.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1771.9	95.1	84.7	96.9	67.2							
Initial Spares												
Total Proc Cost	1771.9	95.1	84.7	96.9	67.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes 5.56MM ALL TYPES.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement o		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature IM, ALL TYPES (E			Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$000	\$000	x1000	\$000	\$000	x1000	\$000	\$000	x1000	\$000
CTG 5.56MM BALL M193		2100	10001	0.21	17								
CTG 5.56MM BALL M193 (A066)		7917 2080	49530	0.16	51	55220	0.11	0242	01222	0.10			
CTG 5.56MM BLANK M200 CTG 5.56MM BLANK M200 LINKED F/SAW		2080 8348	16001 31658	0.13 0.26	5900 14972	55228 60118	0.11 0.25	9242 1237	91222 2998				
CTG 5.56MM BALL M855 F/M16A2		23975	118129	0.20	31312		0.23	24595	107636				
CTG 5.56MM BALL M855 LINKED F/SAW		5677	19379	0.29	2020	4175	0.48	749	1642				
CTG 5.56MM 4 BALL/1 TR M856 F/SAW		14624	48746	0.30	36278	68972	0.53	24885	57794				
CTG 5.56MM RIFLE LNCHER, NON-LTHL XM95		- 1.	10,10		6311	79	79.89		82				
CTG 5.56MM BALL GREEN CLIP COMM PK		15000	57629	0.26									
CTG 5.56MM BALL GREEN LKD STD PAK		5000	13888	0.36									
Total		84721			96861			67241					

Ex	hibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	D	ate:	J	une 2001		
Appropriation/Budget Ad Procurement of Ammunition		ION				P-1 Item Non CTO		LANK M200 (E	E01100)			
Program Elements for Co	ode B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	3133758	64946	16001	55228	91222							
Gross Cost	291.7	10.2	2.1	5.9	9.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	291.7	10.2	2.1	5.9	9.2							
Initial Spares												
Total Proc Cost	291.7	10.2	2.1	5.9	9.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This cartridge is used for simulated firing in training maneuvers and for saluting purposes in the M16 Series Rifle and Squad Automatic Weapon. A blank-firing attachment on the weapon is required for firing automatic or semi-automatic weapons. The cartridge can be identified by the rose petal (rosette crimp) closure on the mouth and by the identification knurl about one-half inch from the base of the cartridge. The mouth of the cartridge is sealed and identified with lacquer. This item is Code A, approved for service use.

### Justification:

This is a training unique item; not used in combat. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE:

Prior to 1977

ACQUISITION MANAGER:

OSC, Rock Island, Illinois

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU!	NITION		tem Nomenclature IM BLANK M200 (E			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE		1765	16001	0.11	5220	55220	0.10	0557	91222	0.09			
Load, Assemble, and Pack Box Metal M2A1		91	16001	0.11 6.38	5329 318	55228 49	6.47	8557 534	91222				
SubTotal AMMO Hardware		1856		0.50	5647	.,	0.17	9091	01	0.50			
Sub I otal Alvilvio Hardware		1000			3047			9091					
<b>Production Support Costs</b>													
Production Engineering		130			155			66 9					
Quality Assurance Acceptance Testing		4 62			15			9					
Interim Transportation		1			1			1					
Industrial Stock Support		27			82			75					
SubTotal Prod. Support		224			253			151					
••													
Total		2080		0.13	5900		0.11	9242		0.10			
1 0tai		2080		0.13	5900		0.11	9242		0.10			

Exhibit P-5a, Budget Procur	ement History and Planning							Date:	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITI	ION	Weapon Syste	ет Туре:			tem Nomenc BLANK M200 (				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2000	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Mar 2000	Oct 2000	16001	0.11			
FY 2001	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Nov 2000	Oct 2001	55228	0.10	Y		
FY 2002	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Nov 2001	Oct 2002	91222	0.09	Y		
Box Metal M2A1										
FY 2000	Brockway Standard Homerville, GA	C/FP	OSC, Rock Island, IL	Mar 2000	Jul 2000	14	6.38			
FY 2001	TBS	C/FP	OSC, Rock Island, IL	May 2001	Jul 2001	49	6.47	Y		
FY 2002	TBS	C/FP	OSC, Rock Island, IL	Jan 2002	Jul 2002	81	6.58	Y		

TBS - To Be Selected

REMARKS:

	FY 01 / 02 BUDGET F	PROE	OUCTION	SCH	IEDUL:	E			tem N 5.56N				200 (E	0110	0)									Date	:			June	2001				
												Fis	scal Y	ear (	)1										Fiscal	l Ye	ar 02	2					
				S	PROC	ACCEP	BAL								Cal	endar	Year	r 01								Cal	lenda	ar Y	ear 02	2			L A
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	[ .	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack									$\dashv$		$\dashv$				$\dashv$								+		+	+	$\dashv$	$\dashv$				
		1	FY 00	A	16.0	0.0	16.0	1.7	1.5	0.6	1.7	1.3	1.6	0.9	1.3	0.8	1.5	2.0	1.1														0
		1	FY 01	A	55.2	0.0	55.2		A											4.6	4.6	5 4.6	4.	6 4.	6 4.	.6	4.6	4.6	4.6	4.6	4.6	4.6	0
		1	FY 02	A	91.2	0.0	91.2																										91.2
		1	FY 00	AF	5.5	0.0	5.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6																0
		1	FY 01	AF	13.2	0.0	13.2													1.1	1.1	1.1	1.	1 1.	1 1.	.1	1.1	1.1	1.1	1.1	1.1	1.1	0
		1	FY 00	MC	4.8	0.0	4.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4					L		L	$\perp$	_		_				0
		1	FY 01	MC	17.5	0.0	17.5			_										1.5	1.5	1.5	1.	5 1.	5 1.	.5	1.5	1.5	1.5	1.5	1.5	1.0	0
		1	FY 02	MC	14.6	0.0	14.6			_															_	┸			_				14.6
		1	FY 02	NS	1.1	0.0	1.1			_															┸	_	_		_				1.1
		1	FY 00	SOF	5.5	0.0		0.6	0.6	0.5	0.6	0.6	0.5	0.3	0.4	0.4	0.4	0.4	0.4			_		_	┸	_	_		_				0
L		1	FY 01	SOF	3.0	0.0	3.0			_										0.3	0.3	0.3	0.	3 0.	3 0.	.3	0.3	0.3	0.3	0.3	0.3	0.3	0
		1	FY 02	SOF	1.1	0.0	1.1																			_							1.1
										_															╄	_	_	_	_				
										_						_								_	╄	+	_	_	_				
										_														_	╄	_	_	_	_				
L										_												-		_	_	+	_		_				
L										_												_		_	_	+			_				
										_															-	+			_				
То	otal				228.7		228.7	3.2	3.0	2.1	3.2	2.8	3.1	2.2	2.7	2.2	2.9	2.8	1.5	7.5	7.5	7.5	7.	5 7.	5 7.	.5	7.5	7.5	7.5	7.5	7.5	7.0	108.0
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	Е	Α		P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			MI	FR						ADM	11NLE	AD T	IME			MFR	1		TOT	AL	Т	REM	/ARK	S				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	ter 1 C	ct	A	fter 1	Oct	1	After 1		4							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1		INIT					6			2			11			13		4							
1	Alliant Tech (LCAAP), Independence, MO		.00		21.20	68.30	5				RDER				6			2			11			13		4							
										INIT		_														4							
											RDER															4							
$\vdash$										INIT													$\vdash$			4							
$\vdash$										INIT	RDER															4							
											IAL RDER															┨							
										INIT																1							
											RDER												Н			1							
										ALLO:																							

	FY 03 / 04 BUDGET P	ROD	UCTION	SCH	<b>IEDUL</b> I	E			tem N 5.56N				200 (E	E0110	0)									Date:			Jun	e 200	1			
												Fi	scal Y	Year (	03									F	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 03								Cale	ıdar `	Year (	04			L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Т
Lo	ad, Assemble, and Pack											$\dashv$													+	+		+	H		H	
		1	FY 00	A	16.0	16.0	0.0																						Г			0
		1	FY 01	A	55.2	55.2	0.0																									0
		1	FY 02	A	91.2	0.0	91.2	7.6	7.6	7.3	7.6	7.6	7.6	7.6	7.6	7.6	7.4	7.6	8.1													0
		1	FY 00	AF	5.5	5.5	0.0																									0
		1	FY 01	AF	13.2	13.2	0.0																									0
		1	FY 00	MC	4.8	4.8	0.0																									0
		1	FY 01	MC	17.5	17.5	0.0																									0
		1	FY 02	MC	14.6	0.0	14.6	1.3	1.3	1.0	1.3	1.3	1.3	1.3	1.3	1.1	1.3	1.1	1.0													0
		1	FY 02	NS	1.1	0.0	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1														0
		1	FY 00	SOF	5.5	5.5	0.0																									0
		1	FY 01	SOF	3.0	3.0	0.0																						L			0
		1	FY 02	SOF	1.1	0.0	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1													0
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																													L			
То	tal				228.7	120.7	108.0	9.1	9.1	8.5	9.1	9.1	9.1	9.1	9.1	8.9	8.8	8.9	9.2										┡			
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y		J U L		Е	
M			PR	ODUCTI	ON RATES			Ml	FR.						ADN	ЛINLЕ	AD T	IME			MFR	l.		TOTA	<b>\</b> L	R	EMAI	RKS				
F							REACHED	Nun	nber					Pr	ior 1 C	)ct	Ai	fter 1 (	)ct	Α	fter 1	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1		INIT	IAL				6			2			11			13								
1	Alliant Tech (LCAAP), Independence, MO		.00		21.20	68.30	5	<u>'</u>			RDER				6			2			11			13		4						
Ш										INIT		_								_						4						
Ш											RDER															4						
Н										INIT																4						
Н											RDER															4						
Н										INIT		-														-						
Н										INIT:	RDER															-						
Н											IAL RDER															1						
										KEU.	KDEK																					

Exh	nibit P-40	, Budge	t Item J	ustifica	tion Sh	eet		Date:	J	June 2001		
Appropriation/Budget Act Procurement of Ammunition,		ION				P-1 Item Non CTO		BLANK M200 LI	NKED F/SAV	V (E01101)		
Program Elements for Co	de B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	251712	35419	31658	60118	2998							
Gross Cost	68.6	12.4	8.3	15.0	1.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	68.6	12.4	8.3	15.0	1.2							
Initial Spares												
Total Proc Cost	68.6	12.4	8.3	15.0	1.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 5.56MM blank M200 round is a standard blank cartridge currently used during training to simulate live-ammunition noises and flash. This round is linked in 200 round belts and loaded into a plastic ammunition container that attaches directly to the M249 Squad Automatic Weapon (SAW). Four plastic containers are packed in a PA108 container. The M249 SAW is a lightweight, belt-fed, one-man operable machine gun. This item is Code A, approved for service use.

### Justification:

This is a training unique item; not used in combat. FY 2002 procurements supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE:

1983

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUl	NITION		tem Nomenclature IM BLANK M200 LI		1101)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		7775	31658	0.25	14615	60118	0.24	1118	2998	0.37			
SubTotal AMMO Hardware		7775			14615			1118					
Production Support Costs Production Engineering Quality Assurance Acceptance Testing		128 4 328			109 36			106 4					
Industrial Stock Support		113			212			9					
SubTotal Prod. Support		573			357			119					
Total		8348		0.26	14972		0.25	1237		0.41			

Exhibit P-5a, Budget Procur	rement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNIT	ION	Weapon Syste	em Type:			tem Nomeno BLANK M200 I	lature: .INKED F/SAW (E01	101)		
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Is Date
Complete Round										
FY 2000	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Mar 2000	Oct 2000	31658	0.25			
FY 2001	Alliant Tech (LCAAP)	SS/FP	OSC, Rock Island, IL	Nov 2000	Oct 2001	60118	0.24	Y		
FY 2002	Independence, MO Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Nov 2001	Oct 2002	2998	0.37	Y		
EMARKS:										

	FY 01 / 02 BUDGET 1	PROE	OUCTION	SCE	IEDUL:	E			Item N 5.561				200 LI	INKE	D F/S	SAW	(E01	101)						Date	):			June	2001				
												Fi	scal Y	∕ear (	01										Fisca	ıl Ye	ear 0	2					
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 01								Ca	lenda	ar Y	ear 02	2			L
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	1 .	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Co	mplete Round																						┢		+	+							
		1	FY 00	A	31.70	0.00	31.70	2.00	2.80	1.40	3.00	1.60	2.50	2.80	3.00	2.30	2.00	4.10	4.20														0
		1	FY 01	A	60.18	0.00	60.18		Α											5.00	5.00	5.00	5.0	0 5.0	00 5.0	00 5	5.00	5.00	5.00	5.00	5.00	5.18	0
		1	FY 02	A	2.99	0.00	2.99																										2.99
		1	FY 01	AF	0.32	0.00	0.32													0.03	0.03	3 0.03	3 0.0	3 0.0	0.0	03 0	0.03	0.03	0.02	0.02	0.02	0.02	0
		1	FY 02	AF	1.42	0.00	1.42																L			┸			_				1.42
		1	FY 00	MC	16.50	0.00	16.50	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	0.50										_			_				0
		1	FY 01	MC	9.71	0.00	9.71				Щ									0.81	0.8	1 0.80	0.8	1 0.8	31 0.8	81 0	).81	0.81	0.81	0.81	0.81	0.81	0
		1	FY 02	MC	5.74	0.00	5.74																			┸							5.74
																										_							
																										┸							
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																										L							
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To	tal				128.56		128.56	4.00	4.80	3.40	5.00	3.60	4.50	4.80	5.00	2.80	2.00	4.10	4.20	5.84	5.84	4 5.83	3 5.8	34 5.8	34 5.8	34 5	5.84	5.84	5.83	5.83	5.83	6.01	10.15
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	Е		E	A		P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCT	ON RATES			M	FR						ADM	ЛINLЕ	AD T	IME			MFF	}		TOT	AL	T	REN	ИARЬ	S				
F							REACHED	Nun	nber					Pri	ior 1 O	)ct	Ai	fter 1 (	)ct	A	fter 1	Oct		After	l Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΊAL				6			2			11			13	3								
1	Alliant Tech (LCAAP), Independence, MO		.00		14.10	48.70	6		ı	REO	RDER				6			2			11			13	3	_							
Ш										INIT													┺			4							
Ш											RDER															4							
Ш										INIT													_			4							
Н											RDER															4							
Н										INIT													╄			4							
Н											RDER															$\dashv$							
Н										INIT			$\vdash$										+			4							
										REO	RDER																						

	FY 03 / 04 BUDGET F	PROD	OUCTION	SCE	IEDUL	E					nclatu BLAN		200 Ll	INKE	ED F/S	SAW	(E01	101)						Date:			Jun	e 200	1			
												Fi	scal Y	(ear	03									I	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cal	endaı	r Yea	r 03								Cale	ıdar `	Year (	04			L A
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Т
Co	mplete Round																									H			H		H	
		1	FY 00	A	31.70	31.70	0.00																									0
		1	FY 01	A	60.18	60.10	0.00																									0
		1	FY 02	A	2.99	0.00	2.99	0.25	0.25	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.25	0.26													0
		1	FY 01	AF	0.32	0.32	0.00																									0
		1	FY 02	AF	1.42	0.00	1.42	0.12	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.12	0.12													0
		1	FY 00	MC	16.50	16.50	0.00																									0
		1	FY 01	MC	9.71	9.71	0.00				Ш													$\perp$	╙	┺		$\perp$	┖	$\perp$		0
		1	FY 02	MC	5.74	0.00	5.74	0.50	0.50	0.37	0.50	0.50	0.50	0.50	0.50	0.50	0.37	0.50	0.50							_			L			0
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											Ш														╙	┸			L			
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To	al				128.56	118.33	10.15	0.87	0.87	0.72	0.87	0.87	0.87	0.87	0.87	0.87	0.72	0.87	0.88						-	_			⊢			
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y		J U L		Е	
M			PR	ODUCT	ON RATES			Ml	FR						ADN	MINLE	EAD T	IME			MFR	₹		TOTA	L	R	EMAI	RKS				
F							REACHED	Nun	nber					Pr	ior 1 C	Oct	A	fter 1 (	)ct	A	fter 1	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	TAL				6			2			11			13		1						
1	Alliant Tech (LCAAP), Independence, MO		.00		14.10	48.70	6	1	1	REO	RDER				6			2			11			13								
										INIT	TAL																					
										REO	RDER																					
Ш										INIT																4						
Ш											RDER															4						
Ш										INIT										_						4						
Н											RDER															-						
Н										INIT										$\vdash$						-						
										REO	RDER																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Da	ate:	J	une 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Non CTO		ALL M855 F/M	16A2 (E04601	.)		
Program Elements for Cod	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1089347	89967	118129	148243	107636							
Gross Cost	297.2	31.0	24.0	31.3	24.6							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	297.2	31.0	24.0	31.3	24.6							
Initial Spares												
Total Proc Cost	297.2	31.0	24.0	31.3	24.6							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M855 ball has a steel conical insert in the ogive of the bullet which increases the helmet-penetration range substantially compared to the 5.56MM M193 ball round. This cartridge is identified by a green bullet tip and is intended for use against personnel and non-armored targets. This item is used in the M16A2 rifle. This item is Code A, approved for service use.

#### Justification:

This is a training standard item used in both training and combat. FY 2002 procurement supports annual peacetime training and builds a war reserve inventory in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE:

1982

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Cost Elements	: 2001	Date: June 2	Гуре:	Weapon System T			tem Nomenclature IM BALL M855 F/M		NITION	ity/Serial No. , Army / 1 / AMMU		Appropriation/B Procurement o		Exhibit P-5, Weapon AMMO Cost Analysis
South   Sout		FY 03			FY 02			FY 01			FY 00		ID	AMMO
MMUNTION RARDWARE	UnitCost	Qty	TotalCost	UnitCost	Qty	TotalCost	UnitCost	Qty	TotalCost	UnitCost	Qty	TotalCost	CD	Cost Elements
Load, Assemble, and Pack	\$	x1000	\$000	\$	x1000	\$000	\$	x1000	\$000	\$	x1000	\$000		
Box Metal M2A1				0.22	107626	22422	0.20	140242	20515	0.10	110120	22490		
SubTotal AMMO Hardware   22910   30686   23854														
Production Support Costs         303         92         326           Production Engineering         303         92         326           Quality Assurance         3         77         14           Acceptance Testing         412         1           Interim Transportation         15         12         1           Industrial Stock Support         332         445         198           Sub Total Prod. Support         1065         626         539           COST - Nonrecurring         202           Value Engineering Change Proposal         202								-						
Production Engineering   303   92   326						20001			20000			22,10		
Quality Assurance         3         77         14           Acceptance Testing         412         1           Interim Transportation         15         12         1           Industrial Stock Support         332         445         198           Sub Total Prod. Support         1065         626         539           COST - Nonrecurring         Value Engineering Change Proposal         202						226			02			202		
Acceptance Testing														
Interim Transportation 15 12 198 198 Sub Total Prod. Support 1065 626 539 COST - Nonrecurring Value Engineering Change Proposal 202						14			, ,					
Sub Total Prod. Support  COST - Nonrecurring Value Engineering Change Proposal  202						-						15		Interim Transportation
COST - Nonrecurring Value Engineering Change Proposal  202						198			445			332		Industrial Stock Support
Value Engineering Change Proposal  202						539			626			1065		Sub Total Prod. Support
Value Engineering Change Proposal  202														COST - Nonrecurring
						202								Value Engineering Change Proposal
Total 23975 0.20 31312 0.21 24595 0.23				0.23		24595	0.21		31312	0.20		23975		Total

Exhibit P-5a, Budget Procurem	ent History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	ет Туре:			tem Nomenc BALL M855 F/N	elature: M16A2 (E04601)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2000	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Mar 2000	Sep 2000	118129	0.19			
FY 2001	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Mar 2001	Oct 2001	148243	0.20	Y		
FY 2002	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Nov 2002	Oct 2002	107636	0.22	Y		
Box Metal M2A1										
FY 2000	Brockway Standard Homerville, GA	C/FP	OSC, Rock Island, IL	Mar 2000	Jul 2000	69	6.28			
FY 2001 FY 2002	TBS TBS	C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL	May 2001 Jan 2002	Jul 2002	181 66	6.47 6.58	YY		

E00700 (E04601) CTG 5.56MM BALL M855 F/M16A2

TBS - To Be Selected

REMARKS:

	FY 01 / 02 BUDGET PI	ROL	UCTION	SCE	IEDUL	E			tem N 5.561				5 F/M	[16A2	2 (E04	1601)								Date:			Jun	e 200	1			
												Fi	scal Y	Year (	01									F	iscal	Year	02					
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 01								Caler	dar Y	Year (	02			L A
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack																									H			H	$\vdash$		
		1	FY 00 P	A	5.7	0.0	5.7	3.1	2.6																							0
		1	FY 00	A	118.0	7.0	111.0	6.0	11.0	3.5	12.0	9.5	9.9	11.0	13.0	8.9	7.6	12.0	6.6													0
		1	FY 01	A	148.0	0.0	148.0						Α							13.0	12.0	12.0	13.0	12.0	12.0	12.0	13.0	12.0	12.0	0 13.0	12.0	0
		1	FY 02	A	108.0	0.0	108.0																									108.0
		1	FY 00 P	AF	0.2	0.0	0.2	0.2																								0
		1	FY 00	AF	5.5	0.0		0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.7			Ш														0.0
		1	FY 01	AF	4.8	0.0	4.8													0.4	0.4	0.4	0.4	1 0.4	1 0.4	1 0.4	0.4	1 0.4	0.4	4 0.4	0.4	. 0
		1	FY 02	AF	2.7	0.0	2.7																						L			2.7
		1	FY 01	MC	30.4	0.0	30.4													2.6	2.6	2.2	2.6	5 2.6	5 2.6	5 2.6	2.6	5 2.6	2.2	2 2.6	2.6	0
		1	FY 00	SOF	8.3	0.0	8.3	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.6	0.6													0.0
		1	FY 01	SOF	6.2	0.0	6.2													0.5	0.5	0.5	0.5	0.5	0.5	5 0.5	0.5	5 0.5	0.5	5 0.5	0.5	0
		1	FY 02	SOF	6.2	0.0	6.2																									6.2
То	tal				443.9	7.0	436.9	10.3	15.1	5.0	13.5	10.9	11.3	12.4	14.4	9.6	8.4	12.6	7.2	16.5	15.5	15.1	16.5	15.5	15.5	5 15.5	16.5	5 15.5	15.	1 16.5	15.5	116.9
								О	N	D	J	F	M	A	M	J	J	A	S	О	N	D	J	F	M	Α	M	J	J	Α	S	
								C	О	Е	A	Е	Α	P	Α	U	U	U	Е	C	О	Е	Α	Е	Α	P	Α	U	Ü	U	Е	
								T	V	С	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
M			PR	ODUCTI	ON RATES			M	FR						ADN	ЛINLЕ	AD T	IME			MFR			ТОТА	L	R	EMAF	RKS				
F							REACHED	Nur	nber					Pr	ior 1 O	)ct	Af	fter 1 O	ct	Αí	ter 1 (	Oct	Α	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	TAL				6			2			11			13		]						
1	Alliant Tech (LCAAP), Independence, MO		.00		19.40	67.50	6		1	REO	RDER				6			2			11			13								
										INIT	TAL															]						
										REO	RDER																					
										INIT																1						
Ш											RDER															4						
Ш										INIT																4						
											RDER															4						
Ш								l		INIT																4						
										REO	RDER															1						

	FY 03 / 04 BUDGET I	PROE	OUCTION	SCF	IEDUL	E			tem N 5.561				5 F/M	16A2	2 (E04	1601)								Date:			June	e 2001	ļ			
												Fi	scal Y	ear (	03									F	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 03								Calen	dar Y	Year (	4			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack																							$\vdash$	$\vdash$							
		1	FY 00 P	A	5.7	5.7	0.0																									0
		1	FY 00	A	118.0	118.0	0.0																									(
		1	FY 01	A	148.0	148.0	0.0																									(
		1	FY 02	A	108.0	0.0	108.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0													(
		1	FY 00 P	AF	0.2	0.2	0.0																									(
		1	FY 00	AF	5.5	5.5																										0.0
		1	FY 01	AF	4.8	4.8	0.0																									0
		1	FY 02	AF	2.7	0.0	2.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2													0
		1	FY 01	MC	30.4	30.4	0.0																									0
		1	FY 00	SOF	8.3	8.3	0.0																									0.0
		1	FY 01	SOF	6.2	6.2	0.0																									(
		1	FY 02	SOF	6.2	0.0	6.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5													0
																													L			
To	tal				443.9	327.0	116.9	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.8	9.8							_						0.0
								О	N	D	J	F	M	A	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	
								C	0	Е	Α	Е		P	A	U	U	U	E	C	0	Е	Α	Е	A	P	A	U		U	E	
								T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
M			PF	ODUCT:	ON RATES			M	FR						ADN	ИINLE	AD T	IME			MFR			TOTA	L	RI	EMAR	KS				
F							REACHED	Nun	nber					Pr	ior 1 C	)ct	Af	fter 1 C	ct	A	fter 1 (	Oct	Α	fter 1		4						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1	1	INIT					6			2			11			13		-						
1	Alliant Tech (LCAAP), Independence, MO		.00	-	19.40	67.50	6	L			RDER				6			2			11			13		4						
				-						INIT			_													-						
											RDER															4						
										INIT	TAL RDER															-						
								$\vdash$		INIT																1						
											RDER	-	-													1						
										INIT																1						
											RDER															1						
			1	1																						1						

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	I	Date:	J	une 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		TION				P-1 Item Nom CTO		BALL M855 LIN	KED F/SAW (	(E04603)		
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	55746	17761	19379	4175	1642							
Gross Cost	20.5	8.0	5.7	2.0	0.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	20.5	8.0	5.7	2.0	0.7							
Initial Spares												
Total Proc Cost	20.5	8.0	5.7	2.0	0.7							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Squad Automatic Weapon (SAW) ball round, M855, has a steel, conical insert in the ogive of the bullet. This round will be linked in 200 round belts using the M27 link. This item is code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. This round is used primarily for training in areas where a fire hazard exists if the tracer round were to be used. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1982

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/E Procurement o		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature IM BALL M855 LIN		03)	Weapon System	Гуре:	Date: June 2	2001
<b>AMMO</b> ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round	5300	19379	0.27	1906	4175	0.46	690	1642	0.42			
SubTotal AMMO Hardware	5300			1906			690					
Production Support Costs												
Production Engineering	142			82			49					
Quality Assurance	4			4			4					
Acceptance Testing	154											
Industrial Stock Support	77			28			6					
SubTotal Prod. Support	377			114			59					
Total	5677		0.29	2020	ı	0.48	749	I	0.46		1	

Exhibit P-5a, Budget Procurement I Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION	instory and riamning	Weapon Syste	rm Type:			tem Nomeno	clature: NKED F/SAW (E046)		une 2001	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Complete Round										
FY 2000	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Mar 2000	Sep 2000	19379	0.27			
FY 2001	Alliant Tech (LCAAP)	SS/FP	OSC, Rock Island, IL	Feb 2001	Oct 2001	4175	0.46	Y		
FY 2002	Independence, MO Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Nov 2001	Oct 2002	1642	0.42	Y		
EMARKS:										

	FY 01 / 02 BUDGET I	PROD	UCTION	SCH	IEDUL	E			tem N 5.56N				5 LIN	KED	F/SA	.W (E	0460	3)						Date:			Jur	ie 200	1			
												Fis	scal Y	∕ear (	)1									]	Fiscal	Year	r 02					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 01								Cale	ndar	Year (	)2			L ^
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Co	nplete Round												$\dashv$											+	+	╁	+	+	Н			
		1	FY 00	A	19.40	1.90	17.50	0.90	2.10		0.20	1.20	1.10	1.90	1.90	2.00	1.80	2.40	2.00													0
		1	FY 01	A	4.18	0.00	4.18					Α								0.35	0.35	0.34	0.3	5 0.3	5 0.3	5 0.3	5 0.3	5 0.35	0.34	1 0.35	0.35	0
		1	FY 02	A	1.64	0.00	1.64																									1.64
		1	FY 00	AF	4.54	0.00	4.54	0.98	0.98	0.52	0.98	0.98	0.10																			0
		1	FY 01	AF	3.42	0.00	3.42													0.29	0.29	0.26	0.29	9 0.2	9 0.2	9 0.2	9 0.2	9 0.29	0.26	6 0.29	0.29	0
To	al				33.18	1.90	31.28	1.88	3.08	0.52	1.18	2.18	1.20	1.90	1.90	2.00	1.80	2.40	2.00	0.64	0.64	1 0.60	0.64	4 0.6	4 0.6	4 0.6	4 0.6	4 0.64	0.60	0.64	0.64	1.64
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	Α	U	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	ИINLE	AD T	IME			MFR	l.		TOTA	AL	F	REMAI	RKS				
F							REACHED	Nun	nber					Pri	ior 1 O	oct	Ai	fter 1 (	Oct	A	fter 1	Oct	A	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				6			2			11			13								
1	Alliant Tech (LCAAP), Independence, MO		.00		15.08	52.10	6	1		REO	RDER				6			2			11			13								
Ш										INIT	IAL															1						
Ш										REO	RDER																					
Ш										INIT										oxdot												
Ш											RDER															4						
Ш										INIT		_	_													4						
Н											RDER															4						
Н										INIT		_	_							$\vdash$						-						
										REO	RDER																					

	FY 03 / 04 BUDGET PF	ROD	UCTION	SCH	I <b>EDU</b> L1	E			Item N 5.56N				5 LIN	KED	F/SA	W (E	0460	3)						Date:			Jun	e 2001	Į			
												Fi	scal Y	ear (	03									F	iscal	Year	04					
				S	PROC	ACCEP	BAL				Щ.				Cal	endar	r Yea	r 03								Caler	dar Y	Year (	4			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	mplete Round										Н													$\vdash$								
	•	1	FY 00	A	19.40	19.40	0.00																									0
		1	FY 01	A	4.18	4.18	0.00																						Г			0
		1	FY 02	A	1.64	0.00	1.64	0.15	0.15	0.07	0.15	0.15	0.15	0.15	0.15	0.15	0.07	0.15	0.15													0
		1	FY 00	AF	4.54	4.54	0.00																									0
		1	FY 01	AF	3.42	3.42	0.00																									0
То	tal				33.18	31.54	1.64	0.15	0.15	0.07	0.15	0.15	0.15	0.15	0.15	0.15	0.07	0.15	0.15													
								O C T	N O V	D E C		F E B	M A R	A P R	M A Y		J U L		S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			Ml	FR						ADN	ЛINLЕ	EAD T	IME			MFR			ТОТА	L	R	EMAF	KS				
F							REACHED	Nun	nber					Pr	ior 1 C	oct	A:	fter 1 (	Oct	At	fter 1	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	TAL				6			2			11			13								
1	Alliant Tech (LCAAP), Independence, MO		.00		15.08	52.10	6	1	I	REO	RDER				6			2			11			13		_						
Ш										INIT																1						
Ш											RDER															4						
Ш										INIT																4						
Ш								_			RDER															4						
Н										INIT																-						
Н											RDER															-						
Н										INIT																-						
										REO	RDER																					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Oate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom CTO		BALL M855/1	TRACER M85	56 F/SAW (E0	)4604)	
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	329790	28782	48746	68972	57794							
Gross Cost	126.8	16.0	14.6	36.3	24.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	126.8	16.0	14.6	36.3	24.9							
Initial Spares												
Total Proc Cost	126.8	16.0	14.6	36.3	24.9							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M855 ball and M856 tracer rounds are linked for use in the lightweight, one-man operable M249 Squad Automatic Weapon (SAW). The ball round has a steel, conical insert in the ogive of the bullet, which increases helmet penetration substantially compared to the 5.56MM, M193 ball round. The tracer round M856 has a longer tracer column and an improved pyrotechnic mixture, which results in an increased daylight trace range compared to the 5.56MM M196 tracer round. The rounds are linked in a 200 round belt using the M27 link and are loaded into a plastic container which attaches directly to the M249 SAW. This item is Code A, approved for service use.

#### **Justification**:

This is a training standard item used in both training and combat. FY 2002 procurement supports annual peacetime training and builds a war reserve inventory in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1982

. 1702

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature IM 4 BALL M855/1 ' 4604)			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		14370	48746	0.29	35707	68972	0.52	24511	57794	0.42			
SubTotal AMMO Hardware		14370			35707			24511					
Production Support Costs Production Engineering Quality Assurance		25 5			44 9			167 4					
Acceptance Testing Industrial Stock Support		16 208			518			203					
SubTotal Prod. Support		254			571			374					
Total		14624		0.30	36278		0.53	24885		0.43			

	Weapon Syste	em Type:			tem Nomenc				
				CTG 5.56MM	4 BALL M855/1	TRACER M856 F/S	AW (E04604	)	
Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Alliant Tech (LCAAP)	SS/FP	OSC, Rock Island, IL	Mar 2000	Dec 2000	48746	0.29			
Alliant Tech (LCAAP)	SS/FP	OSC, Rock Island, IL	Mar 2001	Oct 2001	68972	0.52	Y		
Alliant Tech (LCAAP)	SS/FP	OSC, Rock Island, IL	Nov 2001	Oct 2002	57794	0.42	Y		
	Alliant Tech (LCAAP) Independence, MO	Alliant Tech (LCAAP) Independence, MO Alliant Tech (LCAAP) Independence, MO Alliant Tech (LCAAP) Independence, MO Alliant Tech (LCAAP) SS/FP	Alliant Tech (LCAAP) Independence, MO Alliant Tech (LCAAP) SS/FP OSC, Rock Island, IL	Alliant Tech (LCAAP) Independence, MO Alliant Tech (LCAAP) Independence, MO Alliant Tech (LCAAP) Independence, MO Alliant Tech (LCAAP) SS/FP OSC, Rock Island, IL Mar 2001 Mar 2001 OSC, Rock Island, IL Nov 2001	Contractor and Location  Contract Method and Type  Alliant Tech (LCAAP) Independence, MO  SS/FP  OSC, Rock Island, IL  Mar 2000  Dec 2000  Oct 2001  Independence, MO  Alliant Tech (LCAAP) SS/FP  OSC, Rock Island, IL  Nov 2001 Oct 2002	Contract and Location  Contract Method and Type  Alliant Tech (LCAAP) Independence, MO  SS/FP  OSC, Rock Island, IL  Mar 2000  Mar 2001  Oct 2001  68972  Independence, MO  Alliant Tech (LCAAP)  SS/FP  OSC, Rock Island, IL  Nov 2001  Oct 2002  57794	Contract Method and Type  Contract Method and Type  Alliant Tech (LCAAP) Independence, MO SS/FP OSC, Rock Island, IL Mar 2000  Mar 2001 Oct 2001 Oct 2001 Oct 2001 Oct 2002 Oct 2002 Oct 2002 Oct 2002 Oct 2003 Oct 2004 Oct 2004 Oct 2004 Oct 2004 Oct 2005 Oct 2006 Oct	Contract Method and Type  Contract Method and Type  Location of PCO  Award Date  Date of First Delivery  x 1000  Sees Avail Now?  Alliant Tech (LCAAP) Independence, MO  Alliant Tech (LCAAP) Independence, MO  Alliant Tech (LCAAP) SS/FP OSC, Rock Island, IL Mar 2000  Mar 2001 Oct 2001 68972 0.52 Y Independence, MO  Alliant Tech (LCAAP) SS/FP OSC, Rock Island, IL Nov 2001 Oct 2002 57794 0.42 Y	Alliant Tech (LCAAP) Independence, MO Alliant Tech (LCAAP) Independence, MO SS/FP OSC, Rock Island, IL Mar 2000 Dec 2000 Mar 2001 Mar 2001 Oct 2001 Oct 2001 Oct 2002 Oct 2003

	FY 01 / 02 BUDGET P	ROL	UCTION	SCH	IEDUL:	E			Item N 5.56N				355/1	TRAG	CER I	M856	F/SA	W (E	04604	4)				Date:			Jun	e 2001	l			
												Fi	scal Y	Year (	01									F	`iscal	Year	02					
				S	PROC	ACCEP	BAL								Cal	endar	Year	r 01								Caler	dar Y	Year (	)2			Ļ
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Co	mplete Round																															
		1	FY 00 P	A	11.5	0.0	11.5	2.0	0.5	2.7									2.3	4.0												0
		1	FY 00	A	48.7	0.0	48.7			0.5		5.3	4.0	6.4	9.8	5.0	4.6	5.4	7.7													0
		1	FY 01	A	69.0	0.0	69.0						A							5.7	5.8	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.5	5.8	5.8	0
		1	FY 02	A	57.8	0.0	57.8																			_						57.8
		1	FY 00 P	AF	2.2	1.9		0.3	Ш																				$ldsymbol{ldsymbol{ldsymbol{eta}}}$			0
		1	FY 00 P	AF	0.7	0.0		0.1	0.1	0.1	0.1	0.1	0.2																			0
		1	FY 01	AF	2.2	0.0	2.2				Ш									0.2	0.2	0.1	0.2	2 0.2	0.2	2 0.2	0.2	0.2	0.1	0.2	0.2	0
$ldsymbol{ldsymbol{ldsymbol{eta}}}$		1	FY 00	MC	20.3	0.0	20.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.7				_					_				0
		1	FY 01	MC	17.4	0.0	17.4													1.5	1.5	1.2	1.5	1.5	1.5	5 1.5	1.5	1.5	1.2	1.5	1.5	0
_		1	FY 02	MC	8.8	0.0					Ш															_						8.8
		1	FY 00 P	SOF	0.7	0.0	0.7	0.7			Ш													_		_						0
		1	FY 00 P	SOF	4.2	0.0		1.9	-1-		1.2	1.0	1.8	1.0	1.0	1.0	0.7	1.0	0.9	5.2	1.8	3			_							0
		1	FY 01	SOF	4.0	0.0	4.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3						_							0
		1	FY 02	SOF	3.0	0.0	3.0																	_	_							3.0
																									_							
																								_	_	_			_			
_																								_	_	_			_			
																								_	_							
То	tal				250.5	1.9	266.7	7.0	3.9	7.9	3.4	8.5	8.0	9.5	12.9	8.0	7.3	8.5	12.9	16.6	9.3	6.9	7.5	7.5	7.5	7.5	7.5	7.5	6.8	7.5	7.5	69.6
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N		M A R		M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADN	4INLE	AD T	IME			MFR			TOTA	L	R	EMAF	RKS				
F							REACHED	Nun	nber					Pr	ior 1 C	ct	Af	ter 1 C	ct	Af	fter 1	Oct	Α	fter 1	Oct	_						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1	,	INIT	ΊAL				6			2			11			13		4						
1	Alliant Tech (LCAAP), Independence, MO		.00		11.50	39.30	0		1		RDER				6			2			11			13		4						
Ш										INIT																4						
Н											RDER															-						
Н										INIT																-						
Н											RDER															-						
Н										INIT	TAL RDER															-						
Н										INIT																1						
Н											RDER	$\dashv$														1						
										KEU	NDEK																					

Г	FY 03 / 04 BUDGET PRO	DUCTIO	N SCI	HEDUL	E			Item N 5.561				355/1	TRAG	CER N	M856	F/SA	W (E	0460-	4)				Date:			Jun	e 200	1			
											Fi	scal Y	Year (	03			,						I	iscal	Year	· 04					
			c	DDOG	A CCEP	DAT								Calo	endar	· Yea	r 03								Cale	ndar	Year (	04			Ļ
	COST ELEMENTS  M F R	FY	S E R V	PROC QTY x1Mil	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Co	omplete Round																											H			
	1	FY 00 P	A	11.5	11.5	0.0																									0
	1	FY 00	Α	48.7	48.7	0.0																									0
	1	FY 01	Α	69.0	69.0	0.0																									0
	1	FY 02	Α	57.8	0.0	57.8	5.0	5.0	3.8	5.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0													0
	1	FY 00 P	AF	2.2	2.2	0.0																									0
	1	FY 00 P	AF	0.7	0.7	0.0																						L			0
	1	FY 01	AF	2.2	2.2	0.0																			L			L			0
	1	FY 00	MC	20.3	20.3	0.0																			L			L			0
	1	FY 01	MC	17.4	17.4																				┖			L			0
	1	FY 02	MC	8.8	0.0	8.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.8	0.8							┖			L			0
	1	FY 00 P	SOF	0.7	0.7	0.0																			┖			┖			0
	1	FY 00 P	SOF	4.2	4.2																										0
	1	FY 01	SOF	4.0	4.0																				_			_			0
	1	FY 02	SOF	3.0	0.0	3.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3									_		_		0
																											_	┖	_		
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																											_		_		
To	otal			250.5	180.9	69.6	6.1	6.1	4.5	6.1	6.1	6.1	6.1	6.1	6.1	4.6	6.1	6.1							┡			_			
							О	N	D	J	F	M	A	M	J	J	Α	S	О	N	D	J	F	M		M		J	Α	S	
							C	0	Е	Α	Е	A	P	Α	U	U		Е	C	0	Е	Α	Е	Α		A	U		U	Е	
							T	V	С	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
M			PRODUCT	ION RATES			M	FR						ADM	ЛINLЕ	AD T	IME			MFR			TOTA	<b>A</b> L	R	EMA	RKS				
F						REACHED	Nun	nber					Pr	ior 1 O	)ct	Ai	fter 1 C	ct	A	fter 1 (	Oct	Α	After 1	Oct	4						
R	NAME/LOCATION	MIN.		1-8-5	MAX.	D+	,	1	INIT					6			2			11			13		4						
1	Alliant Tech (LCAAP), Independence, MO	.00		11.50	39.30	0				RDER				6			2			11			13		4						
L									INIT																-						
										RDER															4						
$\vdash$		+							INIT																-						
$\vdash$		+	_						REO	RDER															-						
$\vdash$										RDER															1						
$\vdash$		+	+						INIT																1						
$\vdash$		+								RDER															1						
									KEO	KDEK																					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Oate:	J	une 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TON				P-1 Item Nom CTO		IFLE LAUNCH	ER NON-LET	HAL XM95 (	E91100)	
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		22		79	82							
Gross Cost		2.3		6.3	6.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		2.3		6.3	6.5							
Initial Spares												
Total Proc Cost		2.3		6.3	6.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 5.56MM Non-Lethal round is a muzzle-launched ordnance, propelled by the use of an M195 grenade impulse cartridge. It is compatible with both the M16A4 and M4 Carbine. The item consists of a muzzle attaching launch tube and a packaged stack of rubber balls (M95) for its payload. The launched payload is intended to be non-lethal, low hazard and non-shrapnel producing, which upon impact, generates a temporary trauma to the body with the intent to confuse, disorient and/or momentarily distract/deter potential threat personnel. The Area Fire M95 is an inert item, cylindrical in shape, with an overall length of 7 inches and a diameter of 2 inches. The payload is 15 rubber coated steel balls, each being approximately 0.7 (~11/16) inches in diameter. Propulsive energy is provided by using an M195 Impulse Cartridge. Ignition of the M195 Impulse Cartridge generates the gas energy to propel and disperse the rubber coated balls to a group target. The M95 is a single shot disposable item. This item is code "B" not approved. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### Justification:

The FY 2002 procurement will provide friendly forces with the capability to enforce a standoff distance from a crowd of belligerents at a range of 30-80 meters without using deadly force. This is the first generation of non-lethal munitions for the M16A2 and M4 weapon systems.

TYPE CLASSIFICATION (TC) DATE: TC LRIP August 1999

TC STD JULY 2002

Acquisition Manager: Office of Product Manager Small Arms

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/E Procurement of	Budget Activ of Ammunition	ity/Serial No. , Army / 1 / AMMUI	NITION	P-1 Line In CTG 5.56M	tem Nomenclature IM RIFLE LAUNCH	e: IER NON-LETHAL	XM95 (E9110	Weapon System 7 00)	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
<b>Cost Elements</b>	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round	В				5808	79	74.00	6093	82	74.00			
SubTotal AMMO Hardware					5808			6093					
Production Support Costs Production Engineering Quality Assurance Acceptance Testing					173 115 115			210 115 115					
SubTotal Prod. Support					403			440					
COST - Nonrecurring Materiel Release					100								
SubTotal COST - Nonrecurring					100								
Total				79.89	6311		79.67	6533					

Exhibit P-5a, Budget Procurem	ent History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	m Type:			em Nomeno	lature: HER NON-LETHAL	XM95 (E911	00)	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Complete Round										
FY 1999	Alliant Techsystems MN	SS/OPTION	TACOM-ARDEC	Feb 00	Sep 00	22	76.75			
FY 2001	Alliant Techsystems MN	SS/OPTION	TACOM-ARDEC	Jul 02	Apr 03	79	74.00	Yes		
FY 2002	Alliant Techsystems MN	SS/OPTION	TACOM-ARDEC	Jul 02	Nov 03	82	74.00	Yes		

E00700 (E91100) CTG 5.56MM RIFLE LAUNCHER NON-LETHAL XM95

FY 1999 Army procurement was an option to the Air Force September 1998 Urgent buy.

REMARKS:

Item No. 1 Page 30 of 44 30

Exhibit P-5a Procurement History and Planning

	FY 01 / 02 BUDGET P	ROL	UCTION	SCH	IEDUL]	E			tem N 5.56N				NCH	ER N	ON-L	ETH	AL X	M95	(E91	100)			]	Date:			Jun	e 200	1			
												Fis	scal Y	ear 0	1									F	iscal	Year	02					
				S	PROC	ACCEP	BAL				Ц,				Cale	ndar	Year	r 01								Calen	dar Y	Year (	)2			L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round															$\dashv$								$\vdash$				$\vdash$	Н	$\vdash$		
C	mpete Round	1	FY 99	A	22	10	12	12							$\dashv$	$\neg$													Н	$\vdash$		0
H		1	FY 01	A	79	0	79	12							$\neg$	$\neg$												$\vdash$	Δ			79
Г		1	FY 02	A	82	0	82																						Δ			82
Г																													·			02
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То	otal				183	10	173	12			$\vdash$				_	_														—		161
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	Α	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B		A P R	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			MI	FR						ADM	IINLE.	AD T	IME			MFR			ТОТА	L	R	EMAF	RKS				
F							REACHED	Nun	nber					Pri	or 1 Oc	ct	Af	ter 1 O	ct	A	fter 1 (	Oct	A	fter 1	Oct					e sche		
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1	Į	INIT		$\Box$			5			10			9			19		ma	ıntaıı	1 cont	ınuıty	of pro	oduct	10n.
1	Alliant Techsystems, MN		2.00		15.00	18.00	0	,	·		RDER				5			5			5			10		4						
									ļ	INIT						_							_			4						
$\vdash$											RDER					_										-						
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										LLO																						

	FY 03 / 04 BUDGET 1	PROE	OUCTION	SCH	IEDUL:	E			Item N 3 5.56N				NCH	ER N	ION-L	ETH.	AL X	KM95	(E91	100)				Date:			Jun	e 200	1			
												Fi	scal Y	∕ear (	)3									I	iscal	Year	· 04					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 03								Cale	ndar	Year	04			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	mplete Round															$\dashv$									$\vdash$				H			
		1	FY 99	A	22	22	0																									0
		1	FY 01	A	79	0	79							5	10	12	12	12	12	12	4	ļ										0
		1	FY 02	A	82	0	82														8	12	12	2 12	2 12	2 12	2 1:	3				1
																													L			
													_																L			
Tot	al				183	22	161							5	10	12	12	12	12	12	12	12	12	2 12	2 12	2 12	2 1:	3				1
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	Α		J U L		Е	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	ΛL	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	ct	At	fter 1	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT	TAL				5			10			9			19								
1	Alliant Techsystems, MN		2.00		15.00	18.00	0		1	REO	RDER				5			5			5			10		1						
Ш										INIT																1						
Щ											RDER		_													4						
Ш										INIT			_													4						
Н											RDER		_													4						
Н										INIT		_	_													4						
Н											RDER		-													-						
Н									ŀ	INIT			-													-						
										REO	RDER																					

Exhi	ibit P-40	, Budge	et Item Ju	ustifica	tion Sho	eet		Date:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		ION				P-1 Item Nom CTC		, M855 W/M27 L	.INK: PA108 (	CONT, LEAD	FRE (E95200)	
Program Elements for Code	e B Items:			Code:	Other Relate	ted Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2003	FY 200	)4 FY 2005	FY 2006	FY 2007	To Complete	Total Prog	
Proc Qty			13888									
Gross Cost			5.0									
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			5.0									
Initial Spares												
Total Proc Cost			5.0									
Flyaway U/C												
Wpn Sys Proc U/C												
Description:			1 EV2002 2	007	All EX	2002 2007 1	J		dia baabaa			

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Squad Automatic Weapon (SAW) ball round, M855, has a steel conical insert in the ogive of the bullet. This item is lead free or "Green". This round will be linked in 200 round belts using the M27 link. This item is code A, approved for service use.

### Justification:

This is a training unique item; not used in combat. This round is used primarily for training in areas where a fire hazard exists if the tracer round were to be used. Procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE:

1982

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement o	Budget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMU!	NITION	P-1 Line I CTG 5.56M FRE (E9520	tem Nomenclatur IM, M855 W/M27 L 00)	e: INK: PA108 CONT	, LEAD	Weapon System	Type:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AMMUNTION HARDWARE Complete Round		5000	13888	0.36									
SubTotal AMMO Hardware		5000											
Total		5000		0.36									

Exhibit P-5a, Budget Procurement His	tory and Planning							Date: Ju	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon System	m Type:			em Nomenc M855 W/M27 L	lature: INK: PA108 CONT, I	LEAD FRE	(E95200)	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Complete Round										
FY 2000	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Feb 2001	Oct 2001	13888	0.36			
REMARKS:										

	FY 01 / 02 BUDGET P	PROE	OUCTION	SCH	IEDUL	E			Item N 3 5.56N				127 LI	NK:	PA10	08 CO	NT, l	LEAD	FRE	E (E95	5200)			Date	»:		Jì	une 2	2001				
												Fi	scal Y	ear (	)1										Fisca	l Ye	ar 02	ļ					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 01								Ca	lenda	r Ye	ar 02	:			L ^
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	I .	A I P	M A Y	J U N	J U L	A U G	S E P	A T E R
Cor	mplete Round							_			Н													+		╁	+	_	$\dashv$				
	•	1	FY 00	A	13.9	0.0	13.9					Α								1.2	1.2	0.9	1.:	2 1	.2 1.	.2	1.2	1.2	1.2	1.0	1.2	1.2	0.0
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Tot	tal				13.9		13.9													1.2	1.2	0.9	1.3	2 1	.2 1.	.2	1.2	1.2	1.2	1.0	1.2	1.2	0.0
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	Е	A		P .		J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOT	AL	Τ	REM	ARK	S				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	)ct	At	fter 1	Oct	I	After	l Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			12			13			25		4							
1	Alliant Tech (LCAAP), Independence, MO		.00		15.08	52.10	6				RDER				0			0			0			0		4							
Н										INIT																4							
Н										REO	RDER															+							
Н											RDER															+							
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H											RDER												Г			1							
										INIT	TAL															1							
										REO	RDER															1							

Exh	ibit P-40	, Budge	et Item J	ustifica	tion Sh	eet	Ι	Date:		June 2001		
Appropriation/Budget Action Procurement of Ammunition, Action		TON				P-1 Item Nom CTO		м855, 10 RD CI	.IP: COMMEI	RCIAL PK, LI	EAD (E95700)	
Program Elements for Cod	le B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			57629								_	
Gross Cost			15.0									
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			15.0									
Initial Spares												
Total Proc Cost			15.0									
Flyaway U/C												
Wpn Sys Proc U/C												
Description:			1 5742002 2		4 11 777	2002 2005 1						
PLEASE NOTE: This a The M855 ball has a steel by a green bullet tip and is rifle. This item is Code A	conical insert in s intended for us	n the ogive of t se against perso	the bullet which	increases the	e helmet-peneti	ation range sul	bstantially co	ompared to the 5	.56MM M193	ball round. T	his cartridge is	identified
<b>Justification:</b> This is a training standard goals.	item used in bo	th training and	l combat. FY 2	002 procuren	nent supports a	nnual peacetim	ne training ar	nd builds a depot	level in accor	dance with the	e Army's procur	ement
TYPE CLASSIFICATION	N DATE:											
1982												
ACQUISITION MANAG	ER:											
OSC, Rock Island, Ill												

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement o	Sudget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclatur M, M855, 10 RD CI 700)	e: LIP: COMMERCIAI	L PK,	Weapon System	Type:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		14995	57629	0.26									
SubTotal AMMO Hardware		14995											
Production Support Costs Industrial Stock Support		5											
SubTotal Prod. Support		5											
Total		15000		0.26									

Exhibit P-5a, Budget Procurement Hist	tory and Planning							Date: Ju	ane 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon System	n Type:			em Nomenc M855, 10 RD CI	lature: LIP: COMMERCIAL	PK, LEAD (	E95700)	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Complete Round										
FY 2000	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Sep 2000	Oct 2001	57629	0.26			
REMARKS:										

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	IEDUL:	E			tem N 5.56N				D CL	JP: C	OMM	1ERC	IAL :	PK, L	EAD	(E95	700)			Date	»:			June	2001				
												Fi	scal Y	ear (	)1										Fisca	ıl Y	ear 0	2					
				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 01								Ca	alenda	ar Y	ear 02	2			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	1	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Cor	mplete Round																						H	+	+	+							
	•	1	FY 00	A	57.6	0.0	57.6													5.0	5.0	3.6	5 5.	0 5	.0 5	.0	5.0	5.0	5.0	4.0	5.0	5.0	0
										_																4		_	_				
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$\vdash$										$\dashv$														+	+	+	-	$\dashv$	-				
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$\vdash$									$\vdash$	$\dashv$				$\dashv$									Н	+	+	+	-	$\dashv$	$\dashv$				
										$\dashv$													Н	+	+	+	_	$\dashv$	$\dashv$				
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																										T							
Tot	tal				57.6		57.6													5.0	5.0	3.6	5.	0 5	.0 5	.0	5.0	5.0	5.0	4.0	5.0	5.0	
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	Е	A	ı.	P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			Ml	FR						ADM	4INLE	AD T	IME			MFR	t		TOT	AL	T	REN	1ARF	ζS				
F							REACHED	Nun	nber				_	Pri	ior 1 O	ct	Af	fter 1 C	oct	A	fter 1	Oct	1	After		Ц							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1		INIT					6			12			13			25		4							
1	Alliant Tech (LCAAP), Independence, MO		.00		19.40	67.50	6				RDER				0			0			0			0		4							
Н									ŀ	INIT		-	$\blacksquare$										$\vdash$			4							
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										INIT	TAL																						
									[	REO	RDER																						

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	1	Date:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TON				P-1 Item Nom CTO		BALL, M193 (A	.066) (E96001	)		
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			49530									
Gross Cost			7.9	0.1								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			7.9	0.1								
Initial Spares												
Total Proc Cost			7.9	0.1								
Flyaway U/C												
Wpn Sys Proc U/C												
p 5 / 5 / 1100 0 / 0												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 5.56MM ball is an anti-personnel cartridge containing a 56 grain, gilding metal-jacketed bullet with a lead antimony core. It is issued for use in the M16/M16A1 series rifle. This item is Code A, approved for service use.

### Justification:

This item is not clipped and is used to support training. Procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE:

1975

ACQUISTION MANAGER: OSC, Rock Island, IL

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION	P-1 Line I CTG, 5.56N	tem Nomenclatur IM, BALL, M193 (A	e: A066) (E96001)		Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack		6815	49530	0.14									
Box Metal M2A1		395	49530 62	6.38									
BOX MOULINEST		373	02	0.50									
SubTotal AMMO Hardware		7210											
<b>Production Support Costs</b>													
Production Engineering		160			51								
Quality Assurance		5											
Acceptance Testing		430											
Interim Transportation Industrial Stock Support		7 105											
muusutat Stock Support		103											
SubTotal Prod. Support		707			51								
Total		<b>5</b> 04 <b>5</b>		0.14									
Total		7917		0.16	51	I	l		l .	1		1	ı

Exhibit P-5a, Budget Procureme	ent History and Planning							J	une 2001	
ppropriation/Budget Activity/Serial No: rocurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			tem Nomeno I, BALL, M193 (	elature: A066) (E96001)			
/BS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Is Date
Load, Assemble, and Pack										
FY 2000	Alliant (LCAAP) MO	SS/FP	OSC, Rock Island, IL	Mar 2000	Sep 2000	49530	0.14			
Box Metal M2A1										
FY 2000	Brockway Standard Homerville, GA	C/FP	OSC, Rock Island, IL	Mar 2000	Jul 2000	62	6.38			
EMARKS:										

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	I <b>EDU</b> L1	E					nclatur BALI		93 (A	.066) (	(E960	001)							1	Date:			June	e 2001				
												Fis	scal Y	ear 0	)1									F	iscal	Year	02					
				S	PROC	ACCEP	BAL						_			ndar	Year	r 01								Calen		ear 0	2			L A
L	COST ELEMENTS	M F R	FY	E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack												$\dashv$		_										$\vdash$							
	au, 1650more, unu 1 uok	1	FY 00	A	49.5	0.9	48.6	1.5	4.6	3.2	4.9	4.8	4.3	4.6	4 9	4.0	3.8	49	3.1													0
								1.5	1.0	3.2	1.7	1.0	1.5	1.0	1.2	1.0	5.0	1.7	5.1	Г												Ŭ
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То	tal				49.5	0.9	48.6	1.5	4.6	3.2	4.9	4.8	4.3	4.6	4.9	4.0	3.8	4.9	3.1													
								О	N	D	J	F	M	Α	M	J	J	Α	ç	О	N	D	J	F	М	Α	M	J	ī	A	S	
								C	О	Е	Α	Е	Α	P	Α	U	U	U	S E	C	О	Е	Α	Е	Α	P	Α	U	Ü	U	Е	
								T	V	C	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
M			PRO	ODUCTI	ON RATES			MF	₹R						ADM	IINLE	AD T	IME			MFR			ТОТА	L	RI	EMAR	.KS				
F							REACHED	Nun	nber				_	Prie	or 1 O	ct	Af	fter 1 (	)ct	A	fter 1 (	Oct	A	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1		INIT			_		6			2			11			13								
1	Alliant (LCAAP), MO		.00		15.80	54.80	0	1			RDER		_		6			2			11			13		4						
										INIT		-	-													1						
$\vdash$										REO	RDER		$\dashv$													1						
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										INIT																1						
										REO	RDER																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	I	Date:	J	June 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		TION				P-1 Item Nom CTO		ARMOR PIERCI	NG M995 (F4	7600)		
Program Elements for Cod	e B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	3974	1240	1262	795	2605							
Gross Cost	5.6	1.9	1.8	1.3	3.6							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	5.6	1.9	1.8	1.3	3.6							
Initial Spares												
Total Proc Cost	5.6	1.9	1.8	1.3	3.6							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M993 7.62mm Armor Piercing (AP) Round is currently produced by Bofors Garl Gustaf AB of Sweden. The projectile assembly consists of a tungsten core penetrator contained in an aluminum cup and jacketed by tombac (similar to standard gilding metal, 90% copper, 10% zinc) clad steel. The shaped tungsten core provides enhanced armor penetration, representing a key departure from the current 7.62mm ball service round. The Bofors CGAB produced cartridge utilizes a conventional brass cartridge case with a Berdan primer. The propellant is a single base type manufactured by Bofors and the primer is manufactured by Dynamit Noble. Upon firing, the projectile assembly is propelled from the muzzle of the weapon and travels to the target. Total cartridge weight is 362.6 grains (23.5 grams). Current 7.62mm ammunition is capable of penetrating 1/4" armor plate at a distance of not greater than 100 meters. The M993 7.62mm AP Round is capable of penetrating a 7mm thick high hardness armor (HHA) plate at a distance of 500 meters from the muzzle of the weapon. This corresponds to 1/4" armor plate at a distance of 550m. This item is code "A" approved.

#### Justification:

The FY 2002 procurement is intended for use against current and future light armored targets. The M993 offers the capability to defeat these targets at ranges 2 to 3 times that of currently available ammunition. Procurement builds war inventory in accordance with the Army's procurement goals.

Type Classification (TC) Date: February 1996.

Acquisition Manager: Office of Product Manager Small Arms.

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Г	ate:	;	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		ΓΙΟΝ				P-1 Item Non CTO		ALL TYPES (E	02000)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	1344.2	12.3	3.9	8.9	11.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1344.2	12.3	3.9	8.9	11.8							
Initial Spares												
Total Proc Cost	1344.2	12.3	3.9	8.9	11.8							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes 7.62MM ALL TYPES

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature IM, ALL TYPES (E			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG 7.62MM BLANK M82 LINKED/M13 CTG 7.62MM BALL M80 LINKED/M13 CTG 7.62MM 4 BALL/1 TRACER F/MINIGUN CTG 7.62MM 4 BALL/1 TRACER F/OHF CTG 7.62MM SHORT RG TNG 4B/1T XM CTG 7.62MM M118 LONG RANGE		325 858 1592 1158	1184 3702 2824	0.72 0.43 0.41	2506 3383 1667 936 415	6173 3372 1955	0.37 0.55 0.49 0.48 3.77	3592 3534 3050 1221 436	6912 6966 2869	0.51 0.44 0.43			
Total		3933			8907			11833					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Ι	Date:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		ION				P-1 Item Non CTO		Lank m82 lin	NKED/M13 (E	01902)		
Program Elements for Code	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1903503	12779		6809	13333							
Gross Cost	233.1	5.7	0.3	2.5	3.6							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	233.1	5.7	0.3	2.5	3.6							
Initial Spares												
Total Proc Cost	233.1	5.7	0.3	2.5	3.6							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This cartridge consists of a primer and propellant contained in a brass case shaped to conform to the configuration of the service round. The propellant is held in by a wad. The mouth of the cartridge is sealed and crimped. The Blank Firing Attachment (BFA) M21 is installed on the M240 machine gun to enable blank ammunition to be fired and to provide back pressure to sustain continuous firing. This item is Code A, approved for service use.

### Justification:

This is a training unique item, not used in combat. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1958

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activi Ammunition,	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature M BLANK M82 LIN		)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round					2276	6809	0.33	3301	13333	0.25			
SubTotal AMMO Hardware					2276			3301					
Production Support Costs Production Engineering Quality Assurance Acceptance Testing Industrial Stock Support		320 5			162 35			98 5 161 27					
SubTotal Prod. Support		325			230			291					
Total		325			2506		0.37	3592		0.27			

Exhibit P-5a, Budget Procu	rement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUN	ITION	Weapon Syste	ет Туре:			tem Nomeno BLANK M82 L	elature: INKED/M13 (E01902	)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Complete Round										
FY 2001	Alliant (Lake City AAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Nov 2000	Oct 2001	6809	0.33	Y		
FY 2002	Alliant (Lake City AAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Nov 2001	Oct 2002	13333	0.25	Y		
REMARKS:										

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	[EDUL]	E			item N 7.62N				32 LIN	NKED	D/M13	3 (E01	902)							Date	:			June	2001				
												Fis	scal Y	ear (	)1										Fisca	al Ye	ear 02	2					
				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 01								Ca	lenda	ar Y	ear 02	2			L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	mplete Round										Н		$\dashv$										┢	+	+	+	+	$\dashv$	$\dashv$				
-		1	FY 00 P	Α	8.70	7.50	1.20	0.40	0.40	0.40																+							0
		1	FY 01	Α	6.80	0.00	6.80	0.10	0.10 A	0.10										0.57	0.57	7 0 53	7 0 5	57 O ·	57 0 4	57 0	57 (	0 57	0.57	0.57	0.57	0.53	0
		1	FY 02	Α	13.30	0.00	13.30		- 1.											0.57	0.57	0.5	, 0.2	,, 0	,, ,,,	0,		0.07	0.57	0.57	0.57	0.00	13.30
		1	FY 01	MC	7.20	0.00	7.20													0.60	0.60	0.60	0.6	50 0.0	50 0.0	60 0	.60	0.60	0.60	0.60	0.60	0.60	0
		1	FY 01	SOF	1.20	0.00	1.20																								0.10		0
		1	FY 02	SOF	1.00	0.00	1.00																										1.00
																										Т							
																										Т							
																										Т							
																										Т							
																							П			Т							
																							Т			+	$\neg$						
																							Т			+	$\neg$						
													$\neg$													╅							
То	tal				38.20	7.50	30.70	0.40	0.40	0.40			$\neg$							1.27	1.27	7 1.27	7 1.2	27 1.2	27 1.2	27 1	.27	1.27	1.27	1.27	1.27	1.23	14.30
								0	N	D	т	Е	м	٨	м	T	T	٨	c	0									т	т			
								O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A					M A	J U	J U	A U	S E	
								T	V	C	N	В	R	R	Y	N	Ĺ	G	P	T	V	C		В	R			Y	N	Ĺ	Ğ	P	
M			PR	ODUCTI	ON RATES			M	FR				$\neg$		ADM	/INLE	AD T	IME			MFR	١		ТОТ	AL	1	REN	ЛARК	CS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	A	fter 1 C	)ct	Α	fter 1	Oct		After	l Oct								
R	NAME/LOCATION		MIN.	:	1-8-5	MAX.	D+			INIT	ΊAL				6			2			11			13	3								
1	Alliant (Lake City AAP), Independence, MO		.00		5.16	17.77	5		l	REO	RDER				6			2			11			13	3								
2	Lake City AAP, Independence, MO		.00		5.16	17.77	5	:	,	INIT	ΊAL				6			2			11			13	3								
									_	REO	RDER				6			2			11			13	3								
										INIT	IAL															_							
										REO	RDER															4							
										INIT													┺			4							
											RDER		_													4							
										INIT			_							_			_			4							
										REO	RDER																						

	FY 03 / 04 BUDGET PR	ROD	UCTION	SCH	[EDUL]	E					nclatu BLAN		32 LIN	IKEL	D/M13	3 (E01	1902)	ı						Date:			Jun	e 2001				
												Fi	scal Y	ear (	03									F	iscal	Year	04					
				S	PROC	ACCEP	BAL				<u> </u>				Cal	endaı	· Yea	r 03								Calen	dar '	Year (	4			L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round																											$\vdash$				
		1	FY 00 P	A	8.70	8.70	0.00																									0
		1	FY 01	A	6.80	6.80	0.00																									0
		1	FY 02	A	13.30	0.00	13.30	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.20													0
		1	FY 01	MC	7.20	7.20	0.00																									0
		1	FY 01	SOF	1.20	1.20	0.00																									0
		1	FY 02	SOF	1.00	0.00	1.00	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.12													0
То	otal				38.20	23.90	14.30	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.32													
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			MI	FR						ADN	ЛINLЕ	EAD T	IME			MFR			ТОТА	L	R	EMAF	RKS				
F							REACHED	Nun	nber					Pri	ior 1 O	)ct	A:	fter 1 (	Oct	At	fter 1	Oct	Α	fter 1	Oct							
R	NAME/LOCATION		MIN.	:	1-8-5	MAX.	D+			INIT	ΊAL				6			2			11			13								
1	Alliant (Lake City AAP), Independence, MO		.00		5.16	17.77	5	1	1	REO	RDER				6			2			11			13								
2	Lake City AAP, Independence, MO		.00		5.16	17.77	5	2	,	INIT	ΊAL				6			2			11			13								
									-	REO	RDER				6			2			11			13		1						
										INIT																1						
<u> </u>											RDER															4						
⊢										INIT																4						
$\vdash$											RDER															4						
$\vdash$										INIT																4						
										REO	RDER																					

Ext	nibit P-40	, Budge	t Item J	ustifica	tion Sho	eet		Date:	J	June 2001		
Appropriation/Budget Ac Procurement of Ammunition		ION				P-1 Item Nom CTO		ARMOR PIERCI	NG XM993 (F	F47500)		
Program Elements for Co	ode B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	4 FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	4440	911	600		1168							
Gross Cost	7.9	1.9	1.3		2.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	7.9	1.9	1.3		2.4							
Initial Spares												
Total Proc Cost	7.9	1.9	1.3		2.4							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M993 7.62mm Armor Piercing (AP) Round is currently produced by Bofors Carl Gustaf AB of Sweden. The projectile assembly consists of a tungsten core penetrator contained in an aluminum cup and jacketed by tombac (similar to standard gilding metal, 90% copper, 10% zinc) clad steel. The shaped tungsten core provides enhanced armor penetration, representing a key departure from the current 7.62mm ball service round. The Bofors CGAB produced cartridge utilizes a conventional brass cartridge case with a Berdan primer. The propellant is a single base type manufactured by Bofors and the primer is manufactured by Dynamit Noble. Upon firing, the projectile assembly is propelled from the muzzle of the weapon and travels to the target. Total cartridge weight is 362.6 grains (23.5 grams). Current 7.62mm ammunition is capable of penetrating 1/4" armor plate at a distance of not greater than 100 meters. The M993 7.62mm AP Round is capable of penetrating a 7mm thick high hardness armor (HHA) plate at a distance of 500 meters from the muzzle of the weapon. This corresponds to 1/4" armor plate at a distance of 550m. This item is code "A" approved.

#### Justification:

The FY 2002 procurement is intended for use against current and future light armored targets. The M993 offers the capability to defeat these targets at ranges 2 to 3 times that of currently available ammunition. Procurement builds war reserve inventory in accordance with the Army's procurement goals.

Type Classification (TC) Date: February 1996.

Acquisition Manager: Product Manager Small Arms

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	D	ate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		TION				P-1 Item Nom CTO		TYPES (EA30	)00)			
Program Elements for Cod	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	61.2	2.3	1.2	2.5	2.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	61.2	2.3	1.2	2.5	2.7							
Initial Spares												
Total Proc Cost	61.2	2.3	1.2	2.5	2.7							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line funds the M9 Pistol for antipersonnel use only and consists of a brass case, a jacketed lead bullet, a two-piece boxer-type primer, and a double-base propellant. The cartridge 9mm, ball M882 conforms to all United States requirements and NATO standardization agreement (STANAG) 4090 for 9mm ammunition. This item is Code A, approved for service use.

### Justification:

This is a training standard item used in both training and combat. FY 2002 procurement supports annual peacetime training and builds a war reserve inventory in accordance with the Army's procurement goals.

ACQUISITION MANAGER: OSC, Rock Island, IL

TYPE CLASSIFICATION DATE: 1985

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMUl	NITION	P-1 Line In CTG, 9MM	tem Nomenclature , ALL TYPES (EA30	e: 000)		Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG 9MM BALL M882		1155	9620	0.12	2465	20703	0.12	2657	22679	0.12			
Total		1155			2465			2657					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Pate:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TON				P-1 Item Nom CTO		ALL TYPES (E	)8000)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	428.1	17.2	19.7	16.5	26.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	428.1	17.2	19.7	16.5	26.8							
Initial Spares												
Total Proc Cost	428.1	17.2	19.7	16.5	26.8							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes .50 CAL ALL TYPES

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature AL, ALL TYPES (E			Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG CAL .50 BALL M33 W/M9 LINK CTG CAL .50 4 BALL/1 TRACER W/M9 LINK CTG CAL .50 BLANK M1A1 LKD W/M9 LINK CTG CAL .50 SLAPT M903 (M962 TRACER)		3386 16324 15	1751 8981	1.93 1.82	5873 4675 5945	2293 1543 595	2.56 3.03 9.99	5546 17103 2374 1800	3267 9658 3478 195	1.70 1.77 0.68			
Total		19725			16493			26823					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Oate:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		ION				P-1 Item Non CTO		ALL M33 W/M	9 LINK (E071	00)		
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	34833	1451	1751	2293	3267							
Gross Cost	45.2	3.6	3.4	5.9	5.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	45.2	3.6	3.4	5.9	5.5							
Initial Spares												
Total Proc Cost	45.2	3.6	3.4	5.9	5.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The caliber .50 ball M33 is linked with the M9 links for use in Army training with caliber .50 machine guns, M2 and M3. These rounds are also used in function test firing of the M2 and M3 machine guns. This item is Code A, approved for service use.

### Justification:

This is a training unique item; not used in combat. FY 2002 procurement supports annual peacetime training and build a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1951

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ Ammunition	ity/Serial No. , Army / 1 / AMMUl	NITION		tem Nomenclature 50 BALL M33 W/M			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack		3035	1751	1.72	5432	2293	2.37	5241	3267	1.60			
Box Metal M2A1		113	1/31	1.73 6.35	5432 151	2293	2.37 6.47	219					
			10	0.55			0.17			0.50			
SubTotal AMMO Hardware		3148			5583			5460					
<b>Production Support Costs</b>													
Production Engineering		186			193			37					
Quality Assurance Interim Transportation		4 2			14 2			4					
Industrial Stock Support		46			81			45					
SubTotal Prod. Support		238			290			86					
Total		3386		1.93	5873		2.56	5546		1.70			

Exhibit P-5a, Budget Procur	ement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITI	ON	Weapon Syste	ет Туре:			em Nomenc BALL M33 W/M	lature: 19 LINK (E07100)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2000	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Mar 2000	Oct 2000	1751	1.73			
FY 2001	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Feb 2001	Oct 2001	2293	2.37	Y		
FY 2002	Alliant Tech (LCAAP) Independence, MO	SS/FP	OSC, Rock Island, IL	Nov 2001	Oct 2002	3267	1.60	Y		
Box Metal M2A1										
FY 2000	Brockway Standard Homerville, GA	C/FP	OSC, Rock Island, IL	Mar 2000	Jul 2000	18	6.35			
FY 2001 FY 2002	TBS TBS	C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL	Jan 2001 Jan 2002	Jul 2001 Jul 2002	23 33	6.47 6.58	Y Y		

E08000 (E07100) CTG CAL .50 BALL M33 W/M9 LINK

TBS - To Be Selected

REMARKS:

	FY 01 / 02 BUDGET P	ROL	UCTION					nclatur 3ALL		W/M	9 LIN	IK (E0	07100	))							Date	:		Ju	ıne 2	001							
												Fi	scal Y	ear (	)1										Fiscal	l Yea	ar 02						
				S	PROC	ACCEP	BAL				Щ				Cale	endar	Yea	r 01					┺			Cal	endaı	·Yea	ar 02				L A
L	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A H F	A N P A R Y	1	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack																									+	+	+	+	$\dashv$			
		1	FY 00 P	A	0.62	0.00	0.62												0.30	0.03	0.03	3 0.20	6										0
		1	FY 00	A	1.75	0.00	1.75	0.40	0.01	0.17	0.01	0.06	0.50		0.12					0.28	0.20	0											0
		1	FY 01	Α	2.29	0.00	2.29					A								0.19	0.19	9 0.19	9 0.1	9 0.1	9 0.1	9 0.	19 0.	19 0	.19	0.19	0.19	0.20	0
		1	FY 02	Α	3.27	0.00	3.27																			L							3.27
		1	FY 00	AF	0.17	0.00	0.17		0.05	0.03					0.09					L			L		_	┸			_			_	0
		1	FY 01	AF	0.18	0.00	0.18				Ш									0.02	0.02	2 0.02	2 0.0	2 0.0	2 0.0	2 0.	02 0.	02 0	.02		_	_	0
		1	FY 02	AF	0.87	0.00	0.87													L	_		┺	_	_	┸	_	_	_			_	0.87
		2	FY 00 P	MC	0.00	0.00	0.00													_	╙	_	╄	_	_	╄	4	4	4	_	_	_	0
		1	FY 01	SOF	0.20	0.00	0.20													0.02	0.02	2 0.0	1 0.0	2 0.0	2 0.0	2 0.	02 0.	02 0	.02	0.01	0.01	0.01	0
L																					_		╄	_	_	╀	_	+	4	_		_	
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L																					H	_	╄	+	+	╇	+	+	4	_		_	
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То	tal				9.35		9.35	0.40	0.06	0.20	0.01	0.06	0.50		0.21				0.30	0.54	0.40	6 0.48	8 0.2	3 0.2	3 0.2	3 0.	23 0.	23 0	.23	0.20	0.20	0.21	4.14
								0	N	D	J	F	M	A	M	J	J	A	S E	0	N							1	J	J		S	
								C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V			Е В	A R			7				E P	
M			PR	ODUCTI	ON RATES			Ml								/INLE					MFF			TOT			REMA	ARKS	S				
F							REACHED	Nun	nber					Pri	or 1 O	ct	Ai	fter 1 (	Oct	A	fter 1	Oct	,	After 1		4							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1	1	INIT					6			2			11		╄	13		4							
1	Alliant Tech (LCAAP), Independence, MO		.00		5.99	20.77	5				RDER				6			2			11		╄	13		4							
2	Lake City AAP, MO		.00		5.99	20.77	5	2	2	INIT	TAL RDER	-			6			2		$\vdash$	11 11		╀	13 13		-							
$\vdash$										INIT					U			4			11		╆	13		┨							
											RDER												╈			1							
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											RDER									Г			T			1							
										INIT	ΊAL															1							
										REO	RDER															1							

	FY 03 / 04 BUDGET PR	ROD	UCTION	SCH	IEDUL	E			tem N				W/M	9 LIN	IK (E0	07100	))							Date:			Jui	ne 200	)1			
												Fi	scal Y	ear (	)3									I	iscal	Year	r 04					
				S	PROC	ACCEP	BAL				Ц,				Cale	endar	Yea	r 03								Cale	ndar	Year	04			L A
		M F R	FY	Ē R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Т
Lo	oad, Assemble, and Pack																								+	╁	+	+	t		+	
		1	FY 00 P	A	0.62	0.62	0.00																						Т			0
		1	FY 00	A	1.75	1.75	0.00																									0
		1	FY 01	A	2.29	2.29	0.00																									0
		1	FY 02	A	3.27	0.00	3.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28													0
		1	FY 00	AF	0.17	0.17	0.00																									0
		1	FY 01	AF	0.18	0.18	0.00																									0
		1	FY 02	AF	0.87	0.00	0.87	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.10										┸			0
		2	FY 00 P	MC	0.00	0.00	0.00																									0
		1	FY 01	SOF	0.20	0.20	0.00																						$\perp$			0
																													┸			
																													L			
To	otal				9.35	5.21	4.14	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.38													
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	Α	U	U		Е	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	ΛL	F	REMA	RKS				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	fter 1 C	ct	Ai	fter 1 (	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΊAL				6			2			11			13								
1	Alliant Tech (LCAAP), Independence, MO		.00		5.99	20.77	5	1	l	REO	RDER				6			2			11			13								
2	Lake City AAP, MO		.00		5.99	20.77	5	2	2	INIT					6			2			11			13								
											RDER				6			2			11			13		4						
_										INIT																4						
⊢											RDER															4						
⊢										INIT		_														-						
$\vdash$											RDER															-						
$\vdash$										INIT																-						
										REO.	RDER																					

Ext	nibit P-40	, Budge	t Item J	ustifica	tion Sh	eet		Date:	J	June 2001		
Appropriation/Budget Ac Procurement of Ammunition		ION				P-1 Item Non CTO		4 BALL/1 TRAC	ER W/M9 LIN	JK (E07200)		
Program Elements for Co	de B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 200	4 FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	393914	4944	8981	1543	9658							
Gross Cost	296.9	13.6	16.3	4.7	17.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	296.9	13.6	16.3	4.7	17.1							
Initial Spares												
Total Proc Cost	296.9	13.6	16.3	4.7	17.1							·
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This item consists of M33 ball and M17 tracer linked 4 to 1 with the M9 link. These cartridges in the linked configuration are for training use in either vehicle mounted or ground mounted machine guns. The tracer round permits observation of the bullet's trajectory to the point of impact. The ammunition is designed for use in the M2 or M3 machine guns. This item is Code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1968

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature 50 4 BALL/1 TRAC		07200)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack		15365	8981	1.71	4064	1543	2.63	16165	9658	1.67			
Box Metal M2A1		581	92	6.35	102	16	6.47	648		6.58			
SubTotal AMMO Hardware		15946			4166			16813					
<b>Production Support Costs</b>													
Production Engineering		132			399			144					
Quality Assurance		5			49			5					
Interim Transportation Industrial Stock Support		10 231			1 60			1 140					
muustiai Stock Support		231			00			140					
SubTotal Prod. Support		378			509			290					
Total		16324		1.82	4675		3.03	17103		1.77			1

Exhibit F-5a, Buuget Frocuremen	t History and Planning							Date:	une 2001	
ppropriation/Budget Activity/Serial No: rocurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	ет Туре:			em Nomenc 4 BALL/1 TRAC	lature: CER W/M9 LINK (EG	07200)		
/BS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP I Dat
Load, Assemble, and Pack FY 2000 FY 2001 FY 2002 Box Metal M2A1 FY 2000 FY 2001 FY 2002		SS/FP SS/FP SS/FP C/FP C/FP	OSC, Rock Island, IL	Mar 2000 Feb 2001 Nov 2001 Mar 2000 Jan 2001 Jan 2002	Jan 2002 Oct 2002	8981 1543 9658 92 16 99	1.71 2.63 1.67 6.35 6.47 6.58	Y Y Y Y		

	FY 01 / 02 BUDGET	PROD	OUCTION	SCF	IEDUL:	E					nclatui BAL		RAC	ER W	V/M9	LINK	(E07	7200)						Date	e:			June	2001				
												Fi	scal Y	Year (	01										Fisca	al Y	ear 0	2					
l				s	PROC	ACCEP	BAL								Cal	endaı	r Yea	r 01								C	alend	ar Y	'ear 0	2			L
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E E	N A B	A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Lo	ad, Assemble, and Pack																				$\vdash$		╁	+		+							
		1	FY 00	Α	8.98	0.00	8.98	0.74	0.78	0.79		0.46	0.67	0.30	0.70	0.93	0.85	1.20	0.92	0.22	2 0.1	5 0.0	6 0.2	1									0
		1	FY 01	A	1.54	0.00	1.54					Α											0.0	3 0.2	24 0.:	27	0.29	0.27	0.25	0.19			0
		1	FY 02	A	9.66	0.00	9.66														I	Λ											9.66
		1	FY 00	AF	1.50	0.00	1.50	0.18	0.18			0.08	0.28		0.15	0.15	0.15	0.15	0.18														0
		1	FY 01	AF	0.47	0.00	0.47													0.10	0.1	0.1	0 0.1	0 0.	07								0
		1	FY 00	CG	0.19	0.00	0.19					0.10	0.09													_[							0
		1	FY 01	CG	0.19	0.00	0.19													0.05	0.0	5 0.0	5 0.0	)4		┙							0
L		1	FY 02	CG	0.19	0.00	0.19																L			_							0.19
		1	FY 00	NS	0.57	0.00	0.57	0.06	0.13			0.06	0.06		0.05	0.05	0.05	0.05	0.06	,						_							0
		1	FY 01	NS	1.36	0.00	1.36													0.10	0.1	0.1	0 0.1	0 0.	12 0.	12	0.12	0.12	0.12	0.12	0.12	0.12	0
		1	FY 02	NS	0.67	0.00	0.67																			┙							0.67
																										_							
То	tal				25.32		25.32	0.98	1.09	0.79		0.70	1.10	0.30	0.90	1.13	1.05	1.40	1.16	0.47	0.4	0.3	1 0.4	8 0.	43 0.:	39	0.41	0.39	0.37	0.31	0.12	0.12	10.52
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	Е	Α	E	A	A.		M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCT.	ION RATES			M	FR						ADN	MINLE	EAD T	IME			MFI	₹		TOT	'AL		RE	MARI	KS				
F							REACHED	Nun	nber					Pr	ior 1 C	Oct	A:	fter 1 (	Oct	A	fter 1	Oct		After	1 Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1	,	INIT	IAL				6			2			11			13	3								
1	Alliant Tech (LCAAP), Independence, MO		.00		5.99	20.77	0		1	REO	RDER				6			2			11			1.	3	_							
Ш										INIT													4			4							
Ш											RDER															4							
Ш				_						INIT													_			4							
Н				-							RDER												+			4							
Н				-						INIT										$\vdash$			┿			4							
Н				$\vdash$						REO	RDER												┿			4							
Н											IAL RDER									$\vdash$			+			$\dashv$							
										KEO	KDEK																						

	FY 03 / 04 BUDGET P	ROD	UCTION	SCE	IEDUL	E					nclatui BAL		RAC.	ER W	V/ <b>M</b> 9 ]	LINK	(E07	7200)						Date:			Jun	e 2001	1			
												Fi	scal Y	(ear	03									F	iscal	Year	04					
				S	PROC	ACCEP	BAL								Calo	endaı	r Yea	r 03								Caler	dar Y	Year (	)4			L
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Lo	ad, Assemble, and Pack																								$\vdash$			$\vdash$	H			
		1	FY 00	A	8.98	8.98	0.00																									0
		1	FY 01	Α	1.54	1.54	0.00																									0
		1	FY 02	Α	9.66	0.00	9.66	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.86													0
		1	FY 00	AF	1.50	1.50	0.00																									0
		1	FY 01	AF	0.47	0.47	0.00																									0
		1	FY 00	CG	0.19	0.19	0.00																									0
		1	FY 01	CG	0.19	0.19	0.00																									0
		1	FY 02	CG	0.19	0.00	0.19	0.05	0.05	0.05	0.04																					0
		1	FY 00	NS	0.57	0.57	0.00																									0
		1	FY 01	NS	1.36	1.36	0.00																									0
		1	FY 02	NS	0.67	0.00	0.67	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07														0
_											Ш				Ш											_						
L											Ш				Ш											_						
_											Ш				Ш											_						
То	ıtal				25.32	14.80	10.52	0.91	0.91	0.91	0.90	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.86							_						
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCT	ON RATES			Ml	FR						ADM	/INLE	EAD T	IME			MFR			TOTA	L	R	EMAF	RKS				
F							REACHED	Nun	nber					Pr	ior 1 O	ct	Af	fter 1 C	ct	A	fter 1	Oct	Α	fter 1	Oct	_						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1	1	INIT					6			2			11			13		1						
1	Alliant Tech (LCAAP), Independence, MO		.00		5.99	20.77	0				RDER				6			2			11			13		4						
$\vdash$										INIT		_														4						
$\vdash$											RDER															-						
$\vdash$										INIT																-						
$\vdash$										REO	RDER															1						
$\vdash$											RDER															1						
$\vdash$										INIT																1						
Н											RDER															1						
										KLO	NDLK																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Oate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		TION				P-1 Item Non CTO		LAPT M903 (M	962 TRACER	) (F88000)		
Program Elements for Cod	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1139			595	195							
Gross Cost	10.0			5.9	1.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	10.0			5.9	1.8							
Initial Spares												
Total Proc Cost	10.0			5.9	1.8							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Saboted Light Armor Penetrator (SLAP), M903 cartridge consists of a heavy metal penetrator which is sabot launched at a much higher velocity than standard rounds, with Tracer, M962. The sabot, which is designed to break up at the muzzle to release the penetrator, must also survive the gun environment until launch. It is injection molded of special high strength plastic and is reinforced with an aluminum insert in the base section. The tungsten alloy penetrator has a slot in the base to insure full spin-up before separation from the sabot at the muzzle. The companion tracer cartridge, M962, consists of a tungsten alloy penetrator of the same mass as the M903 and is launched from a sabot of the same material and similar design. The penetrator base is cored out to accommodate a trace mix composition. This ammunition is linked four M903 SLAP to one M962 tracer for use in the M2 Heavy Barrel Machine Gun. The item is Code "A", approved for service use. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### **Justification:**

FY 2002 procurement is intended for use against current and future light armored targets and Armored Attack Helicopters (AAHs). The M903 offers the capability to defeat these targets at ranges 2 to 3 times that of currently available ammunition.

Type Classified (TC) Date: March 1993.

Acquisition Manager: Product Manager Small Arms

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/E Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature 50 SLAPT M903 (M		000)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack	A				5436	595	9.14	1546	195	7.93			
SubTotal AMMO Hardware					5436			1546					
<b>Production Support Costs</b>													
Production Engineering					202			110					
Quality Assurance					26			20					
Acceptance Testing					24			24					
SubTotal Prod. Support					252			154					
COST - Nonrecurring													
First Article Testing					75								
Engineering Study					182			100					
SubTotal COST - Nonrecurring					257			100					
Total					5945		9.99	1800		9.23			

Exhibit P-5a, Budget Procure	ement History and Planning							Date:	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION	ON	Weapon Syste	ет Туре:			em Nomenc SLAPT M903 (M	lature: 1962 TRACER) (F88	000)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Load, Assemble, and Pack										
FY 2001	Olin East Olten, IL	SS/OPT	TACOM-ARDEC	Aug 01	Jun 02	595	9.14			
FY 2002	Olin East Olten, IL	SS/OPT	TACOM-ARDEC	Jun 02	Jan 03	195	7.93			
REMARKS:										

	FY 02 / 03 BUDGET P	PROD	UCTION	SCH	[EDUL]	E			Item N i CAL				)3 (M	962 1	ΓRAC	ER) (	F880	000)						Date:			Jun	e 200	1			
													scal Y											I	iscal	Year	03					
				g	PROC	ACCEP	BAL								Cal	endaı	r Yea	r 02								Caler	ıdar `	Year (	03			L
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Loa	d, Assemble, and Pack																								$\vdash$			$\vdash$	H			
		1	FY 01	A	595	0	595									45	75	100	100	100	100	75										0
		1	FY 02	A	195	0	195									A							95	100	)							0
Tot	al				790		790									45	75	100	100	100	100	75	95	100	0							
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	M A Y		J U L	A U G	Е	
M			PR	ODUCTI	ON RATES			М	FR						ADN	ЛINLE	EAD T	IME			MFR			TOTA	ΛL	R	EMAI	RKS	-			
F							REACHED		nber					Pr	ior 1 O			fter 1 (	Oct	А	fter 1			fter 1								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				4			6			10			16		1						
-	Olin, East Olten, IL		60.00		220.00	440.00	0		1		RDER				4			6			10			16		1						
П	,									INIT																1						
П										REO	RDER															1						
										INIT	ΊΑL															]						
										REO	RDER																					
										INIT	TAL																					
Ш											RDER															4						
Щ										INIT			_													1						
Ш										REO	RDER																					

	FY 04 / 05 BUDGET I	PROD	OUCTION	SCF	I <b>EDU</b> L!	E			Item No GCAL				)3 (M	962 T	RACI	ER) (	F880	00)						Date:			Jun	e 2001	1			
												Fis	scal Y	'ear (	)4									F	iscal	Year	05					
				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 04							_	Caler	ıdar `	Year (	)5			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Loa	nd, Assemble, and Pack							_					_		$\overline{}$																	
		1	FY 01	A	595	595	0		П																							0
		1	FY 02	A	195	195	0		П																							0
To	al				790	790																										
								O C T	0	D E C	Α	Е	Α	A P R	Α	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	Α		J U L	A U G	Е	
M			PR	ODUCT	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	EMAI	RKS				
F							REACHED	Nur	nber					Pri	or 1 O	ct	Ai	fter 1 C	Oct	At	fter 1 (	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					4			6			10			16		1						
1	Olin, East Olten, IL		60.00		220.00	440.00	0		1	REO	RDER				4			6			10			16		_						
Ш				_					-	INIT		_														4						
Ш									_		RDER															4						
Ш									-	INIT		_	_													4						
Н											RDER															-						
Н									-	INIT		-	_													4						
Н				-					_		RDER	-	-													-						
Н				-					-	INIT		$\dashv$	_													-						
										REO.	RDER																					

Ex	hibit P-40	, Budge	t Item J	ustifica	tion She	eet	Da	te:	J	une 2001		
Appropriation/Budget A		TON				P-1 Item Nom CTO		I MK211 MOI	0 (F47400)			
Program Elements for Co	ode B Items:			Code:	Other Relate	ed Program Ele						
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	842			373	404							
Gross Cost	5.9			3.0	3.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	5.9			3.0	3.2							
Initial Spares												
Total Proc Cost	5.9			3.0	3.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This round is used in the M2 machine gun. The Grade B MK211 will be linked in a 4:1 ratio with the caliber .50 M20 Armor Piercing Incendiary Tracer Cartridge. The cartridge provides improved penetration performance against light armor vehicles and personnel. The projectile consists of a brass jacket surrounding a steel body and tungsten core with incendiary and high explosive charges.

#### Justification:

This is a war reserve item, used in combat. FY 2002 procurement builds toward the war reserve requirement.

TYPE CLASSIFICATION DATE:

February 1996

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom CTO		LL TYPES (E08	900)			
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	295.6		0.0	2.0	0.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	295.6		0.0	2.0	0.1							
Initial Spares												
Total Proc Cost	295.6		0.0	2.0	0.1							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes 20MM ALL TYPES. This ammunition is used to suppress or fire against light armor vehicles.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ	ity/Serial No. , Army / 1 / AMMU	NITION	P-1 Line In CTG, 20MN	tem Nomenclature M, ALL TYPES (E08	:: 900)		Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG 20MM LINKED TP M55A2/TPT		1			1986	321	6.19	85					
Total		1			1986			85					

Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Date:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Non CTO		LL TYPES (E08	200)			
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	1233.6	79.7	47.7	65.8	46.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1233.6	79.7	47.7	65.8	46.2							
Initial Spares												
Total Proc Cost	1233.6	79.7	47.7	65.8	46.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes 25MM ALL TYPES.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMUl	NITION		tem Nomenclature M, ALL TYPES (E08			Weapon System 7	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG 25MM TP-T M793 CTG 25MM TPDS-T M910 CTG 25MM APFSDS-T M919		16456 582 30692	1216 253	13.53 121.31	15673 18143 31954	1124 1101 284	13.94 16.48 112.51	16083 24148 6000	1163 1530 30	15.78			
Total		47730			65770			46231					

Proc Qty         19902         1254         1216         1124         1163												
		TION						T M793 (E0820	3)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	19902	1254	1216	1124	1163							
Gross Cost	282.8	17.5	16.5	15.7	16.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	282.8	17.5	16.5	15.7	16.1							
Initial Spares												
Total Proc Cost	282.8	17.5	16.5	15.7	16.1							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M793 cartridge is a percussion primed 25MM Target Practice-Traced (TP-T) cartridge with M28 link for use in the M242 gun which is mounted on the Bradley Fighting Vehicle System. The M793 training round is ballistically matched to the M792 High Explosive Incendiary-Tracer (HEI-T) ammunition. This round will be packaged/shipped in the M621 plastic container, 30 rounds per container. This item is Code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1979

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature 1 TP-T M793 (E0820			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack		13500	1216	11.10	12484	1124	11.10	13491	1163	11.60			
Container PA125		1785	41	43.96	1623	38	43.23	1528	39				
Pallet Steel w/Adapter		400	1	43.90	372	1	412.88	1326	39	39.32			
SubTotal AMMO Hardware		15685			14479			15019					
Production Support Costs													
Production Engineering		463			955			910					
Quality Assurance		4			9			27					
Acceptance Testing		4.6			20			2					
Interim Transportation Industrial Stock Support		46 258			20 210			2 125					
musurar stock support		236			210			123					
SubTotal Prod. Support		771			1194			1064					
Total		16456		13.53	15673		13.94	16083		13.82			

, 3	rement History and Planning							J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNIT	TION	Weapon Syste	em Type:			em Nomeno P-T M793 (E082				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Load, Assemble, and Pack										
FY 2000	Primex Tech Marion, IL	CM-2/FP*	OSC, Rock Island, IL	Mar 2000	Feb 2001	669	11.10			
FY 2000	Alliant Tech Sys, Inc New Brighton, MN	CM-2/FP*	OSC, Rock Island, IL	Mar 2000	Aug 2001	547	11.10			
FY 2001	Primex Tech Marion, IL	CM-3/FP*	OSC, Rock Island, IL	Mar 2001	Mar 2002	618	11.10	Y		
FY 2001	Alliant Tech Sys, Inc New Brighton, MN	CM-3/FP	OSC, Rock Island, IL	Mar 2001	Mar 2002	506	11.10			
FY 2002 Container PA125	TBS	CM-4/FP*	OSC, Rock Island, IL	Mar 2002	Mar 2003	1163	11.60	Y		
FY 2000	Conco Inc Louisville, KY	C/FP	OSC, Rock Island, IL	Apr 2000	Dec 2000	41	43.96			
FY 2001	Conco Inc Louisville, KY	C/FP	OSC, Rock Island, IL	Apr 2001	Dec 2001	38	43.23	Y		
FY 2002	TBS	C/FP	OSC, Rock Island, IL	Apr 2002	Dec 2002	39	39.32	Y		
Pallet Steel w/Adapter FY 2000	Conco Inc Louisville, KY	C/FP	OSC, Rock Island, IL	Apr 2000	Dec 2000	1	410.84			
FY 2001	Conco Inc Louisville, KY	C/FP	OSC, Rock Island, IL	Apr 2001	Dec 2001	1	412.88	Y		

REMARKS: TBS - To Be Selected

<sup>\*</sup>This is a Five Multi-Year Contract with Primex and Alliant

	FY 01 / 02 BUDGET P	ROL	UCTION	SCE	IEDUL!	E			Item N 3 25Ml				E0820	3)										Date	:			June	2001				
Г												Fi	scal Y	ear (	01										Fisca	al Y	ear 0	2					
				S	PROC	ACCEP	BAL								Cale	ndar	Yea	r 01				_	_	_	_	Ca	alend	ar Y	ear 02	2			L A
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	N A R	Л Х ?	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	oad, Assemble, and Pack																						╁	+	+	+		$\dashv$					
		1	FY 00 P	A	0.55	0.42	0.13						0.06	0.07												Т							0
		1	FY 00	A	0.55	0.00	0.55											0.06	0.06	0.06	0.09	0.09	9 0.0	9 0.1	0								0
		2	FY 00	A	0.67	0.00	0.67					0.27	0.25	0.15																			0
		2	FY 01	A	0.62	0.00	0.62																		0.1	10 (	0.10	0.10	0.10	0.10	0.12		0
		1	FY 01	A	0.50	0.00	0.50						A												0.	10 (	0.10	0.10	0.10	0.10			0
		3	FY 02	A	1.16	0.00	1.16																										1.16
		2	FY 00 P	MC	0.20	0.00	0.20			0.18	0.02																						0
		1	FY 00	MC	0.16	0.00	0.16								0.06	0.05	0.05																0
		3	FY 01	MC	0.29	0.00	0.29																					0.10	0.10	0.09			0
		3	FY 02	MC	0.29	0.00	0.29																										0.29
		2	FY 00 P	NS	0.04	0.00	0.04				0.04																						0
		1	FY 00	NS	0.03	0.00	0.03								0.03																		0
		3	FY 01	NS	0.05	0.00	0.05																					0.05					0
		3	FY 02	NS	0.09	0.00	0.09																										0.09
Тс	otal				5.20	0.42	4.78			0.18	0.06	0.27	0.31	0.22	0.09	0.05	0.05	0.06	0.06	0.06	0.09	0.09	9 0.0	9 0.1	0 0.2	20 (	0.20	0.35	0.30	0.29	0.12		1.54
								О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	N	1	Α	M	J	ī	Α	s	
								C	О	Е	A	Е	A	P	Α	U	U	U	Е	C	О	Е	Α	. E	Α	A.	P	Α	U	Ü	U	Е	
ı								T	V	С	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	₹	R	Y	N	L	G	P	
M			PR	ODUCTI	ON RATES			М	IFR						ADM	IINLE.	AD T	IME			MFR	Į.		TOT.	AL		RE	MARK	ζS				
F							REACHED	Nui	mber					Pri	ior 1 O	ct	Af	fter 1 (	)ct	A	fter 1	Oct		After 1	Oct						r each	cont	ractor
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΊAL				6			6			14			20	1		with	. 25M	IM ite	ems.			
1	Alliant Tech Sys, Inc, New Brighton, MN		.26		.26	.75	12		1	REO	RDER				6			4			14			18									
2	Primex Tech, Marion, IL		.08		.20	.52	0		2	INIT	ΊAL				6			6			14			20	1								
3	TBS		.26		.26	.75	12		-	REO	RDER				6			4			14			18									
									3	INIT	IAL				6			6			14			20		4							
											RDER				6			4			14			18		4							
<u> </u>										INIT													_			4							
$\vdash$											RDER												-			4							
$\vdash$										INIT										_			+			4							
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	FY 03 / 04 BUDGET F	PROE	OUCTION	SCE	IEDUL	E			Item N 3 25M				E0820	)3)										Date:			Jun	e 200	1			
												Fi	iscal Y	Year	03									I	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cal	enda	r Yea	r 03								Cale	dar `	Year	04			L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	pad, Assemble, and Pack																									+			H			
		1	FY 00 P	A	0.55	0.55	0.00										Г												Г			0
		1	FY 00	A	0.55	0.55	0.00																									0
		2	FY 00	A	0.67	0.67	0.00																									0
		2	FY 01	A	0.62	0.62	0.00																									0
		1	FY 01	A	0.50	0.50	0.00																									0
		3	FY 02	A	1.16	0.00	1.16						0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	5							0
		2	FY 00 P	MC	0.20	0.20	0.00																									0
		1	FY 00	MC	0.16	0.16	0.00																									0
		3	FY 01	MC	0.29	0.29	0.00																									0
		3	FY 02	MC	0.29	0.00	0.29								0.10	0.19																0
		2	FY 00 P	NS	0.04	0.04	0.00																									0
		1	FY 00	NS	0.03	0.03	0.00																									0
		3	FY 01	NS	0.05	0.05	0.00																									0
		3	FY 02	NS	0.09	0.00	0.09								0.09																	0
Тс	otal				5.20	3.66	1.54						0.10	0.10	0.29	0.29	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	5							
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N			P	M A Y		J U L		Е	
M			PR	ODUCT	ON RATES			M	IFR						ADI	MINLI	EAD T	IME			MFR	<b>t</b>		TOTA	L	R	EMAI	RKS				
F							REACHED	Nu	mber					Pr	rior 1 C	Oct	A	fter 1 (	)ct	A	fter 1	Oct	A	After 1	Oct					or eac	h con	tractor
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT	TAL				6			6			14			20		W	th 25	MM i	tems.			
1	Alliant Tech Sys, Inc, New Brighton, MN		.26		.26	.75	12		1		RDER				6			4			14			18		4						
2	Primex Tech, Marion, IL		.08		.20	.52	0		2	INIT					6			6			14			20		4						
3	TBS		.26		.26	.75	12				RDER				6			4			14			18		4						
_									3	INIT					6			6			14			20		4						
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	FY 05 / 06 BUDGET P	ROE	OUCTION	SCF	IEDUL	E			Item No 3 25MN				E0820	3)										Date:	:		Ju	ne 20	001				
												Fis	scal Y	'ear (	)5									]	Fiscal	Yea	r 06						
				S	PROC	ACCEP	BAL			_				_	Cale	endar	Yea	r 05			_		L		_	Cale	ndar	Yea	r 06	_		_	L A
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	0	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	1 . . !	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack									$\dashv$			$\dashv$											+		+	+	+	+	$\dashv$	$\dashv$	$\dashv$	
		1	FY 00 P	A	0.55	0.55	0.00																			Т		Т	Т				0
		1	FY 00	A	0.55	0.55	0.00																										0
		2	FY 00	A	0.67	0.67	0.00																										0
		1	FY 01	A	0.50	0.50	0.00																										0
		2	FY 01	A	0.62	0.62	0.00																						$oldsymbol{\perp}$				0
		3	FY 02	A	1.16	1.16	0.00																						$\perp$				0
		2	FY 00 P	MC	0.20	0.20	0.00																										0
		1	FY 00	MC	0.16	0.16	0.00																										0
		3	FY 01	MC	0.29	0.29	0.00																										0
		3	FY 02	MC	0.29	0.29	0.00																										0
		2	FY 00 P	NS	0.04	0.04	0.00																										0
		1	FY 00	NS	0.03	0.03	0.00																										0
		3	FY 01	NS	0.05	0.05	0.00																										0
		3	FY 02	NS	0.09	0.09	0.00																										0
Тс	otal				5.20	5.20																											
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	Α	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	Е	Α	P	Α	ιI			U	S E P	
M			PR	ODUCT	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR	1		TOTA	AL	I	REMA	RKS					
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Ai	fter 1 C	)ct	A	fter 1	Oct	A	After 1	Oct						each	contra	actor
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT	IAL				6			6			14			20		W	ith 2:	SMIN	1 iten	ns.			
1	Alliant Tech Sys, Inc, New Brighton, MN		.26		.26	.75	12				RDER		_		6			4			14			18		4							
2	Primex Tech, Marion, IL		.08		.20	.52	0	:	2	INIT			_		6			6			14		_	20		4							
3	TBS		.26		.26	.75	12		_		RDER		_		6			4			14		_	18		4							
_								3	,	INIT			_		6			6			14		⊢	20		4							
<u> </u>									_		RDER		-		6			4			14			18		4							
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										KEU	RDER																						

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Ι	Oate:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom CTO		OS-T M910 (E0	3204)			
Program Elements for Code	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	15717	2551		1101	1530							
Gross Cost	276.7	40.6	0.6	18.1	24.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	276.7	40.6	0.6	18.1	24.1							
Initial Spares												
Total Proc Cost	276.7	40.6	0.6	18.1	24.1							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 25MM Armor Piercing (AP) training round is ballistically matched to the 25MM cartridge Armor Piercing Discarding Sabot-Tracer (APDS-T) M791 and the Armor Piercing Fin Stabilized Discarding Sabot, with Tracer M919. The M910 is used in gunnery training and qualification of the M2/M3 Bradley Fighting Vehicles in lieu of the M791 and the M919. This round supports live Bradley Fighting Vehicle at smaller facilities that cannot use the long range combat cartridges. This item is Code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals. The maximum range of the current APDS-T and the follow-on Armor Piercing Fin Stabilized Discarding Sabot-Tracer (APFSDS-T) cartridges precludes their use on most training ranges. Bradley Fighting Vehicle crews cannot obtain meaningful training without this round.

TYPE CLASSIFICATION DATE: 1988

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature 4 TPDS-T M910 (E0			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack Container PA125 Pallet Steel w/Adapter					14769 1589 364	1101 37 1	13.42 43.23 412.88	2010	1530 51				
SubTotal AMMO Hardware					16722			22901					
Production Support Costs Production Engineering Quality Assurance Acceptance Testing Interim Transportation Industrial Stock Support		582			1149 10 20 242			715 42 297 3 190					
SubTotal Prod. Support		582			1421			1247					
Total		582			18143		16.48	24148		15.78			15.4

Exhibit P-5a, Budget Procui	rement History and Planning	_						Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNIT	TON	Weapon Syste	em Type:		P-1 Line It					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issi Date
Load, Assemble, and Pack										
FY 2001	Primex Tech Marion, IL	CM-3/FP*	OSC, Rock Island, IL	Mar 2001	Sep 2002	605	13.42	Y		
FY 2001	Alliant Tech New Brighton, MN	CM-4/FP*	OSC, Rock Island, IL	Mar 2001	Sep 2002	495	13.42	Y		
FY 2002 Container PA125	TBS	CM-5/FP*	OSC, Rock Island, IL	Mar 2002	Mar 2003	1530	13.65	Y		
FY 2001 FY 2002 Pallet Steel w/Adapter	TBS TBS	C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL	Apr 2001 Apr 2002	Jun 2002 Dec 2002	37 51	43.23 39.32	Y Y		
FY 2001	TBS	C/FP	OSC, Rock Island, IL	Apr 2001	Jun 2002	1	412.88	Y		

REMARKS: TBS - To Be Selected

<sup>\*</sup> These buys are a part of a 5 year multiyear procurement for medium caliber 25mm and 30mm training ammunition.

	FY 01 / 02 BUDGET 1	PROE	OUCTION	SCE	IEDUL	E			Item N 3 25MI				0 (E0	8204)	)									Date	:		J	une 2	2001				
												Fi	scal Y	/ear	01										Fisca	l Ye	ar 02						
				S	PROC	ACCEP	BAL								Cale	endar	Year	r 01					L			Cal	lenda	r Ye	ar 02			_	L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY xlMil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	[ .	A N P A R S	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack																							+	+	+	+	+	$\dashv$		$\dashv$	+	
		2	FY 00 P	A	1.10	0.29	0.81								0.07	0.06	0.13	0.06	0.11	0.06	0.06	6 0.00	6 0.1	0 0.1	0			$\Box$					0
		1	FY 00	A	1.30	0.54	0.76								0.10	0.10	0.25	0.25	0.06														0
		2	FY 01	A	0.50	0.00	0.50						Α																		(	.10	0.40
		1	FY 01	A	0.60	0.00	0.60						Α																		(	.10	0.50
		3	FY 02	A	1.53	0.00	1.53																			L		$\perp$					1.53
		1	FY 00 P	MC	0.29	0.00	0.29									0.15	0.14									┸	$\perp$	$\bot$				_	0
		2	FY 00	MC	0.23	0.00	0.23		Ш					0.07	0.05	0.11										$\perp$	$\perp$	$\bot$				_	0
		3	FY 02	MC	0.13	0.00	0.13																			_	$\bot$	$\bot$	_			_	0.13
																										_		$\bot$				_	
																										L							
																										┸		$\bot$	_			_	
																										L							
																										L							
																												$\Box$					
То	tal				5.68	0.83	4.85							0.07	0.22	0.42	0.52	0.31	0.17	0.06	0.06	6 0.00	6 0.1	0 0.1	0			$\Box$			(	.20	2.56
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C		Е	Α		P A	A	U		U	S E P	
M			PR	ODUCT	ON RATES			M	FR						ADM	4INLE	AD T	IME			MFR	١		TOT	AL	T	REM.	ARK	S				
F							REACHED	Nur	mber					Pr	ior 1 O	ct	Af	ter 1 O	ct	Ai	fter 1	Oct		After 1	Oct						ontract		e
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			6			14			20		1	shared	1 wit	n oth	er 251	MM ite	ms.	
1	Primex Tech, Marion, IL		.33		.33	.94	12		1		RDER				6			4			14			18		4							
2	Alliant Tech, New Brighton, MN		.26		.26	.75	12	:	2	INIT					6			6			14		┺	20		4							
3	TBS		.26		.26	.75	12				RDER				6			4			14		_	18		4							
$ldsymbol{\sqcup}$								3	3	INIT					6			6			14		┺	20		4							
$\vdash$											RDER				6			4			14		-	18		4							
$\vdash$										INIT													╄			4							
											RDER												╄			4							
										INIT													╀			4							
										REO	RDER																						

	FY 03 / 04 BUDGET I	PROD	UCTION	SCE	IEDUL	E			Item N 25M				0 (E08	8204)	١									Date:			Jı	une 2	2001				
												Fi	scal Y	lear (	03									]	Fiscal	l Yea	ır 04						
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 03								Cale	enda	r Ye	ar 04	ı			L A
	COST ELEMENTS	M F R	FY	E R V	QTY xlMil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	A N	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack																						H	+	+	+	+	+	$\dashv$	$\dashv$			
		2	FY 00 P	A	1.10	1.10	0.00																										0
		1	FY 00	A	1.30	1.30	0.00																										0
		2	FY 01	A	0.50	0.10	0.40	0.10	0.10	0.10	0.10																						0
		1	FY 01	A	0.60	0.10	0.50	0.10	0.10	0.10	0.10	0.10																					0
		3	FY 02	A	1.53	0.00	1.53						0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.1	3 0.1	0								0
		1	FY 00 P	MC	0.29	0.29	0.00																										0
		2	FY 00	MC	0.23	0.23	0.00																										0
		3	FY 02	MC	0.13	0.00	0.13								0.06	0.07																	0
То	otal				5.68	3.12	2.56	0.20	0.20	0.20	0.20	0.10	0.13	0.13	0.19	0.20	0.13	0.13	0.13	0.13	0.13	0.13	0.1	3 0.1	0								
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C		Е	Α	P	•	4		J U L	A U G	S E P	
M			PR	ODUCT	ON RATES			M	FR						ADM	ЛINLЕ	AD T	IME			MFR	1		TOTA	AL		REM	ARK	S				
F							REACHED	Nun	nber					Pr	ior 1 O	)ct	At	fter 1 C	)ct	Α	fter 1	Oct	I	After 1	Oct						ontrac		re
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT			Ш		6			6			14			20		S	narec	ı wıt	n oth	er 25	MM i	iems.	
1	Primex Tech, Marion, IL		.33		.33	.94	12				RDER				6			4			14			18		4							
2	Alliant Tech, New Brighton, MN		.26		.26	.75	12	2	2	INIT					6			6		_	14		_	20		4							
3	TBS		.26		.26	.75	12				RDER				6			4			14		_	18		4							
$\vdash$								3	3	INIT					6			6			14		┡	20		-							
								_			RDER				6			4			14		-	18		4							
$\vdash$										INIT																4							
$\vdash$											RDER															-							
$\vdash$										INIT										$\vdash$			$\vdash$			-							
										REO.	RDER																						

	FY 05 / 06 BUDGET F	PROD	OUCTION	SCE	IEDUL	E			Item No 3 25MN				) (E08	3204)	١									Date:			Jur	e 200	1			
												Fis	scal Y	ear (	05									I	iscal	Year	06					
				S	PROC	ACCEP	BAL				Щ,		_		Cale	endar	Yea	r 05						_		Cale	ıdar	Year	06	_		L A
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack									$\dashv$	Н														$\vdash$			+	t		$\vdash$	
		2	FY 00 P	A	1.10	1.10	0.00																						Т			0
		1	FY 00	A	1.30	1.30	0.00																									0
		2	FY 01	A	0.50	0.50	0.00																									0
		1	FY 01	A	0.60	0.60	0.00																									0
		3	FY 02	A	1.53	1.53	0.00																									0
		1	FY 00 P	MC	0.29	0.29	0.00																									0
		2	FY 00	MC	0.23	0.23	0.00																									0
		3	FY 02	MC	0.13	0.13	0.00																									0
																													L			
																													L			
																													L			
																													L			
																													L			
																													L			
																													L			
																													L			
То	otal				5.68	5.68																										
								O C T	0	D E C	Α	F E B	Α	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	M A Y		J U L		Е	
M			PR	ODUCT	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	ΛL	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	A:	fter 1 C	)ct	A	fter 1	Oct	A	After 1	Oct			es for				
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΊAL				6			6			14			20		sh	ared	with o	ther 2	25MN	l item	S.
1	Primex Tech, Marion, IL		.33		.33	.94	12		1	REO	RDER				6			4			14			18		1						
2	Alliant Tech, New Brighton, MN		.26		.26	.75	12	1	2	INIT			_		6			6			14			20		1						
3	TBS		.26		.26	.75	12				RDER				6			4			14			18		4						
								1		INIT			_		6			6			14			20		4						
$\vdash$											RDER				6			4			14			18		4						
$\vdash$									-	INIT			_													4						
$\vdash$											RDER		-													-						
$\vdash$									ŀ	INIT			_													1						
										REO.	RDER																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Γ	Oate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom CTO		FSDS-T M919 (	E08210)			
Program Elements for Code	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1065	160	253	284	30							
Gross Cost	167.5	20.6	30.7	32.0	6.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	167.5	20.6	30.7	32.0	6.0							
Initial Spares												
Total Proc Cost	167.5	20.6	30.7	32.0	6.0							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 25MM Armor Piercing Fin Stabilized Discarding Sabot w/Tracer(APFSDS-T) M919. The M919 uses the state-of-the-art technology by incorporating high energy propellants, low drag design, aluminum sabot, and improved depleted uranium penetrator material. This item is code A, approved for service use.

#### Justification:

The procurement of the M919 adheres to the US Army's Transformation Campaign Plan and Moderization Strategy. The M919 replaces the M791 as the primary armor-piercing cartridge for use in the 25MM M242 Automatic Gun mounted on the Bradley Fighting Vehicle System. The M919 round significantly increases the lethality of the BFVS against all threat infantry fighting vehicles. The M791 does not defeat the existing threat. The M919 state of the art armor defeat mechanism, combined with a high muzzle velocity, yields a very high kill probability for firing at stationary and moving targets. The M919 is the only 25mm "long-rod" penetrator produced for the M242 cannon. The M919 provides the US Soldier greater standoff, thus increasing battlefield survivability for the Bradley Crew and all Infantry Support. The M919 provides the US Soldier with the lethality he needs to defeat the enemy, accomplish the BFVS mission, and to survive on today's modern battlefield.

Type Classification Date: September 1993

Acquisition Manager: Project Manager, Tank and Medium-Caliber Armament Systems (PM-TMAS).

<b>AMMO</b>			· •	NITION	CTG 25MM	1 APFSDS-T M919 (	E08210)				June 2	2001
	)	FY 00			FY 01			FY 02			FY 03	
Cost Elements C	O TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE 1. Complete Round	27025	253	107	28459	284	100	4080	30	136			
2. Other Hardware	532	233	107	26439 465		100	50	30	130			
3. Hazardous Waste Disposal	332			422			150					
SubTotal AMMO Hardware	27557			29346			4280					
Production Support Costs												
Production Engineering	995			908			475					
Quality Assurance	429			675			370					
Acceptance Testing	475			375			175					
SubTotal Prod. Support	1899			1958			1020					
COST - Nonrecurring												
Program Closeout							500					
ECP's	1236			650			200					
SubTotal COST - Nonrecurring	1236			650			700					
Total	30692			31954			6000					

Exhibit P-5a, Budget Procurement l	History and Planning							Date: Jı	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	т Туре:			em Nomenc PFSDS-T M919				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
1. Complete Round										
FY 2000	PRIMEX	SS/FP	ARDEC	Feb 00	Sep-00	253	107	Yes	No	
FY 2001	MARION, IL PRIMEX MARION, IL	SS/FP	ARDEC	Nov 00	July-01	284	100	Yes	No	
FY 2002	PRIMEX MARION, IL	SS/FP	ARDEC	Nov 01	July-02	30	136	Yes	No	
REMARKS:										

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	[EDUL]	E			tem N 25MN				919 (1	E0821	.0)								]	Date:			Jun	e 200	1			
												Fis	scal Y	'ear 0	1									F	iscal	Year	· 02					
				S	PROC	ACCEP	BAL			_					Cale	ndar	Year	r 01								Caler	ndar `	Year	02	_	_	L A
	COST ELEMENTS	M F R	FY	E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
1 (	Complete Round									-			$\dashv$			$\dashv$								$\vdash$	+	$\vdash$	+	+	┿	+	$\vdash$	
1. \	complete Round	1	FY 00	A	253	25	228	25	25	25	25	25	25	26	26	26												$\vdash$	+			0
			FY 01	A	284	0	284	23	A	23	23	23	23	20	20	20	25	26	25	26	26	26	26	26	5 26	5 26	5 20	5	T			0
			FY 02	A	30	0	30		- 11	$\neg$			$\neg$			$\neg$	20	20	23	20	20	20	20		2	, 2	J 20		Т			0
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To	tal				567	25	542	25	25	25	25	25	25	26	26	26	25	26	25	26	26	26	26	26	5 26	5 26	5 20	5	┿			
								O	N	D	J	F	M			J	J	A	S E	0	N	D	J	F	M		M	J	J	A		
								C T	O V		A N	E B	A R	P R		U N	U L	U G	E P	C T	O V	E C	A N	E B			A Y	U N			E P	
Н										C	11	Ь	K						1				_			-			L	G	1	
M			PR	ODUCTI	ON RATES		DE COVER	MF					H		ADM						MFR			TOTA		R	EMAI	RKS				
F R	NAME/LOCATION		MIN.		1-8-5	MAX.	REACHED D+	Nun	ıber	INITI	LAT			Pric	or 1 Oc	ct	At	fter 1 C	ct	Ai	fter 1 (	Jet	A	fter 1 20		-						
	PRIMEX, MARION, IL		15.00		27.00	40.00	D+ 0	1			RDER		_		3			2			8			10		1						
1	TRIWEA, WARION, IL		15.00		47.00	40.00	U			INITI			$\dashv$		J			4			0			10		1						
Н									ŀ		RDER	$\dashv$	$\dashv$													1						
Н										INITI			_													1						
Н										REOF			$\neg$													1						
										INITI																						
										REOF	RDER																					
										INITI	IAL																					
										REOF	RDER		[																			

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Non CTO		L TYPES (ER	3120)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	255.1	10.5	6.5	14.4	9.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	255.1	10.5	6.5	14.4	9.8							
Initial Spares												
Total Proc Cost	255.1	10.5	6.5	14.4	9.8							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes 30MM ALL TYPES

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature M, ALL TYPES (ER8			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
<b>Cost Elements</b>	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG 30MM TP M788 CTG 30MM HEDP M789		6519	523	12.46	9429 4954	820 88	11.50 56.46	9811	831				
Total		6519			14383			9811					

Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet		Date:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TON				P-1 Item Non CTO		P M788 (E10100)				
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 200 <sup>2</sup>	4 FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	8487	914	523	820	831							
Gross Cost	98.9	10.5	6.5	9.4	9.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	98.9	10.5	6.5	9.4	9.8							
Initial Spares												
Total Proc Cost	98.9	10.5	6.5	9.4	9.8							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 30MM Linked Target Practice (TP) M788 cartridge is an electric primed aluminum cased cartridge which is used in the 30MM M230 chain gun weapon system. The system is used as the secondary armament system on the Apache Advanced Attack Helicopter(AH-64). This item is Code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE:

1982

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature 1 TP M788 (E10100)			Weapon System	Гуре:	Date: June 2	001
АММО	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		5681	523	10.86	8935	820	10.90	9053	831	10.90			
SubTotal AMMO Hardware		5681			8935			9053					
Production Support Costs Production Engineering		739			353			661					
Quality Assurance Industrial Stock Support		17 82			11 130			22 75					
SubTotal Prod. Support		838			494			758					
Total		6519		12.46	9429		11.50	9811		11.81			11.8

Exhibit P-5a, Budget Proc	curement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMU	NITION	Weapon Syste	ет Туре:			tem Nomeno P M788 (E10100				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Complete Round										
FY 2000	Alliant Tech Sys, Inc New Brighton, MN	CM-2/FP*	OSC, Rock Island, IL	Mar 2000	Jun 2001	523	10.86			
FY 2001	Alliant Tech Sys, Inc New Brighton, MN	CM-3/FP*	OSC, Rock Island, IL	Mar 2001	Jan 2002	820	10.90	Y		
FY 2002	TBS	CM-4/FP*	OSC, Rock Island, IL	Mar 2002	Jan 2003	831	10.90	Y		

REMARKS:

REMARKS: TBS - To Be Selected
\*These buys are a part of a Five Multi-Year Contract

	FY 01 / 02 BUDGET PR	.OD	UCTION	SCH	IEDUL	E			Item N 30MI				0100)											Date	:		Jı	ıne 2	2001				
												Fi	scal Y	ear (	01									]	Fisca	l Yea	ır 02						
				S	PROC	ACCEP	BAL								Cal	endar	r Yea	r 01								Cal	enda	r Ye	ar 02	2			L A
L		M F R	FY	S E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	F F	A N	A A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round																				$\vdash$				+	╁	+	+	$\dashv$		_		
		1	FY 00 P	A	0.21	0.04	0.17						0.11	0.06																			0
		1	FY 00	A	0.52	0.00	0.52									0.04	0.08	0.08	0.08	0.08	0.0	8 0.08	3										0
		1	FY 01	Α	0.82	0.00	0.82						Α										0.0	7 0.0	7 0.0	7 0.	07 0.	.07 (	0.07	0.07	0.07	0.07	0.19
		2	FY 02	A	0.83	0.00	0.83																			┸							0.83
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Тс	otal				2.38	0.04	2.34						0.11	0.06		0.04	0.08	0.08	0.08	0.08	0.0	8 0.08	0.0	7 0.0	7 0.0	7 0.	07 0.	.07 (	0.07	0.07	0.07	0.07	1.02
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	Е	J A N	Е	Α	F	• <i>I</i>	<b>A</b>	Ü	J U L	U	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	ЛINLЕ	EAD T	ΊΜΕ			MFF	₹		TOT	AL		REM	ARKS	S				
F							REACHED	Nur	mber					Pr	ior 1 O	oct	A	fter 1 (	Oct	A	fter 1	Oct	A	After 1	Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			6			12			18		_]							
1	Alliant Tech Sys, Inc, New Brighton, MN		.05		.12	.30	0		1	REO	RDER				6			6			10			16		4							
2	TBS		.05		.12	.30	0		2	INIT					6			6		_	12		_	18		4							
_											RDER				6			6			10			16		4							
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										REO	RDER																						

	FY 03 / 04 BUDGET F	PROD	OUCTION	SCE	IEDUL	E			Item N 30M				0100)	١										Date:			Jun	e 200	1			
												Fi	scal Y	Year (	03									F	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cal	endar	r Yea	r 03								Caler	ıdar `	Year (	)4			L A
L	COST ELEMENTS	M F R	FY	S E R V	QTY xlMil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round																							$\vdash$	$\vdash$		H	$\vdash$	H			
		1	FY 00 P	A	0.21	0.21	0.00																									0
		1	FY 00	A	0.52	0.52	0.00																									0
		1	FY 01	A	0.82	0.63	0.19	0.07	0.07	0.05																						0
		2	FY 02	A	0.83	0.00	0.83				0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06										0
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Г																													Г			
Тс	otal				2.38	1.36	1.02	0.07	0.07	0.05	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06							Н			
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ı								O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A		M A		J U	A U	S E	
ı								T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R		Y	N	L		P	
M	I		DD	ODUCTI	ON RATES			M	ED						ADA	ЛINLE	AD T	IME			MFR			ТОТА	ī	D	EMAI	OVC.				
F			TI	ODUCT	ON KATES		REACHED		nber					Dr	ior 1 O			fter 1 C	)ct	•	fter 1			After 1		K	LIVIAI	(KS				
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	ivul		INIT	TAL			- 11	6		А	6		A	12	<i>_</i>	А	18		1						
1	Alliant Tech Sys, Inc, New Brighton, MN		.05		.12	.30	0	1	1		RDER				6			6			10			16		1						
2			.05		.12	.30	0	Н		INIT					6			6			12			18		1						
-			.03			.50	Ü	1	2		RDER				6			6			10			16		1						
										INIT					-						-			-		1						
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											RDER															1						
Г										INIT																1						
										REO	RDER															1						

	FY 05 / 06 BUDGET PR	ROD	UCTION	SCH	<b>EDUL</b> I	E			tem No 30MN				)100)											Date:			Jur	e 200	1			
												Fis	scal Y	'ear (	05									I	iscal	Year	· 06					
				S	PROC	ACCEP	BAL			_					Cale	endar	· Yea	r 05							_	Caler	ndar	Year	)6			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round									$\dashv$		$\dashv$	_															+	H			
		1	FY 00 P	Α	0.21	0.21	0.00																									0
		1	FY 00	A	0.52	0.52	0.00																									0
		1	FY 01	A	0.82	0.82	0.00																									0
		2	FY 02	A	0.83	0.83	0.00																									0
																													Г			
Тс	otal				2.38	2.38																										
								O C T	0		Α	Е	Α	A P R			J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	Α		J U L		S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	4INLE	AD T	IME			MFR			TOTA	L	R	EMA	RKS				
F							REACHED	Nun						Pri	ior 1 O	ct	At	fter 1 C	ct	Af	fter 1 (	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1		INITI			_		6			6			12			18		4						
1	Alliant Tech Sys, Inc, New Brighton, MN		.05		.12	.30	0				RDER		_		6			6			10			16		4						
2	TBS		.05		.12	.30	0	2	2	INITI		_	_		6			6			12			18		4						
									_		RDER		_		6			6			10			16		4						
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										KEOI	RDER																					

Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Non CTO		LL TYPES (ER	3001)			
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	650.9	33.3	44.4	62.2	49.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	650.9	33.3	44.4	62.2	49.4							
Initial Spares												
Total Proc Cost	650.9	33.3	44.4	62.2	49.4							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes 40MM ALL TYPES

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature I, ALL TYPES (ER8			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG 40MM HEDP M430 F/MK19 MG CTG 40MM WHITE STAR PARA M583 CTG 40MM PRACTICE M385A1 CTG 40MM TP M918 LINKED F/MK 19MG CTG 40MM PRACTICE M781 CTG 40MM NON-LETHAL XM1006 AMMO 40MM CANNISTER XM1001		1109 627 91 37130 3872 1526	26 2051 961 115	24.06 18.10 4.03 13.27	732 52102 7508 1870	47 2923 1953 115	15.49 17.82 3.85 16.26	961 46178 283 1973	69 2749 146	16.80			
Total		44355			62212			49395					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Г	Oate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom CTO		M918 LINKED	F/MK19 MG	(E71100)		
Program Elements for Code	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	12081	1445	2051	2923	2749							
Gross Cost	182.8	25.2	37.1	52.1	46.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	182.8	25.2	37.1	52.1	46.2							
Initial Spares												
Total Proc Cost	182.8	25.2	37.1	52.1	46.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 40MM Target Practice (TP) cartridge for the MK19 machine gun is a high velocity training projectile with realistic signature effects providing sufficient flash, smoke, and sound upon impact to be seen/heard at a 1200 meter minimum range under standard atmospheric conditions and level terrain. In addition to providing audible/visual signature for day or night firing, the TP for MK19 gun will minimize hazards to troops in the training area. This item is Code A, approved for service use.

### Justification:

This is a training unique item; not used in combat. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals. This cartridge is required since firing the standard service 40MM high-explosive dual-purpose (HEDP) M430 cartridge is prohibited at many training ranges. The M918 allows frequent and safe MK 19 MOD 3 40MM Grenade Machine Gun and M129 Grenade launcher training.

TYPE CLASSIFICATION DATE: 1985

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature TP M918 LINKED			Weapon System T	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE								10550		. <b>-</b> 0			
Load, Assemble, and Pack		14791	2051	7.21	19913	2923	6.81	18660	2749	6.79			
Proj Assy		15304	2112	7.24	22180	3011	7.37	19111	2831	6.75			
*M2 SP .019 F/40MM (LB)		494	31	16.07	737	44	16.81	693	41	16.90			
M550 Escape Assy		3758	2160	1.74	5447	3079	1.77	5209	2895	1.80			
DET Stab M55		1536	2164	0.71	2343	3084	0.76	2240	2900	0.10			
SubTotal AMMO Hardware		35883			50620			45913					
Production Support Costs													
Production Engineering		478			735			522					
Quality Assurance		8			10			14					
Acceptance Testing		3											
Interim Transportation		546			632			41					
Industrial Stock Support		706			842			381					
nausurur Stock Support		700			0.12			501					
SubTotal Prod. Support		1741			2219			958					
COST - Nonrecurring													
Government Furnished Material		-494			-737			-693					
SubTotal COST - Nonrecurring													
Total		37130		18.10	52102		17.82	46178		16.80			

Exhibit P-5a, Budget Procur	rement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNIT	TION	Weapon Syste	ет Туре:		P-1 Line It		elature: DF/MK19 MG (E711	00)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2000	American Ordnance (MAAP) Milan, TN	C/FP	OSC, Rock Island, IL	Sep 2000	Jul 2001	2051	7.21			
FY 2001	American Ordnance (MAAP) Milan, TN	C/FP	OSC, Rock Island, IL	Mar 2001	Jul 2002	2923	6.81	Y		
FY 2002	TBS	C/FP	OSC, Rock Island, IL	Dec 2001	Jul 2003	2749	6.79	Y		
Proj Assy										
FY 2000	Teknocraft Inc Palm Bay, FL	C/FP	OSC, Rock Island, IL	Aug 2000	Jul 2001	2112	7.24			
FY 2001	JKS Ind Tampa, FL	C/FP	OSC, Rock Island, IL	Aug 2000	Jul 2001	3011	7.37	Y		
FY 2002 *M2 SP .019 F/40MM (LB)	TBS	C/FP	OSC, Rock Island, IL	Jun 2001	May 2002	2831	6.75	Y		
FY 2000	Stock Issue	N/A	N/A	N/A	N/A	31				
FY 2001	Stock Issue	N/A	N/A	N/A	N/A	44				
FY 2002	Stock Issue	N/A		N/A	N/A	41				
M550 Escape Assy										
FY 2000	Dayron Corp Orlando, FL	C/FP	OSC, Rock Island, IL	Jun 2000	Oct 2000	881	1.74			
FY 2000	TBS	C/FP	OSC,Rock Island, IL	May 2001	Jul 2001	1279	1.77			

REMARKS: TBS - To Be Selected
\*Government Furnished Material

Exhibit P-5a, Budget Proc	urement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUN	IITION	Weapon Syst	ет Туре:			em Nomeno P M918 LINKEI	elature: O F/MK19 MG (E711	00)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
FY 2001 FY 2002 DET Stab M55	TBS TBS	C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL	May 2001 Dec 2001	Mar 2002 Mar 2003	3079 2895	1.77 1.80	Y Y		
FY 2000 FY 2001 FY 2002	Day & Zimmerman (LSAAP) Texarkana, TX TBS TBS	C/FP C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL OSC, Rock Island, IL	Jul 2000 May 2001 Dec 2001	Sep 2000 Jan 2002 Jan 2003	2164 3084 2900	0.71 0.76 0.77	Y Y		

REMARKS: TBS - To Be Selected
\*Government Furnished Material

	FY 01 / 02 BUDGET I	FY 01 / 02 BUDGET PRODUCTION SCHEDULE												F/MI	K19 M	ИG (Е	7110	0)						Date	):		J	June	2001				
												Fi	scal Y	Year (	01										Fisca	al Yo	ear 02	2					
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 01								Ca	lenda	ar Y	ear 02	2			L A
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	N A R	1 N R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	oad, Assemble, and Pack																							+	+	+		$\dashv$	$\dashv$		$\dashv$	$\dashv$	
		8	FY 00 P	A	1.33	0.90	0.43	0.20		0.15					0.08											Т							0
		8	FY 00 P	A	1.44	0.00	1.44		0.14	0.12	0.19	0.32	0.02	0.22	0.25	0.18																	0
		8	FY 00	A	2.05	0.00	2.05										0.45	0.21	0.21	0.21	0.21	1 0.21	1 0.2	1 0.2	21 0.	13							0
		8	FY 01	A	2.92	0.00	2.92						Α																	0.14	0.25	0.25	2.28
		8	FY 02	A	2.75	0.00	2.75																										2.75
		1	FY 02	AF	0.06	0.00	0.06																			$oldsymbol{\mathbb{I}}$							0.06
		8	FY 00	MC	0.37	0.00	0.37						0.24	0.13																			0
		8	FY 00 P	SOF	0.14	0.00	0.14						0.14																				0
		8	FY 00	SOF	0.15	0.00	0.15																			(	).05 (	0.10					0
		1	FY 01	SOF	0.11	0.00	0.11																							0.11			0
		1	FY 02	SOF	0.06	0.00	0.06																										0.06
Т	otal				11.38	0.90	10.48	0.20	0.14	0.27	0.19	0.32	0.40	0.35	0.33	0.18	0.45	0.21	0.21	0.21	0.21	0.21	1 0.2	1 0.2	21 0.	13 (	).05 (	0.10		0.25	0.25	0.25	5.15
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C		Е	. A	١	P	M A Y	J U N	J U L	U	S E P	
M			PR	ODUCT.	ON RATES			M	FR						ADM	ИINLE	AD T	IME			MFR	t		TOT	AL	T	REM	1ARI	ζS				
F							REACHED	Nur	nber					Pr	ior 1 O	)ct	A	fter 1 (	Oct	A	fter 1	Oct	,	After :	l Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT	IAL				6			3			19		L	22	2	_							
1	TBS		.00		.38	1.30	0		1	REO	RDER				6			3			16		┡	19		4							
8	American Ordnance (MAAP), Milan, TN		.00		.38	1.30	0	8	8	INIT					6			3		$\vdash$	19		┺	22		4							
											RDER				6			3			16		╄	19	)	4							
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										KEO	KDEK																						

	FY 03 / 04 BUDGET P	FY 03 / 04 BUDGET PRODUCTION SCHEDULE												F/MK	ζ19 M	1G (E	7110	0)						Date:			Jun	e 2001				
												Fis	scal Y	'ear 0	)3									F	iscal	Year	04					
				S	PROC	ACCEP	BAL			_					Cale	endar	Year	r 03								Caler	dar Y	Year (	4			L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	oad, Assemble, and Pack									$\dashv$			$\dashv$																			
		8	FY 00 P	A	1.33	1.33	0.00																									0
		8	FY 00 P	A	1.44	1.44	0.00																									0
		8	FY 00	A	2.05	2.05	0.00																									0
		8	FY 01	A	2.92	0.64	2.28	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.28																0
		8	FY 02	A	2.75	0.00	2.75										0.26	0.37	0.38	0.38	0.38	0.38	0.38	3 0.22	2							0
		1	FY 02	AF	0.06	0.00	0.06										0.06															0
		8	FY 00	MC	0.37	0.37	0.00																									0
		8	FY 00 P	SOF	0.14	0.14	0.00																									0
		8	FY 00	SOF	0.15	0.15	0.00																									0
		1	FY 01	SOF	0.11	0.11	0.00																									0
		1	FY 02	SOF	0.06	0.00	0.06										0.06															0
To	otal				11.38	6.23	5.15	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.28	0.38	0.37	0.38	0.38	0.38	0.38	0.38	3 0.22	2							
								O C T	N O V		J A N	F E B	M A R	A P R	M A Y		J U L	A U G	S E P	O C T	N O V	D E C	J A N			P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			MI	FR						ADM	IINLE	AD T	IME			MFR			TOTA	<b>L</b>	R	EMAF	KS				
F							REACHED	Nun	nber					Pri	or 1 O	ct	Af	fter 1 C	ct	At	fter 1 (	Oct	Α	After 1	Oct	_						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1		INITI	IAL				6			3			19			22		_						
1	TBS		.00		.38	1.30	0	,			RDER				6			3			16			19		4						
8	American Ordnance (MAAP), Milan, TN		.00		.38	1.30	0	8	3	INITI		_	_		6			3			19			22		4						
_											RDER		_		6			3			16			19		4						
$\vdash$										INITI			_													-						
$\vdash$											RDER		-													-						
$\vdash$										INITI		_	$\dashv$													-						
$\vdash$										INITI	RDER		-													-						
$\vdash$											IAL RDER		$\dashv$													1						
										KEUI	KDEK																					

	FY 05 / 06 BUDGET	PROL	UCTION	SCH	IEDUL:	E			item N 40MN				KED	F/Mk	ζ19 M	1G (E	7110	0)						Date:			June	e 2001				
												Fis	scal Y	'ear (	)5									F	iscal	Year	06					
				S	PROC	ACCEP	BAL								Cale	endar	Year	r 05								Calen	dar Y	ear 0	6			L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack									$\dashv$			$\dashv$			$\dashv$									$\vdash$							
		8	FY 00 P	A	1.33	1.33	0.00																									0
		8	FY 00 P	A	1.44	1.44	0.00																									0
		8	FY 00	A	2.05	2.05	0.00																									0
		8	FY 01	A	2.92	2.92	0.00																									0
L		8	FY 02	A	2.75	2.75	0.00						_			_							_									0
		1	FY 02	AF	0.06	0.06	0.00						_			_																0
L		8	FY 00	MC	0.37	0.37	0.00						_			_																0
_		8	FY 00 P	SOF	0.14	0.14	0.00		$\sqcup$				_																			0
_		8	FY 00	SOF	0.15	0.15	0.00			_			_			_									_							0
_		1	FY 01	SOF	0.11	0.11	0.00						_		_																	0
_		1	FY 02	SOF	0.06	0.06	0.00			_			_			_									_							0
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L		-								_	$\Box$		_	_	_	_									_							
		-			44.00	44.00							_		_																	
Тс	tal				11.38	11.38							-																			
								O C T	0	D E C		Е	M A R	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			Ml	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	RI	EMAR	.KS				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	fter 1 C	)ct	Af	fter 1 (	Oct	Α	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1		INIT	IAL				6			3			19			22		_						
1	TBS		.00		.38	1.30	0				RDER		_		6			3			16			19								
8	American Ordnance (MAAP), Milan, TN		.00		.38	1.30	0	8	8	INIT		_	_		6			3		_	19			22		4						
_									_		RDER		-		6			3			16			19		-						
_									-	INIT			-													1						
$\vdash$									_	INIT	RDER		-													1						
$\vdash$									-		RDER		$\dashv$													1						
										INIT			$\neg$													1						
											RDER		$\dashv$													1						

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	1	Date:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		ION				P-1 Item Nom CTO		ACTICE M781 (	(E74200)			
Program Elements for Code	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	15644	1126	961	1953								
Gross Cost	39.2	5.1	3.9	7.5	0.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	39.2	5.1	3.9	7.5	0.3							
Initial Spares												
Total Proc Cost	39.2	5.1	3.9	7.5	0.3							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M781 practice cartridge replaced the M407 practice cartridge. The M781 is a low cost, unfuzed fixed round of practice ammunition ready for use as issued and is compatible with the M79 and M203 Grenade Launchers. The cartridge case is made of plastic material and the projectile is also plastic with an aluminum rotating band. The ogive is made of a frangible plastic material and contains a colored dye in granular form, the consistency of talcum powder which is used to generate a signature. The propulsion system consists of a standard .38 caliber blank. This item is Code A, approved for service use.

#### **Justification:**

This is a training unique item; not used in combat. FY 2002 funds will be used to fund annualized production support cost.

TYPE CLASSIFICATION DATE: 1978

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature PRACTICE M781			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		3608	961	3.76	7105	1953	3.64						
SubTotal AMMO Hardware		3608			7105								
Production Support Costs													
Production Engineering		210			292			275					
Quality Assurance		2			8			8					
Industrial Stock Support		52			103								
SubTotal Prod. Support		264			403			283					
Total		3872		4.03	7508		3.85	283					

	rement History and Planning							J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNIT	TION	Weapon Syste	em Type:			em Nomeno RACTICE M781				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issi Date
Complete Round										
FY 2000	Martin Elec Perry, FL	C/FP	OSC, Rock Island, IL	Sep 2000	Jun 2001	961	3.76			
FY 2001	TBS	C/FP	OSC, Rock Island, IL	Aug 2001	Jun 2002	1953	3.64	Y		
REMARKS: TBS - To Be Selected										

	FY 01 / 02 BUDGET P	PROE	OUCTION	I SCH	IEDUL!	E			Item N 3 40M				<b>1</b> 781 (	(E742	200)									Date	e:			June	2001				
												Fi	scal Y	/ear	01										Fisc	cal Y	Year (	)2					
				S	PROC	ACCEP	BAL								Cal	endaı	r Yea	r 01								C	alend	lar Y	ear 0	2			L A
	COST ELEMENTS	M F R	FY	E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	A N	I F A E N E	7 1 3 :	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round																																
		2	FY 00 P	Α	0.30	0.00	0.30						0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02	2												0
		3	FY 00 P	A	0.70	0.35	0.35		0.10		0.04	0.20		0.01						L			L										0
		1	FY 00 P	A	0.14	0.00	0.14						0.07	0.07									┸										0
		1	FY 00	A	0.96	0.00	0.96									0.15	0.15	0.15	0.15	0.15	5 0.1	5 0.0	6										0
		2	FY 01	A	1.95	0.00	1.95											A		L	$\perp$	_	┸	_					0.24	0.23	0.04	0.24	1.20
		2	FY 00	AF	0.13	0.00	0.13				Ш						0.12			┖	╙	_	┸	4	4						Щ		0.01
		2	FY 01	AF	0.35	0.00	0.35				ш												┸										0.35
		2	FY 02	AF	0.18	0.00	0.18				ш												┸										0.18
		1	FY 00 P	MC	0.59	0.14	0.45	0.04	0.05		0.03			0.00	0.10	0.20							┸										0
		2	FY 00	MC	0.46	0.00	0.46				0.15		0.14	0.14	0.03						_		┸										0
		2	FY 01	MC	0.05	0.00	0.05				ш												┸										0.05
		2	FY 02	MC	0.42	0.00	0.42																┸										0.42
		2	FY 00 P	SOF	0.12	0.00	0.12									0.12							┸										0
		2	FY 00	SOF	0.06	0.00	0.06															0.0	6										0
																							┸										
																							_										
Т	otal				6.41	0.49	5.92	0.04	0.15		0.22	0.20	0.25	0.29	0.17	0.51	0.31	0.19	0.19	0.17	7 0.1	5 0.1	2						0.24	0.23	0.04	0.24	2.21
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	О	Е	A	۱ E	Ξ.	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	IFR						ADN	MINLE	EAD T	IME		1	MFI	R		TOT	AL		RE	MAR	KS				
F							REACHED	Nur	mber					Pr	rior 1 O	Oct	A:	fter 1 (	Oct	Α	After 1		_	After		t							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			5			13		┸		8								
1	Martin Elec, Perry, FL		.00	_	.23	.46	0				RDER				6			5		_	10		_	1:									
2	TBS		.00	-	.23	.46	0	:	2	INIT					6			3		┡	19		+	2:		_							
3	Dayron Corp, Orlando, FL		.00		.23	.46	0				RDER				6			3			16			1		_							
4	Action Mfg, Philadelphia, PA		.00	-	.23	.46	0	:	3	INIT					6			5 5		⊢	13 10		+	1:		_							
$\vdash$				-						_	RDER				6					$\vdash$	10		+	1:									
H								,	4	INIT	TAL				6			5 5		┢	13		+		8 5	_							
$\vdash$										INIT					o			J		$\vdash$	10		+	1.	J								
								ł			RDER		$\vdash$							┰			+			$\dashv$							
										KEU	KDEK																						

	FY 03 / 04 BUDGET P	FY 03 / 04 BUDGET PRODUCTION SCHEDULE													200)									Date:			Jur	e 200	1			
												Fi	scal Y	Year (	03									I	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 03								Cale	ıdar	Year	04			L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round																								$\vdash$	$\vdash$			H			
		1	FY 00 P	A	0.14	0.14	0.00																									0
		2	FY 00 P	A	0.30	0.30	0.00																									0
		3	FY 00 P	A	0.70	0.70	0.00																									(
		1	FY 00	A	0.96	0.96	0.00																									C
		2	FY 01	A	1.95	0.75	1.20	0.20	0.24	0.24		0.08	0.04	0.05	0.13	0.13	0.09															0
		2	FY 00	AF	0.13	0.12	0.01	0.01																								0
		2	FY 01	AF	0.35	0.00	0.35				0.24	0.11																				0
		2	FY 02	AF	0.18	0.00	0.18						0.10	0.08																		0
		1	FY 00 P	MC	0.59	0.59	0.00																									0
		2	FY 00	MC	0.46	0.46	0.00																									0
		2	FY 01	MC	0.05	0.00	0.05					0.05																				0
		2	FY 02	MC	0.42	0.00	0.42						0.10	0.10	0.10	0.10	0.02															0
		2	FY 00 P	SOF	0.12	0.12	0.00																									0
		2	FY 00	SOF	0.06	0.06	0.00																									0
To	otal				6.41	4.20	2.21	0.21	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.11															
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B		P	M A Y	J U N	J U L		S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR	t .		TOTA	<b>\</b> L	R	EMA	RKS				
F							REACHED	Nur	nber					Pr	ior 1 O	ct	Ai	fter 1 C	)ct	A	fter 1	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				6			5			13			18								
1	Martin Elec, Perry, FL		.00		.23	.46	0		ı	REO	RDER				6			5			10			15		_						
2	TBS		.00		.23	.46	0	1	2	INIT					6			3			19			22		1						
3	Dayron Corp, Orlando, FL		.00		.23	.46	0				RDER				6			3			16			19		4						
4	Action Mfg, Philadelphia, PA		.00		.23	.46	0	:	3	INIT					6			5			13			18		4						
_											RDER				6			5			10			15		4						
_								4	4	INIT					6			5			13			18		4						
_											RDER				6			5			10			15		-						
_										INIT																1						
										KEO	RDER																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	June 2001		
Appropriation/Budget Act Procurement of Ammunition, A		ION				P-1 Item Non NO		VEAPONS CAF	PABILITY SE	Т (Е91800)		
Program Elements for Cod	le B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			5	5	5							
Gross Cost			7.7	10.3	5.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			7.7	10.3	5.9							
Initial Spares												
Total Proc Cost			7.7	10.3	5.9							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Non-Lethal Weapons Capability Set (NLCS) includes Soldier Protection Items, non-lethal munitions, training items and other items. The sets will provide a call forward capability to the CINC's, and will be upgraded as technology improves. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

#### Justification:

The FY 2002 procurement will provides the friendly force a non-lethal means to temporarily distract/disorient non-combatants.

Type Classification: All components of the NLCS are either on a GSA contract or will be type classified as separate systems.

Acquisition Manager: Project Manager, Mines Countermine and Demolitions (PM-MCD)

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature AL WEAPONS CAI		1800)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Hardware Complete Set		4147	5	829	7393	5	1479	4788	5	958			
Subtotal		4147			7393			4788					
<b>Production Support</b>													
Production Engineering		1556			1133			503					
Quality Assurance		406			308			200					
Subtotal		1962			1441			703					
Non Recurring Costs													
Special Tooling &Testing (AWE)		105											
Health Hazard Assessment		300			250			150					
Industrial Stock Support Integrated Logistics Support		250 400			250 450			150 250					
Urgent Fielding Materiel Release		360			518			230					
Product Improvements		188			250								
Subtotal		1603			1468			400					
m . I					10202			<b>*</b> 00.1					
Total		7712			10302			5891					

Exhibit P-5a, Budget Proc	urement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMU!	NITION	Weapon Syste	m Type:			em Nomenc WEAPONS CA	elature: PABILITY SET (E91	800)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Complete Set										
FY 2000	ARDEC Picatinny Arsenal, NJ	SS/FP	ARDEC	Mar 00	Apr 00	5	829	Yes		
FY 2001	ARDEC Picatinny Arsenal, NJ	SS/FP	ARDEC	Aug 01	Jan 02	5	1479	Yes		
FY 2002	ARDEC Picatinny Arsenal, NJ	Option	ARDEC	Dec 01	Aug 02	5	958	Yes		
REMARKS:	ı									

	FY 00 / 01 BUDGET I	PROE	OUCTION	SCE	IEDUL	E			Item N NLETI				5 САР	ABII	LITY S	SET (	E918	300)						Date:			Jun	e 2001	l			
												Fis	scal Y	'ear (	)0									F	iscal	Year	01					
				S	PROC	ACCEP	BAL								Cale	endar	Year	r 00							_	Caler	dar '	ear (	1			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	mplete Set										Н					$\dashv$										$\vdash$						
		1	FY 00	A	5	0	5						Α	1					4													0
		1	FY 01	A	5	0	5																							Α		5
		1	FY 02	A	5	0	5																									5
																													L			
Tot	al				15		15							1					4													10
								O C T	N O V	D E C	J A N	Е	Α	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	J U N	J U L	A U G	Е	
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F							REACHED	Nu	mber					Pri	ior 1 Oc	ct	Af	fter 1 C	Oct	A	fter 1 (	Oct	Α	After 1	Oct							
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	FY 04 / 05 BUDGET P	ROD	UCTION	SCH	IEDUL]	E			tem N				5 САР	ABIL	ITY S	SET (I	E918	00)					]	Date:			Jun	e 200	1			
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				S	PROC	ACCEP	BAL			_			_		Cale	ndar	Year	· 04								Caler	dar '	Year (	)5			L A
	COST ELEMENTS	M F R	FY	E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
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M			PR	ODUCTI	ON RATES			Ml	FR						ADM	INLE	AD TI	ME			MFR			ТОТА	L	R	EMAF	RKS				
F							REACHED	Nun	nber					Pric	or 1 Oc	et	Afi	ter 1 O	ct	A	fter 1 (	Oct	A	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1		INIT	IAL				3			5			1			6								
1	ARDEC, Picatinny Arsenal, NJ		1.00		5.00	10.00	0				RDER				3			2			8			10		4						
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Exhi	bit P-40	, Budge	t Item J	ustifica	tion She	eet	Ι	Date:	J	June 2001		
		TION						R, ALL TYPES	(E89600)			
Program Elements for Code	B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	217.2	26.8	23.6	33.4	45.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	217.2	26.8	23.6	33.4	45.4							
Initial Spares												
Total Proc Cost	P-1 Item Nomenclature											
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This line includes 60mm Mortar Ammunition, All Types

Exhibit P-5, Weapon AMMO Cost Analysis		propriation/Bu Procurement of		ty/Serial No. Army / 1 / AMMUN	NITION		em Nomenclature RTAR, ALL TYPES			Weapon System 1	Гуре:	Date: June 2	001
AMMO	D		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD To	ΓotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
E67303 CTG MTR 60MM HE M720A1 W/MO Fuze E67304 CTG MTR 60MM HE W/PD FUZE M888 E70400 CTG MTR 60MM ILLUM M721/M767 E70500 CTG MTR 60MM SMOKE WP M722 E72000 CTG MTR 60MM 1/10 PRAC M766 E83500 REFURB KIT F/60MM PRAC M766 E92200 60MM MTR, FULL RANGE PRAC XM769 E92900 CTG,MTR,60MM HE W/PD FUZE,XM768		\$000 4936 15415 2960 300	2 231 9	\$ 2350 67 329	\$000 239 10671 2707 2941 16805	19 3 5 43	\$ 553 1 391	\$000 18279 7488 251 7535 11836	400 40 12 49 36	454 601 154	\$000	x1000	S
Total		23611			33363			45389					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	]	Date:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom CTO		. 60MM HE M72	0/M720A1 W	/M734 FUZE	(E67303)	
Program Elements for Code	e B Items:			Code: B	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1093	41	2		40							
Gross Cost	114.2	20.4	4.9		18.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	114.2	20.4	4.9		18.3							
Initial Spares												
Total Proc Cost	114.2	20.4	4.9		18.3							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M720A1 60mm High Explosive cartridge with Multi-Option Fuze is designed for use with the M224 lightweight company mortar system (LWCMS) in all light infantry battalions including Airborne, Air Assault and Ranger. The round is used against personnel and materiel providing both fragmentation and blast effect. It consists of a multi-option fuze, tail assembly, and projectile body with a TNT or composition B explosive fill. The composition B explosive will be replaced by a new insensitive explosive called PAX-21. Additional changes have been made to the fuze adaptor, packaging and fuze explosive charge. Lethality is maintained by using a high fragmentation steel (HF-1) shell body. The M720A1 also incorporates the highly reliable and countermeasure resistant M734A1 Multi-option fuze. The proximity fuze setting bursts at a height over the target which is optimized for lethality. The basic item is code A; it has been approved for service use. The M720A1 version is code B, not yet approved for service use.

#### Justification:

The FY 2002 procurement builds war reserve inventory and supports training.

Type Classification date: M720 STD Jan 86; M720A1 STD Jun 01

ACQUISITION MANAGER: PM Mortars

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION			e: 20/M720A1 W/M734	ı	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack Shell Body - HF1 Fuze, Multi-Option M734A1 Ignition Cartridge M702		179 96 534 45	2 2 2 2	85 44 245 21				3592 1903 9439 728	40 42 42 42	45 226			
Propelling Charge M235 Fin Assembly M27 SubTotal AMMO Hardware		54 14 <b>922</b>	9 2	6 6				1063 288 <b>17013</b>	165 42	6			
Production Support Costs Production Engineering Quality Assurance Acceptance Testing Interim Transportation		393 100 128 11						640 197 322 107					
SubTotal Prod. Support  COST - Nonrecurring  new element  Initial Production Testing  Materiel Change - Insensitive Munition  Calibration Lot		632 1191 2191						1266					
SubTotal COST - Nonrecurring		3382											
Total		4936		2360			454	18279		509			

ppropriation/Budget Activity/Serial No: rocurement of Ammunition, Army / 1 / AMMUNITION	ON	Weapon Syste	em Type:			em Nomeno R 60MM HE M7	elature: 20/M720A1 W/M734	FUZE (E67	303)	
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2000 FY 2002	UNKNOWN UNKNOWN	C/FP OPT	TACOM TACOM	Jun 01 Feb 02	Feb 04 Feb 04	2 40	85 89	NO NO	Jun 01 Jun 01	
Shell Body - HF1 FY 2000	Medico Industries Inc Scranton PA	C/FP	TACOM	Sep 00	Nov 01	2	44	YES	N/A	
FY 2002	Medico Industries Inc Scranton PA	OPT	TACOM	Feb 02	Feb 03	42	45	YES	N/A	
Fuze, Multi-Option M734A1										
FY 2000	KDI Precision Products Inc Cincinnati, OH	OPT	TACOM	Feb 00	Feb 01	2	245	YES	N/A	
FY 2002	KDI Precision Products Inc Cincinnati, OH	OPT	TACOM	Feb 02	Feb 03	42	226	YES	N/A	
Ignition Cartridge M702										
FY 2000	Hitech Inc Woodbury AR	C/FP	TACOM	Sep 00	Nov 01	2	21	YES	N/A	
FY 2002	Hitech Inc Woodbury AR	OPT	TACOM	Feb 02	Feb 03	42	17	YES	N/A	
Propelling Charge M235										
FY 2000	Valentec Systems Inc Mt. Arlington, NJ	OPT	TACOM	Mar 00	Apr 01	9	6	YES	N/A	
FY 2002	Valentec Systems Inc Mt. Arlington, NJ	OPT	TACOM	Feb 02	Mar 03	165	6	YES	N/A	

REMARKS: LAP for the M720A1, XM768 and XM769 will be combined on one contract. Shell bodies for the M720A1, XM768 and XM769 are combined on one contract. 60mm Mortar Common Components (M702 Ignition Cartridge, M235 Prop Charge and M27 fin) are procured on the same contract for all 60mm mortar rounds. The M734A1 fuze is common to the 60mm HE, 120mm HE and 120mm WP Smoke.

Original Contracts; M734A1 Fuze - C/FP FY98; M235 Prop Charge - C/FP FY98; M27 Fin Assembly - C/FP FY99

Exhibit P-5a, Budget Procu	rement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUN	TION	Weapon Syste	em Type:			em Nomeno R 60MM HE M7	elature: 220/M720A1 W/M734	4 FUZE (E67	303)	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Fin Assembly M27										
FY 2000	Gayston Corp. Springboro, OH	OPT	TACOM	Jul 00	Aug 01	2	6	YES	N/A	
FY 2002	Gayston Corp. Springboro, OH	ОРТ	TACOM	Feb 02	Jan 03	42	7	YES	N/A	

REMARKS: LAP for the M720A1, XM768 and XM769 will be combined on one contract. Shell bodies for the M720A1, XM768 and XM769 are combined on one contract. 60mm Mortar Common Components (M702 Ignition Cartridge, M235 Prop Charge and M27 fin) are procured on the same contract for all 60mm mortar rounds. The M734A1 fuze is common to the 60mm HE, 120mm HE and 120mm WP Smoke.

Original Contracts; M734A1 Fuze - C/FP FY98; M235 Prop Charge - C/FP FY98; M27 Fin Assembly - C/FP FY99

	FY 01 / 02 BUDGET 1	PROD	UCTION	SCE	IEDUL:	E			Item No MOR				M72	0/M7	20A1	W/M	[734]	FUZE	(E67	7303)				Date:			Jun	e 200	1			
												Fis	scal Y	'ear (	)1									I	iscal	Year	02					
ı				S	PROC	ACCEP	BAL								Cale	ndar	Year	r 01								Caler	dar `	Year	02			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack												$\dashv$			$\dashv$									+				H			
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		1	FY 00	A	2	0	2									Α																2
		1	FY 02	A	40	0	40																									40
Fu	ze, Multi-Option M734A1																															
		3	FY 00 P	A	43	43	0			_																			L			0
		3	FY 00	A	2	0	2			_		2																	L			0
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M			PR	ODUCT	ON RATES			M	FR						ADM	IINLE.	AD T	IME			MFR			TOTA	<b>L</b>		EMAI					
F							REACHED	Nur	nber					Pri	ior 1 Oc	ct	Af	ter 1 O	ct	Af	fter 1 (	Oct	Α	After 1	Oct	Pr	ior ye	ar pro	ducti	on lat	due	to delay
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			7			28			35						ion of change		sitive
1	UNKNOWN		5.00		10.00	25.00	0		1	REO	RDER				3			5			21			26			*********	11141	· 11111			
3	KDI Precision Products Inc, Cincinnati, OH		5.00		15.00	40.00	0	3	3	INIT			_		0			0			0			0		4						
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	FY 03 / 04 BUDGET P	PROD	OUCTION	SCE	IEDUL:	E			Item N 3 MOR				E M72	20/M7	720A1	W/M	1734	FUZE	E (E67	7303)				Date	e:			June	2001				
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				S	PROC	ACCEP	BAL								Cal	endar	r Yea	r 03								C	alend	ar Y	ear 0	4			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	N A R	Л А ?	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	pad, Assemble, and Pack																									1							
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		1	FY 02	A	40	0	40		Ш		Ш														3	10	10	10	7				0
Fu	ze, Multi-Option M734A1										Ш												L	_	4	4							
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F							REACHED	Nur	mber					Pr	ior 1 O	oct	A	fter 1 (	)ct	Ai	fter 1	Oct	1	After	l Oct								elay in
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT	TAL				6			7			28			35	5				ssific mate				ive
1	UNKNOWN		5.00		10.00	25.00	0		1	REO	RDER				3			5			21			20	5	_	mai			.141 0			
3	KDI Precision Products Inc, Cincinnati, OH		5.00		15.00	40.00	0		3	INIT					0			0			0		┺	0		4							
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				S	PROC	ACCEP	BAL								Cale	ndar	Yea	r 05								Cale	ndar	Year	06			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack									$\dashv$		$\dashv$	$\dashv$		$\dashv$	$\dashv$										$\vdash$	$\vdash$	+	t	+		
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Fu	ze, Multi-Option M734A1									_		_	_			_								╙	╙	┖		╙	┺	_		
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Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	Γ	Oate:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom CTO		60MM HE W/P	D FUZE M88	8 (E67304)		
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	52	30	231									
Gross Cost	5.8	2.0	15.4	0.2								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	5.8	2.0	15.4	0.2								
Initial Spares												
Total Proc Cost	5.8	2.0	15.4	0.2								
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The round is used against personnel and materiel providing both fragmentation and blast effect. It uses the M935 fuze, fin assembly, and a projectile body with a TNT explosive fill. The round uses a point detonating fuze. This item is Code A, approved for service use.

#### Justification:

Procurement supports annual peacetime training requirements and builds toward a depot level.

TYPE CLASSIFICATION DATE: 1986

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/E Procurement of		vity/Serial No. n, Army / 1 / AMMU	NITION		tem Nomenclatur FAR 60MM HE W/F	e: PD FUZE M888 (E6	7304)	Weapon System	Type:	Date: June 2	2001
AMMO II	)	FY 00			FY 01			FY 02			FY 03	
Cost Elements C	D TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE												
Load, Assemble, and Pack	6299	231	27.30									
*M720 Proj MPTS	2452	240	10.22									
*Comp B Type I Grade A (LB)	286	185	1.55									
*TNT Type I Flake (LB)	130	92	1.41									
M27 Fin Assembly	1355	240	5.65									
M702 Ignition Cartridge	2810	240	11.71									
*M9 Flake .006 F/60MM (LB)	105	2	57.00									
*Nitrocellulose WW GR A (LB)	38	8	5.00									
*M10 Flake .008 (LB)	351	18	19.00									
LAP Chg Prop M204	793	932	0.85									
Container Assy M204	2106	932	2.26									
*M935 Fuze	1324	238	5.57									
FZ MPTS M935	1199	120	10.00									
*FZ MPTS M935	2885	120	24.04									
*Comp A-5 Class 1 (LB)	54	7	7.85									
*RDX Type II Clas 3 (LB)	3		8.57									
SubTotal AMMO Hardware	22190											
Production Support Costs												
Production Engineering	157			239								
Quality Assurance	5											
Acceptance Testing	75											
Interim Transportation	294											
Industrial Stock Support	322											
SubTotal Prod. Support	853			239								
COST - Nonrecurring												
Government Furnished Material	-7628											
SubTotal COST - Nonrecurring												
Total	15415		66.82	239								

Exhibit P-5a, Budget Procureme	nt History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			em Nomenc	lature: PD FUZE M888 (E67	7304)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2000	American Ordnance (MAAP) Milan, TN	SS/FP	OSC, Rock Island, IL	Jul 2000	Mar 2001	231	27.30			
*M720 Proj MPTS										
FY 2000	Stock Issue	N/A	N/A	N/A	N/A	240				
*Comp B Type I Grade A (LB)										
FY 2000	Stock Issue	N/A	N/A	N/A	N/A	185				
*TNT Type I Flake (LB)	C. I.I.	27/4	27/4	27/1	27/1	02				
FY 2000 M27 Fin Assembly	Stock Issue	N/A	N/A	N/A	N/A	92				
FY 2000	Wilkinson Mfg. Fort Calhoun, NE	C/FP	OSC, Rock Island, IL	Feb 2000	Oct 2000	240	5.65			
M702 Ignition Cartridge										
FY 2000	American Ordnance (MAAP) Milan, TN	SS/FP	OSC, Rock Island, IL	Jul 2000	Oct 2000	240	11.71			
*M9 Flake .006 F/60MM (LB)										
FY 2000 *Nitrocellulose WW GR A (LB)	Stock Issue	N/A	N/A	N/A	N/A	2				

E89600 (E67304) CTG MORTAR 60MM HE W/PD FUZE M888

\*Government Furnished Material

REMARKS:

Item No. 13 Page 12 of 38 133

Exhibit P-5a Procurement History and Planning

Exhibit P-5a, Budget Procure	ment History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION	N	Weapon Syste	em Type:			em Nomeno	lature: PD FUZE M888 (E67	7304)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
FY 2000 *M10 Flake .008 (LB)	Stock Issue	N/A	N/A	N/A	N/A	8				
FY 2000 LAP Chg Prop M204	Stock Issue	N/A	N/A	N/A	N/A	18				
FY 2000	American Ordnance (MAAP) Milan, TN	SS/FP	OSC, Rock Island, IL	Jun 2000	Oct 2000	932	0.85			
Container Assy M204 FY 2000	Armtec Defense Prod Coachella, CA	SS/FP	OSC, Rock Island, IL	Jan 2000	May 2000	932	2.26			
*M935 Fuze	Couchena, C. I									
FY 2000 *FZ MPTS M935	Stock Issue	N/A	OSC, Rock Island, IL	N/A	N/A	238				
FY 2000	American Ordnance (MAAP) Milan, TN	SS/FP	OSC, Rock Island, IL	May 2000	Feb 2001	120	10.00			
FY 2000 *Comp A-5 Class 1 (LB)	Stock Issue	N/A	N/A	N/A	N/A	120		Y		
FY 2000 *RDX Type II Clas 3 (LB)	Stock Issue	N/A	N/A	N/A	N/A	7				

E89600 (E67304) CTG MORTAR 60MM HE W/PD FUZE M888

\*Government Furnished Material

REMARKS:

Item No. 13 Page 13 of 38 134

Exhibit P-5a Procurement History and Planning

Exhibit P-5a, Budget Procurement His	tory and Planning							Jı	ine 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syster	n Type:			em Nomencl 60MM HE W/P	ature: D FUZE M888 (E673	04)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2000	Stock Issue	N/A	N/A	N/A	N/A					
REMARKS: *Government Furnished Material										

	FY 01 / 02 BUDGET P	ROL	UCTION	SCH	IEDULI	E			item N MOR				E W/P	D FU	ZE M	1888 (	E673	304)						Date	):			June	2001	ļ			
												Fis	scal Y	Zear (	)1										Fisca	al Y	/ear (	)2					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 01								C	alenc	lar Y	'ear 0	2			L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	N A F	Л А ?	A P R	M A Y	J U N	J U L	A U G	S E P	Т
Lo	ad, Assemble, and Pack										Н														+	+							
		2	FY 00	A	231.0	0.0	231.0						40.0	40.0	40.0	40.0	40.0	31.0															0
		2	FY 00 P	MC	120.0	0.0	120.0			40.0	40.0	40.0																					0
		2	FY 00	MC	198.0	0.0	198.0												36.0	40.0	40.0	39.0	0 30.	0 13	.0								0
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		2	FY 00	MC	198.0	198.0	0.0																									0
		2	FY 01	MC	3.0	3.0	0.0																									0
		2	FY 00 P	NS	39.0	39.0	0.0																									0
		2	FY 00 P	NS	4.0	4.0	0.0																									0
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	EMAF	KS				
F							REACHED	Nur	nber					Pri	or 1 O	ct	Af	fter 1 C	)ct	Af	fter 1 (	Oct	A	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	,	<b>1</b>	INIT					6			3			21			24								
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												Fis	scal Y	'ear (	)5									F	iscal	Year	06					
l				S	PROC	ACCEP	BAL			_					Cale	endar	Year	r 05								Calen	dar Y	ear (	6			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
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		2	FY 00	MC	198.0	198.0	0.0																									0
		2	FY 01	MC	3.0	3.0	0.0																									0
		2	FY 00 P	NS	39.0	39.0	0.0																									0
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Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nor CTO		60MM ILLUM	M721/M767 (	E70400)		
Program Elements for Code	e B Items:			Code: A	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	104			19	12							
Gross Cost	50.4	0.7		10.7	7.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	50.4	0.7		10.7	7.5							
Initial Spares												
Total Proc Cost	50.4	0.7		10.7	7.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 60MM Mortar Illuminating Cartridges are designed for use with the M224 lightweight company mortar system (LWCMS) in all light infantry battalions including Airborne, Air Assault and Ranger. The M721 will provide visible light illuminating capability at the same effective range as the companion High Explosive (HE) Cartridges, M720/M720A1 (Range 3,200-3,800 Meters Maximum). This is triple the range of the ammunition it replaces. The M767 provides infrared illumination which greatly enhances the effectiveness of night vision devices. The two rounds are identical except for the composition of the illuminant. The M721/M767 Illumination Cartridges are ballistically similar to the M720A1 HE Cartridge, allowing a gun to illuminate and fire on the same target without adjustments. Procurements include both visible light, M721, and infrared illuminant, M767. These items are Code A; Type Classified (TC) and have been approved for service use.

#### **Justification:**

The FY 2002 procurement meets the annual peacetime training requirements and builds a war reserve stockpile in support of fielded Mortar Weapons.

Type Classification date: Visible Light SEP 87; infrared TC Low Rate Procurement MAY 98, TC STD SEP 99

Acquisition Manager: PM MORTARS

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/E Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature FAR 60MM ILLUM	e: M721/M767 (E7040)		Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack M721/M767 VL Illumination Cannister IR Illumination Cannister Body Tube & Tail Cone					2300 829 1028 632	19 10 10 20	119 83 102 31	1510 544 675 424	12 6 6 13	121 84 104 33			
Parachute Fuze, MTSQ, M776 Ignition Cartridge M702 Propelling Charge M235					342 2763 349 500	20 20 20 79	17 138 17 6	225 1814 225 329	13 13 13 51	17 140 17 6			
Fin Assembly M27					134	20	7	89	13	7			
SubTotal AMMO Hardware					8877			5835					
Production Support Costs Production Engineering Quality Assurance Acceptance Testing Interim Transportation					1156 250 290 98			1174 254 169 56					
SubTotal Prod. Support					1794			1653					
Total					10671		553	7488		601			

Exhibit P-5a, Budget Procuremen	it History and Planning							J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			em Nomenc	lature: I M721/M767 (E7040	00)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack M721/M767										
FY 2001	Pine Bluff Arsenal Pine Bluff, AR	SS/CR	TACOM	Mar 01	Dec 02	19	119	YES	N/A	
FY 2002	Pine Bluff Arsenal Pine Bluff, AR	SS/CR	TACOM	Mar 02	Dec 03	12	121	YES	N/A	
VL Illumination Cannister										
FY 2001	Crane Army Ammunition Activity Crane IN	SS/CR	TACOM	Mar 01	Apr 02	10	83	YES	N/A	
FY 2002	Crane Army Ammunition Activity Crane IN	SS/CR	TACOM	Mar 02	Apr 03	6	84	YES	N/A	
IR Illumination Cannister										
FY 2001	Crane Army Ammunition Activity Crane IN	SS/CR	TACOM	Mar 01	Apr 02	10	102	YES	N/A	
FY 2002	Crane Army Ammunition Activity Crane IN	SS/CR	TACOM	Mar 02	Apr 03	6	104	YES	N/A	
Body Tube & Tail Cone										
FY 2001	Lewis Engineering Marshall, TX	OPT	TACOM	Feb 01	Jan 02	20	31	YES	N/A	
FY 2002	Lewis Engineering Marshall, TX	OPT	TACOM	Feb 02	Jan 03	13	33	YES	N/A	
Parachute										
FY 2001	UNKNOWN	C/FP	TACOM	Jul 01	Aug 02	20	17	YES	N/A	
FY 2002	UNKNOWN	ОРТ	TACOM	Feb 02	Jan 03	13	17	YES	N/A	

Pine Bluff Arsenal is a government owned/government operated (GOGO) facility. The illuminant candle assembly is produced at Crane Army Ammunition Activity, Crane IN, another GOGO REMARKS: facility. Work is performed through work orders, not contracts.
60mm Common Components (M720 Ignition Cartridge, M235 Prop Charge, M27 Fin) are procured on the same contract for all 60mm rounds.
Original Contracts; M776 Fuze - SS/FP FY99; M235 Prop Charge C/FP FY98; M702 Prop Charge C/FP FY00; M27 Fin Assembly M27 C/FP FY99

rocurement of Ammunition, Army / 1 / AMMUNITION //BS Cost Elements:	N		em Type:			em Nomeno				
/BS Cost Elements:					CTG MORTAI	R 60MM ILLUM	I M721/M767 (E7040	0)		
	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issa Date
Fuze, MTSQ, M776										
FY 2001	Diehl GMBH Schramberg, GER	OPT	TACOM	Mar 01	Apr 02	20	138	YES	N/A	
FY 2002	Diehl GMBH Schramberg, GER	OPT	TACOM	Mar 02	Apr 03	13	140	YES	N/A	
Ignition Cartridge M702										
FY 2001	HiTech Inc Woodbury AR	OPT	TACOM	May 01	Jul 02	20	17	YES	N/A	
FY 2002	HiTech Inc Woodbury AR	OPT	TACOM	Feb 02	Apr 03	13	17	YES	N/A	
Propelling Charge M235										
FY 2001	Valentec Systems Inc. Mt. Arlington, NJ	OPT	TACOM	Feb 01	Mar 02	79	6	YES	N/A	
FY 2002	Valentec Systems Inc. Mt. Arlington, NJ	OPT	TACOM	Feb 02	Mar 03	51	6	YES	N/A	
Fin Assembly M27										
FY 2001	Gayston Corp. Springboro, OH	OPT	TACOM	Feb 01	Jan 02	20	7	YES	N/A	
FY 2002	Gayston Corp. Springboro, OH	OPT	TACOM	Feb 02	Jan 03	13	7	YES	N/A	

Pine Bluff Arsenal is a government owned/government operated (GOGO) facility. The illuminant candle assembly is produced at Crane Army Ammunition Activity, Crane IN, another GOGO REMARKS: facility. Work is performed through work orders, not contracts.
60mm Common Components (M720 Ignition Cartridge, M235 Prop Charge, M27 Fin) are procured on the same contract for all 60mm rounds.
Original Contracts; M776 Fuze - SS/FP FY99; M235 Prop Charge C/FP FY98; M702 Prop Charge C/FP FY00; M27 Fin Assembly M27 C/FP FY99

	FY 01 / 02 BUDGET P	ROD	UCTION	SCE	IEDUL	E			Item N 3 MOR				LUM	M721	1/M76	67 (E7	0400	))						Date:			Jun	e 2001				
												Fi	scal Y	∕ear (	)1									F	iscal	Year	02					
				S	PROC	ACCEP	BAL				Ь,		_		Cale	endar	Yea	r 01						_	_	Caler	dar '	ear (	2			L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	oad, Assemble, and Pack M721/M767								Н		Н																					
		1	FY 00 &P	A	54	0	54						5	10	15	15	9															0
		1	FY 01	A	19	0	19						Α																			19
		1	FY 02	A	12	0	12																									12
Fu	ize, MTSQ, M776																															
		3	FY 00 &P	Α	56	56	0																									0
		3	FY 01	A	20	0	20						A													10	1(					0
		3	FY 02	A	13	0	13																									13
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To	otal				174	56	118						5	10	15	15	9									10	10					44
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M			PR	ODUCT	ON RATES			M	FR						ADM	4INLE	AD T	IME			MFR			TOTA	ιL	R	EMAF	KS				
F							REACHED	Nur	mber					Pri	ior 1 O	ct	Af	ter 1 C	ct	At	fter 1 (	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT	TAL				6			6			24			30								
1	Pine Bluff Arsenal, Pine Bluff, AR		6.00		20.00	35.00	0		1	REO	RDER				3			6			21			27		1						
3	Diehl GMBH, Schramberg, GER		5.00		30.00	90.00	0		3	INIT			_		0			0			0			0		4						
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				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 03								Cale	ndar	Yea	r 04				L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	I . U	J V	J U L	A U G	S E P	T E R
Lo	oad, Assemble, and Pack M721/M767								Н	$\dashv$			$\dashv$			$\dashv$								+		۲	+	+	+	$\dashv$	$\dashv$		
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Fu	ize, MTSQ, M776																																
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F							REACHED	Nuı	mber					Pri	ior 1 O	ct	Ai	fter 1 (	Oct	At	fter 1	Oct	I	After 1	Oct	┛							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INITI					6			6			24			30		4							
1	Pine Bluff Arsenal, Pine Bluff, AR		6.00		20.00	35.00	0		1	REOF	RDER				3			6			21			27		4							
3	Diehl GMBH, Schramberg, GER		5.00		30.00	90.00	0		3	INITI		_	_		0			0			0		┺	0		4							
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	FY 05 / 06 BUDGET P	ROD	UCTION	SCH	IEDUL	E			Item No MOR				LUM	M721	∣/M76	57 (E7	0400	))						Date:			Jur	ie 200	1			
												Fis	scal Y	'ear (	)5									I	iscal	Year	· 06					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 05								Cale	ndar	Year	06			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Т
Lo	pad, Assemble, and Pack M721/M767							_					$\dashv$																t		+	
Г		1	FY 00 &P	A	54	54	0																									
		1	FY 01	A	19	19	0		П																	Т			Т			
		1	FY 02	A	12	12	0																									
Fu	ize, MTSQ, M776																															
		3	FY 00 &P	A	56	56	0																									
		3	FY 01	A	20	20	0																									
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To	otal				174	174																										
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	or 1 O	ct	Af	fter 1 C	ct	A	fter 1 (	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			6			24			30		1						
1	Pine Bluff Arsenal, Pine Bluff, AR		6.00		20.00	35.00	0		1	REO	RDER				3			6			21			27		1						
3	Diehl GMBH, Schramberg, GER		5.00		30.00	90.00	0		3	INIT		_	_		0			0			0			0		4						
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Exhi	bit P-40	, Budge	t Item J	ustifica	tion She	eet	1	Date:	J	June 2001					
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom 60M		AR, FULL RANC	E PRACTICE	E ROUND, XI	И769 (E92200)				
Program Elements for Code 648	B Items: 802/D613			Code: B	Other Relate	ed Program Ele	ements:								
	Prior Years FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Complete Total Property Complete City States of the City St														
Proc Qty	oc Qty 5 49														
Gross Cost		1.0		2.9	7.5										
Less PY Adv Proc															
Plus CY Adv Proc															
Net Proc (P-1)		1.0		2.9	7.5										
Initial Spares															
Total Proc Cost		1.0		2.9	7.5										
Flyaway U/C															
Wpn Sys Proc U/C															

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The XM769 60mm Full Range Practice Cartridge is designed for use with the M224 lightweight company mortar system (LWCMS) in all light infantry battalions including Airborne, Air Assault and Ranger. The XM769 is a low-cost, full range, practice round that will replace a percentage of the standard High Explosive (HE) rounds used in 60mm mortar training. It consists of a M775 point detonating practice fuze which simulates the multi-option fuze and provides flash, bang and smoke; a steel body that approximates the shape of the 60mm HE service round; and a fin assembly, ignition cartridge and propelling charge that make up the propulsion system. This item is code B, not yet approved for service use.

#### **Justification:**

This is a training-unique item; not used in combat. Use of the XM769 will reduce training costs and environmental impacts. FY 2002 procurement supports annual peacetime training requirements and builds toward authorized depot level for training unique ammunition.

Type Classification date: TC (STD) June 2001

Acquisition Manager: PM MORTARS

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/E Procurement o		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature RTAR, FULL RANC 2200)		IND,	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack Shell Body Fuze, Practice, M775 Ignition Cartridge M702 Propellant Charge M235 Fin Assembly M27  SubTotal AMMO Hardware  Production Support Costs Production Engineering Quality Assurance Acceptance Testing Interim Transportation  SubTotal Prod. Support  COST - Nonrecurring Initial Production Testing Calibration Lot  SubTotal COST - Nonrecurring					121 159 93 90 129 35 <b>627</b> 576 62 100 34 <b>772</b> 1040 502 <b>1542</b>	5 5 5 5 21	24 31 18 17 6 7	1203 1593	49 51 51 51 200 51	31 18 17 6			
Total					2941		588	7535		154			

Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNIT	d Pack  UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN  Medico Industries Scranton PA Medico Industries Scranton PA  UNKNOWN  UNKNOWN	Weapon Syste	m Type:			em Nomenc ar, full ran	lature: GE PRACTICE ROU	ND, XM769	) (E92200)	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2001		C/FP	TACOM	Jun 01	Jun 03	5	24	NO	MAR 01	
FY 2002		OPT	TACOM	Feb 02	Nov 03	49	25	NO	MAR 01	
Shell Body										
FY 2001		OPT	TACOM	Apr 01	Apr 02	5	31	YES		
FY 2002		OPT	TACOM	Feb 02	Feb 03	51	31	YES		
Fuze, Practice, M775										
FY 2001		C/FP	TACOM	Jun 01	Aug 02	5	18	YES		
FY 2002		OPT	TACOM	Feb 02	Feb 03	51	18	YES		
Ignition Cartridge M702										
FY 2001		OPT	TACOM	Feb 01	Apr 02	5	17	YES		
FY 2002		OPT	TACOM	Feb 02	Apr 03	51	17	YES		
Propellant Charge M235										
FY 2001		OPT	TACOM	Feb 01	Mar 02	21	6	YES		
FY 2002		ОРТ	TACOM	Feb 02	Mar 03	200	6	YES		

REMARKS: LAP for the M720A1, XM768 and XM769 will be combined on one contract. Shell bodies for the M720A1, XM768 and XM769 are combined on one contract. 60mm Common Components (M702 Ignition Cartridge, M235 Prop Charge and M27 Fin) are procured on the same contract for all 60mm rounds. Original Contracts; Shell Body C/FP FY99; M702 Ignition Cartridge C/FP FY00; M235 Prop Charge C/FP FY98; M27 Fin Assembly M27 C/FP FY99

Exhibit P-5a, Budget Procu	rement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNI	opriation/Budget Activity/Serial No: rement of Ammunition, Army / 1 / AMMUNITION  Cost Elements: Contractor and Location	Weapon Syste	em Type:			em Nomeno AR, FULL RAN	elature: GE PRACTICE ROU	JND, XM769	(E92200)	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issi Date
Fin Assembly M27										
	Springboro, OH	ОРТ	TACOM	Feb 01	Jan 02	5	7	YES		
FY 2002	Gayston Corp. Springboro, OH	OPT	TACOM	Feb 02	Jan 03	51	7	YES		

REMARKS: LAP for the M720A1, XM768 and XM769 will be combined on one contract. Shell bodies for the M720A1, XM768 and XM769 are combined on one contract. 60mm Common Components (M702 Ignition Cartridge, M235 Prop Charge and M27 Fin) are procured on the same contract for all 60mm rounds. Original Contracts; Shell Body C/FP FY99; M702 Ignition Cartridge C/FP FY00; M235 Prop Charge C/FP FY98; M27 Fin Assembly M27 C/FP FY99

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	IEDUL	E			Item N IM M(				RANC	GE PR	RACT	ICE F	ROUN	ND, X	M769	9 (E92	2200)			Date:			June	2001				
													iscal Y											F	'iscal	Year	02					
				S	PROC	ACCEP	BAI								Calo	endar	r Yea	r 01								Calen	dar Y	ear 0	2			L
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Loa	nd, Assemble, and Pack																H															
		1	FY 01	A	5	0	5									Α																5
		1	FY 02	A	49	0	49																									49
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M			PR	ODUCTI	ON RATES			М	IFR						ADM	ЛINLЕ	EAD T	ΊΜΕ			MFR			ТОТА	L	RI	EMAR	KS				
F							REACHED		mber					Pr	ior 1 O			fter 1 (	Oct	A	fter 1			fter 1		1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΓIAL				6			6			24			30		1						
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	FY 03 / 04 BUDGET I	PROE	OUCTION	SCE	IEDUL	E			Item N IM M(				RANG	GE PR	RACTI	ICE R	ROUN	ND, X	M769	9 (E92	2200)			Date:			Jun	e 200	l			
												Fi	iscal Y	Year (	03									I	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 03								Caler	ıdar `	Year (	)4			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Loa	nd, Assemble, and Pack							_																	+							
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M			PR	ODUCT:	ON RATES			М	IFR						ADM	IINLE	AD T	IME			MFR			TOTA	ΛL	R	EMAI	RKS				
F							REACHED	Nu	mber					Pr	ior 1 O	ct	Af	fter 1 C	Oct	At	fter 1 (	Oct	Α	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΓIAL				6			6			24			30								
1	UNKNOWN, UNKNOWN		5.00		15.00	40.00	0		1	REO	ORDER				3			5			21			26								
										INIT	ΓIAL																					
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	FY 05 / 06 BUDGET P	PROD	UCTION	SCH	IEDUL	E			Item N				RANG	GE PR	RACT	ICE F	ROUN	ND, X	M769	9 (E92	2200)	)		Date:			Jun	e 2001	Į			
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				S	PROC	ACCEP	BAI								Cal	endaı	r Yea	r 05								Caler	dar Y	Year (	16			L
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Loa	id, Assemble, and Pack																															
		1	FY 01	A	5	5	0																						Г			0
		1	FY 02	A	49	49	0																						Г			0
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M			PR	ODUCTI	ON RATES			M	FR						ADN	MINLE	EAD T	IME			MFR	l.		TOTA	<b>L</b>	R	EMAF	KS				
F							REACHED	Nur	nber					Pr	ior 1 C	Oct	A	fter 1 (	Oct	A	fter 1	Oct	Α	After 1	Oct	J						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT	IAL				6			6			24			30								
1	UNKNOWN, UNKNOWN		5.00		15.00	40.00	0		1	REO	RDER				3			5			21			26								
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Exhi	bit P-40	, Budge	t Item J	ustifica	tion She	eet		Date:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom CTO		R,60MM HE W/P	D FUZE,XM7	768 (E92900)		
Program Elements for Code	B Items:			Code: B	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 200	4 FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty				43	36							
Gross Cost			0.3	16.8	11.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			0.3	16.8	11.8							
Initial Spares												
Total Proc Cost			0.3	16.8	11.8							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 60MM Mortar High Explosive/Point Detonating (HE/PD) cartridges are designed for use with the M224 lightweight company mortar system (LWCMS) in all light infantry battalions including Airborne, Air Assault and Ranger. It will use the new XM783 dual safety, point detonating/delay fuze. It will also use PAX-21 insensitive explosive fill, and a new fuze adapter and packaging which will enable the round to meet most insensitive munition requirements. Lethality is maintained by using a high fragmentation steel (HF-1) shell body. The tail assembly and propulsion system will be common to all other 60mm rounds. This round will be used primarily in training because it is significantly less expensive than the M720A1, the preferred warfighting round. However, the XM768 will be lethal and can be used in combat. This item is code B; not yet been approved for service use.

#### Justification:

FY 2002 procurement supports annual training requirements and establishes an initial training stockpile.

TYPE CLASSIFICATION DATE: June 2001

ACQUISITION MANAGER: PM Mortars

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature ΓAR,60MM HE W/P			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack Shell Body HF1 Fuze, Point Detonating, XM783 Ignition Cartridge M702 Propellant Charge M235 Fin Assembly M27  SubTotal AMMO Hardware  Production Support Costs Production Engineering Quality Assurance Acceptance Testing Interim Transportation  SubTotal Prod. Support  COST - Nonrecurring Initial ProductionTesting Calibration Lot PD/Delay Fuze - Materiel Change  SubTotal COST - Nonrecurring		300 <b>300</b>			3776 1974 4159 777 1113 299 12098 1000 200 358 119 1677 1623 1407	43 45 45 45 176 45	88 44 93 17 6 7	3259 1726 3590 660 964 261 <b>10460</b> 710 205 345 116 <b>1376</b>	38 38 38 150 38	89 45 95 17 6 7			
Total		300			16805			11836					

propriation/Budget Activity/Serial No: ocurement of Ammunition, Army / 1 / AMMUNITIO	NC	Weapon Syste	ет Туре:			em Nomenc	elature: PD FUZE,XM768 (E	92900)		
BS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Load, Assemble, and Pack										
FY 2001	UNKNOWN	C/FP	TACOM	Jun 01	Apr 03	43	88	NO	Mar 01	
FY 2002	UNKNOWN	OPT	TACOM	Feb02	Nov 03	36	89	NO	Mar 01	
Shell Body HF1										
FY 2001	Medico Industries Inc Scranton PA	OPT	TACOM	Mar 01	Apr 02	45	44	YES		
FY 2002	Medico Industries Inc Scranton PA	OPT	TACOM	Feb 02	Apr 03	38	45	YES		
Fuze, Point Detonating, XM783										
FY 2001	KDI Precision Products Inc Cincinnati, OH	SS/FP	TACOM	Jun 01	Jul 02	45	93	NO	Apr 01	
FY 2002	KDI Precision Products Inc Cincinnati, OH	OPT	TACOM	Feb 02	Apr 03	38	95	NO	Apr 01	
gnition Cartridge M702										
FY 2001	HiTech Inc Woodbury AR	OPT	TACOM	Feb 01	Apr 02	45	17	YES		
FY 2002	HiTech Inc Woodbury AR	OPT	TACOM	Feb 02	Apr 03	38	17	YES		
Propellant Charge M235										
FY 2001	Valentec Systems Inc Mt. Arlington, NJ	OPT	TACOM	Feb 01	Mar 02	176	6	YES		
FY 2002	Valentec Systems Inc Mt. Arlington, NJ	ОРТ	TACOM	Feb 02	Mar 03	150	6	YES		

REMARKS: LAP for the M720A1, XM768 and XM769 will be combined on one contract. Shell bodies for the M720A1, XM768 and XM769 are combined on one contract. 60mm Common Components (M702 Ignition Cartridge, M235 Prop Charge and M27 Fin) are procured on the same contract for all 60mm rounds.

Original Contracts; Shell Bodies - C/FP FY99;M702 Ignition Cartridge C/FP FY00; M235 Prop Charge C/FP FY98; M27 Fin Assembly M27 C/FP FY99

Exhibit P-5a, Budget Procu	urement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUN	IITION	Weapon Syst	ет Туре:			tem Nomeno	elature: PD FUZE,XM768 (E	92900)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Fin Assembly M27										
FY 2001	Gayston Corp. Springboro, OH	OPT	TACOM	Feb 01	Jan 02	45	7	YES		
FY 2002	Gayston Corp. Springboro, OH	ОРТ	TACOM	Feb 02	Jan 03	38	7	YES		

REMARKS: LAP for the M720A1, XM768 and XM769 will be combined on one contract. Shell bodies for the M720A1, XM768 and XM769 are combined on one contract. 60mm Common Components (M702 Ignition Cartridge, M235 Prop Charge and M27 Fin) are procured on the same contract for all 60mm rounds.

Original Contracts; Shell Bodies - C/FP FY99;M702 Ignition Cartridge C/FP FY00; M235 Prop Charge C/FP FY98; M27 Fin Assembly M27 C/FP FY99

	FY 01 / 02 BUDGET P	ROD	OUCTION	SCH	IEDUL	E			item N ,MOR				W/P	D FU	ZE,XI	M768	3 (E92	2900)						Date:			Jun	e 2001	1			
												Fis	scal Y	ear (	)1									I	iscal	Year	02					
				S	PROC	ACCEP	BAL			_					Cale	endar	Yea	r 01							_	Caler	ıdar `	Year (	)2			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack									$\dashv$			$\dashv$		$\neg$	$\dashv$									$\vdash$		H	$\vdash$	H			
		1	FY 01	A	43	0	43									A																43
		1	FY 02	A	36	0	36																									36
Fu	ze, Point Detonating, XM783																															
		2	FY 01	A	45	0	45									Α													:	5		40
		2	FY 02	A	37	0	37																									37
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10					101		101	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	100
								C T	O V	E C	Α	Е	A R	P R	Α	U		U G	E P	C T	O V	E C	Α	Е	Α	P	Α		U L	U	E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	ΛL	R	EMAI	RKS				
F							REACHED	Nur	nber					Pri	or 1 O	ct	Af	fter 1 C	)ct	Ai	fter 1 (	Oct	Α	After 1	Oct	J						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		, [	INIT	IAL				6			9			24			33								
1	UNKNOWN		5.00		10.00	25.00	0		1	REO	RDER				3			5			21			26		_						
2	KDI Precision Products Inc, Cincinnati, OH		10.00		15.00	40.00	0	,	2	INIT	IAL				0			0			0			0		_						
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	FY 03 / 04 BUDGET	PROD	OUCTION	SCH	IEDUL	E					nclatui .,60M		E W/P	D FU	IZE,X	M768	8 (E9:	2900)	ı					Date	:		Jı	une 2	001				
												Fi	scal Y	ear (	03									]	Fiscal	l Yea	ar 04						
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 03					┖			Cal	enda	r Ye	ar 04			_	L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	F F	A N	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack																								+	t	+	+	+		$\dashv$		
		1	FY 01	A	43	0	43							4	10	10	10	9															0
		1	FY 02	A	36	0	36														9	9 9	)	9	9								0
Fu	ze, Point Detonating, XM783																																
		2	FY 01	A	45	5	40	10	15	15																			П				0
		2	FY 02	A	37	0	37							7	15	15										Т			Т				0
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То	tai				101	3	130	10	15	15				11	25	25	10	9					,		-	┿	+	+	+				
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	Е	Α	F	•	4	U		U	S E P	
M			PR	ODUCTI	ON RATES			MI	FR						ADM	ИINLE	EAD T	IME			MFR	l.		TOT	AL	Г	REM	ARK	S				
F							REACHED	Nun	nber					Pri	ior 1 O	)ct	A:	fter 1 (	Oct	A	fter 1	Oct	I	After 1	Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				6			9			24			33									
1	UNKNOWN		5.00		10.00	25.00	0	1	l	REO	RDER				3			5			21			26									
2	KDI Precision Products Inc, Cincinnati, OH		10.00		15.00	40.00	0	2	,	INIT	TAL				0			0			0			0									
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										REO	RDER																						

	FY 05 / 06 BUDGET 1	PROD	UCTION	SCE	IEDUL	E			Item N i,MOR				W/P	D FU	ZE,X	M768	8 (E9:	2900)						Date:			June	e 2001				
												Fis	scal Y	ear (	)5									F	ìscal	Year	06					
L				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 05								Calen	dar Y	ear 0	6			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	oad, Assemble, and Pack												$\dashv$												H							
		1	FY 01	A	43	43	0																									0
		1	FY 02	A	36	36	0																									0
Fu	ize, Point Detonating, XM783																															
		2	FY 01	A	45	45	0																									0
		2	FY 02	A	37	37	0																									0
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м			DD.	ODLICT	ON DATES			I M		C	N	В	K	R		IN AINLE			P		V MFR		_	ТОТА	R	-	Y EMAR		L	G	Ρ	
M F			PR	ODUCII	ON RATES		REACHED		r R nber				H	De:	ior 1 O			IME fter 1 C	)et		MFK fter 1 (			fter 1		KI	iviAK	CA				
r R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	Nui	noei	INIT	TAI			rii	6	cı	A	9	)Cl	Al	24	Oct	А	33	Oct	1						
1	UNKNOWN		5.00		10.00	25.00	D+ 0		1		RDER	$\dashv$	$\dashv$		3			5			21			26		1						
2	KDI Precision Products Inc, Cincinnati, OH		10.00		15.00	40.00	0			INIT			-		0			0			0			0		1						
	REF Free Island Frounces Inc., Chichillatt, Off		10.00		15.00	70.00	U	2	2		RDER	$\dashv$	┪		0			0			0			0		1						
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Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Oate:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom 81M		R, ALL TYPES	(E76000)			
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	113.4	9.3	5.2	0.9								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	113.4	9.3	5.2	0.9								
Initial Spares												
Total Proc Cost	113.4	9.3	5.2	0.9								
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This includes 81mm Mortar Ammunition, all types. These rounds are fired from the 81mm Mortar System. Procurements support war reserve and training requirements.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement o		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature RTAR, ALL TYPES			Weapon System	Туре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
<b>Cost Elements</b>	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
E19800 CTG MTR 81MM PRAC 1/10 RANGE M E20200 CTG MTR 81MM SMOKE M375 E76100 CTG MTR 81MM ILLUM M853A1 E77500 REFURB KIT F/81MM PRAC M880 E90000 CTG 81MM INFRARED (IR) ILLUM XM81		2868 734 1600	7 36	410 20	921	24	38						
Total		5202			921								

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	]	Date:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Non CTO		C 120MM HE M9	34 W/MO FU	ZE (E25501)		
Program Elements for Code	e B Items:			Code: A	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	244	50	65	65	50							
Gross Cost	115.5	36.8	48.8	47.6	39.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	115.5	36.8	48.8	47.6	39.5							
Initial Spares												
Total Proc Cost	115.5	36.8	48.8	47.6	39.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M934A1 High Explosive Cartridge with Multi Option Fuze is designed for use with the M120/M121 120mm Battalion Mortar System, currently fielded to all Armor and Mechanized Infantry units in the Army. The round is used against personnel and materiel providing both fragmentation and blast effect. It consists of a multi-option fuze, tail assembly, and projectile body with composition B explosive fill. The M934A1 uses the highly reliable and countermeasure resistant M734A1 multi-option fuze. The proximity setting will burst the round at a height over the target which is optimized for lethality. The round expands the lethal radius to 1.5 times that of the 4.2-in high explosive round it replaces. This item is code A; it has been approved for service use.

#### **Justification:**

The FY 2002 procurement of the M934A1 supports building a war reserve inventory, which will replace the M934 as the preferred 120mm mortar ammunition. Additionally, the FY 2002 program funds a material change to incorporate insensitive munitions technology into this round.

Type Classification Date: Non-Developmental Item (NDI) - MAR 90, Limited Procurement-Urgent (LPU); Enhanced Ammunition - M934 standard (STD) MAY92; M934A1 STD JUN 96.

Acquisition Manager: PM MORTARS

AMMO				NITION	CIG MORI	`AR 120MM HE M9	34 W/MO FUZE (E2	25501)			June 2	001
	D	FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
HARDWARE												
Load, Assemble, and Pack	9170	65	140	7953	65	121	6159	50				
Shell Body	9537	68	140	8535	68	125	6616	52	127			
Fuze, M734A1	16656	68	245	15327	68	225	11714	52				
Propellant Charge M234	3921	269	15	4369	269	16	3343	205	16			
Ignition Cartridge M1020	1831	68	27	1938	68	28	1618	52	31			
Fin Assembly M31	2162	68	32	2415		35	1730	52	33			
Fiber Container PA153	697	68	10	699	68	10	540	52				
Overpack Container PA154	1439	34	42	1512	34	44	1172	26	45			
SubTotal AMMO Hardware	45413			42748			32892					
<b>Production Support Costs</b>												
Production Engineering	890			937			953					
Quality Assurance	311			237			206					
Acceptance Testing	807			820			670					
PMO Support	592			2000			2034					
Interim Transportation	834			849			658					
SubTotal Prod. Support	3434			4843			4521					
COST - Nonrecurring												
Materiel Change - Insensitive Explosive							2123					
SubTotal COST - Nonrecurring							2123					
Sub I of all Cost - None curring							2123					
Total	48847			47591			39536					

	oad, Assemble, and Pack		Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	S		
SNC Technologies   LeGardeur, PQ, Canada   SNE Technologies   SNE	, ,	CNC T. I. I.				Delivery	x1000		Avail	Revsn	RFP Is Date
LeGardeur, PQ, Canada   SNC Technologies   OPT   TACOM   Mar 01   Nov 02   65   121   yes	FY 2000	CNC T 1 1 :									
LeGardeur, PQ, Canada   SNC Technologies   SNC Technologies   LeGardeur, PQ, Canada   LeGardeur, PQ, Canada   SNC Technologies   LeGardeur, PP, CANADA			OPT	TACOM	Feb 00	Nov 01	65	140	yes		
LeGardeur, PQ, Canada   Shell Body   Feb 00   Feb 01   Feb 00   Feb 01   Feb 00   Feb 01	FY 2001		OPT	TACOM	Mar 01	Nov 02	65	121	yes		
FY 2000 Chamberlain Mfg Scranton PA  FY 2001 FY 2002 UNKNOWN C/FP/MYR TACOM Aug 01 Nov 02 68 125 yes FY 2002 UNKNOWN MYR/OPT TACOM Feb 02 Apr 03 52 127 yes Fuze, M734A1  FY 2000 KDI Cincinnati OH Ci	FY 2002		OPT	TACOM	Feb 02	Nov 03	50	123	yes		
Scranton PA   Scranton PA   Scranton PA   Scranton PA   UNKNOWN   C/FP/MYR   TACOM   Aug 01   Nov 02   68   125   yes   FY 2002   UNKNOWN   MYR/OPT   TACOM   Feb 02   Apr 03   52   127   yes   Fuze, M734A1	Shell Body										
FY 2002 Fuze, M734A1  FY 2000  KDI Cincinnati OH KDI Cincinnati OH Cincinnati OH FY 2002  KDI Cincinnati OH Cincinnati OH FY 2002  KDI Cincinnati OH Cincinnati OH FY 2002  KDI Cincinnati OH Cincinna	FY 2000		OPT	TACOM	Feb 00	Feb 01	68	140	yes		
Fuze, M734A1         KDI         OPT         TACOM         Feb 00         Feb 01         68         245         yes         Feb 01         Feb 01         68         245         yes         Feb 02         Feb 01         Mar 01         Mar 02         68         225         yes         Feb 02         Feb 03         52         226         yes         Feb 02         Feb 03         52         226         yes         Feb 03         Feb 03         Feb 03         52         226         yes         Feb 03	FY 2001	UNKNOWN	C/FP/MYR	TACOM	Aug 01	Nov 02	68	125	yes		
FY 2000 KDI Cincinnati OH  FY 2001 KDI OPT TACOM Feb 00 Feb 01 68 245 yes Cincinnati OH  FY 2001 KDI Cincinnati OH  FY 2002 KDI Cincinnati OH  Propellant Charge M234  FY 2000 HiTech East Camden AR  FY 2001 HiTech OPT TACOM Mar 01 Mar 02 269 16 yes Camden AR  FY 2001 Mar 02 269 16 yes Camden AR  FY 2001 Mar 01 Mar 02 269 16 yes Camden AR  FY 2001 Mar 01 Mar 02 269 16 yes Camden AR  FY 2001 Mar 01 Mar 02 269 16 yes Camden AR	FY 2002	UNKNOWN	MYR/OPT	TACOM	Feb 02	Apr 03	52	127	yes		
Cincinnati OH   KDI   Cincinnati OH	Fuze, M734A1										
FY 2002   Cincinnati OH   KDI   Cincinnati OH   KDI   Cincinnati OH   Cincinnati OH   Feb 02   Feb 03   52   226   yes   Feb 03	FY 2000		OPT	TACOM	Feb 00	Feb 01	68	245	yes		
Propellant Charge M234         Cincinnati OH         Image: Composition of the composi	FY 2001		OPT	TACOM	Mar 01	Mar 02	68	225	yes		
FY 2000 HiTech C/FP TACOM Jul 00 Oct 01 269 15 yes East Camden AR FY 2001 OPT TACOM Mar 01 Mar 02 269 16 yes	FY 2002		OPT	TACOM	Feb 02	Feb 03	52	226	yes		
East Camden AR FY 2001 HiTech OPT TACOM Mar 01 Mar 02 269 16 yes	Propellant Charge M234										
	FY 2000		C/FP	TACOM	Jul 00	Oct 01	269	15	yes		
	FY 2001		ОРТ	TACOM	Mar 01	Mar 02	269	16	yes		

REMARKS: 120mm components (M31 fin, M1020 Ignition Cartridge, M734A1 Fuze, M234 Prop Charge, PA153 Container and PA154 Container) are procured on same contracts as other 120mm mortar rounds. The M934A1 LAP effort has been combined with the M931 LAP on one contract.

Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: LAP - C/FP FY98; Shell Body - SS/FP FY96; M734A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

ppropriation/Budget Activity/Serial No: ocurement of Ammunition, Army / 1 / AMMUNITI	ION	Weapon Syste	ет Туре:			em Nomenc R 120MM HE M	lature: 934 W/MO FUZE (E:	25501)		
BS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Is Date
FY 2002	HiTech East Camden AR	OPT	TACOM	Feb 02	Feb 03	205	16	yes		
gnition Cartridge M1020										
FY 2000	Pocal Industries Moscow, PA	ОРТ	TACOM	Feb 00	Feb 02	68	27	yes		
FY 2001	Pocal Industries Moscow, PA	OPT	TACOM	Feb 01	Feb 02	68	28	yes		
FY 2002	Pocal Industries Moscow, PA	C/FP	TACOM	Feb 02	Feb 03	52	31	yes		
Fin Assembly M31										
FY 2000	Lockheed-Martin Naval Electron Archbald PA	C/FP	TACOM	Sep 00	Oct 01	68	32	yes		
FY 2001	Lockheed-Martin Naval Electron Archbald PA	OPT	TACOM	Mar 01	Feb 02	68	35	yes		
FY 2002	Lockheed-Martin Naval Electron Archbald PA	OPT	TACOM	Feb 02	Jan 03	52	33	yes		
Fiber Container PA153										
FY 2000	United Ammo Container Milan TN	OPT	TACOM	Feb 00	Aug 00	68	10	yes		
FY 2001	United Ammo Container Milan TN	OPT	TACOM	Feb 01	Aug 01	68	10	yes		
FY 2002	UNKNOWN	C/FP	TACOM	Apr 02	Nov 02	52	10	yes		
Overpack Container PA154										
FY 2000	Brockway Standard Atlanta GA	ОРТ	TACOM	Feb 00	Aug 00	34	42	yes		

REMARKS: 120mm components (M31 fin, M1020 Ignition Cartridge, M734A1 Fuze, M234 Prop Charge, PA153 Container and PA154 Container) are procured on same contracts as other 120mm mortar rounds. The M934A1 LAP effort has been combined with the M931 LAP on one contract.

Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: LAP - C/FP FY98; Shell Body - SS/FP FY96; M734A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

Exhibit P-5a, Budget Procurement History and Planning							Date:	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION	Weapon Syste	m Type:		P-1 Line It		lature: 934 W/MO FUZE (E2	5501)		
WBS Cost Elements: Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY 2001 Brockway Standard Atlanta GA UNKNOWN	OPT C/FP	TACOM	Feb 01 Apr 02	Aug 01 Nov 02	34 26	44 45	yes yes		

REMARKS: 120mm components (M31 fin, M1020 Ignition Cartridge, M734A1 Fuze, M234 Prop Charge, PA153 Container and PA154 Container) are procured on same contracts as other 120mm mortar rounds. The M934A1 LAP effort has been combined with the M931 LAP on one contract.

Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: LAP - C/FP FY98; Shell Body - SS/FP FY96; M734A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

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3	KDI, Cincinnati OH		5.00		15.00	40.00	0	3	3	INIT	TAL RDER	-	-		0			0			0			0		1						
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Appropriation/Budget Activ Procurement of Ammunition, A		TION				P-1 Item Non CTO		120MM ILLUM	1 XM930 W/M	ITSQ FZ (E25	5503)	
Program Elements for Code	e B Items:			Code: B	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	24	2	4		2							
Gross Cost	35.1	5.0	11.4	5.0	3.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	35.1	5.0	11.4	5.0	3.5							
Initial Spares												
Total Proc Cost	35.1	5.0	11.4	5.0	3.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The XM930 Illumination Cartridge/XM983 Infrared Illumination Cartridge with Mechanical Time - Super Quick Fuze is designed for use with the M120/M121 120mm Battalion Mortar System, currently fielded to all Armor and Mechanized Infantry units in the Army. The round is used to illuminate targets during night operations. It consists of a two piece body filled with illuminating flare, M776 MTSQ fuze and tail assembly. It bursts over a target producing 1 million candlepower illumination, which is more intense and effective than the 4.2" round that it replaces. This rounds is range matched to the 120mm high explosive (HE) and smoke cartridges. This item is code B. It have not yet been approved for service use.

#### **Justification:**

The FY 2002 procurement builds war reserve inventory in accordance with the Army's procurement goals. This item is part of the total package fielding effort for the 120mm mortar system. This line will fund the XM930, visible light variant.

Type Classification: TCLP 3Q98, STD 2Q03

Acquisition Manager: PM Mortars

Name	Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature FAR 120MM ILLUN	e: M XM930 W/MTSQ		Weapon System	Гуре:	Date: June 2	2001
Marke   1288   4   368   368   710   2   381		ID		FY 00			FY 01			FY 02			FY 03	
HAEDWARE   1.388	Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Load, Assemble, and Pack   1288   4   368   710   2   381   Shell Body   1085   4   298   5553   2   226   Shell Body   1085   4   298   5553   2   226   Shell Body   1085   4   298   5553   2   276   Shell Body   1085   4   298   Shell Body   1085   4   298   Shell Body   1085   4   298   Shell Body   1085   4   208   Shell Body   1085   3   4   4   1   4   5   4			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
Shell Body														
Visable Light Cannister   487   2   267     536   2   276										2				
Infrared Light Canister										2				
Parachule Assembly									536	2	276			
Fuze, MTSO, MT76														
Propellant Charge M234				4						2				
Propellant Charge M234	Fuze, MTSQ, M776		493	4						2				
Fin Assembly M31	Ignition Cartridge M1020		98	4	27				60	2	31			
Fiber Container PA153	Propellant Charge M234		210	14	15				125	8				
Fiber Container PA153	Fin Assembly M31		116	4	32				65	2	34			
Metal Overpack PA154	Fiber Container PA153		37	4	10				20	2	10			
Production Support Costs	Metal Overpack PA154		77	2	42				44		45			
Production Engineering	SubTotal AMMO Hardware		4622						2480					
Production Engineering	Production Support Costs													
Quality Assurance         162         175         100         163         169			750			900			706					
Acceptance Testing   163   121   165   166   167   1041   1075   1041														
Interim Transportation 121 66 1075 1041  SubTotal Prod. Support 1196 1075 1041  Non-Recurring Costs Corrective Action Program Electronic Time Fuze - Mat'l Change 5567  Sub Total Non-Recurring 5567 3879														
Non-Recurring Costs Corrective Action Program Electronic Time Fuze - Mat'l Change 5567  Sub Total Non-Recurring 5567  Sub Total Non-Recurring 5567														
Corrective Action Program Electronic Time Fuze - Mat'l Change  Sub Total Non-Recurring  5567  Sub Total Non-Recurring  5567  3879	SubTotal Prod. Support		1196			1075			1041					
Corrective Action Program Electronic Time Fuze - Mat'l Change  Sub Total Non-Recurring  5567  Sub Total Non-Recurring  5567  3879	Non-Recurring Costs													
Sub Total Non-Recurring 5567 Sub Total Non-Re						3879								
Sub Total Non-Recurring 5567 3879			5567			20,7								
						2050								
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Total 11385 1662 4954 3521 1888														
	Total		11385		1662	4954			3521		1888			

Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	ет Туре:			em Nomenc	lature: M XM930 W/MTSQ	FZ (E25503)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2000	Pine Bluff Arsenal Pine Bluff AR	SS/CR	TACOM	Apr 00	Dec 01	4	368	yes		
FY 2002	Pine Bluff Arsenal Pine Bluff AR	SS/CR	TACOM	Mar 02	Dec 03	2	381	yes		
Shell Body										
FY 2000	Chamberlain Mfg Scranton PA	ОРТ	TACOM	Feb 00	Feb 01	4	298	yes		
FY 2002 Visable Light Cannister	UNKNOWN	MYR/OPT	TACOM	Feb 02	Jun 03	2	286	yes		
FY 2000	Crane Army Ammunition Activity Crane IN	SS/CR	TACOM	Apr 00	Jun 01	2	267	yes		
FY 2002	Crane Army Ammunition Activity Crane IN	SS/CR	TACOM	Mar 02	May 03	2	276	yes		
Infrared Light Canister										
FY 2000	Crane Army Ammunition Activity Crane IN	SS/CR	TACOM	Apr 00	Jul 01	2	306	yes		
Parachute Assembly										
FY 2000	Mills Mfg Ashville NC	ОРТ	TACOM	Feb 00	Jan 01	4	48	yes		
FY 2002	UNKNOWN	OPT	TACOM	Feb 02	Jan 02	2	49	yes		
Fuze, MTSQ, M776										

REMARKS: Pine Bluff Arsenal and Crane Army Ammunition Activity are Government Owned - Government Operated (GOGO) facilities. Work is performed through yearly negotiated work orders, not contracts. 120mm common components (M1020 Ignition Cartridge, M234 Prop Charge, M31 fin and PA153 & PA154 Containers) are produced on the same contract as other 120mm mortar rounds. Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: Shell Body -FY00 SS/FP FY96; FY02, C/FP/MYR FY01; Parachute FY00 C/FP FY98; FY02, C/FP FY01(Combined with parachutes for 60mm and 81mm); Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

ppropriation/Budget Activity/Serial No: rocurement of Ammunition, Army / 1 / AMMUNITION	ON	Weapon Syste	em Type:			tem Nomeno	elature: M XM930 W/MTSQ	FZ (E25503)		
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Is Date
FY 2000	Diehl GMBH Schramberg GER	OPT	TACOM	Mar 00	Apr 01	4	135	yes		
FY 2002	Diehl GMBH Schramberg GER	OPT	TACOM	Mar 02	Apr 03	2	140	yes		
Ignition Cartridge M1020										
FY 2000	Pocal Industries Scranton PA	ОРТ	TACOM	Feb 00	Feb 01	4	27	yes		
FY 2002	Pocal Industries Scranton PA	OPT	TACOM	Feb 02	Feb 03	2	31	yes		
Propellant Charge M234										
FY 2000	HiTech East Camden AR	C/FP	TACOM	Jul 00	Oct 01	14	15	yes		
FY 2002	HiTech East Camden AR	OPT	TACOM	Feb 02	Feb 03	8	16	yes		
Fin Assembly M31										
FY 2000	Lockheed-Martin Naval Electron Archbald PA	C/FP	TACOM	Sep 00	Oct 01	4	32	yes		
FY 2002	Lockheed-Martin Naval Electron Archbald PA	OPT	TACOM	Feb 02	Jan 03	2	34	yes		
Fiber Container PA153										
FY 2000	United Ammo Container Milan TN	ОРТ	TACOM	Feb 00	Aug 00	4	10	yes		
FY 2002	UNKNOWN	C/FP	TACOM	Apr 02	Dec 02	2	10	yes		
Metal Overpack PA154										

REMARKS: Pine Bluff Arsenal and Crane Army Ammunition Activity are Government Owned - Government Operated (GOGO) facilities. Work is performed through yearly negotiated work orders, not contracts. 120mm common components (M1020 Ignition Cartridge, M234 Prop Charge, M31 fin and PA153 & PA154 Containers) are produced on the same contract as other 120mm mortar rounds. Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: Shell Body -FY00 SS/FP FY96; FY02, C/FP/MYR FY01; Parachute FY00 C/FP FY98; FY02, C/FP FY01(Combined with parachutes for 60mm and 81mm); Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

rement History and Planning							Date: J	une 2001	
ΠΟΝ	Weapon Syste	em Type:					FZ (E25503)	)	
Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Brockway Standard Altanta GA UNKNOWN	OPT C/FP	TACOM	Feb 00 Apr 02	Aug 00 Dec 02	2	42 45	yes yes		
	Contractor and Location  Brockway Standard Altanta GA	Contractor and Location  Contract Method and Type  Brockway Standard Altanta GA  Weapon System  Contract Method and Type	Weapon System Type:  Contractor and Location  Contract Method and Type  Brockway Standard Altanta GA  Weapon System Type:  Location of PCO  TACOM	Weapon System Type:  Contractor and Location  Contract Method and Type  Brockway Standard Altanta GA  Weapon System Type:  Location of PCO Award Date  Feb 00	Weapon System Type: P-1 Line Its CTG MORTAL  Contractor and Location Contract Method and Type  Brockway Standard Altanta GA  Weapon System Type: P-1 Line Its CTG MORTAL  Contract Method and Type  Location of PCO Award Date of First Delivery  TACOM Feb 00 Aug 00	Weapon System Type: P-1 Line Item Nomenc CTG MORTAR 120MM ILLUI  Contractor and Location  Contract Method and Type  Brockway Standard Altanta GA  Weapon System Type: P-1 Line Item Nomenc CTG MORTAR 120MM ILLUI  Location of PCO Award Date of First OTY x1000  Aug 00 2	Weapon System Type:  Contractor and Location  Contract Method and Type  Brockway Standard Altanta GA  Weapon System Type:  P-1 Line Item Nomenclature: CTG MORTAR 120MM ILLUM XM930 W/MTSQ  Policy Nomenclature: CTG MORTAR 120MM ILLUM XM930 W/MTSQ  Award Date of First Delivery x1000 S  TACOM  Feb 00  Aug 00  2  42	TION  Weapon System Type:  P-1 Line Item Nomenclature: CTG MORTAR 120MM ILLUM XM930 W/MTSQ FZ (E25503)  Contractor and Location  Contract Method And Type  Contract Method And Type  Brockway Standard Altanta GA  OPT  TACOM  Feb 00  Aug 00	TION  Weapon System Type:  Report Line Item Nomenclature: CTG MORTAR 120MM ILLUM XM930 W/MTSQ FZ (E2550)  Contract Method and Type  Revsn Revsn Avail Revsn Avail Revsn Avail Revsn Altanta GA  P-1 Line Item Nomenclature: CTG MORTAR 120MM ILLUM XM930 W/MTSQ FZ (E2550)  Revsn Avail Revsn Avail Revsn Avail Revsn Avail Revsn Avail Revsn Avail

REMARKS: Pine Bluff Arsenal and Crane Army Ammunition Activity are Government Owned - Government Operated (GOGO) facilities. Work is performed through yearly negotiated work orders, not contracts. 120mm common components (M1020 Ignition Cartridge, M234 Prop Charge, M31 fin and PA153 & PA154 Containers) are produced on the same contract as other 120mm mortar rounds. Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: Shell Body -FY00 SS/FP FY96; FY02, C/FP/MYR FY01; Parachute FY00 C/FP FY98; FY02, C/FP FY01(Combined with parachutes for 60mm and 81mm); Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

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1	Pine Bluff Arsenal, Pine Bluff AR		5.00		10.00	30.00	0		1	REO	RDER				3			6			21			27		4						
5	Diehl GMBH, Schramberg GER		15.00		30.00	90.00	0		5	INIT		_	_		0			0		_	0			0		4						
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	I	Date:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom CTO		P SMOKE M92	9A1 (E91300)			
Program Elements for Cod	e B Items:			Code: A	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			64	15	11							
Gross Cost			59.0	24.7	11.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			59.0	24.7	11.5							
Initial Spares												
Total Proc Cost			59.0	24.7	11.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M929 White Phosphorus (WP) Smoke cartridge is designed for use with the M120/M121 120mm Battalion Mortar System, which is currently fielded to all Armor and Mechanized Infantry units in the Army. The round is used to provide smoke, with some incendiary effect, for various screening uses. It consists of a body with WP impregnated felt wedges, fuze, and tail assembly. The M929A1 uses the highly reliable and countermeasure resistent M734A1 multi-option fuze. The proximity setting bursts the round over a target, producing dense smoke which is 100 percent greater than the 4.2-in smoke round it replaces. The round is range matched to the 120mm high explosive (HE) and illuminating cartridges. This item is code A; it has been type classified and approved for service use.

#### Justification:

FY 2002 procurements support annual peacetime training requirements in accordance with the Army's procurement goals.

Type Classification Date: NDI - MAR 90, limited procurement - urgent(LPU);

Enhanced Ammunition - XM929, limited rate production (LRP) MAY 92; M929, standard (STD) JUN 96.

Acquisition Manager: PM MORTARS

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature M WP SMOKE M92			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE													
Load, Assemble, and Pack		13565	64	214	3442	15	226	2563	11				
Shell Body		13612	66	206	3000	16	189	2234	12				
M86 Burster LAP		1929	66	29	395	16	25	304	12	26			
Burster Housing		1214	66	18	331	16	21	250	12				
Fuze, Multi-Option. M734A1		16148	66	245	3561	16	225	2620	12				
Ignition Cartridge M1020		1775	66	27	439	16	28	362	12				
Propellant Charge M234		3801	260	15	994	63	16	748	46				
Fin Assembly M31		2096	66	32	526	16	33	387	12				
Fiber Container PA153		676	66	10	162	16	10	121	12	10			
Metal Overpack PA154		1393	33	42	352	8	44	262	6	45			
SubTotal AMMO Hardware		56209			13202			9851					
Production Support Costs													
Production Engineering		1000			1018			1034					
Quality Assurance		310			315			321					
Acceptance Testing		693			291			190					
Interim Transportation		396			113			84					
SubTotal Prod. Support		2399			1737			1629					
COST - Nonrecurring													
Smoke Training Round Material Change					6800								
Ignition Cartridge Material Change					3000								
First Article Testing		426											
SubTotal COST - Nonrecurring		426			9800								
Total		59034		922	24739		1622	11480		1028			

	Load, Assemble, and Pack FY 2000 FY 2001 FY 2002	Pine Bluff Arsenal Pine Bluff AR Pine Bluff Arsenal Pine Bluff AR Pine Bluff Arsenal	Method and Type SS/CR SS/CR	TACOM TACOM	Apr 00 Mar 01	Delivery  Mar 02	x1000	\$ 214	Avail Now?	Revsn	RFP Is Date
FY 2000   Pine Bluff Arsenal	FY 2000 FY 2001 FY 2002	Pine Bluff AR Pine Bluff Arsenal Pine Bluff AR Pine Bluff AR	SS/CR	TACOM	Mar 01				yes		
Pine Bluff AR   Pine Bluff AR   Pine Bluff Arsenal   Pine Bluff AR	FY 2001 FY 2002	Pine Bluff AR Pine Bluff Arsenal Pine Bluff AR Pine Bluff AR	SS/CR	TACOM	Mar 01				yes		
Pine Bluff AR   Pine Bluff A	FY 2002	Pine Bluff AR Pine Bluff Arsenal				Dec 02	15	226			
Pine Bluff AR   Pine Bluff A			SS/CR	TACOM	Mar 02			220	yes		
FY 2000   Chamberlain Manufacturing Scranton PA   Feb 00   Feb 01   66   206   yes   FY 2001   FY 2001   UNKNOWN   C/FP/MYR   TACOM   Feb 02   Feb 03   12   192   yes   FY 2002   UNKNOWN   MYR/OPT   TACOM   Feb 02   Feb 03   12   192   yes   FY 2000   American Ordnance   Milan TN   FY 2001   American Ordnance   OPT   TACOM   Feb 02   Feb 03   12   192   yes   FY 2002   TACOM   Feb 02   Feb 03   12   192   yes   FY 2004   Feb 03	Shall Rady				Iviai 02	Dec 03	11	230	yes		
Scranton PA   UNKNOWN   C/FP/MYR   TACOM   Apr 01   May 02   16   189   yes   FY 2002   UNKNOWN   MYR/OPT   TACOM   Feb 02   Feb 03   12   192   yes   M86 Burster LAP	onen bouy										
FY 2002  M86 Burster LAP  FY 2000  American Ordnance Milan TN  FY 2001  American Ordnance Milan TN  FY 2002  American Ordnance Milan TN  FY 2002  American Ordnance Milan TN  FY 2002  American Ordnance Milan TN  FY 2004  American Ordnance Milan TN  FY 2005  American Ordnance Milan TN  FY 2006  American Ordnance Milan TN  FY 2007  American Ordnance Milan TN  FY 2008  Burster Housing  FY 2000  MaTech C/FP TACOM  Sep 00  Oct 01  66  29  yes  Was a sep 00  Oct 01  Feb 02  Jan 01  Jul 02  Jan 01  Jul 02  Jan 01  Jul 02  American Ordnance Milan TN  FY 2000  Burster Housing  FY 2000  MaTech C/FP  TACOM  May 01  Jun 02  Jun	FY 2000		OPT	TACOM	Feb 00	Feb 01	66	206	yes		
M86 Burster LAP         CFP         TACOM         Sep 00         Oct 01         66         29         Lead of the part of th	FY 2001	UNKNOWN	C/FP/MYR	TACOM	Apr 01	May 02	16	189	yes		
FY 2000 American Ordnance Milan TN  FY 2001 American Ordnance OPT TACOM  FY 2002 American Ordnance Milan TN  FY 2002 American Ordnance Milan TN  FY 2000 American Ordnance OPT TACOM  Feb 02 Jan 01 12 26 yes Wish TACOM  Fy 2000 Sep 00 Oct 01 66 18 yes PY 2000  FY 2000 MaTech Hebron MD  FY 2001 MaTech  Hebron MD  FY 2001 Matech  Matech		UNKNOWN	MYR/OPT	TACOM	Feb 02	Feb 03	12	192	yes		
Milan TN	M86 Burster LAP										
Milan TN	FY 2000		C/FP	TACOM	Sep 00	Oct 01	66	29			
Burster Housing         MaTech Hebron MD         C/FP         TACOM         Sep 00         Oct 01         66         18         yes           FY 2001         MaTech         OPT         TACOM         May 01         Jun 02         16         21         yes	FY 2001		OPT	TACOM	Jun 01	Jul 02	16	25	yes		
FY 2000 MaTech	FY 2002		OPT	TACOM	Feb 02	Jan 01	12	26	yes		
Hebron MD	Burster Housing										
	FY 2000		C/FP	TACOM	Sep 00	Oct 01	66	18	yes		
	FY 2001		ОРТ	TACOM	May 01	Jun 02	16	21	yes		

REMARKS: Pine Bluff Arsenal is a Government owned - Government Operated (GOGO) facility. Work is performed through yearly negotiated work orders, not contracts. 120mm common componens (M1020 Ignition Cartridge,M234 Prop Charge, M31 fin and PA153 & PA154 Containers) are procured on the same contract as other 120mm mortar rounds. Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: LAP - C/FP FY98; Shell Body - SS/FP FY96; M734A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

Original Contracts: LAP - C/FP FY98; Shell Body - SS/FP FY96; M/34A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98
Original Contracts: Shell Body - SS/FP FY96; M/34A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

Exhibit P-5a, Budget Procur	ement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITI	ION	Weapon Syste	em Type:			em Nomenc WP SMOKE M92				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
FY 2002	MaTech Hebron MD	ОРТ	TACOM	Feb 02	Mar 03	12	22	yes		
Fuze, Multi-Option. M734A1										
FY 2000	KDI Cinciantti OH	ОРТ	TACOM	Feb 00	Feb 01	66	245	yes		
FY 2001	KDI Cinciantti OH	OPT	TACOM	Mar 01	Mar 02	16	225	yes		
FY 2002	KDI Cinciantti OH	OPT	TACOM	Feb 02	Feb 03	12	0	yes		
Ignition Cartridge M1020										
FY 2000	Pocal Industries Moscow PA	OPT	TACOM	Feb 00	Feb 01	66	27	yes		
FY 2001	Pocal Industries Moscow PA	OPT	TACOM	Feb 01	Feb 02	16	28	yes		
FY 2002	Pocal Industries Moscow PA	OPT	TACOM	Feb 02	Feb 03	12	0	yes		
Propellant Charge M234										
FY 2000	HiTech Camden AR	C/FP	TACOM	Jul 00	Oct 01	260	15	yes		
FY 2001	HiTech Camden AR	OPT	TACOM	Mar 01	Mar 02	63	16	yes		
FY 2002	HiTech Camden AR	OPT	TACOM	Feb 02	Feb 03	46	16	yes		
Fin Assembly M31										
FY 2000	Lockheed-Martin Naval Electron Archbald, PA	C/FP	TACOM	Sep 00	Oct 01	66	32	yes		

REMARKS: Pine Bluff Arsenal is a Government owned - Government Operated (GOGO) facility. Work is performed through yearly negotiated work orders, not contracts.

120mm common componens (M1020 Ignition Cartridge,M234 Prop Charge, M31 fin and PA153 & PA154 Containers) are procured on the same contract as other 120mm mortar rounds. Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: LAP - C/FP FY98; Shell Body - SS/FP FY96; M734A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

Original Contracts: LAP - C/FP FY98; Shell Body - SS/FP FY96; M/34A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98
Original Contracts: Shell Body - SS/FP FY96; M734A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

Exhibit P-5a, Budget Proc	urement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUN	NITION	Weapon Syste	em Type:			em Nomenc WP SMOKE M9				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
FY 2001	Lockheed-Martin Naval Electron Archbald, PA	OPT	TACOM	Mar 01	Feb 02	16	33	yes		
FY 2002	Lockheed-Martin Naval Electron Archbald, PA	OPT	TACOM	Feb 02	Jan 03	12	0	yes		
Fiber Container PA153	, in the second									
FY 2000	United Ammo Container Milan TN	OPT	TACOM	Feb 00	Aug 00	66	10	yes		
FY 2001	United Ammo Container Milan TN	ОРТ	TACOM	Feb 01	Aug 01	16	10	yes		
FY 2002	UNKNOWN	C/FP	TACOM	Apr 02	Dec 02	12	10	yes		
Metal Overpack PA154										
FY 2000	Brockway Standard Atlanta GA	OPT	TACOM	Feb 00	Aug 00	33	42	yes		
FY 2001	Brockway Standard Atlanta GA	OPT	TACOM	Feb 01	Aug 01	8	44	yes		
FY 2002	UNKNOWN	C/FP	TACOM	Apr 02	Nov 02	6	45	yes		

REMARKS: Pine Bluff Arsenal is a Government owned - Government Operated (GOGO) facility. Work is performed through yearly negotiated work orders, not contracts. 120mm common componens (M1020 Ignition Cartridge,M234 Prop Charge, M31 fin and PA153 & PA154 Containers) are procured on the same contract as other 120mm mortar rounds. Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: LAP - C/FP FY98; Shell Body - SS/FP FY96; M734A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

Original Contracts: LAP - C/FP FY98; Shell Body - SS/FP FY96; M/34A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98
Original Contracts: Shell Body - SS/FP FY96; M/34A1 Fuze - C/FP FY98; Ign Ctg C/FP FY98; PA153 Container C/FP FY99; PA154 Container C/FP FY98

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Plus CY Adv Proc												
Net Proc (P-1)					3.5							
Initial Spares												
Total Proc Cost					3.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M983 Infrared Illumination Cartridge with Mechanical Time - Super Quick Fuze is designed for use with the M120/M121 120mm Battalion Mortar System, currently fielded to all Armor and Mechanized Infantry units in the Army. The round is used to illuminate targets during night operations. Infrared Illumination greatly enhances the effectiveness of night vision devices. The round consists of a two piece body filled with illuminating flare, M776 Mechanical Time (MT) fuze and tail assembly. The round is range matched to the 120mm high explosive (HE) and smoke cartridges. This item is code A. It has been approved for service use.

#### **Justification:**

This procurement is part of the total package fielding effort for the 120mm mortar system. This procurement builds war reserve inventory in accordance with the Army's procurement goals.

Type Classification TCLP 3Q98, STD Jun 00

Acquisition Manager PM Mortars

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/E Procurement o		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature M IR ILLUM XM98			Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack								691	,	381			
Shell Body								538	2 2				
								538 597	2				
Infrared Cannister								93	2	49			
Parachute Assembly													
Fuze, MTSQ, M776								264	2	140			
Ignition Cartridge M1020								59	2				
Propellant Charge M234								122	7				
Fin Assembly M31								63	2				
Fiber Container PA153								20	2				
Metal Container PA154								43		456			
SubTotal AMMO Hardware								2490					
Production Support Costs													
Production Engineering								700					
Quality Assurance								100					
Acceptance Testing								166					
Interim Transportation								65					
								0.0					
SubTotal Prod. Support								1031					
Total								3521		1939			
- V ****			1			1		5521		1,5,			

Exhibit P-5a, Budget Procurem	ent History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	m Type:			em Nomenc				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Load, Assemble, and Pack										
FY 2002	PINE BLUFF ARSENAL Pine Bluff, AR	SS/CR	TACOM	Mar 02	Dec 03	2	381	yes		
Shell Body										
FY 2002 Infrared Cannister	UNKNOWN	MYR/OPT	TACOM	Mar 02	Jun 03	2	285	yes		
FY 2002	CRANE AAA Crane, IN	SS/CR	TACOM	Mar 02	Jun 03	2	316	yes		
Parachute Assembly										
FY 2002 Fuze, MTSQ, M776	UNKNOWN	OPT	TACOM	Feb 02	Jan 03	2	49	yes		
FY 2002	DIEHL GMBH Schramberg, GER	OPT	TACOM	Apr 02	May 03	2	140	yes		
Ignition Cartridge M1020	-									
FY 2002	POCAL INDUSTRIES Scranton, PA	OPT	TACOM	Feb 02	Feb 03	2	31	yes		
Propellant Charge M234										
FY 2002	HiTECH East Camden, AR	OPT	TACOM	Feb 02	Feb 03	7	16	yes		
Fin Assembly M31										

REMARKS: Pine Bluff Aresnal and Crane Army Ammunition Activity are Government Owned - Government Operated (GOGO) facilities. Work is performed through yearly negotiated work orders, not contracts. 120mm common components (M1020 Ignition Cartridge, M234 Prop Charge, M31 Fin and PA153 & PA154 Containers) are produced on the same contract as other 120mm mortar rounds. Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: Shell Body - C/FP/MYR FY01; M776 Fuze - SS/FP FY98; Ign Ctg C/FP FY98; Fin Assembly C/FP FY00; Prop Charge C/FP FY00; Parachute C/FP FY01

Exhibit P-5a, Budget Procur	ement History and Planning							Date:	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITI	ION	Weapon Systo	ет Туре:			em Nomenc				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
FY 2002	Lockheed-Martin Naval Electron Archbald PA	ОРТ	TACOM	Feb 02	Jan 03	2	33	yes		
Fiber Container PA153 FY 2002 Metal Container PA154	UNKNOWN	C/FP	TACOM	Apr 02	Dec 02	2	11	yes		
FY 2002	UNKNOWN	C/FP	TACOM	Apr 02	Dec 02		456	yes		

REMARKS: Pine Bluff Aresnal and Crane Army Ammunition Activity are Government Owned - Government Operated (GOGO) facilities. Work is performed through yearly negotiated work orders, not contracts. 120mm common components (M1020 Ignition Cartridge, M234 Prop Charge, M31 Fin and PA153 & PA154 Containers) are produced on the same contract as other 120mm mortar rounds. Shell bodies will be procured using a multiyear contract with a floor quantity (MYR) and options for greater quantities

Original Contracts: Shell Body - C/FP/MYR FY01; M776 Fuze - SS/FP FY98; Ign Ctg C/FP FY98; Fin Assembly C/FP FY00; Prop Charge C/FP FY00; Parachute C/FP FY01

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Proc Qty         1415         1         6.0												
		ION						EP-T, W/FUZE	E F/TANK M3	93 (E24300)		
Program Elements for Co	ode B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1415				1							
Gross Cost	97.5				6.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	97.5				6.0							
Initial Spares												
Total Proc Cost	97.5				6.0							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 105mm High Explosive Cartridge w/Tracer and Fuze (HE-Tw/Fuze) will replace the current and aged stockpile of M393A2 High Explosive Plastic (HEP) 105mm Tank ammunition cartridges. This high explosive cartridge will be fired from the 105mm main armament of Mobile Gun System (MGS) variant of the Interim Armored Vehicle (IAV). Procured using a performance specification with threshold requirements equating to M393A2 performance, this non-developmental acquisition will incorporate components which meet current fuze and insensitive munitions requirements. While a variety of contractor developed solutions are possible, a metal cartridge case, granular propellant, electrically initiated primer, high explosive projectile, and impact initiating fuze will be utilized to meet ammunition interface requirements for the MGS.

#### Justification:

The procurement of this High Explosive Cartridge adheres to the US Army's Transformation Campaign Plan and Modernization Strategy. The MGS is the IAV variant providing the Brigade Combat Team with direct fire support to dismounted infantry. A Key Performance Parameter (KPP) for the Mobile Gun System is that the primary armament system must defeat a standard infantry bunker and create an opening in a double reinforced concrete wall through which infantry can pass. The 105mm High Explosive Cartridge with Tracer and Fuze will be the ammunition cartridge to achieve this KPP.

Acquisition Manager: Project Manager, Tank and Medium Caliber Armament Systems (PM-TMAS).

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/E Procurement of	Budget Activation	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclatur M, HEP-T, W/FUZI	e: E F/TANK M393 (E2	24300)	Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
AND GUNUTUON WADDWADE		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round								2636	1	6590			
SubTotal AMMO Hardware								2636					
Production Support Costs								0.50					
Production Engineering Quality Assurance								950 450					
Acceptance Testing								1500					
SubTotal Prod. Support								2900					
COST - Nonrecurring First Article Testing								500					
Sub Total Non-Recurring								500					
,													
Total								6036					
i otai								0050					

Exhibit P-5a, Budget Procurement Hist	tory and Planning							Date: Ju	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syster	n Type:		P-1 Line Ito CTG, 105MM,		lature: E F/TANK M393 (E24	1300)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Complete Round FY 2002	TBS	C/FP	ARDEC	Mar-02	July-03	1	6590	No	Dec-02	
REMARKS:										

	FY 01 / 02 BUDGET P	ROD	OUCTION	SCH	IEDUL	E			Item N 3, 1051				FUZE	F/T <i>A</i>	ANK N	M393	(E24	1300)						Date:			Jur	e 200	1			
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M			PR	ODUCTI	ION RATES			М	IFR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	EMA	RKS				
F							REACHED	Nuı	mber					Pri	or 1 Oc	ct	Af	fter 1 C	Oct	Ai	fter 1 (	Oct	Α	After 1								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT		_	_		3	_		6			16			22		4						
1	TBS		.10		.50	1.00	0		•		RDER				0			0			0			0		4						
$\vdash$										INIT																4						
											RDER															4						
$\vdash$										INIT			_													4						
$\vdash$											RDER															-						
										INIT			_													-						
$\vdash$										INIT	RDER		_													1						
$\vdash$											RDER		$\dashv$													1						
										KEU	NDEK																					

Ex	hibit P-40	, Budge	t Item J	ustifica	tion Sho	Date:   June 2001												
Appropriation/Budget Ao Procurement of Ammunition		ION						PFSDS-T M829	A2/M829E3 (I	E78001)								
Program Elements for Co	ode B Items:			Code:	Other Relat	ed Program Ele	ements:											
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog						
Proc Qty	126	3	7		5													
Gross Cost	1423.0	14.6	31.4		35.6													
Less PY Adv Proc																		
Plus CY Adv Proc																		
Net Proc (P-1)	1423.0	14.6	31.4		35.6													
Initial Spares																		
Total Proc Cost	1423.0	14.6	31.4		35.6													
Flyaway U/C																		
Wpn Sys Proc U/C																		

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 120MM M829E3 Armor Piercing, Fin Stabilized, Discarding Sabot with Tracer (APFSDS-T) cartridge is the follow-on to the M829A2 (APFSDS-T), with production beginning in FY02. The M829E3 is designed to be the most effective anti-armor kinetic energy round fired from the M256 120MM smoothbore cannon mounted on the Abrams Main Battle Tank. This cartridge has been specifically developed to counter advances in armor protection technologies, to include explosive reactive armor. The propulsion system consists of a high energy propellant, a combustible cartridge case and an electric primer. The projectile system consists of a depleted uranium (DU) penetrator mated to a drag reducing windshield and flight stabilizing multi-bladed tail fin, all secured for launch by a composite sabot. The M829E3 utilizes similar components to the M829A1 and M829A2 series of APFSDS-T cartridges, but incorporates technological advancements to provide significantly more effective anti-armor capability than the predecessor designs. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

Procurement of the M829E3 adheres to the Army's Transformation Campaign Plan and Moderization Strategy by maintaining the Abrams Main Battle Tank as the Army's premier lethal battlefield direct fire assault vehicle. The Abrams' 120mm gun will remain in the bulk of the tank inventory for at least the next 25 years. The M829E3 ammunition is essential in maintaining battlefield overmatch capabilities of the Abrams Tank. This procurement will build a war reserve inventory of anti-armor cartridges in accordance with the Army's procurement goal. A review for initial production approval is scheduled for 1QFY02 with Type Classification Standard scheduled for 1QFY03. Production and fielding of the M829E3 will maintain the ability of the Abrams Main Battle Tank to defeat current and postulated armor threats. This round incorporates revolutionary advances in technology and will represent the most effective anti-armor tank cartridge in production. The Army has no requirement to procure the M829A2 in FY01 as it will have fulfilled the War Reserve Requirement with the completion of the FY00 procurement.

			Date: June 2001
		P-1 Item Nomenclature	CTG 120MM APFSDS-T M829A2/M829E3 (E78001)
Code:	Other Related	Program Elements:	
ement of M82 uantities of the	9A2's in FY0 e M829E3 pe	01, as the Army has develonetrators.	oped a plan to bridge a potential DU production gap between the A2 and
ament System	as (PM-TMA	S)	
ľ	ement of M82 quantities of th	ement of M829A2's in FY0 uantities of the M829E3 pe	Code: Other Related Program Elements:

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUl	NITION		tem Nomenclatur M APFSDS-T M829	e: 9A2/M829E3 (E7800)	1)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		28181	7	4026				28230	5	5646			
Complete Round			,	4020					3	3040			
SubTotal AMMO Hardware		28181						28230					
<b>Production Support Costs</b>													
Production Engineering		1506						2611					
Quality Assurance		450						750					
Acceptance Testing		750						2220					
SubTotal Prod. Support		2706						5581					
COST - Nonrecurring													
Program Closeout		500											
First Article								785					
Value Engineering/ECP'S								1000					
SubTotal COST - Nonrecurring		500						1785					
Total		31387						35596					
,		220,						223,0					

Exhibit P-5a, Budget Procurement	History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			em Nomenc APFSDS-T M829	elature: 9A2/M829E3 (E7800	1)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Complete Round										
FY 2000	Primex Technologies St. Peterburg, FL (M829A2)	SS/FP	ARDEC	Apr-00	Mar-01	7	4026	Yes	No	
FY 2002	Alliant Techsystems Minneapolis, MN (M829E3)	SS/FP	ARDEC	Jan-02	Oct-02	5	5646	Yes	No	

REMARKS: FY00 is the final year of production for the M829A2 Cartridge. FY02 starts the initial production for the M829E3 Cartridge.

	FY 01 / 02 BUDGET PR	OD	UCTION	SCH	I <b>EDU</b> L	E			Item N i 120M				M829 <i>I</i>	42/M	829E	3 (E78	8001)	)						Date:			Jui	ne 200	)1			
												Fis	scal Y	'ear (	)1									I	iscal	Year	· 02					
				S	PROC	ACCEP	BAL			_					Cale	endar	Yea	r 01								Cale	ndar	Year	02			L A
		M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Сс	omplete Round												_														+		+			
		1	FY 00	A	7	0	7						2	3	2																	
		2	FY 02	A	5	0	5																									
То	otal				12		12						2	3	2																	
								O C T	N O V	D E C	Α	Е	Α	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	Α	U		U	Е	1
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	<b>L</b>	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	ter 1 C	Oct	A	fter 1	Oct	A	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					3			4			14			18		1						
1	Primex Technologies, St. Peterburg, FL (M829A2)		1.60		2.00	4.00	0		1	REO	RDER				3			7			11			18		4						
2	Alliant Techsystems, Minneapolis, MN (M829E3)		.64		.80	1.60	0	:	2	INIT		_			3			4		_	9			13		4						
3	TBS, (M829E3)		.64		.80	1.60	0				RDER				3			3			9			12		4						
								:	3	INIT		_	_		3			3		_	10			13		4						
_											RDER				3			3			10			13		4						
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$\vdash$									ŀ	INIT		$\dashv$	_													-						
										REO	RDER																					

	FY 03 / 04 BUDGET PR	OD	UCTION	SCF	IEDUL	E			Item No 3 120M				1829 <i>A</i>	42/M	829E:	3 (E7	8001	)					I	Date:			Jun	e 2001	Į			
												Fis	cal Y	'ear 0	13									F		Year						
				S	PROC	ACCEP PRIOR	BAL	_					_			endar	· Yea										_	Year (	4			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round												+																			
		1	FY 00	A	7	7	0																									0
		2	FY 02	A	5	0	5	1		1		1		1	1																	0
									П																							
									П																							
									П																							
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									П																							
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To	otal				12	7	5	1		1		1	┪	1	1														Г			
								O C T	0	D E C	Α	Е	Α	P	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCT:	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR		7	ТОТА	L	R	EMAF	RKS				
F							REACHED	Nur	nber					Pric	or 1 O	ct	A:	fter 1 (	ct	Af	fter 1 (	Oct	A	fter 1 (	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				3			4			14			18		]						
1	Primex Technologies, St. Peterburg, FL (M829A2)		1.60		2.00	4.00	0		1	REO	RDER				3			7			11			18								
2	Alliant Techsystems, Minneapolis, MN (M829E3)		.64		.80	1.60	0		,	INIT	IAL				3			4			9			13		1						
3	TBS, (M829E3)		.64		.80	1.60	0			REO	RDER				3			3			9			12		1						
								:		INIT		_	_		3			3			10			13		1						
_											RDER		_		3			3			10			13		-						
_									-	INIT		_	4													1						
_									_		RDER	_	_													1						
_									-	INIT		_	4													-						
										REO	RDER																					

	FY 05 / 06 BUDGET PRO	OD	UCTION	SCH	IEDUL:	E			item N i 120M				1829 <i>A</i>	\2/M8	829E3	3 (E78	3001)	)						Date:			Jur	e 200	1			
												Fis	cal Y	ear 0	5									I	iscal	Year	· 06					
				S	PROC	ACCEP	BAL			_					Cale	ndar	Year	r 05								Cale	ndar	Year	06			L A
		M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round									_			$\dashv$		_	$\dashv$													H			
		1	FY 00	A	7	7	0																									0
		2	FY 02	A	5	5	0																									0
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																													L			
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То	ıtal				12	12							_		_										_				┡			
								O C T	0		Α	Е	Α	P	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	Α		J U L		S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE.	AD T	IME			MFR			TOTA	L	R	EMA	RKS				
F							REACHED	Nur	nber					Pric	or 1 Oc	ct	Af	ter 1 O	ct	Ai	fter 1 (	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INITI		_	_		3			4			14			18		1						
1	Primex Technologies, St. Peterburg, FL (M829A2)		1.60		2.00	4.00	0				RDER		4		3			7			11			18		4						
2	Alliant Techsystems, Minneapolis, MN (M829E3)		.64		.80	1.60	0	1	2	INITI		_	_		3	_		4			9			13		4						
3	TBS, (M829E3)		.64		.80	1.60	0		_		RDER		_		3			3			9			12		4						
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	]	Date:	J	June 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		TION				P-1 Item Non CTO		IEAT-MP-T M83	30A1 (E78007)	)		
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	77	2	2									
Gross Cost	522.5	10.9	17.2									
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	522.5	10.9	17.2									
Initial Spares												
Total Proc Cost	522.5	10.9	17.2									
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 120mm M830A1 High Explosive Anti-Tank, Multi-Purpose w/Tracer,(HEAT-MP-T) cartridge is designed for use against light armor, buildings and bunkers, as well as providing self-defense capability against attack helicopters. The lethal mechanism includes a shaped-charged warhead and blast effect. This round is fired from the M256 120MM smooth-bore cannon mounted on the Abrams tank. Additionally, the M830A1 is effective against the side and rear aspects of tanks and dismounted anti-tank and automatic weapon teams (targets not suitable to kinetic energy penetrator cartridges). The fixed round utilizes a combustible cartridge case affixed to a steel stub base and loaded with granular propellant. The fin-stabilized, high chrome alloy steel projectile body contains press-loaded high explosive and a precision copper liner. The fuze is armed during launch and initiated by an impact switch or proximity sensor, depending upon the operational mode selected by the ammo loader. This item is code A, approved for service use.

#### Justification:

Procurement of the M830A1 adheres to the Army's Transformation Campaign Plan and Moderization Stategy by maintaining the Abrams Main Battle Tank as an effective and lethal battlefield direct fire assault vehicle. The Abrams' 120mm gun will remain in the bulk of the tank inventory for at least the next 25 years. The M830A1 ammunition is essential in maintaining battlefield overmatch capabilities of the Abrams Tank. This procurement builds war reserve inventory in accordance with the Army's procurement goal. The production and fielding of the M830A1 provides increased volocity, accuracy, and reduced time in flight when compared to the previous M830 HEAT-T cartridge. Additionally, with the fielding of this cartridge, the individual tank crew now has a credible self-defense capability to engage and defeat attacking helicopter platforms.

TYPE CLASSIFICATION: September 1992

Acquisition Manager: Project Manager, Tank and Medium-Caliber Armament Systems (PM-TMAS).

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement o	Sudget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclatur M HEAT-MP-T M8			Weapon System	Type:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		10067	2	4143									
SubTotal AMMO Hardware		10067											
<b>Production Support Costs</b>													
Production Engineering		2775											
Quality Assurance		776											
Acceptance Testing		595											
SubTotal Prod. Support		4146											
Cost - Nonrecurring													
XM908 Conversion		2528											
Program closeout		500											
SubTotal COST - Nonrecurring		3028											
Total		17241											

Exhibit P-5a, Budget Procurement His	tory and Planning							Date: Jı	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syster	m Type:		P-1 Line Ite	em Nomenc HEAT-MP-T M8				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Complete Round FY 2000	Alliant Techsystem Minneapolis, MN	SS/FP	ARDEC	June-00	Aug-01	2	4143	yes	no	no
REMARKS:										

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	I <b>EDU</b> L	E			Item N 3 120N				Г М83	0A1	(E780	07)								Date:			Jur	e 200	1			
												Fi	scal Y	∕ear (	01									I	iscal	Year	· 02					
				S	PROC	ACCEP	BAL				Ь,				Cale	endar	· Yea	r 01						_	_	Cale	ndar	Year (	02			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	mplete Round										Н													+	$\vdash$	+		+	H	$\vdash$		
		1	FY 00	A	2	0	2											2														0
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								O C T	N O V	D E C	J A N	F E B	M A R	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	Α		J U L	A U G	Е	
M			PR	ODUCTI	ON RATES			M	IFR						ADM	11NLE	AD T	IME			MFR			TOTA	<b>L</b>	R	EMAl	RKS				
F							REACHED	Nuı	mber					Pri	ior 1 O	ct	Ai	fter 1 C	)ct	At	fter 1 (	Oct	Α	After 1	Oct	J						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					3			12			11			23								
1	Alliant Techsystem, Minneapolis, MN		2.00		3.00	5.00	0	_	1		RDER				3			9			14			23		4						
Ш										INIT		_														4						
Ш											RDER															4						
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Ι	Date:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom CTO		MM TP-T M83	1/M831A1 (E7	73300)		
Program Elements for Cod	e B Items:			Code:	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	816	105	57	87	86							
Gross Cost	672.5	57.8	35.2	48.0	46.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	672.5	57.8	35.2	48.0	46.2							
Initial Spares												
Total Proc Cost	672.5	57.8	35.2	48.0	46.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 120MM M831A1 Target Practice-Tracer (TP-T) is a target practice round that simulates the ballistics of the chemical energy service round (M830). This round is fired from the M256 120MM smooth bore cannon on the M1A1/M1A2 Abrams tank. The projectile is inert and is composed of a steel spike aluminum body, ring, stabilizer, nylon obturator and tracer. The stabilizer spins the round in flight. This item is Code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. Tank crews conduct live fire training with this round to meet and maintain gunnery proficiency. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals. The acquisition strategy for FY 1999 - FY 2003 is a five year multi-year production contract.

TYPE CLASSIFICATION DATE: 1983

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature 120MM TP-T M83	e: 1/M831A1 (E73300)		Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		29530	57	518.07	45072	87	518.07	45138	86	524.86			
SubTotal AMMO Hardware		29530			45072			45138					
<b>Production Support Costs</b>													
Production Engineering		4723			2424			1062					
Quality Assurance		52			35								
Acceptance Testing		903			502								
SubTotal Prod. Support		5678			2961			1062					
Total		35208		617.68	48033		552.10	46200		537.21			

Exhibit P-5a, Budget Proc	curement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMU	INITION	Weapon Syste	ет Туре:			em Nomeno 20MM TP-T M8	elature: 31/M831A1 (E73300)	)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Complete Round										
FY 2000 #	Alliant Tech Sys, Inc New Brighton, MN	CM-2/FP	OSC	Jan 2000	Dec 2000	22	491.48			
FY 2000 #	Primex Tech St. Petersburg, FL	CM-2/FP	OSC	Jan 2000	Jan 2001	35	491.18			
FY 2001 #	Alliant Tech Sys, Inc New Brighton, MN	CM-3/FP	OSC	Jan 2001	Dec 2001	44	499.99	Y		
FY 2001 #	Primex Tech St. Petersburg, FL	CM-3/FP	OSC	Feb 2001	Jan 2002	43	499.99	Y		
FY 2002	TBS	CM-4/FP	OSC	Jan 2002	Oct 2002	86	524.86	Y		

REMARKS:

REMARKS: TBS - To Be Selected
# Actual contract price for Multiple Producers

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	I <b>EDU</b> L1	E			tem N TAN				M831	1/M83	31A1	(E733	300)							Date	:		Jı	une 2	2001				
												Fis	scal Y	'ear 0	)1									]	Fiscal	l Yea	ar 02						
				S	PROC	ACCEP	BAL								Cale	ndar	Yea	r 01								Cal	enda	r Ye	ar 02	:			L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A I F	A N	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round									$\dashv$		$\dashv$	$\dashv$	$\dashv$		$\dashv$							Н		+	╁		+	$\dashv$		$\dashv$	$\dashv$	
Г	•	1	FY 00 P	Α	54.0	33.0	21.0	14 0	7.0							$\neg$							Г			T		$\dashv$	┪				0
Г		2	FY 00 P	A	51.0	41.0	10.0	- 110	,,,,	10.0																$\top$							0
Г		1	FY 00	Α	22.0	0.0	22.0			11.0				11.0												$\top$							0
		2	FY 00	Α	35.0	0.0	35.0			22,0	17.0				18.0																		0
		1	FY 01	A	44.0	0.0	44.0				A											21.0	)			$\top$				23.0			0
Г		2	FY 01	A	43.0	0.0	43.0			$\neg$		Α				$\neg$							24.	0		Т		$\neg$	$\neg$		19.0		0
		3	FY 02	A	86.0	0.0	86.0																- "										86.0
		3	FY 00	MC	2.0	0.0	2.0			$\neg$						$\neg$			2.0										$\neg$				0
		3	FY 01	MC	5.0	0.0	5.0												_,,						5.	0							0
		3	FY 02	MC	5.0	0.0	5.0																										5.0
																										$\top$		$\neg$					
																										$\top$							
																							Г			T		$\neg$					
																							Г			T		$\neg$					
																							Г			T		$\neg$					
Г													$\neg$													T							
То	tal				347.0	74.0	273.0	14.0	7.0	21.0	17.0			11.0	18.0				2.0			21.0	24.	0	5.	0				23.0	19.0		91.0
								0	N	D	J	F	M	Α	M	J	J	A	S	О	N	D	J	F	М	A	A N	М	J	J	Α	S	
								Ċ	O	E	A	E	A	P		Ü	Ü		S E	Ċ	О	E							U	U		E	
								T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C				F	۲ ۲	Y	N	L	G	P	
M			PR	ODUCTI	ON RATES			MI	FR						ADM	IINLE.	AD T	IME			MFR			TOT	AL		REM.	ARK	.S				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	At	fter 1 C	ct	At	fter 1 (	Oct	_ A	After 1	Oct						ing ro		
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INITI	IAL				6			4			9			13							nd hav		50/50 tween
1	Alliant Tech Sys, Inc, New Brighton, MN		.13		1.00	27.00	5	1		REOI	RDER				6			4			9			13									eflects
2	Primex Tech, St. Petersburg, FL		.13		1.00	27.00	5	2	,	INITI	IAL				6			4			9			13		e	entire	rou	nd cy	cle fo	r all b	uys	
3	TBS		.13		1.00	27.00	5			REOI	RDER				6			4			9			13		(	comb	ined	. It is	not S	Servic	e spe	citic
								3	,	INITI	IAL				6			4			9			13		1							
$\Box$										REOI	RDER				6			4			9			13		4							
$ldsymbol{ldsymbol{ldsymbol{eta}}}$										INITI			_													4							
$\vdash$											RDER		_													4							
$\vdash$										INITI			_										_			4							
										REOI	RDER																						

	FY 03 / 04 BUDGET PI	ROD	UCTION	SCE	IEDUL	E					nclatur OMM		M831	I/M8:	31A1	(E73.	300)							Date:			Jun	e 200	1			
												Fis	scal Y	'ear (	)3									I	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 03								Caler	dar `	Year (	04			L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round									$\dashv$			┪												$\vdash$				H			
		1	FY 00 P	A	54.0	54.0	0.0																									0
		2	FY 00 P	A	51.0	51.0	0.0																									0
		1	FY 00	A	22.0	22.0	0.0																									0
		2	FY 00	A	35.0	35.0	0.0																									0
		2	FY 01	A	43.0	43.0	0.0																									0
		1	FY 01	A	44.0	44.0	0.0																									0
		3	FY 02	A	86.0	0.0	86.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.0	7.0													0
		3	FY 00	MC	2.0	2.0	0.0																									0
		3	FY 01	MC	5.0	5.0	0.0																									0
		3	FY 02	MC	5.0	0.0	5.0						5.0																			0
Тс	otal				347.0	256.0	91.0	7.2	7.2	7.2	7.2	7.2	12.2	7.2	7.2	7.2	7.2	7.0	7.0													
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B		P	M A Y	J U N	J U L		Е	
M			PR	ODUCT	ON RATES			MI	₹R						ADM	IINLE	AD T	IME			MFR			TOTA	ΛL	R	EMAI	RKS				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Ai	fter 1 (	)ct	Α	fter 1	Oct	A	After 1	Oct							s line
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+	1		INIT	IAL				6			4			9			13								50/50 etween
1	Alliant Tech Sys, Inc, New Brighton, MN		.13		1.00	27.00	5	1		REO	RDER				6			4			9			13		Âl	liant	and Pi	rimex	. Lea	dtime	reflects
2	Primex Tech, St. Petersburg, FL		.13		1.00	27.00	5	2		INIT			_		6			4		_	9			13				ound c				ecific.
3	TBS		.13		1.00	27.00	5				RDER				6			4			9			13		co	mom	cu. Il	is no	serv	ice sp	CCITIC.
$\vdash$								3	;	INIT			_		6			4		_	9			13		4						
$\vdash$											RDER				6			4			9			13		-						
$\vdash$										INIT		_	_													4						
$\vdash$											RDER		-													-						
$\vdash$										INIT			_							$\vdash$						-						
										REO	RDER																					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	1	Date:	J	Tune 2001		
Appropriation/Budget Activ Procurement of Ammunition, A		ION				P-1 Item Non CTO		0MM TPCSDS-T	M865 (E7340	00)		
Program Elements for Code	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	2059	240	140	199	198							
Gross Cost	1342.1	122.2	80.6	100.6	97.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1342.1	122.2	80.6	100.6	97.5							
Initial Spares												
Total Proc Cost	1342.1	122.2	80.6	100.6	97.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 120MM M865 Target Practice Cone-Stabilized Discarding Sabot with Tracer (TPCSDS-T) is a target practice round that simulates the ballistics of the 120MM M829A2 Armor Piercing Fin-Stabilized Discarding Sabot with Tracer round. This round is fired from the M256 120MM cannon on the M1A1/M1A2 Abrams tank. This item is Code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals. The requested ammunition is required to support annual tank proficiency training for 120MM gunned tanks. Training with this round simulates the firing of the Army's most lethal armor-defeating kinetic energy round in support of Army readiness objectives. The acquisition strategy for FY 1999 - FY 2003 is a five year, multi-year production contract.

TYPE CLASSIFICATION DATE: 1984

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature 120MM TPCSDS-1			Weapon System T	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		68698	140	490.70	97649	199	490.70	97487	198	492.36			
SubTotal AMMO Hardware		68698			97649			97487					
Production Support Costs Production Engineering Quality Assurance Acceptance Testing		10764 81 1070			2056 50 825								
SubTotal Prod. Support		11915			2931								
Total		80613		575.81	100580		505.43	97487		492.36			

Exhibit P-5a, Budget Pro	curement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMM	UNITION	Weapon Systo	ет Туре:			em Nomeno 20MM TPCSDS	clature: -T M865 (E73400)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Complete Round										
FY 2000 #	Alliant Tech New Brighton, MN	CM-2/FP	OSC	Jan 2000	Nov 2000	55	468.31			
FY 2000#	Primex Tech St. Petersburg, FL	CM-2/FP	OSC	Jan 2000	Oct 2000	85	468.03			
FY 2001 #	Alliant Tech New Brighton, MN	CM-3/FP	OSC	Jan 2001	Oct 2001	99	472.62	Y		
FY 2001 #	Primex Tech St. Petersburg, FL	CM-3/FP	OSC	Feb 2001	Nov 2001	100	472.62	Y		
FY 2002	TBS	CM-4/FP	OSC	Jan 2002	Oct 2002	198	492.36	Y		

REMARKS:

REMARKS: TBS - To Be Selected
# Actual contract price for multiple producers.

	FY 01 / 02 BUDGET I	PROE	OUCTION	SCF	IEDUL	E			Item N TAN				SDS-T	Г М86	65 (E7	73400	))							Date:			Jun	e 2001	1			
												Fi	scal Y	Year (	01									F	iscal	Year	02					
				s	PROC	ACCEP	BAL								Cal	endar	· Yea	r 01								Caler	ıdar '	Year (	)2			L
	COST ELEMENTS	M F R	FY	E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Co	mplete Round																								$\vdash$		$\vdash$	$\vdash$	Н			
		1	FY 00 P	Α	123.0	104.0	19.0				18.0		1.0																			0
		2	FY 00 P	A	117.0	69.0	48.0			32.0	4.0	9.0	3.0																			0
		1	FY 00	A	55.0	0.0	55.0		10.0	10.0			10.0	10.0			10.0	5.0														0
		2	FY 00	A	85.0	0.0	85.0	14.0			14.0	14.0			14.0	14.0			15.0													0
		1	FY 01	A	99.0	0.0	99.0				Α									24.0	)				25.0	)	24.0	)			26.0	0
		2	FY 01	A	100.0	0.0	100.0					A									22.0	)				27.0	)	27.0			24.0	0
		3	FY 02	A	198.0	0.0	198.0																									198.0
		1	FY 00 P	MC	8.0	0.0	8.0											8.0														0
		2	FY 00 P	MC	12.0	0.0	12.0										9.0	,	3.0													0
		3	FY 00	MC	4.0	0.0	4.0												4.0													0
		1	FY 00	MC	3.0	0.0	3.0						3.0																			0
		2	FY 00	MC	3.0	0.0	3.0								3.0																	0
		3	FY 01	MC	9.0	0.0	9.0																		9.0	o						0
		3	FY 02	MC	9.0	0.0	9.0																									9.0
То	tal				825.0	173.0	652.0	14.0	10.0	42.0	36.0	23.0	17.0	10.0	17.0	14.0	19.0	13.0	22.0	24.0	22.0	)			34.0	27.0	) 24.(	27.0			50.0	207.0
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N			P	M A Y	J U N	J U L	A U G	S E P	
М			PR	ODUCT.	ON RATES			M	FR						ADN	ЛINLE	EAD T	IME			MFR	<b>\</b>		TOTA	ΛL	R	EMAF	RKS				
F							REACHED	Nur	nber					Pr	ior 1 O	)ct	A	fter 1 (	)ct	Α	fter 1	Oct	A	After 1	Oct	M	865/N	1831 <i>A</i>	1 tra	ining r	ounds	line
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΊAL				6			4			9			13						and ha		
1	Alliant Tech, New Brighton, MN		.13		1.00	27.00	5	1	1	REO	RDER				6			4			9			13								tween reflects
2	Primex Tech, St. Petersburg, FL		.13		1.00	27.00	5		2	INIT	TAL				6			4			9			13		en	tire ro	ound c	ycle 1	for all l	ouys	
3	TBS		.13		1.00	27.00	5		4	REO	RDER				6			4			9			13		co	mbine	ed. It	is not	Servi	e spe	ecific.
									3	INIT	ΊAL				6			4			9			13								
										REO	RDER				6			4			9			13								
Ш										INIT																1						
Ш											RDER															4						
Ш										INIT										_						4						
										REO	RDER																					

	FY 03 / 04 BUDGET PF	ROD	UCTION	SCE	IEDUL	E			tem N				SDS-T	`M86	65 (E7	73400	)							Date:			Jun	e 200	1			
												Fi	scal Y	ear (	03									I	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 03								Caler	dar `	Year (	)4			L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Сс	omplete Round																												H			
		1	FY 00 P	A	123.0	123.0	0.0																									0
		2	FY 00 P	A	117.0	117.0	0.0																									0
		1	FY 00	Α	55.0	55.0	0.0																									0
		2	FY 00	A	85.0	85.0	0.0																									0
		2	FY 01	A	100.0	100.0	0.0																									0
		1	FY 01	A	99.0	99.0	0.0																									0
		3	FY 02	A	198.0	0.0	198.0	16.0	16.0	16.0	16.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0													0
		1	FY 00 P	MC	8.0	8.0	0.0																									0
		2	FY 00 P	MC	12.0	12.0	0.0																									0
		3	FY 00	MC	4.0	4.0	0.0																									0
		1	FY 00	MC	3.0	3.0	0.0																						L			0
		2	FY 00	MC	3.0	3.0	0.0																						L			0
		3	FY 01	MC	9.0	9.0	0.0																						L			0
		3	FY 02	MC	9.0	0.0	9.0						9.0																L			0
																													L			
																													L			
																													L			
																													L			
То	otal				825.0	618.0	207.0	16.0	16.0	16.0	16.0	17.0	26.0	17.0	17.0	17.0	17.0	17.0	15.0										L			
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N			P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCT	ON RATES			M	FR						ADN	ИINLE	EAD T	IME			MFR			TOTA	ΛL	R	EMAI	RKS				
F							REACHED	Nur	nber					Pr	ior 1 C	)ct	A	fter 1 (	)ct	A	fter 1	Oct	Α	After 1	Oct							s line
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	TAL				6			4			9			13								50/50 etween
1	Alliant Tech, New Brighton, MN		.13		1.00	27.00	5		1		RDER				6			4			9			13		Âl	liant	and Pi	imex	. Lead	ltime	reflects
2	Primex Tech, St. Petersburg, FL		.13		1.00	27.00	5	. :	2	INIT					6			4			9			13						for all		ecific.
3	TBS		.13		1.00	27.00	5				RDER				6			4			9			13			шиш	cu. Il	15 1101	SCIVI	ce sp	cenic.
								3	3	INIT					6			4			9			13		-						
$\vdash$											RDER				6			4			9			13		-						
$\vdash$								ł		INIT																-						
$\vdash$										REO	RDER															1						
								l			RDER		$\vdash$													1						
										KEO	KDEK																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	une 2001		
Appropriation/Budget Act Procurement of Ammunition,		TON				P-1 Item Non CTO		IM BLANK M3	337A1 (E1520	))		
Program Elements for Co	de B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	782	34	62	40	38							
Gross Cost	16.6	1.4	2.5	1.8	1.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	16.6	1.4	2.5	1.8	1.8							
Initial Spares												
Total Proc Cost	16.6	1.4	2.5	1.8	1.8							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 75MM blank cartridge is used on the Pack 75 howitzer for ceremony, parade, and training purposes. The cartridge consists of a brass aluminum cartridge case containing loosely packed black powder and a press-fitted percussion primer. A fiber wad is inserted over the black powder and a polystyrene closing cap is cemented in place with a polyster resin adhesive. This item is Code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. FY 2002 procurements supports residential and VIP salutation, simulated firing, and annual peacetime training.

TYPE CLASSIFICATION DATE:

1975

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Exh	nibit P-40	, Budge	et Item J	ustifica	tion Sho	eet		Date:	J	June 2001		
Appropriation/Budget Act Procurement of Ammunition,		ION				P-1 Item Nom CTO		5MM BLANK M	1395 (E21200)			
Program Elements for Cod	de B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	4 FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	284		121									
Gross Cost	6.8		6.5									
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	6.8		6.5									
Initial Spares												
Total Proc Cost	6.8		6.5									
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The cartridge 105MM Blank M395 consists of a short cartridge containing a black powder and primer. The cartridge case is either brass, steel, or aluminum. The round weighs 6.0 lbs and is fired from the M101, M101A1, M102, and M119 howitzers. This cartridge is used to support training exercises, retreat ceremonies, VIP salutes, and burial ceremonies. This item is Code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. Procurement supports annual training and builds toward a 200 day depot level, supporting authorized retention quantity for use upon the death of past Presidents.

TYPE CLASSIFICATION: 1962

Exhibit P-5, Weapon AMMO Cost Analysis			/ity/Serial No. n, Army / 1 / AMMU	NITION	P-1 Line I CTG ARTY	tem Nomenclatur 7 105MM BLANK N	е: ИЗ95 (E21200)		Weapon System	Туре:	Date: June 2	001
AMMO II		FY 00			FY 01			FY 02			FY 03	
Cost Elements C		Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack	619	5 121	51.36									
Primer Perc M61	8		0.62									
SubTotal AMMO Hardware	628	1										
Production Support Costs												
Production Engineering Quality Assurance	11 4											
Interim Transportation		2										
Industrial Stock Support	9											
SubTotal Prod. Support	25	5										
Total	654	)	54.21									

Exhibit P-5a, Budget Procure	ement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITIO	NO	Weapon Syste	ет Туре:			tem Nomeno				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Load, Assemble, and Pack										
FY 2000	American Ordnance (IAAP) Middletown, IA	SS/FP	OSC, Rock Island, IL	Mar 2000	Jun 2001	121	51.36			
Primer Perc M61										
FY 2000	TBS	C/FP	OSC, Rock Island, IL	May 2001	May 2001	142	0.62			

REMARKS: TBS - To Be Selected
Contract awarded as a total system buy less percussion primer.

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	IEDUL	E			item N ART				NK M	1395 (	E2120	00)								Date:			Jun	e 200	1			
												Fi	scal Y	∕ear (	01									1	iscal	Year	02					
				S	PROC	ACCEP	BAL				Щ				Cale	endar	Yea	r 01							_	Caler	dar '	Year (	02			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack											$\dashv$												+	+			$\vdash$	H			
		1	FY 00	A	121	0	121									22	22	22	22	22	1	1										0
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То	tal				121		121									22	22	22	22	22	1	1		_		_		_	┡			
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	Α	J U N	J U L	A U G	S E P	O C T	N O V	Е	J A N	Е	Α	P	M A Y		J U L	A U G	Е	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFF	₹		TOTA	<b>L</b>	R	EMAI	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	)ct	A	fter 1	Oct	Α	After 1	Oct	J						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT	ΊAL				6			6			10			16								
1	American Ordnance (IAAP), Middletown, IA		22.40		22.40	22.40	1		1		RDER				6			6			10			16		4						
Ш										INIT																4						
Ш											RDER															4						
Н										INIT																-						
Н											RDER															-						
Н										INIT		-											$\vdash$			-						
Н										REO	RDER															1						
Н									ŀ		RDER															1						
ш										KEU	KDEK																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	1	Date:	J	June 2001		
Appropriation/Budget Act Procurement of Ammunition,		ION				P-1 Item Non CTO		MM DPICM XI	M915 (E53500	))		
Program Elements for Coc	le B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	9		3									
Gross Cost	22.4		12.4	6.9								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	22.4		12.4	6.9								
Initial Spares												
Total Proc Cost	22.4		12.4	6.9								
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 105mm Dual Purpose Improved Conventional Munition (DPICM) is the extended range round for the M119A1 Howitzer. This cartridge incorporates the M200 propelling charge whose projectiles contain a sub-munition payload of 42 dual purpose M80 grenades. The projectiles utilize a one-piece, all-steel body/ogive assembly which is scalloped to contain the cargo without additional ancilliary hardware (keys, splines, spacers,etc.). Projectile functioning is the same as the 155mm Improved Conventional Munition (ICM) round, the M483A1. The M80 is a 1.22 inch diameter fragmentation shaped charge grenade optimized for the 105mm system. It uses a post embossed rhombus fragmentation pattern for superior anti-personnel performance. In response to the problem of hazardous battlefield duds, the M80 grenade will be the first ICM bomblet to utilize self destruct fuzing.

#### Justification:

Procurement supports the acquisition of a more lethal artillery round and provides "deep strike" round capability for the Light Infantry Division (LID). It increases sustainability of the LID on the battlefield. It replaces the 105mm Anti-Personnel Improved Conventional Munition (APICM) M444 round. The self-destruct fuze with submunition should reduce the problem of any unexploded submunitions. Procurement builds war reserve stockpiles in support of the Army's procurement goal. This item is code A, approved for limited service use.

Type Classification Date: TC-Low Rate Procurement March 1998; TC Standard July 2004

Acquisistion Manager: PM ARMS

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclatur 105MM DPICM X			Weapon System	Гуре:	Date: June 2	2001
	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE	_			0.40									
	В	574	3	0.19									
Projectile Metal Parts		951	3	0.32									
Grenade Body Assembly		445	98	0.50									
Fuzes, XM234 Grenade Self Destruct		1850	101	0.18									
Ctg Case XM217		122	3	0.41									
Container PA117/PA112		225	3	0.08									
Other Hardware		224	3	0.75									
SubTotal AMMO Hardware		4391											
Production Support Costs													
Production Engineering		513			1385								
1 Todation Engineering		515			1303								
SubTotal Prod. Support		513			1385								
COST - Nonrecurring													
High Rate Equipment		7500			2500								
Layaway					450								
Contracts Restructure					2001								
Restart					600								
SubTotal COST - Nonrecurring		7500			5551								
Sub Fount Cost From ecurring		7200			5551								
Total		12404		3468.00	6936								
		12.04		2.00.00	0,50								

Exhibit P-5a, Budget Procureme	ent History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			tem Nomenc				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2000 Projectile Metal Parts	Day & Zimmerman, Inc	SS/CPFF	OSC	Nov 00	Apr 04	3	0.19	Yes		
FY 2000	Chamberlain Mfg Scranton, PA	SS/FP	TACOM-ARDEC	Sep 00	Jun 01	3	0.32	Yes		
Grenade Body Assembly										
FY 2000 Fuzes, XM234 Grenade Self Destruct	Amron Corporation	SS/FP	TACOM-ARDEC	Sep 00	Mar 01	98	0.50	Yes		
FY 2000	KDI Precision Products Cinncinatti, OH	SS/FP	TACOM-ARDEC	Nov 00	Jan 04	101	0.18	No	Jun 01	
Ctg Case XM217										
FY 2000 Container PA117/PA112	SNC	SS/FP	TACOM-ARDEC	Sep 00	Feb 01	3	0.41	Yes		
FY 2000	Various	C/FP	TACOM-ARDEC	Apr 00	Feb 01	3	0.08	Yes		

REMARKS:

	FY 04 / 05 BUDGET	PROE	OUCTION	I SCF	IEDUL	E			Item N 3 ART				M XI	M915	(E535	500)								Date:			Jun	e 200	1			
												Fi	scal Y	∕ear (	)4									F	iscal	Year	05					
				S	PROC	ACCEP	BAL				Ц,				Cale	endar	Yea	r 04								Calen	dar `	Year (	)5			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Loa	id, Assemble, and Pack																											$\vdash$	Н			
		1	FY 99 P	A	9	0	9		1	1	2	2	3																			0
		1	FY 00	A	3	0	3							3																		0
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Tot	aı				12		12		1	1	2	2	3	3														+	Н			
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	Α	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U L	A U G	S E P	
M			PF	ODUCT	ION RATES			M	IFR						ADM	/INLE	AD T	IME			MFR			ТОТА	L	R	EMAI	RKS				
F							REACHED	Nuı	mber					Pri	ior 1 O	ct	Af	fter 1 C	Oct	At	fter 1	Oct	Α	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	ΊAL				6			14			11			25								
1	Day & Zimmerman, Inc		2.00		6.00	14.00	0		1	REO	RDER				6			14			11			25								
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Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet		ГҮ 105MM M927 (E93300) s:				
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nomenclature CTG ARTY 105MM M927 (E93300)  Related Program Elements:						
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:	June 2001 Elature RTY 105MM M927 (E93300) ents:				
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 200	June 2001 lature RTY 105MM M927 (E93300) nts:		To Complete	Total Prog	
Proc Qty		7		4								
Gross Cost		5.0	0.3	3.0	0.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		5.0	0.3	3.0	0.0							
Initial Spares												
Total Proc Cost		5.0	0.3	3.0	0.0							
Flyaway U/C												
Wpn Sys Proc U/C												
		•										

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The CTG 105MM High Explosive Rocket Assisted (HERA) M927 is a semi-fixed cartridge which includes the M14B4 Cartridge Case, M28 Percussion Primer, M67 Prop Charge and Rocket Assisted Projectile. The round is shipped unfuzed and is compatible with the M739A1 PD, M732A2 VT, M582A1 MT, and M767 ETSQ fuzes. It is a zone 7 extended range cartridge designed to deliver a TNT loaded, high explosive warhead at medium to intermediate ranges. It can be fired rocket-on or rocket-off. The M927 warhead, when detonated, produces blast, fragmentation and cratering. The M927 can be fired from the M101A1, M102, and M119A1 howitzers.

#### Justification:

The M927 is a training standard item. Procurement supports training and war reserve requirements for National Guard units. FY 2002 procurement of \$14,000 supports Engineering in Support of Production (ESIP).

TYPE CLASSIFICATION DATE:

1994

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Exl	hibit P-40	, Budge	et Item J	ustifica	tion Sho	eet	I	Date:	J	June 2001		
Appropriation/Budget Ac Procurement of Ammunition		ION				P-1 Item Non CTO		MM ILLUM M	314 SERIES (I	E21700)		
Program Elements for Co	ode B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	4112		11		6							
Gross Cost	255.1		7.7	0.1	5.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	255.1		7.7	0.1	5.0							
Initial Spares												
Total Proc Cost	255.1		7.7	0.1	5.0							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The 105MM M314 Illumination Cartridge is used to illuminate a designated target area. It has a hollow steel forged projectile with a streamlined ogive, gliding metal rotating band, and a pinned base plug. The projectile cavity contains the expelling charge, illuminating canister, and parachute assembly. The projectile is assembled with a MTSQ fuze. The round is fired in the M101, M101A1, M102 and M119 Howitzers. This item is Code A, approved for service use.

#### Justification:

Procurement supports the acquisition of training and war reserve stockpile in accordance with Department of Defense guidance. FY 2002 procurement supports annual peacetime training and build a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1QFY70

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclatur 105MM ILLUM M	e: 314 SERIES (E2170	0)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE													
Load, Assemble, and Pack		6118	11	537.17				3066	6				
Proj 105 M314A2E1		1234	12	106.21				933	6				
*Ctg Case Steel M14B4		149	12	12.82				84	6				
Charge Prop								202	6	31.24			
*Charge Prop		114	12	9.83				•					
*Prop M1 SP (LB)		65	7	8.76				39	4	9.44			
*Prop M1 MP (LB)		106	25	4.17				65	14				
Primer 28B2								325	13	25.00			
*Primer 28B2		63	23	2.79					_				
*Fuze Artillery Mech Time M577								245	6	38.71			
*Fuze Artillery Elec Time M762		919	11	80.71									
Container Fiber M105A3		169	12	14.53									
SubTotal AMMO Hardware		8937						4959					
<b>Production Support Costs</b>													
Production Engineering					125			454					
Quality Assurance		4			3			13					
Interim Transportation		68						3					
Industrial Stock Support		130						41					
SubTotal Prod. Support		202			128			511					
COST - Nonrecurring													
Government Furnished Material		-1416						-433					
SubTotal COST - Nonrecurring													
Total		7723		678.05	128			5037		794.40			
		= *			-20			2.3.					

Exhibit P-5a, Budget Procur	rement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNIT	ΓΙΟΝ	Weapon Syst	ет Туре:			em Nomeno	elature: 1314 SERIES (E2170	00)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issi Date
Load, Assemble, and Pack										
FY 2000 FY 2002 <b>Proj 105 M314A2E1</b>	TBS TBS	C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL	Aug 2001 Mar 2002	Aug 2002 May 2003	11 6	537.17 483.62	Y		
FY 2000 FY 2002 *Ctg Case Steel M14B4	TBS TBS	C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL	Jul 2001 Mar 2002	Jul 2002 Mar 2003	12 6	106.21 144.25	Y		
FY 2000 FY 2002 *Charge Prop	Stock Issue Stock Issue	N/A N/A	N/A N/A	N/A N/A	N/A N/A	12 6				
FY 2000 FY 2002 *Prop M1 SP (LB)	Stock Issue TBS	N/A C/FP	N/A OSC, Rock Island, IL	N/A Mar 2002	N/A Feb 2003	12 6	31.24			
FY 2000 FY 2002	Stock Issue Stock Issue	N/A N/A	N/A N/A	N/A N/A	N/A N/A	7 4				

REMARKS: TBS - To Be Selected \*Government Furnished Material

Exhibit P-5a, Budget Procurem	ent History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syst	ет Туре:			em Nomeno	elature: 1314 SERIES (E2170	00)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issi Date
*Prop M1 MP (LB)										
FY 2000 FY 2002 *Primer 28B2 FY 2000	Stock Issue Stock Issue	N/A N/A N/A	N/A N/A	N/A N/A N/A	N/A N/A N/A	25 14 23				
FY 2002 *Fuze Artillery Mech Time M577	TBS	C/FP	OSC, Rock Island, IL	Mar 2002	Feb 2003	13	25.86	Y		
FY 2002 *Fuze Artillery Elec Time M762	Stock Issue	N/A	N/A	N/A	N/A	6				
FY 2000 Container Fiber M105A3	Stock Issue	N/A	N/A	N/A	N/A	11				
FY 2000	TBS	C/FP	OSC, Rock Island, IL	Jun 2001	Apr 2002	12	14.53			

REMARKS: TBS - To Be Selected \*Government Furnished Material

	FY 01 / 02 BUDGET P	ROD	UCTION	SCE	IEDUL:	E			item N				M M3	314 S	ERIES	S (E2	1700	)						Date:			Jun	e 200	1			
												Fis	scal Y	ear (	)1									F	`iscal	Year	02					
				S	PROC	ACCEP	BAL				Щ		_		Cale	ndar	Year								_	Calen	_	_	)2	_		L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	nd, Assemble, and Pack										Н		$\dashv$		$\dashv$	$\dashv$								$\vdash$	$\vdash$			$\vdash$		$\vdash$		
		1	FY 00	A	11.4	0.0	11.4									$\neg$		Α											Г	7.0	4.4	4 0
		1	FY 02	A	6.3	0.0	6.3																									6.3
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	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Load	d, Assemble, and Pack									$\dashv$			$\dashv$																Н	$\vdash$		
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		1	FY 02	A	6.3	0.0	6.3								6.3																	0
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M			PR	ODUCT	ON RATES			М	IFR						ADM	4INLE	EAD T	IME			MFR			ТОТА	L	RI	EMAF	ks				
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Ex	hibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	Г	ate:	J	June 2001		
Appropriation/Budget A Procurement of Ammunitio		ION				P-1 Item Non PRO		MM SMOKE	WP M825 (E67	7800)		
Program Elements for C	ode B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	460											
Gross Cost	218.3		10.3	14.5								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	218.3		10.3	14.5								
Initial Spares												
Total Proc Cost	218.3		10.3	14.5								
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This is a materiel change to the M825 series 155MM White Phosphorous (WP) smoke projectile which is designed to be ballistically similar to the M483A1 family of projectiles and is compatible with all current and developmental U.S. 155MM artillery weapon systems. The M825 series projectile is required to provide fire support to foward area troops and equipment. Artillery delivered smoke screens are required in combat situations to support maneuver forces by reducing the effectiveness of enemy visual observation. The M825 series projectile consists of a modified M483A1 carrier, a felt wedge payload, a base, and a separately issued fuze. The modified carrier uses steel instead of the standard M483A1 fiber glass wrap about the circumference of the projectile carrier to offset the low density of the payload. The payload consists of 116 WP soaked felt wedges in a hermetically sealed canister positioned in the projectile body between the ogive and the base. The canister is a cylinder of thin rolled steel to which flat steel ends are welded. Either a mechanical or electronic time fuze is used to detonate the expulsion charge setting off a chain reaction resulting in the expulsion, ignition, and dissemination of the felt wedges thus creating the desired smoke screen. This item is Code A, approved for service use.

#### Justification:

This is a training standard item used in both training and combat. Procurement supports an urgently needed materiel change to correct current design defects that result in a high malfunction rate which threatens the safety of the using unit. The purpose of the materiel change is to test an improved design to allow resumption of prior year production and subsequent renovation of existing stocks. Renovation of these stocks is required to support annual peacetime training requirements and build a war reserve inventory in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1982

Exhi	ibit P-40	, Budge	et Item J	ustifica	tion Sh	eet		Date:	÷	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Non PRO		55MM HE M795	(E66800)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 200	4 FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	364		20									
Gross Cost	179.8		9.8									
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	179.8		9.8									
Initial Spares												
Total Proc Cost	179.8		9.8									
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M795 projectile consists of 23.8 pounds of TNT explosive loaded into a 78.1 pound high fragmentation steel body assembly. The projectile is fitted with a protective shock attenuating lifting plug at the nose and a grommet which protects the rotating band during shipping and handling. The projectile can use several different fuzes (impact, mechanical time and short intrusion proximity). The M795 supplements the currently stockpiled M107. It will be used for conventional fire support for harassment and interdiction, fragmentation, mining and blast effect. It is also used as a registration round for the M483A1 family of cargo. It provides greater range and effectiveness than the M107, which cannot be fired at top zone with the M203A1 (Zone 8) charge. This item is Code A, approved for service use.

#### Justification:

The M795 will support the following howitzers: M198, M109 Series, including Paladin, and the Trilateral FH70 and Crusader. This procurement builds war reserve inventory in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: February 1982

Acquisition Manager: PM ARMS

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement o	Sudget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclatur Y 155MM HE M795			Weapon System	Type:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE		2210	20	116									
Load, Assemble, and Pack		2310	20	116									
Metal Parts		4291	21	207									
Metal Pallets		425	3	163									
Lifting Plugs		146	21	7									
SubTotal AMMO Hardware		7172											
Production Support Costs													
Production Engineering		1881											
Quality Assurance		80											
Acceptance Testing		650											
SubTotal Prod. Support		2611											
COST - Nonrecurring													
First Article Testing													
Value Engineering													
Product Improvement													
Government Furnished Material													
Government Furnished Material													
SubTotal COST - Nonrecurring													
											l		
Total		9783											
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Exhibit P-5a, Budget Procure	ement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITIO	NO	Weapon Syste	em Type:			em Nomeno				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Is Date
Load, Assemble, and Pack										
FY 2000	American Ordnance Iowa AAP, IA	Option	ARDEC, Picatinny Arsenal	Jun 00	Apr 02	20	116	Yes		
Metal Parts FY 2000	Chamberlain Mfg Scranton AAP, PA	Option	ARDEC, Picatinny Arsenal	Jun 00	Feb 02	21	207	Yes		
Metal Pallets	,									
FY 2000	Nomura Rock Island, IL	Option	ARDEC, Picatinny Arsenal	Jun 00	Feb 02	3	163	Yes		
Lifting Plugs	ŕ									
FY 2000	H&R Products South Bend, IN	Option	ARDEC, Picatinny Arsenal	Jun 00	Feb 02	21	7	Yes		
REMARKS:										

	FY 00 / 01 BUDGET 1	PROE	OUCTION	SCE	IEDUL	E					nclatui 5MM		M795	(E668	800)									Date:			Jun	e 2001	1			
												Fi	scal Y	ear (	00									I	iscal	Year	01					
L				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 00								Caler	ıdar `	Year (	)1			L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Loa	d, Assemble, and Pack																												Н			
		1	FY 00 &P	A	383.0	48.4	334.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.1	7 4.	7 1.8	8 4.3	3 4.3	3 4.4	12.2	2 12.2	12.3	203.2
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	FY 02 / 03 BUDGET 1	PROE	OUCTION	SCE	IEDUL	E					nclatui 55MM		M795	(E66	800)									Date:			Jun	e 200	1			
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				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 02								Caler	ndar `	Year	03			L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Т
Loa	ad, Assemble, and Pack																								$\vdash$	$\vdash$		+	H			
		1	FY 00 &P	A	383.0	179.8	203.2	10.3	10.0	14.3	3.6	3.6	3.6	12.7	12.8	12.7	5.1	5.1	5.1	10.5	10.5	10.5	9.9	9.9	9 9.9	9 4.8	8 4.5	8 4.8	9.0	9.6	9.5	0.0
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Tot	tal				383.0	179.8	203.2	10.3	10.0	14.3	3.6	3.6	3.6	12.7	12.8	12.7	5.1	5.1	5.1	10.5	10.5	10.5	9.9	9.9	9 9.9	9 4.8	8 4.5	8 4.8	9.0	9.6	9.5	0.0
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M			PR	ODUCT	ION RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	<b>L</b>	R	EMAI	RKS				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	fter 1 C	ct	A	fter 1	Oct	Α	After 1	Oct	1						
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1	American Ordnance, Iowa AAP, IA		7.00		11.00	28.00	0				RDER				3			9			22			31		4						
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Ext	nibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	D	ate:	J	June 2001		
Appropriation/Budget Ac Procurement of Ammunition		ION				P-1 Item Non PRO		MM SADARM	I M898 (E6630	00)		
Program Elements for Co	de B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1033											
Gross Cost	233.7	31.3	14.9									
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	233.7	31.3	14.9									
Initial Spares												
Total Proc Cost	233.7	31.3	14.9									
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

DESCRIPTION: The 155mm Sense and Destroy Armor (SADARM) projectile provides an enhanced counterbattery and anti-armored vehicle capability to attack targets well beyond the Forward Line of Troops (FLOT). The SADARM projectile functions in a fire and forget mode. This indirect fire mission is accomplished under inclement weather, degraded battlefield conditions and Nuclear, Biological, Chemical (NBC) environments, both day and night. The SADARM munitions are designed for use against self-propelled howitzers, armored personnel carriers and other stationary armored threat vehicles encountered in counterfire, close support, Suppression of Enemy Air Defense (SEAD) and interdiction. The 155mm SADARM is delivered in the same manner as other 155mm munitions. Once dispensed from its carrier, the submunition detects targets using dual-mode millimeter wave and infrared sensors, and fires an explosively formed penetrator through the top of the target. The projectile is compatible with the momentum limits of standard and developmental 155mm Howitzers including Crusader and LW155 Towed. It is ballistically similar to the cargo family of 155mm ammunition. Operational interface with other systems is accomplished through Tactical Fire Control System (TACFIRE), Advanced Field Artillery Tactical Data System (AFATDS), and appropriate target acquisition sources. The item is Code A, approved for limited service use.

#### Justification:

JUSTIFICATION: The FY 2000 funds will be used to complete and support the prior years procurement and associated close-out costs.

Type Classification Dates: Low Rate Production: January 1995 Milestone Approval: Milestone IIIA (DAB): March 1995

ACQUISITION MANAGER: PM ARMS

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		rity/Serial No. , Army / 1 / AMMU	NITION	P-1 Line I PROJ ART	tem Nomenclatur Y 155MM SADARN	e: 4 M898 (E66300)		Weapon System	Туре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AMMUNITION HARDWARE Complete Round													
SubTotal AMMO Hardware													
Production Support Costs Production Engineering		2000											
Quality Assurance Acceptance Testing/Reliability Testing Production Testing		438											
Contract Close-out		12500											
SubTotal Prod. Support		14938											
COST - Nonrecurring First Article Testing Value Engineering & Royalties Live Fire Testing Initial Production Testing Target Replacement													
SubTotal COST - Nonrecurring													
Total		14938											

	FY 00 / 01 BUDGET P	PROE	OUCTION	SCF	IEDUL:	E			item N J ART				ARM	I M89	98 (E6	6300)	)							Date:	:		Jur	ie 200	)1			
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	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
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M			PR	ODUCT	ON RATES			M	FR						ADM	11NLE	AD T	IME			MFR			TOTA	AL	F	REMA	RKS				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	fter 1 C	ct	At	fter 1	Oct	A	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT					3			6			19			25								
1	Aerojet, Azusa, CA		20.00		50.00	125.00	0		1		RDER				3			3			14			17								
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	une 2001		
Appropriation/Budget Act Procurement of Ammunition,		ION				P-1 Item Nom REN		DENIAL ART	TLLERY MUT	NITION (RAI	OAM) (E67505)	)
Program Elements for Coc	le B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty				59	104							
Gross Cost			8.2	27.4	48.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			8.2	27.4	48.2							
Initial Spares												
Total Proc Cost			8.2	27.4	48.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Remote Area Denial Artillery Munition (RADAM) projectile, is a single shot artillery munition used with 155mm howitzers. The RADAM will use the existing Area Denial Artillery Munition (ADAM) and Remote Anti-Armor Munition (RAAM) submunitions to emplace artillery-delivered minefields to delay, disrupt, destroy and deny the enemy the use of certain terrain. Each RADAM projectile will contain anti-personnel and anti-armor submunitions that will self-destruct at a preset period of time. No modifications will be made to the submunitions. The RAAMS anti-armor mines accomplish the area denial objective of the minefield. The anti-armor mine arms after coming to rest on the ground. Any threat armored object passing over the mine will cause it to initiate and damage or destroy the vehicle. The ADAM anti-personnel submunitions prevent enemy personnel from neutralizing/breaching the RAAMS in the minefield after the minefield has been emplaced. When disturbed by enemy movement, the trip wire will activate the explosive sequence. This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).

#### Justification:

The RADAM projectile program is an initiative to implement Presidential policy and DoD direction. The National Command Authorities (NCA) have determined that the use of a single projectile with mixed systems containing both self-destruct (SD) anti-personnel and anti-armor submunitions preserves the right to employ artillery-delivered Family of Scatterable Mines (FASCAM) mines in order to deny enemy the use of certain terrain and for force protection.

Type Classification Date 25 October 2000; Initial Operational Capability: (Projected) March 2002

Acquisition Manager: Project Manager, Mines Countermine and Demolitions (PM-MCD)

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION	P-1 Line I REMOTE A (RADAM)	tem Nomenclature AREA DENIAL ART (E67505)	e: TILLERY MUNITIO	N	Weapon System 7	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
Hardware Load, Assemble & Pack Complete Round Long Lead Components		2300			25000	59	427	44408	104	427			
Subtotal		2300			25000			44408					
Production Support Production Engineering Quality Assurance Acceptance Testing		1387 300 800			1019 300 100			1000 410 200					
Subtotal		2487			1419			1610					
<b>Non-Recurring Costs</b> Storage and Handling Tooling		800 2600			700 300			2100 100					
Subtotal		3400			1000			2200					
Total		8187			27419			48218					

Exhibit P-5a, Budget Procureme	ent History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	ет Туре:			tem Nomeno EA DENIAL AR	clature: TILLERY MUNITIC	ON (RADAM	) (E67505)	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble & Pack Complete Round										
FY 2001	Day&Zimmerman (LSAAP) Texarkana TX	SS/FP	OSC	Sep 01	Jan 02	59	427	Yes		
FY 2002	Day&Zimmerman (LSAAP) Texarkana TX	Option	OSC	Mar 02	Nov 03	104	427	Yes		
REMARKS: Note: * FY00 funding used for procu	rement of long-lead components and support.									

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	[EDUL]	E			Item N 1OTE				ART	ILLE	ERY N	ИUNI	TION	N (RA	DAM	1) (E6	7505	)		Date:			Jun	e 200	1			
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M			PR	ODUCTI	ON RATES			M	FR						ADM	4INLE	AD T	IME			MFR			TOTA	ΛL	R	EMAF	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Ai	fter 1 C	)ct	A	fter 1 (	Oct	A	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				3			6			20			26								
1	Day&Zimmerman (LSAAP), Texarkana TX		2.00		4.00	9.00	0		1	REO	RDER				3			6			20			26								
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	FY 03 / 04 BUDGET 1	PROE	UCTION	SCH	IEDUL	E			tem N IOTE				. ART	TILLE	RY M	ИUNI	TION	N (RA	DAM	1) (E6	7505	)		Date:			Jun	e 2001	l			
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				s	PROC	ACCEP	BAL								Cale	endar	Yea	r 03								Calen	dar '	Year (	)4			L A
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Loa	ad, Assemble & Pack Complete Round																															
		1	FY 01	A	59	51	8	8																								0
		1	FY 02	A	104	0	104		8	8	8	8	9	9	9	9	9	9	9	9	)											0
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M			PR	ODUCTI	ON RATES			MI	FR						ADV	4INLE	AD T	IME			MFR			ТОТА	J.	RI	EMAF	KS				
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-	Day&Zimmerman (LSAAP), Texarkana TX		2.00		4.00	9.00	0	1	l		RDER				3			6			20			26		1						
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	FY 05 / 06 BUDGET PI	ROD	UCTION	SCH	I <b>EDU</b> L	E			tem N IOTE				. ART	TILLE	ERY N	MUNI	ITION	N (RA	.DAM	И) (Еб	57505	6)		Date:			Jun	e 2001				
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	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
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M			PR	ODUCTI	ON RATES			M	FR						ADN	MINLE	EAD T	IME			MFR			TOTA	L	R	EMAF	KS				
F							REACHED	Nur	nber					Pr	ior 1 O	)ct	A:	fter 1 (	Oct	A	fter 1	Oct	Α	After 1	Oct	J						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	TAL				3			6			20			26								
1	Day&Zimmerman (LSAAP), Texarkana TX		2.00		4.00	9.00	0		ı	REO	RDER				3			6			20			26		J						
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Exhi	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	D	ate:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		ION				P-1 Item Nom PRO		5MM HE M107	(E27601)			
Program Elements for Code	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	26605	243	114	198	224							
Gross Cost	950.7	42.3	24.1	39.8	41.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	950.7	42.3	24.1	39.8	41.4							
Initial Spares												
Total Proc Cost	950.7	42.3	24.1	39.8	41.4							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This is a multi-purpose high explosive projectile fired from 155MM howitzers. It is used for blast effect and fragmentation. The projectile may be loaded with either 14.6 pounds of TNT or 15.4 pounds of composition B explosives. The normal cavity model will not accommodate a proximity-type fuze. The deep-cavity model has a supplementary charge of .3 pounds which may be removed to allow the use of proximity fuzes. This item is Code A, approved for service use.

## Justification:

This is a training standard item used in both training and combat. The FY 2002 procurement supports annual peacetime training requirements and build war reseve inventory in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1958

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/Bourement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature Y 155MM HE M107			Weapon System	Гуре:	Date: June 2	001
	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE													
Load, Assemble, and Pack		8143	114	71.63	13629	198	68.69	14700	224				
Proj M107 MPTS		12146	116	104.74	21199	202	104.74	23957	229				
*Comp B Type 1 Grade A (LB)								9000	3835	2.35			
*TNT Type 1 Flake (LB)		2891	1842	1.57	5047	3215	1.57						
Plug, Shock Attenuating		584	116	5.03	1033	202	5.11						
*Plug, Shock Attenuating								400	229				
Grommet		120	117	1.02	212	204	1.04	282	231	1.22			
*Supplemental Charge		424	116	3.66	728	202	3.60	823	229				
Reclaim OP F/Supp Chg		637	116	5.50	1128	202	5.58	1119	229	4.89			
SubTotal AMMO Hardware		24945			42976			50281					
Production Support Costs													
Production Engineering		584			557			613					
Quality Assurance		12			12			12					
Acceptance Testing		750			1076			250					
Interim Transportation		346			315			50					
Industrial Stock Support		362			649			417					
SubTotal Prod. Support		2054			2609			1342					
COST - Nonrecurring													
Government Furnished Material		-2891			-5775			-10223					
SubTotal COST - Nonrecurring													
Total		24108		212.06	39810		200.63	41400		184.62			

Exhibit P-5a, Budget Procuren	nent History and Planning							Date:	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION	ſ	Weapon Syste	ет Туре:			em Nomeno 55MM HE M10				
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2000	American Ordnance (IAAP) Middletown, IA	SS/FP	OSC, Rock Island, IL	Sep 2000	Dec 2001	114	71.63			
FY 2001	American Ordnance (IAAP) Middletown, IA	SS/FP	OSC, Rock Island, IL	Apr 2001	Jun 2002	198	68.69	Y		
FY 2002	American Ordnance (IAAP) Middletown, IA	SS/FP	OSC, Rock Island, IL	Mar 2002	Mar 2003	224	65.55	Y		
Proj M107 MPTS										
FY 2000		SS/FP	OSC, Rock Island, IL	Apr 2000	Mar 2001	116	104.74			
FY 2001		SS/FP	OSC, Rock Island, IL	Apr 2001	Jan 2002	202	104.74	Y		
FY 2002		SS/FP	OSC, Rock Island, IL	Mar 2002	Jan 2003	229	104.74	Y		
*Comp B Type 1 Grade A (LB)										
FY 2002	Stock Issue	N/A	N/A	N/A	N/A	3835				
*TNT Type 1 Flake (LB)										
FY 2000	Stock Issue	N/A	N/A	N/A	N/A	1842				
FY 2001	Stock Issue	N/A	N/A	N/A	N/A	3215				
Plug, Shock Attenuating										
FY 2000	TBS	C/FP	OSC, Rock Island, IL	May 2001	Nov 2001	116	5.03			

REMARKS: TBS - To Be Selected \*Government Furnished Material

Exhibit P-5a, Budget Procur	ement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITI	ION	Weapon Syst	ет Туре:		P-1 Line Ito PROJ ARTY 1:					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
FY 2001	TBS	C/FP	OSC, Rock Island, IL	May2001	Dec 2001	202	5.11			
*Plug, Shock Attenuating										
FY 2002	Stock Issue	N/A	N/A	N/A	N/A	229				
Grommet										
FY 2000	Midgard Inc Greelane, PA	C/FP	OSC, Rock Island, IL	Mar 2000	Nov 2000	117	1.02			
FY 2001	TBS	C/FP	OSC, Rock Island, IL	May 2001	Dec 2001	204	1.04	Y		
FY 2002	TBS	C/FP	OSC, Rock Island, IL	Mar 2002	Nov 2002	231	1.22	Y		
*Supplemental Charge										
FY 2000	Stock Issue	N/A	N/A	N/A	N/A	116				
FY 2001	Stock Issue	N/A	N/A	N/A	N/A	202				
FY 2002	Stock Issue	N/A	N/A	N/A	N/A	229				
Reclaim OP F/Supp Chg										
FY 2000	McAlester AAP (MCAAP) McAlester, OK	SS/FP	OSC, Rock Island, IL	May 2000	Jul 2001	116	5.50			
FY 2001	McAlester AAP (MCAAP) McAlester, OK	SS/FP	OSC, Rock Island, IL	Feb 2001	Dec 2001	202	5.58	Y		
FY 2002	McAlester AAP (MCAAP) McAlester, OK	SS/FP	OSC, Rock Island, IL	Feb 2002	Dec 2002	229	4.89	Y		

REMARKS: TBS - To Be Selected \*Government Furnished Material

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	I <b>EDU</b> L	E			Item N J ART				M107	(E27	601)									Date:			Jun	e 2001	l			
												Fis	scal Y	ear (	)1									F	ìscal	Year	02					
				S	PROC	ACCEP	BAL								Cale	endar	· Yea	r 01								Caler	dar Y	Year (	2			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Loa	ad, Assemble, and Pack																								$\vdash$							
		1	FY 00 P	A	243.0	0.0	243.0			33.0			44.0			52.0			79.0			35.0										0
		1	FY 00	A	114.0	0.0	114.0															42.0			72.0	)						0
		1	FY 01	A	198.0	0.0	198.0																					74.0			60.0	64.0
		1	FY 02	A	224.0	0.0	224.0																									224.0
		1	FY 02	MC	55.0	0.0	55.0																									55.0
									П																							
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To	al				834.0		834.0			33.0			44.0			52.0			79.0			77.0			72.0	)		74.0			60.0	343.0
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	Α	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	4INLE	AD T	IME			MFR			ТОТА	L	R	EMAF	KS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	A	fter 1 (	Oct	A	fter 1 (	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				6			6			12			18		]						
1	American Ordnance (IAAP), Middletown, IA		8.60		25.00	42.30	0		1	REO	RDER				6			6			12			18								
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				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 03								Cale	ndar	Year	04			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Т
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		1	FY 00	A	114.0	114.0	0.0																									0
		1	FY 01	A	198.0	134.0	64.0			60.0			4.0																			0
		1	FY 02	A	224.0	0.0	224.0						5.0			75.0			70.0			74.0										0
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R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				6			6			12			18								
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	FY 05 / 06 BUDGET PR	ROD	UCTION	SCH	I <b>EDU</b> L	E			item No J ART				M107	(E27	601)									Date:			Jur	e 200	1			
												Fis	scal Y	∕ear (	05									I	iscal	Year	· 06					
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 05							_	Cale	ndar	Year (	)6			L A
		M F R	FY	S E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Loa	ad, Assemble, and Pack												$\dashv$											+				+	H			
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		1	FY 00	A	114.0	114.0	0.0																			Т						0
		1	FY 01	A	198.0	198.0	0.0																									0
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M			PR	ODUCTI	ON RATES			M	FR						ADM	ИINLE	EAD T	IME			MFR			TOTA	L	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	)ct	A:	fter 1 (	Oct	A	fter 1	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT	IAL				6			6			12			18								
1	American Ordnance (IAAP), Middletown, IA		8.60		25.00	42.30	0				RDER		_		6			6			12			18		4						
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Ext	nibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	une 2001		
Appropriation/Budget Ac Procurement of Ammunition,		ION				P-1 Item Nom MO		ΓILLERY CHA	RGE SYSTEN	И (MACS) (EI	R8021)	
Program Elements for Co	de B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty			455	490	836							
Gross Cost			42.6	39.6	87.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			42.6	39.6	87.4							
Initial Spares												
Total Proc Cost			42.6	39.6	87.4							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line item funds production of the Modular Artillery Charge System (MACS), intended for use with US 155mm cannon field artillery systems including the M198 and XM777 towed cannon systems, the M109A3/A4/A5 and M109A6 Paladin self-propelled systems, and the XM2001 Crusader system. MACS consists of the M231 "low zone" increment designed to achieve ranges from 3.0 to 11.5 km, the XM232 "high zone" increment designed to achieve ranges from 10-40+ km and their associated packaging. Each MACS increment includes propellant, an ignition system, and a combustible case. Performance enhancing additives are included in the XM232 "high zone" increment. Packaging permits long-term storage, transportation and helps protect the items from unplanned stimuli. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

MACS is required to achieve logistics improvements to 155MM cannon field artillery (to include the XM2001 Crusader system) operational flexibility, range, rate-of-fire, system accuracy and insensitive munitions (IM) compliance; when used in the XM2001 Crusader and other artillery systems. In addition, MACS is less expensive to procure than the current family of artillery propelling charges and is projected to decrease operation and support costs associated with artillery propelling charges at least 10% once fielded.

Type Classification Date: M231 25 Oct 99, XM232 4Q FY01

Acquisition Manager: PM Crusader

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU:	NITION		tem Nomenclature R ARTILLERY CHA			Weapon System [	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
Ammunition Hardware													
Load, Assemble and Pack		16054	455	35	7856	490	16	23572	836	28			
Combustible Case Sets		14759	483	31	15159	504	31	27200	850	32			
Propellant (Single Base)		8117	1910	4	5803	1377	4	5150	1030	5			
Propellant (Triple Base)								16600	2600	6			
Ignition System/Spheriodal Propellant		207	34	7	225	31	7	378	54	7			
Misc Components		160	5	32	465	4	11	300	9	33			
Lap Containers					5200	123	42	7770	185	42			
SMP992 Additive Pellets								910	35	26			
Sub Total Ammo Hardware		39297			34708			81880					
<b>Production Support Costs</b>													
Production Engineering		1069			2411			2422					
Quality Assurance		400			420			200					
Testing		587			900			1320					
Technical Rpt Prep		84			360			80					
Value Engineering					300			150					
Fielding								530					
<b>Sub Total Production Support Costs</b>		2140			4391			4702					
Costs- Non Recurring													
Inert Training Devices		664			466			831					
Case Coating Evaluation		500											
-		200											
Sub Total Costs Non Recurring		1164			466			831					
Total		42601			39565			87413					

Exhibit P-5a, Budget Procuremen	nt History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			em Nomenc RTILLERY CH	lature: ARGE SYSTEM (MA	ACS) (ER802	1)	
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Load, Assemble and Pack										
FY 2000	Hitech Woodberry, AR	C-FP	Picatinny Arsenal	Jun-00	Aug-01	455	35	Y		Feb-0
FY 2001	American Ordnance Middletown, IA	C-FP	Picatinny Arsenal	Feb-01	Feb-02	490	16	Y		Sep-0
FY 2002	TBS	C-FP	Picatinny Arsenal	Nov-01	Oct-02	836	28	Y		Sep-0
Combustible Case Sets										
FY 2000	Armtec Coachella, CA	SS-FP	Picatinny Arsenal	Apr-00	Jul-00	483	31	Y		Feb-00
FY 2001	Armtec Coachella, CA	SS-FP	Picatinny Arsenal	Nov-00	Jul-01	504	31	Y		Oct-00
FY 2002	Armtec Coachella, CA	SS-FP	Picatinny Arsenal	Nov-01	Apr-02	850	32	Y		Oct-0
Propellant (Single Base)										
FY 2000	Alliant Techsystems Radford, VA	C-FP	Picatinny Arsenal	May-00	Apr-01	1910	4	Y		Mar-0
FY 2001	Alliant Techsystems Radford, VA	C-FP	Picatinny Arsenal	Dec-00	Oct-01	1377	4	Y		Oct-00
FY 2002	TBS	C-FP	Picatinny Arsenal	Dec-01	Jul-02	1030	5	Y		Oct-01
Propellant (Triple Base)										
FY 2002	TBS	C-FP	Picatinny Arsenal	Nov-01	May-02	2600	6	Y		Aug-0
Ignition System/Spheriodal Propellant										

REMARKS:

t History and Planning							Date: J	une 2001	
	Weapon Syste	ет Туре:					ACS) (ER802	1)	
Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Primex St. Marks, FL	SS-FP	Picatinny Arsenal	Jun-00	Oct-00	34	7	Y		Mar-0
Primex	SS-FP	Picatinny Arsenal	Dec-00	Feb-01	31	7	Y		Mar-0
Primex St. Marks, FL	SS-FP	Picatinny Arsenal	Nov-01	Feb-02	54	7	Y		Mar-0
· ·									
Conco Louisville, KY	C-FP	Picatinny Arsenal	Feb-01	Apr-01	123	42	Y		Sep-0
TBS	C-FP	Picatinny Arsenal	Feb-02	Apr-02	185	42	Y		Sep-0
		·							
Primex St. Marks, FL	SS-FP	Picatinny Arsenal	Jan-02	May-02	35	26	Y		Oct-0
	Primex St. Marks, FL Primex St. Marks, FL Primex St. Marks, FL Conco Louisville, KY TBS Primex	Contractor and Location  Contract Method and Type  Primex SS-FP St. Marks, FL Primex St. Marks, FL Primex St. Marks, FL Primex Conco Louisville, KY TBS C-FP Primex SS-FP SS-FP	Primex St. Marks, FL Primex St. Marks, FL Primex St. Marks, FL Primex St. Marks, FL Primex Conco Louisville, KY TBS Primex SS-FP Picatinny Arsenal C-FP Picatinny Arsenal Primex SS-FP Picatinny Arsenal Primex SS-FP Picatinny Arsenal	Contractor and Location  Contract Method and Type  Primex St. Marks, FL Primex SS-FP Picatinny Arsenal Nov-01  Conco C-FP Picatinny Arsenal Feb-01  Conco Louisville, KY TBS C-FP Picatinny Arsenal Feb-02  Primex SS-FP Picatinny Arsenal Feb-02	Contractor and Location  Contract Method and Type  Primex St. Marks, FL Primex SS-FP Picatinny Arsenal Feb-01 Apr-01 Apr-01 Primex SS-FP Picatinny Arsenal Feb-02 Apr-02 Primex SS-FP Picatinny Arsenal Feb-03 Apr-02 May-02	Contractor and Location  Contract Method and Type  Primex St. Marks, FL SS-FP Picatinny Arsenal Feb-01 Apr-01 123 Louisville, KY TBS C-FP Picatinny Arsenal Feb-02 Apr-02 185 Primex SS-FP Picatinny Arsenal Jan-02 May-02 35	Contractor and Location  Contract Method and Type  Primex St. Marks, FL SS-FP Picatinny Arsenal SS-FP Picatinny Arsenal Feb-01 Apr-01 123 42 Louisville, KY TBS C-FP Picatinny Arsenal Feb-02 Apr-02 185 42 Primex SS-FP Picatinny Arsenal Jan-02 May-02 35 26	Contractor and Location  Contract Method and Type  Primex St. Marks, FL  Conco Louisville, KY TBS C-FP Picatinny Arsenal Feb-01 Apr-01 123 42 Y Primex Primex SS-FP Picatinny Arsenal Feb-02 Apr-02 185 42 Y Primex	Contractor and Location  Contract Method and Type  Primex St. Marks, FL Primex SS-FP Picatinny Arsenal Feb-01 Apr-01 123 42 Y Feb-02 Apr-02 185 42 Y Primex Primex SS-FP Picatinny Arsenal Primex Primex SS-FP Picatinny Arsenal Primex Primex Pariant Primex Pariant Primex Pariant Primex Pariant Primex Primex Pariant Primex Primex Pariant Pariant Primex Pariant Parian

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				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 00								Cale	ıdar `	Year	01			L A
		M F R	FY	E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	Т
Lo	oad, Assemble and Pack									$\dashv$			$\dashv$															$\vdash$	H	H	H	
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		2	FY 01	A	490	0	490																	Α	١							490
		3	FY 02	A	836	0	836																									836
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	<b>L</b>	R	EMAI	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	ct	At	fter 1 (	Oct	A	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		, 1	INIT					0			9			13			22		]						
1	Hitech, Woodberry, AR		50.00		120.00	175.00	0		1	REO	RDER				0			0			0			0		1						
2	American Ordnance, Middletown, IA		50.00		120.00	175.00	0	1	2	INIT					1			5			11			16		1						
3	TBS		50.00		120.00	175.00	0				RDER				0			0			0			0		4						
4	TBS		50.00		120.00	175.00	0	3	3	INIT		_	_		4			2			10			12		4						
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				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 02								Ca	lend	ar Y	ear 0	3			L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	1 A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
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		1	FY 00	A	455	60	395	50	50	50	50	0	0	67	67	61																	0
		2	FY 01	A	490	0	490					50	50	50	50	50	50	50	50	50	40	)											0
		3	FY 02	A	836	0	836		Α											66	70	70	7	0 7	0 7	70	70	70	70	70	70	70	0
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M			PR	ODUCTI	ON RATES			MI	FR						ADM	11NLE	AD T	IME			MFR	1		TOT	AL		REN	MARI	KS				
F							REACHED	Nun	nber					Pri	ior 1 O	ct	Af	fter 1 C	)ct	At	fter 1	Oct	Ā	After 1	Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				0			9			13			22									
1	Hitech, Woodberry, AR		50.00		120.00	175.00	0	1	1	REO	RDER				0			0			0			0									
2	American Ordnance, Middletown, IA		50.00		120.00	175.00	0	2	,	INIT	IAL				1			5			11			16									
3	TBS		50.00		120.00	175.00	0		_	REO	RDER				0			0			0			0									
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		1	FY 00	A	455	455	0		П																							0
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	<b>L</b>	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Ai	fter 1 C	ct	Ai	fter 1 (	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		, $\Box$	INIT					0			9			13			22		]						
1	Hitech, Woodberry, AR		50.00		120.00	175.00	0		1	REO	RDER				0			0			0			0		1						
2	American Ordnance, Middletown, IA		50.00		120.00	175.00	0	1	2	INIT					1			5			11			16		1						
3	TBS		50.00		120.00	175.00	0				RDER				0			0			0			0		4						
4	TBS		50.00		120.00	175.00	0	3	3	INIT					4			2			10			12		4						
<u> </u>											RDER				0			0			0			0		4						
$\vdash$		_						4	4	INIT					4			2			10			12		4						
_		_									RDER				0			0			0			0		-						
_		_								INIT		-														-						
										REO	RDER																					

Exhi	bit P-40	, Budge	t Item J	ustifica	tion She	eet	Γ	Oate:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom AR		JZES, ALL TYI	PES (ER8000)			
Program Elements for Code	B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	524.6	6.8	41.7	66.4	56.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	524.6	6.8	41.7	66.4	56.4							
Initial Spares												
Total Proc Cost	524.6	6.8	41.7	66.4	56.4							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes Artillery Fuzes, All Types

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature Y FUZES, ALL TYI			Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
<b>Cost Elements</b>	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
Fuze Artillery Electric Time M767 Fuze Multi Option Fuze Arty Elec Time M762		27791 13951	198 50	8 0	5295 45215 15881	40 155 158	0 0 0	8605 37548 10290	64 139 81	0			
Total		41742			66391			56443					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	une 2001				
	roc Qty         404         27         198         40         64           ross Cost         61.5         5.0         27.8         5.3         8.6           ess PY Adv Proc         9													
Program Elements for Code	P-1   Item Nomenclature   FVZE ARTY ELEC TIME M767 (E61200)													
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog		
Proc Qty	404	27	198	40	64									
Gross Cost	61.5	5.0	27.8	5.3	8.6									
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc (P-1)	61.5	5.0	27.8	5.3	8.6									
Initial Spares														
Total Proc Cost	61.5	5.0	27.8	5.3	8.6									
Flyaway U/C									ГІМЕ М767 (Е61200)					
Wpn Sys Proc U/C														

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M767A1 Electronic Time (ET) Fuze is a boostered version of the M762A1 Electronic Time (ET) Fuze. In tandem with the M762A1 Fuze, the M767A1 Fuze is currently being qualified by Bulova Technologies under a contract award to conduct a Materiel Change Program (MCP) on the basic M762 and M767 ET Fuze designs. Bulova is also under contract to deliver the initial M767A1 production quantity. The MCP improves producibility, upgrades technology, provides a more robust design, and enhances user interface. The M767A1 will retain the existing dual setting capability (1) Hand set without need for any tool, and (2) remote inductive setting for higher rates of fire. This fuze will be used in 155mm howitzers. In addition to US requirements, the Fuze will also comply with RSI agreements for artillery weapon systems. The fuze utilizes a quartz crystal for its time base providing greater accuracy without increased cost. Because of the faster and easier setting methods, employment of the M767A1 Fuze will result in fewer setting errors over the current M767 Fuze as well as over the M582 Mechanical Time Super Quick (MTSQ) Fuze that it replaces. The M767A1 Fuze is also considerably more accurate than the MTSQ, especially over extended ranges. This item will be code A, approved for service use.

#### Justification:

The FY 2002 procurement continues to support testing, training and war reserve requirements of the family of Improved Conventional Munitions (ICM). The M767A1 will replace the Mechanical Time Fuzes which were phased out in FY 1990.

TC Standard: M767 September 1988; M767A1 February 2001

Acquisition Manager: TACOM-ARDEC, Picatnny Arsenal, NJ

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature Y ELEC TIME M76			Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE		1500	100	0	255	40	_	116					
Load, Assemble, and Pack	A	1502	198	8	277	40	112	446	64				
Fuze Metal Parts - M767A1		23186	198 26	0 7	4467 25	40 5	112	7201	64 8				
Box, Metal, M2A1		181	20	/	35	3	′	56	8	/			
SubTotal AMMO Hardware		24869			4779			7703					
Production Support Costs													
Production Engineering		1000			180			371					
Quality Assurance		425			90			120					
Acceptance Testing		1300			228			380					
Interim Transportation		53			9			16					
SubTotal Prod. Support		2778			507			887					
COST - Nonrecurring													
First Article Testing		100											
Government Furnished Material		44			9			15					
SubTotal COST - Nonrecurring		144			9			15					
Total		27791		150	5295		115	8605		134			
		21		100	32)3		113	0000		134			

Exhibit P-5a, Budget Procur	rement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNIT	TION	Weapon Syste	em Type:			em Nomeno ELEC TIME M70				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Load, Assemble, and Pack										
FY 2000 FY 2001 FY 2002 Fuze Metal Parts - M767A1	Bulova Unknown Unknown	C/FP C/MY-1/FP C/MY-2/FP	TACOM-ARDEC TACOM-ARDEC TACOM-ARDEC	Apr 00 Jul 01 Apr 02	Aug 01 Jan 03 Jul 03	198 40 64	8 7 7	Yes		
FY 2000 FY 2001 FY 2002	Bulova Unknown Unknown	C/FP C/MY-1/FP C/MY-2/FP	TACOM-ARDEC TACOM-ARDEC TACOM-ARDEC	Apr 00 Jul 01 Apr 02	Jun 01 Oct 02 Apr 03	198 40 64	0 112 113	Yes Yes Yes		

REMARKS: The work for Load, Assemble, and Pack, shall be included within the Fuze Metal Parts contract.

It is anticipated that the FY01-05 buys will be competitively awarded via a single multi-year contract with priced option quantities to satisfy future Army and USMC add on quantities. This multi-year contract shall also include the FY01-05 M762A1 buys.

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	IEDUL:	E			Item N E AR				M76′	7 (E6	1200)									Date	:			June	2001				
												Fi	scal Y	Year (	)1										Fisca	al Y	ear 0	2					
				S	PROC	ACCEP	BAL				Ь,				Cal	endar	Yea	r 01					L	_	_	C	alend	ar Y	ear 02	2			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	A R	1 \ }	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	oad, Assemble, and Pack										Н												H	+	+	+		$\dashv$					
		1	FY 00	A	198	0	198											20		38		38	3		10		40	22					0
		2	FY 01	A	40	0	40																										40
		2	FY 02	A	64	0	64																			┙							64
Fι	uze Metal Parts - M767A1																									┙							
L		1	FY 00	A	198	0	198				Ш					20	20	20	20	20	20	) 20	) 2	0 2	20	18	_		_				0
_		2	FY 01	A	40	0	40		Ш		Ш													_	_	4	_						40
L		2	FY 02	A	64	0	64		Ш		Ш												┖	_	_	4	_						64
L									Ш		Ш									L			╙	_	_	4	_		_				
L									Ш		Ш														_	4							
┕									Ш		Ш												┖	+	+	4	_	_	_				
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L											Ш													+	+	4		_	_				
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Ь											Ш													+	+	4		_	_				
┕											Ш					_								+	+	4	_	_	_				
┕																_								+	+	4	_	_	_				
┕											Ш					_								+	+	4		_	_				
To	otal				604		604				ш					20	20	40	20	58	20	) 58	3 2	.0 6	50	18	40	22					208
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U L	A U G	S E P	O C T	N O V	D E C	J A N	Е	A	1		M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR	t		TOT	AL	T	REM	MARI	ζS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Ai	fter 1 C	)ct	A	fter 1	Oct	_	After	l Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					4			6			16			22		Ц							
1	Bulova		9.00		22.00	50.00	0		1		RDER				4			6			16			22		4							
2	Unknown		9.00		15.00	23.00	0	:	2	INIT					4			7			21		_	28		4							
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Γ	FY 03 / 04 BUDGET PR	OD	UCTION	SCH	IEDULI	E			tem N E AR				M767	7 (E6	1200)								I	Date:			Jun	e 2001	l			
													scal Y											F	iscal	Year	04					
				c	PROC	ACCED	DAI								Cale	endar	Year	r 03								Calen	dar '	Year (	)4			Ļ
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
Lo	oad, Assemble, and Pack									$\dashv$			$\dashv$													$\vdash$						
		1	FY 00	A	198	198	0																									0
		2	FY 01	A	40	0	40				40																					0
		2	FY 02	A	64	0	64										42	22														0
Fu	ze Metal Parts - M767A1																															
		1	FY 00	A	198	198	0																									0
		2	FY 01	A	40	0	40	20	20																							0
		2	FY 02	A	64	0	64							21	22	21																0
Г																																
Тс	otal				604	396	208	20	20		40			21	22	21	42	22														
								O C T	N O V		J A N	F E B	M A R	A P R	Α	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			MI	FR						ADM	IINLE	AD T	IME			MFR		-	TOTA	L	R	EMAF	RKS				
F							REACHED	Nun	nber					Pri	or 1 O	ct	Af	ter 1 O	ct	Af	ter 1 C	Oct	A	fter 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INITI	IAL				4			6			16			22								
1	Bulova		9.00		22.00	50.00	0	1	l	REOI	RDER				4			6			16			22		1						
2	Unknown		9.00		15.00	23.00	0	2	2	INITI			_		4			7			21			28								
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Ext	nibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Г	ate:	J	une 2001							
Appropriation/Budget Ac Procurement of Ammunition,		TION	158 81														
Program Elements for Co	de B Items:			Code:	P-1   Item Nomenclature   FUZE ARTY ELEC TIME M762 (E76300)												
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog					
Proc Qty	716			158	81												
Gross Cost	68.7			15.9	10.3												
Less PY Adv Proc																	
Plus CY Adv Proc																	
Net Proc (P-1)	68.7			15.9	10.3												
Initial Spares																	
Total Proc Cost	68.7			15.9	10.3												
Flyaway U/C																	
Wpn Sys Proc U/C		·															

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M762A1 Electronic Time (ET) Fuze is used with the 105mm and 155mm cargo carrying artillery projectiles. In tandem with the M767A1 Fuze, the M762A1 Fuze is currently being qualified by Bulova Technologies under a contract award to conduct a Materiel Change Program (MCP) on the basic M762 and M767 ET Fuze designs. Bulova is also under contract to deliver the initial M762A1 production quantity. The MCP improves producibility, upgrades the technology, provides a more robust design, and enhances the user interface. The M762A1 will retain the existing dual setting capability: (1) Hand set without need for any tool, and (2) remote inductive setting for higher rates of fire. This fuze is used in the 155mm howtizers. In addition to the US requirements, the Fuze will also comply with Rationalization, Standardization and Interoperability (RSI) agreements for artillery weapon systems. The fuze utilizes a quartz crystal for its time base providing greater accuracy without increased cost. Because of the faster setting methods, employment of the M762A1 Fuze will result in fewer setting errors over the current M762 Fuze as well as over the M577 Mechanical Time Super Quick (MTSQ) Fuze that it replaces. The M762A1 Fuze is also considerably more accurate than the MTSQ, especially over extended ranges. Since the M762A1 and the M767A1 Fuzes will be produced on the same production line, the procurement of the M762A1 will accelerate the achievement of a unit cost reduction for the entire ET artillery fuze family. This item will be code A, approved for service use.

### Justification:

The FY 2002 procurement continues to support testing, training and war reserve requirements of the family of Improved Conventional Munitions (ICM). The M762A1 will replace the Mechanical Time Fuzes which were phased out in FY 1990.

TC Standard: M762 - September 1988

Acquisition Manager: TACOM-ARDEC, Picatinny, NJ

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/E Procurement o		rity/Serial No. 1, Army / 1 / AMMU	NITION		tem Nomenclature Y ELEC TIME M76			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Fuze, ET, M762A1 Box, Metal, M2A1					14179 111	158 16	90 7	9113 71	81 102				
SubTotal AMMO Hardware					14290			9184					
Production Support Costs Production Engineering Quality Assurance Acceptance Testing Interim Transportation					525 275 625 36			401 180 480 24					
SubTotal Prod. Support					1461			1085					
COST - Nonrecurring First Article Testing Government Furnished Material  SubTotal COST - Nonrecurring					100 30 <b>130</b>			21 <b>21</b>					
Total					15881		108	10290		99			

Exhibit P-5a, Budget Procurement Hist	ory and Planning							Date: Ju	ıne 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syster	n Type:		P-1 Line Ite FUZE ARTY E					
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Fuze, ET, M762A1 FY 2001 FY 2002		MYP-1/FP MYP-2/FP	TACOM-ARDEC TACOM-ARDEC	Apr 01 Apr 02	Apr 02 Dec 02	158 81	90 113	Yes Yes		

REMARKS: It is anticipated the that FY01-05 buys will be competitively awarded via a single multi-year contract with priced option quantities to satisfy future Army and USMC add on quantities. This multi-year contract shall also include the FY01-05 M767A1 buys.

	FY 02 / 03 BUDGET 1	PROE	OUCTION	SCH	IEDUL:	E			tem N E AR				M762	2 (E7	6300)	ı								Date:	:		Ju	ne 20	01				
												Fi	scal Y	∕ear (	02									]	Fiscal	Yea	r 03					_	
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 02							_	Cale	ndar	Year	r 03	_			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	I J L N	J U	J I	A S J I G I	S	T E R
Fu	ze, ET, M762A1							$\vdash$																		+		+	+			+	
		1	FY 01	A	158	0	158							15	22	22	22	22	22	22	11								Т				0
		1	FY 02	A	81	0	81															20	20	0 2	0 2	1			Т			Т	0
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То	tal				239		239							15	22	22	22	22	22	22	11	20	20	0 2	0 2	1							
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M			PR	ODUCTI	ON RATES			M	FR						ADM	4INLE	AD T	IME			MFR	Į.		TOTA	AL	]	REMA	.RKS					
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Ai	fter 1 (	Oct	Ai	fter 1	Oct	A	After 1	Oct	┛							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					4			7			8			15		4							
1	Unknown		9.00		15.00	23.00	15		1	REO	RDER				6			7			3			10		4							
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	FY 04 / 05 BUDGET 1	PROD	OUCTION	SCH	IEDUL:	E			Item No E ART				M762	2 (E76	6300)									Date:			Jun	e 2001	1			
												Fis	scal Y	ear 0	)4									I	iscal	Year	05					
				S	PROC	ACCEP	BAL			_					Cale	endar	Year	r 04							_	Caler	ıdar `	Year (	)5			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Fu	ze, ET, M762A1									$\dashv$		$\dashv$	$\dashv$		$\dashv$	$\dashv$								+	+	┢	$\vdash$		H			
Г		1	FY 01	Α	158	158	0			$\neg$																						0
		1	FY 02	A	81	81	0																									0
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То	tal				239	239																										
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE.	AD T	IME			MFR			TOTA	<b>A</b> L	R	EMAI	RKS				
F							REACHED	Nur	nber					Prie	or 1 Oc	ct	Af	fter 1 C	Oct	At	fter 1 (	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					4			7			8			15		1						
1	Unknown		9.00		15.00	23.00	15				RDER				6			7			3			10		4						
Щ									-	INIT		_	_													1						
Ш											RDER		4													4						
Н									-	INIT		_	_													4						
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	D	ate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		TION				P-1 Item Nom FUZ		PTION (ER801	7)			
Program Elements for Code	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty		5	50	155	139							
Gross Cost		1.5	14.0	45.2	37.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		1.5	14.0	45.2	37.5							
Initial Spares												
Total Proc Cost		1.5	14.0	45.2	37.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line item supports procurement of the Multi Option Fuze for Artillery (MOFA). The MOFA is compatible with all current bulk-filled bursting field artillery ammunition fired in 105mm and 155mm cannon systems including M109A6 (Paladin), M198, XM777 Lightweight 155mm Towed Howitzer, and XM2001 Crusader. MOFA provides proximity, precision time, delay and impact functions in a single fuze. The inductive fuze set feature optimizes MOFA for use with automated ammunition handling equipment. MOFA combines proven subassemblies such as the safe and arm device with modern reserve batteries and Monolithic Millimeter/Microwave Integrated Circuit technology to affordably achieve enhanced performance, producibility and safety. This system supports the Legachy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

Expeditious procurement of MOFA is essential to support currently fielded 155mm artillery systems.

Acquisition Manager: PM ARMS

Type Classification Date: 13 Dec 1999

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/B Procurement o		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature TI OPTION (ER801			Weapon System	Гуре:	Date: June 2	2001
<b>AMMO</b> ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE M782 Complete Fuze	12456	50	249	41946	155	271	35274	139	254			
PBX N-5 Explosives, lbs. (GFM)	12436	30	35	335		34	35274	139	254			
M2A1 AMMO Cans (GFM)	50	6	8	193	22	9	144	18	8			
SubTotal AMMO Hardware	12611			42474			35418					
Production Support Costs												
Production Engineering	1100			1156			924					
Logistics and Packaging	100			230			100					
Ballistic Computer Updates	140			120			14					
Quality Assurance, Safety and Environ.	140			350			100					
SubTotal Prod. Support	1340			1856			1138					
COST - Nonrecurring												
First Article Testing				304			200					
Lot Acceptance Testing				0.5			652					
Test and Instrumentation Materials Gov't Test Team				95 30			50 90					
Training Fuzes				456			90					
SubTotal COST - Nonrecurring				885			992					
Total	13951			45215			37548					

Exhibit P-5a, Budget Procu	rement History and Planning							Date:	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNI	ITION	Weapon Syst	ет Туре:		P-1 Line It FUZE MULTI	em Nomeno OPTION (ER80				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
M782 Complete Fuze										
FY 2000	KDI Cinn, Ohio	MYP2-FP	Picatinny Arsenal, NJ	Sep-00	Dec-01	50	249	Y		Feb-00
FY 2001	KDI Cinn, Ohio	MYP3-FP	Picatinny Arsenal, NJ	Dec-00	May-02	155	271	Y		Feb-00
FY 2002	TBS	MYP1-FP	Picatinny Arsenal, NJ	Dec-01	Feb-03	139	254	Y		Jan-01

REMARKS: The FY00 and FY01 buys were part of an approved Multi Year contract action which included the FY99 buy. The current Acquisition Strategy calls for a 5 year Multi-year contract for FY02-FY06. Please note beginning in FY02, the acquisition of the PBX N-5 Explosives will be included in the contract for the M782 MOFA Fuze.

	FY 02 / 03 BUDGET P	ROD	UCTION	SCH	I <b>EDU</b> L	E			Item N E MU				R801′	7)										Date:			Jur	e 200	1			
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M	782 Complete Fuze												_		$\dashv$	$\dashv$									+			+	t	+	+	
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		1	FY 01	A	155	155	0																									0
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Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Oate:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom MIN		NG, ALL TYPE	S (EA0800)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	47.6	1.1	7.8	3.9	9.5							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	47.6	1.1	7.8	3.9	9.5							
Initial Spares												
Total Proc Cost	47.6	1.1	7.8	3.9	9.5							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line covers Mine Training, All Types.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ	ity/Serial No. , Army / 1 / AMMUl	NITION		tem Nomenclature AINING, ALL TYPE			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Mine Practice M88 (Volcano) WAM Individual Trainer WAM Collective Trainer Mod Crowd Control Munition, Non Lethal		3707 1775 2305	4 78 5	926.75 22.76 461.00	1519 2337	3	12.25 779.00	1954	251 1915 4	1.20			
Total		7787			3856			9536					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	1	Date:	J	Tune 2001		
Appropriation/Budget Act Procurement of Ammunition,		ION				P-1 Item Nom WA		OUAL TRAINER	(E78103)			
Program Elements for Coc	le B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	200		78	124	251							
Gross Cost	1.8		1.8	1.5	3.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1.8		1.8	1.5	3.8							
Initial Spares												
Total Proc Cost	1.8		1.8	1.5	3.8							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Wide Area Munition (WAM) Individual Trainer is a totally inert device designed for use by target audience, in classroom settings, to train on proper munition deployment and setup of the hand-emplaced WAM. All munition controls which are required for operational emplacement procedures will be present, physically operational and resettable. All external dimensions will be the same as the tactical munition. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

## Justification:

The WAM Individual Trainer is needed to help train the soldier that will be deploying WAM's in the field. The training device is necessary due to the restrictive cost and safety factors related to the actual employment of the mine for training purposes. The WAM is a smart munition that will require training to achieve a high degree of confidence that soldiers will be able to use it effectively.

Type Classification Date: (Proposed) - June 2002 - LRIP (Proposed) - December 2003 - Standard

Acquisition Manager: Project Manager, Mines Countermine and Demolitions (PM-MCD)

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature IVIDUAL TRAINER			Weapon System	Гуре:	Date: June 2	2001
<b>AMMO</b> ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware WAM Individual Trainer	1101	78	14	1259	124	10	2542	251	10			
Subtotal	1101			1259			2542					
Production Support												
Production Engineering	169			110			250					
Quality Assurance	60			25			80					
Acceptance Testing	85			25			50					
Subtotal	314			160			380					
Non-Recurring Costs												
Producibility	50			25			200					
Engineering Changes	50			25			100					
Production Verification Test	60			50			100					
Contractor Engineering Support	200						500					
Subtotal	360			100			900					
Total	1775			1519			3822					

Exhibit P-5a, Budget Procur	ement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITI	ON	Weapon Syste	ет Туре:			em Nomeno DUAL TRAINE				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
WAM Individual Trainer										
FY 2000	Textron Defense Systems Wilmington, MA	SS/Mod	ARDEC	Jul 00	Aug 00	78	14	Yes		
FY 2001 FY 2002	TBS TBS	C/FP Option	STRICOM STRICOM	Aug 02 Aug 02	Feb 03 Apr 03	124 251	10 10	Yes Yes		
REMARKS:										

	FY 00 / 01 BUDGET PR	ROD	UCTION	SCH	I <b>EDU</b> L!	E			Item N M IND				INER	. (E78	3103)									Date:			Jun	e 2001	1			
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W	AM Individual Trainer												_												+							
		1	FY 00	A	78	0	78										A	40	38													0
		2	FY 01	A	124	0	124																									124
		2	FY 02	A	251	0	251																									251
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1	Textron Defense Systems, Wilmington, MA		25.00		70.00	150.00	0		1	REO	RDER				3			3			11			14		_						
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W	AM Individual Trainer												$\dashv$												+	+	$^{+}$	+	$\dashv$	$\dashv$			
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		2	FY 01	A	124	0	124											A						40	0 7	0 :	14						0
		2	FY 02	A	251	0	251											A									56	70	70	55			0
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1	Textron Defense Systems, Wilmington, MA		25.00		70.00	150.00	0		1	REO	RDER				3			3			11			14		4							
2	TBS		25.00		70.00	150.00	0	:	2	INIT			_		3			11			8			19		4							
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		2	FY 01	A	124	124	0																									0
		2	FY 02	A	251	251	0																									0
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R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT			_		3			7			11			18		1						
1	Textron Defense Systems, Wilmington, MA		25.00		70.00	150.00	0				RDER		_		3			3			11			14		4						
2	TBS		25.00		70.00	150.00	0	1	2	INIT		_	_		3			11			8			19		4						
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Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	1	Date:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		ION				P-1 Item Nom MIN		(VOLCANO) (E	72195)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	180	3	4	3								
Gross Cost	400.3	11.9	18.0	14.9								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	400.3	11.9	18.0	14.9								
Initial Spares												
Total Proc Cost	400.3	11.9	18.0	14.9								
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This canister will be loaded with six improved sensor anti-tank (AT) mines. This canister is designed for quick connect/disconnect to aid loading/unloading and is expendable after use. These mines will be deployed by the Volcano M139 Mine Dispenser to permit quick emplacement of a minefield (1000 meters by 100 meters) that will delay, disrupt and channel enemy forces and restrict their use of critical routes or terrain. This system is critical for the United States Army to be able to conduct Full-Dimension Operations.

## Justification:

The Volcano system is a key component of the Army landmine program. This system will replace the use of hand emplaced conventional minefields, thereby reducing the exposure of personnel to hostile fire.

Type Classification Date M87 Standard - January 1989

M87A1 LRIP - March 1994: Standard - September 1994

Acquisition Manager: Project Manager for Mines, Countermine and Demolitions (PM-MCD)

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ Ammunition	ity/Serial No. , Army / 1 / AMMUl	NITION		em Nomenclature 187 (VOLCANO) (E			Weapon System	Гуре:	Date: June 2	2001
АММО	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
Hardware LAP (M87A1)		4889	4	1222	4000	3	1157						
MSEP Electronic Lens		8500	26	332	6955	22	321						
Coil and Strap Assembly		808	4	186	662	4	186						
Metal Parts Sets		1130	4	261	925	4	260						
AT S&A Assembly		1012	29	35	829	24	35						
Miscellaneous		53		50	43		50						
Subtotal		16392			13414								
Production Support													
Production Engineering		856			788								
Quality Assurance		571			525								
Lot Acceptance Testing		181			135								
Subtotal		1608			1448								
Total		18000			14862								
										1			

Exhibit P-5a, Budget Procurement	History and Planning							Date:	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	ет Туре:			em Nomenc 7 (VOLCANO) (				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Is Date
LAP (M87A1)										
FY 2000	Day&Zimmerman (LSAAP) Texarkana, TX	SS/FP	OSC	Apr 01	Nov 01	4	1222	Yes		
FY 2001	Day&Zimmerman (LSAAP) Texarkana, TX	SS/FP	OSC	May 01	Oct 02	3	1157	Yes		
MSEP Electronic Lens										
FY 2000	Alliant Techsystems Edina, MN	SS/FP	ARDEC	Sep 00	Mar 01	26	332	Yes		
FY 2001	Alliant Techsystems Edina, MN	Option	ARDEC	Mar 01	Dec 01	22	321	Yes		
Coil and Strap Assembly										
FY 2000	MaTech Salisbury, MD	SS/FP	ARDEC	Sep 00	May 01	4	186	Yes		
FY 2001	MaTech Salisbury, MD	Option	ARDEC	Apr 01	Sep 01	4	186	Yes		
Metal Parts Sets										
FY 2000	MaTech Salisbury, MD	SS/FP	ARDEC	Sep 01	May 01	4	261	Yes		
FY 2001	MaTech Salisbury, MD	Option	ARDEC	Apr 01	Sep 01	4	260	Yes		
AT S&A Assembly										
FY 2000	Action Mfg Philadelphia PA	Option	OSC	May 00	Apr 01	29	35	Yes		
FY 2001	TBS	C/FP	OSC	Aug 01	Nov 01	24	35	Yes		

REMARKS:

	FY 01 / 02 BUDGET P	ROD	UCTION	SCI	HEDUL	E			Item N IE AT				)) (E?	72195	5)								]	Date:			June	2001				
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L	COST ELEMENTS	M F R	FΥ	S E R V	QTY x1000	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
LA	P (M87A1)									$\dashv$			┪	$\dashv$	$\dashv$	$\dashv$																
		1	FY 99	A	3	0	3						┪		$\neg$	$\neg$			1	2												(
			FY 00	A	4	0	4														2	2										(
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M			PR	ODUCT	ION RATES			М	FR				┪		ADM						MFR		_	ГОТА			EMAR					
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R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				3			12			13			25								
1	Day&Zimmerman (LSAAP), Texarkana, TX		1.00		4.00	11.00	0		1	REO	RDER				3			8			16			24								
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	FY 03 / 04 BUDGET 1	PROE	OUCTION	SCF	IEDUL	E					nclatur (VOL		D) (E'	72195	5)								I	Date:			Jun	e 2001	l			
												Fis	cal Y	ear 0	3									F	iscal	Year	04					
				S	PROC	ACCEP PRIOR	BAL			_		_	_		Cale	endar	· Yea	r 03							_		_	Year (	)4			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
LAP	P (M87A1)									$\dashv$			┪		$\dashv$	$\dashv$													H	H		
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		1	FY 00	A	4	4	0																									0
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M			PR	ODUCT.	ION RATES			M	FR						ADM	IINLE	AD T	IME			MFR		7	ТОТА	L	R	EMAF	RKS				
F							REACHED	Nur	nber					Pric	or 1 O	ct	A	fter 1 (	ct	Af	ter 1 C	Oct	A	fter 1 (	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				3			12			13			25		]						
1 1	Day&Zimmerman (LSAAP), Texarkana, TX		1.00		4.00	11.00	0		1	REO	RDER				3			8			16			24								
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Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom WII		UNITIONS (E7	8100)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	250	33	70	57								
Gross Cost	39.3	9.5	15.2	19.1	2.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	39.3	9.5	15.2	19.1	2.0							
Initial Spares												
Total Proc Cost	39.3	9.5	15.2	19.1	2.0							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M93 Wide Area Munition is a first generation smart munition. It weighs 35 pounds and can be transported by a single soldier. It has the capability to recognize armor and heavy truck targets and to autonomously aim and launch its submunition to an effective radius of 100 meters. The M93 is designated for command control of the Arm/Destruct functions. The Product Improvement Program (PIP) version adds on-off-on, redeployability and performance enhancements. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

## Justification:

The M93 Wide Area Munition supports high mobility/ offensive operations. Its design for flexible/rapid deployment combined with cost effective logistics and a self covering minefield capability provides increased performance and lethality over current mines in inventory. The FY 2002 funds engineering in support of production.

WAM (Basic) Type Classification Date: June 1996 - Low Rate Initial Production (LRIP)

WAM (PIP) Type Classification Date: June 2002 - LRIP

WAM (PIP) Type Classification Date: December 2003 - Standard

Acquisition Manager: Project Manager, Mines Countermine and Demolitions (PM-MCD)

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature EA MUNITIONS (E7			Weapon System	Туре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Hardware		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
LAP Wide Area Munition - Basic		11310	70	162	5000	22	227						
LAP Wide Area Munition - PIP		52			7029	35	201						
Miscellaneous		53			70								
Subtotal		11363			12099								
<b>Production Support</b>													
Production Engineering		842			1259			775					
Quality Assurance OGA Support		206 111			500 150			250					
OGA Support													
Subtotal		1159			1909			1025					
Non-Recurring Costs													
Producibility/Tooling		1610			2200			700					
Engineering Changes Production Verification Test		569			500 2100								
Contractor Engineering Support		490			300			300					
Subtotal		2669			5100			1000					
Total		15191			19108			2025					

Exhibit P-5a, Budget Procuremen	t History and Planning							Date: J	une 2001	
appropriation/Budget Activity/Serial No: rocurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			em Nomeno MUNITIONS (E				
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP I Dat
LAP Wide Area Munition - Basic										
FY 2000	Textron Defense Systems Wilmington, MA	Mod/FP	ARDEC	Jul 00	Nov 01	70	162	Yes		
FY 2001	Textron Defense Systems Wilmington, MA	SS/FP	ARDEC	Apr 01	Jan 02	22	227	Yes		
LAP Wide Area Munition - PIP	<b>G</b> ,									
FY 2001	Textron Defense Systems Wilmington, MA	SS/FP	ARDEC	Aug 02	Dec 03	35	201	Yes		
EMARKS:										

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	I <b>EDU</b> L	E			Item N E ARI				S (E78	8100)	)									Date:	:		Ju	ne 20	001				
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				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 01								Cale	ndar	Year	r 02			_	L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	I J U	<b>j</b> J	J U L	A U G	S E P	T E R
LA	AP Wide Area Munition - Basic																							+	+	╁	+	+	+	$^{+}$	+	┪	
		1	FY 99	A	284	90	194			20						20	20	20	30	52	32	2											0
		1	FY 00	A	70	0	70														35	5 35											0
		1	FY 01	A	22	0	22							A									22	2									0
LA	AP Wide Area Munition - PIP																																
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F							REACHED	Nur	nber					Pri	ior 1 O	)ct	Ai	fter 1 C	ct	At	fter 1	Oct	A	After 1	Oct	┛							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT	ΊAL				3			9			15			24		4							
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	FY 03 / 04 BUDGET PI	ROD	UCTION	SCH	(EDUL)	E			Item N DE ARI				S (E7	8100)	)									Date:			Jui	ne 200	01			
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				S	PROC	ACCEP	BAL						_		Cal	endar	· Yea	r 03						_		Cale	ndar	Year	04		_	L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U I	A U G	S E P	T E R
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		1	FY 00	A	70	70	0																						Т			C
		1	FY 01	A	22	22	0																									C
LA	AP Wide Area Munition - PIP																															
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M			PR	ODUCTI	ON RATES			М	FR						ADM	ИINLE	EAD T	IME			MFR			TOTA	<b>L</b>	I	REMA	RKS				
F							REACHED	Nur	mber					Pri	ior 1 O	)ct	A	fter 1 (	Oct	At	fter 1 (	Oct	A	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT	IAL				3			9			15			24								
1	Textron Defense Systems, Wilmington, MA		5.00		100.00	200.00	0		1	REO	RDER				3			3			12			15								
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	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
LA	AP Wide Area Munition - Basic									$\dashv$																		+	H	$\vdash$		
		1	FY 99	A	284	284	0																									0
		1	FY 00	A	70	70	0																									0
		1	FY 01	A	22	22	0																									0
LA	AP Wide Area Munition - PIP																															
		1	FY 01	A	35	35	0																									0
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M			PR	ODUCTI	ON RATES			Ml	FR						ADN	ЛINLЕ	EAD T	IME			MFR			TOTA	L	R	EMA	RKS				
F							REACHED	Nun	nber					Pri	ior 1 O	)ct	A:	fter 1 (	Oct	At	fter 1	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				3			9			15			24								
1	Textron Defense Systems, Wilmington, MA		5.00		100.00	200.00	0	1	1	REO	RDER				3			3			12			15		1						
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Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	Б	ate:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom BUI		ATING MUNI	ΓΙΟΝ (BDM) (	(E88400)		
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	5412	1076	1104	598								
Gross Cost	39.3	9.9	9.8	5.9								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	39.3	9.9	9.8	5.9								
Initial Spares												
Total Proc Cost	39.3	9.9	9.8	5.9								
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes Bunker Defeating Munitions, All Types.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMUI	NITION	P-1 Line I BUNKER I	tem Nomenclature DEFEATING MUNIT	е: ГІОN (BDM) (E884	00)	Weapon System	Туре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Bunker Defeating Munitions (TACTICAL)		9808	1104	8.88	5945	598	8.07						
Total		9808			5945								

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	:	Date:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom BUI		EATING MUNIT	ΓΙΟΝ (TACTI	CAL) (E8840)	1)	
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	5412	1076	1104	598								
Gross Cost	39.3	9.9	9.8	5.9								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	39.3	9.9	9.8	5.9								
Initial Spares												
Total Proc Cost	39.3	9.9	9.8	5.9								
Flyaway U/C												
Wpn Sys Proc U/C		8.1	9.8	9.9								

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Bunker Defeat Munition Shoulder-Launched Multi-purpose Assault Weapon - Disposable (SMAW-D) is a stand-alone, single shot disposable munition which is used to defeat earth and timber field fortifications (bunkers). It also defeats light armored vehicles and breaches masonary walls. The need for the BDM SMAW-D was identified during operations. Urgent Fury, Just Cause and Desert Shield/Storm. Other systems available (M136, AT4 and the M72 LAW) are ineffective against bunkers. The BDM is light weight (15.7 lbs.), man-portable and air deployable. The BDM will be used by contingency forces. The item is Code A, approved for service use.

### **Justification:**

Procurement supports contingency forces only.

Type Classified (TC) Generic August 1993 & TC Limited Procurement September 1994

Acquisition Manager: TACOM-ARDEC, Picatinny, NJ

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMUl	NITION		tem Nomenclature DEFEATING MUNIT		(E88401)	Weapon System	Type:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AMMUNITION HARDWARE	70	0100	1104	-	4615	500	0						
Complete Round	В	8190	1104	7	4617	598 26	8						
Field Handling System	В	219	48	4	119	26	4						
SubTotal AMMO Hardware		8409			4736								
Production Support Costs													
Production Engineering		795			685								
Quality Assurance		121			131								
Acceptance Testing		448			358								
Interim Transportation		35			35								
SubTotal Prod. Support		1399			1209								
Total		9808		10	5945		10						
1 otai		2000		10	3743		10						

Exhibit P-5a, Budget Procurement l	History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			em Nomenc FEATING MUN	lature:	(E88401)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Complete Round										
FY 1999	Talley Mesa, AZ	Option	TACOMARDEC	Sep 01	Dec 00	1076	8			
FY 2000	Talley Mesa, AZ	Option	TACOM-ARDEC	Sep 00	Mar 02	1104	7			
FY 2001	Talley Mesa, AZ	FFP	TACOM-ARDEC	Apr 01	Jul 02	598	8			
Field Handling System										
FY 1999	Talley Mesa, AZ	Option	TACOM-ARDEC	Sep 99	Dec 01	47	5			
FY 2000	Talley Mesa, AZ	Option	TACOM-ARDEC	Sep 00	Mar 02	48	4			
FY 2001	Talley Mesa, AZ	FFP	TACOM-ARDEC	Apr 01	Jul 02	26	4			
REMARKS:			1							

Г	FY 99 / 00 BUDGET PF	ROD	UCTION	SCH	IEDUL	E			Item N NKER				IUNIT	ΓΙΟΝ	(TAC	CTIC/	<b>A</b> L) (1	E8840	01)					Date:			June	2001				
													scal Y						Ź					F	iscal	Year	00					
				S	PROC	ACCEP	BAL.				<u> </u>				Cale	endar	Yea	r 99								Calen	dar Y	'ear 0	0			L A
	COST ELEMENTS	M F R	FY	S E R V	PROC QTY Each	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round																															
		1	FY 99	A	1076	0	1076																									1076
		1	FY 00	A	1104	0	1104																									1104
L		1	FY 01	A	598	0	598																									598
L									Ш				_																			
									Ш		Ш		_																			
L									Ш		Ш		_																			
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To	otal				2778		2778				Ш		_																			2778
								O C T	N O V	D E C	J A N	F E B		A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	4INLE	AD T	IME			MFR			TOTA	L	RI	MAR	KS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	Oct	A	fter 1 (	Oct	A	fter 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT					6			9			12			21								
1	Talley, Mesa, AZ		750.00		1500.00	3500.00	0	_	1		RDER		_		6			9			12			21		4						
2	Talley, Mesa, AZ		750.00		1500.00	3500.00	0	1	2	INIT			_		6			7		_	34			41		4						
											RDER		_		6			5			34			39		4						
										INIT			-													4						
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$\vdash$										REO	RDER		$\dashv$													1						
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										KEU	KDEK																					

	FY 01 / 02 BUDGET P	ROD	UCTION	SCH	[EDUL]	E			Item N NKER I				UNIT	ΓΙΟΝ	(TAC	CTIC <i>A</i>	AL) (1	E8840	01)					Date:			Jun	e 200	1			
												Fis	scal Y	'ear (	)1									I	iscal	Year	· 02					
ı				S	PROC	ACCEP	BAL			_			_	_	Cale	endar	Yea	r 01						_	_	Cale	ndar	Year (	)2			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round												_			$\dashv$									$\vdash$			+	H			
		1	FY 99	A	1076	0	1076															1076										0
		1	FY 00	A	1104	0	1104																		1104	4						0
		1	FY 01	A	598	0	598																						598	3		0
То	otal				2778		2778															1076			1104	4			59	3		
								O C T	0	D E C		Е	Α	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	Α		J U L		S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	ct	A	fter 1 (	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			9			12			21		1						
1	Talley, Mesa, AZ		750.00		1500.00	3500.00	0		1	REO	RDER				6			9			12			21		_						
2	Talley, Mesa, AZ		750.00		1500.00	3500.00	0	:	2	INIT					6			7			34			41		1						
Ш											RDER		_		6			5			34			39		4						
$\vdash$									-	INIT		_	_													4						
$\vdash$											RDER	_	_													4						
$\vdash$									-	INIT		_	_													4						
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									-	INIT		$\dashv$	$\dashv$			-										-						
										REO	RDER																					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom RO		RA 70, ALL TY	PES (E37300)	)		
Program Elements for Cod	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	935.0	122.5	143.6	155.3	136.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	935.0	122.5	143.6	155.3	136.7							
Initial Spares												
Total Proc Cost	935.0	122.5	143.6	155.3	136.7							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget lines procures all types Hydra 70 rockets in support of training and war reserve requirements. Further, the system provides combat overmatch capability and ensuring a near-term warfighting readiness posture. This system of aerial rockets is used by Army aircraft (AH-64 Apache, OH-58D Kiowa Warrior, and AH-1 Cobra helicopters) to perform a number of roles including anti-materiel, anti-personnel, and air-to-ground suppression.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature HYDRA 70, ALL TY			Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
ROCKET HYDRA 70 MPSM HE M261 ROCKET 2.75 HE M151 WHD/M423 PD FUZE ROCKET HYDRA 70 ILLUM M257 ROCKET HYDRA 70 MPSM PRAC M267 ROCKET HYDRA 70 HE/PD M151/M423 ROCKET HYDRA 70 SIG PRAC M274		510 850 299 36540 34087 71338	11 36 47 119	77 1015 725 599	5800 1450 31178 28390 88512	29	1075 1183 598	31423 25435 79796	31 31 132	820			
Total		143624			155330			136654					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		TION				P-1 Item Non RO		A 70 MPSM H	E M261 (E373	327)		
Program Elements for Cod	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	96											
Gross Cost	98.0		0.5	5.8								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	98.0		0.5	5.8								
Initial Spares												
Total Proc Cost	98.0		0.5	5.8								
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This system of aerial rockets is used by Army aircraft (AH-64 Apache, OH-58D Kiowa Warrior, and AH-1 Cobra helicopters) to perform a number of roles including anti-materiel, anti-personnel, and air-to-ground suppression. The M261 HE Multi-Pupose Sub-Munition (MPSM) warhead provides improved lethality and effectiveness against area targets such as light armor, wheeled vehicles, materiel, and personnel. It has a plastic nose cone assembly, an aluminum warhead case, an integral fuze, an expulsion charge, and nine M73 sub-munitions. The primary warhead fuze (M439) is remotely set to provide range (time of flight) from 500 meters to approximately 7,000 meters.

#### **Justification:**

Program provides for upgrade of approximately 23,000 tactical rockets by incorporating the lastest configuration MK66 MOD4 motor. The FY 2000 program upgrades approximately 10K tactical rounds by exchanging existing motors with newer motors from training rocket inventory. The FY 2001 program procures additional MK66 MOD4 motors to upgrade approximately 13K tactical rounds that are unserviceable due to various motor defects or are restricted pending motor screening. The MOD 4 motor is an improved MK66 rocket motor design that is common to all United States Armed Services. This motor meets Army, Navy, and Air Force explosive safety requirements for the Hazards of Electromagnetic Energy to Ordnance (HERO) and Electostatic Discarge (ESD). MOD 4 motor improvements allow the HYDRA 70 rocket to be safely "tube loaded" into launchers on aircraft with turning rotors in all operational environments.

**TYPE CLASSIFICATION DATE: 1982** 

ACQUISITION MANAGER: PM, Aviation Rockets and Missiles, Rock Island, IL.

Exh	ibit P-40	, Budge	et Item J	lustifica	tion Sho	eet	I	Date:	J	Tune 2001		
Appropriation/Budget Act Procurement of Ammunition, 2		TION				P-1 Item Nom RO		RA 70 MPSM P	RAC M267 (E	37334)		
Program Elements for Cod	le B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	250	38	36	29	31							
Gross Cost	172.8	38.1	36.5	31.2	31.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	172.8	38.1	36.5	31.2	31.4							
Initial Spares												
Total Proc Cost	172.8	38.1	36.5	31.2	31.4							
Flyaway U/C												
Wpn Sys Proc U/C		1002.02632	1015.00000	1075.10345	1013.64516							

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This system of aerial rockets is used by Army aircraft (AH-64 Apache, OH-58D Kiowa Warrior, and AH-1 Cobra helicopters) to perform a number of roles including anti-materiel, anti-personnel, and air-to-ground suppression. The M267 Multi-purpose Submunition (MPSM) practice round is identical in operation to the M261 tactical warhead except that it has three M75 practice submunitions, with a flash powder smoke signature, that takes the place of the nine M73 submunitions. Six inert submunitions are used to complete the weight and balance requirements. The M267 uses the M439 remote fuze, is mated to the MK66 Mod 4 rocket motor with electromagnetic radiation protection, and is required to train with the fire control and rocket management systems on attack helicopters.

### Justification:

This is a training unique item; not used in combat. The FY 2002 procurement supports annual peacetime training and build a depot level in accordance with the Army's procurement goals. The M267 MPSM Practice round is safer to use, is cheaper, and has less of an environmental impact than high explosive rockets. At the same time, it allows objective scoring during peacetime training with rockets compatible with the new sterile, instrumented training ranges equipped with advanced sensors.

**TYPE CLASSIFICATION DATE: 1982** 

ACQUISITION MANAGER: PM, Aviation Rockets and Missiles, Rock Island, IL.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature IYDRA 70 MPSM P		)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
AND AND THE COLUMN AN		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		33160	36	921	27447	29	946	29091	31	938			
SubTotal AMMO Hardware		33160			27447			29091					
<b>Production Support Costs</b> Production Engineering		1321			1639			1927					
SubTotal Prod. Support		1321			1639			1927					
COST - Nonrecurring Materiel Change		2059			2092			405					
SubTotal COST - Nonrecurring		2059			2092			405					
Total		36540		1015	31178		1075	31423		1014			

Exhibit P-5a, Budget Proc	urement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUN	NITION	Weapon Syst	ет Туре:			em Nomeno DRA 70 MPSM	elature: PRAC M267 (E37334	<b>1</b> )		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Complete Round										
FY 2000	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Feb-00	Aug-01	36	921	Y		Oct-98
FY 2001	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Dec-00	Sep-02	29	946	Y		Oct-98
FY 2002	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Apr-02	Feb-04	31	938	Y		Oct-98

REMARKS: Competitively awarded five year (FY99-FY03) fixed price requirements contract to General Dynamics Ordnance Systems in June 1999 (FY99-FY03 basic year FY99 with four year option in FY00-FY03). Contract is executed by placing delivery orders against separate contract line items for individual models of all up rockets, motors, and warheads. Contract established fixed prices for each contract line item number (CLIN) by pricing period and production quantity ranges.

	FY 00 / 01 BUDGET PR	OD	UCTION	SCH	[EDUL]	E			Item N CKET I				SM PF	RAC I	M267	(E37	334)							Date	:		J	une 2	2001				
												Fis	scal Y	'ear (	)0									]	Fiscal	l Ye	ar 01						
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 00					┖			Cal	lenda	r Ye	ar 01				L A
		M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	: A	A I P ; R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round									$\dashv$			$\dashv$			$\dashv$								+	+	+	+	+	$\dashv$				
		1	FY 00 P	A	74	0	74													9	15	5 5	;	3	4	2					4	4	28
		1	FY 01	A	29	0	29																										29
		1	FY 02	A	31	0	31																										31
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									П																	Т							
To	otal				134		134													9	15	5 5	;	3	4	2					4	4	88
								O C T	N O V	D E C		Е	Α	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	Е	Α	]	Ρ.		J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOT	AL	Τ	REM	ARK	.S				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	)ct	Af	fter 1	Oct	A	After 1	Oct	┛							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			7			22			29		4							
1	General Dynamics, Burlington, VT		2.00		15.00	46.00	0		1	REO	RDER				6			7			22			29		4							
2	TBD, NA		2.00		15.00	46.00	0	1	2	INIT			_		6			7			22		_	29		4							
L											RDER				6			7			22		_	29		4							
_									Ļ	INIT		_	_										_			4							
<u> </u>											RDER	_	_										_			4							
$\vdash$									ŀ	INIT		_	_										┡			4							
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										REO.	RDER																						

	FY 02 / 03 BUDGET PRO	OD	UCTION	SCH	[EDUL]	E			tem N KET I				SM PF	RAC I	M267	(E37	334)							Date:	:		Ji	ıne 2	2001				
												Fis	scal Y	'ear (	)2									]	Fiscal	l Yea	ır 03						
				S	PROC	ACCEP	BAL			_			_	_	Cale	endar	Yea	r 02						_	_	Cal	enda	r Ye	ar 03	3	_		L A
		M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	l I	A A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round									$\dashv$						$\dashv$									+	╁	+	+	+	$\dashv$			
		1	FY 00 P	A	74	46	28	4	4	4	4	4	4	4																			0
		1	FY 01	A	29	0	29												4	4	4	4		1 .	4	4	1						0
		1	FY 02	A	31	0	31																										31
										_																							
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										_																┸		_	_				
										_			_													┸	_	4	4				
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2	TBD, NA		2.00		15.00	46.00	0	2	2	INIT		_	_		6			7			22			29		4							
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M			PRO	DDUCTI	ON RATES			M	FR						ADM	11NLE	AD T	IME			MFR			TOTA	<b>L</b>	R	EMA	RKS				
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R	NAME/LOCATION		MIN.	1	1-8-5	MAX.	D+		1	INIT					6			7			22			29		1						
1	General Dynamics, Burlington, VT		2.00		15.00	46.00	0				RDER		_		6			7			22			29		4						
2	TBD, NA	4	2.00		15.00	46.00	0		2	INIT		_	_		6			7			22			29		1						
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Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Date:	J	Tune 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Non RO		RA 70 HE/PD M	[151/M423 (E3	37335)		
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	211	16	47	24	31							
Gross Cost	61.3	12.1	34.1	28.4	25.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	61.3	12.1	34.1	28.4	25.4							
Initial Spares												
Total Proc Cost	61.3	12.1	34.1	28.4	25.4							
Flyaway U/C												
Wpn Sys Proc U/C		753.56250	725.25532	1182.91667	820.48387							

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This system of aerial rockets is used by Army aircraft (AH-64 Apache, OH-58D Kiowa Warrior, and AH-1 Cobra helicopters) to perform a number of roles including anti-materiel, anti-personnel, and air-to-ground suppression. The M151 HEPD is a unitary fragmenting 10 lb anti-personnel warhead with the M423 Point Detonating Fuze. The warhead consists of two main parts, the nose and the base, which are fabricated using nodular pearlitic malleable or ferritic malleable cast iron. The nose end of the warhead is threaded to receive the M423 fuze and is loaded with 2.3 lbs of composition B4 explosive. The base section is fabricated from steel or cast iron and is threaded for attachment to the MK66 rocket motor. Upon detonation, the warhead fragments into thousands of small, high velocity fragments.

#### Justification:

This is a war reserve item and is also used for Special Forces training. The FY 2002 procurement maintains war reserve inventory and supports annual peacetime training requirements in accordance with the Army's procurement goals. The FY 01 funding also procures approximately 16K MK66 MOD 4 rocket motors to upgrade unserviceable assets in the tactical inventory.

TYPE CLASSIFICATION DATE: 26 February 1982

ACQUISITION MANAGER: PM, Aviation Rockets and Missiles, Rock Island, IL.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature IYDRA 70 HE/PD M		)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round MK66 MOD4 Motor		30190	47	642	15010 6862	24 16	625 429	19525	31	630			
SubTotal AMMO Hardware		30190			21872			19525					
Production Support Costs Production Engineering		1757			1453			1549					
SubTotal Prod. Support		1757			1453			1549					
COST - Nonrecurring Materiel Change		2140			5065			4361					
SubTotal COST Nonrecurring		2140			5065			4361					
Total		34087		725	28390		1183	25435		820			

Exhibit P-5a, Budget Procure	ement History and Planning							Date: J	une 2001	
ppropriation/Budget Activity/Serial No: rocurement of Ammunition, Army / 1 / AMMUNITIO	ИС	Weapon Syste	ет Туре:		P-1 Line It		elature: M151/M423 (E37335)	)		
/BS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
Complete Round										
FY 2000	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Feb-00	Aug-01	47	642	Y		Oct-9
FY 2001	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Dec-00	Sep-02	24	625	Y		Oct-9
FY 2002	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Apr-02	Feb-04	31	630	Y		Oct-9
MK66 MOD4 Motor										
FY 2001	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Dec-00	Apr-01	16	429	Y		Oct-9

REMARKS: Competitively awarded five year (1999-2003) fixed price requirements contract to General Dynamics Ordnance Systems in June 1999 (FY99-FY03 basic year FY99 with four year option in FY00-FY03). Contract is executed by placing delivery orders against separate contract line items for individual models of all up rockets, motors, and warheads. Contract established fixed prices for each contract line item number (CLIN) by pricing period and production quantity ranges.

	FY 00 / 01 BUDGET PRO	OD	UCTION	SCH	[EDUL]	E			Item N CKET I				PD M	151/N	M423	(E37.	335)							Date:			Jun	e 200	l			
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				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 00							_	Caler	dar '	Year (	)1			L A
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Co	omplete Round									$\dashv$			$\dashv$			$\dashv$												$\vdash$	H			
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	ιL	R	EMAF	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	Oct	Ai	ter 1 (	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			7			22			29		1						
1	General Dynamics, Burlington, VT		2.00		15.00	46.00	0		1	REO	RDER				6			7			22			29		1						
2	TBD, NA		2.00		15.00	46.00	0	:	2	INIT			_		6			7			22			29		4						
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	FY 02 / 03 BUDGET PRO	DU	CTION	SCH	EDUL	E			tem N KET I				PD M	151/N	Л423 (	(E373	335)							Date:			Jun	e 200	l			
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ı				S	PROC	ACCEP	BAL			_		_	_		Cale	ndar	Year	r 02						_	_	Caler	ıdar `	Year (	)3			L A
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	1	FΥ	Y 02	A	31	0	31																									31
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To	otal				118	30	88	7	7	7	7	5							3	7	7	7										31
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R	NAME/LOCATION		MIN.	1	-8-5	MAX.	D+	1		INIT					6			7			22			29		1						
1	General Dynamics, Burlington, VT		2.00		15.00	46.00	0	,	ı.	REO	RDER				6			7			22			29		1						
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	FY 04 / 05 BUDGET PRO	D	UCTION	SCH	IEDUL:	E			Item N CKET I				PD M	[151/]	M423	(E37	335)							Date:			Jur	e 200	1			
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				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 04						_		Cale	ndar	Year	05	_		L A
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M			PRO	ODUCTI	ON RATES			M	IFR						ADN	ЛINLЕ	EAD T	IME			MFR			TOTA	ΛL	R	EMA	RKS				
F		Γ					REACHED	Nuı	mber					Pr	ior 1 O	oct	A	fter 1 (	Oct	A	fter 1	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT					6			7			22			29		]						
1	General Dynamics, Burlington, VT		2.00		15.00	46.00	0		1	REO	RDER				6			7			22			29		1						
2	TBD, NA	_	2.00		15.00	46.00	0		2	INIT					6			7			22			29		1						
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet		Date:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		TION				P-1 Item Non RO		ORA 70 SIG PRA	C M274 (E373	337)		
Program Elements for Cod	e B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 200	4 FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	1219	154	119	148	132							
Gross Cost	429.7	72.4	71.3	88.5	79.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	429.7	72.4	71.3	88.5	79.8							
Initial Spares												
Total Proc Cost	429.7	72.4	71.3	88.5	79.8							
Flyaway U/C												
Wpn Sys Proc U/C		469.84416	599.47899	598.05405	604.51515							

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This system of aerial rockets is used by Army aircraft (AH-64 Apache, OH-58D Kiowa Warrior, and AH-1 Cobra helicopters) to perform a number of roles including anti-materiel, anti-personnel, and air-to-ground suppression. The M274 warhead is a smoke/flash signature practice warhead used for pilot/gunner training missions and consists of a cast iron warhead modified with vent holes, an aluminum nose cap with firing pin, a M423 fuze safe and arming device, and a smoke/flash cartridge containing a mixture of potassium perchlorate and aluminum powder. The M274, with the MK66 Mod 4 rocket motor and electromagnetic radiation protection, can be fired by all aircraft. It is a key rocket due to its low cost, simple and reliable operation, day and night signature for scoring pilot proficiency, and non-hazardous dud feature which enables usage on new multipurpose range complexes. This item is Code A, approved for service use.

#### Justification:

This is a training unique item; not used in combat. Each pilot must fire live rockets to acquire and maintain attack helicopter gunnery skills. FY 2002 procurement supports all training schedules, initial qualification training for aviators, and builds a depot level in accordance with the Army's procurement goals. The M274 Signature Practice rocket is the preferred training munition at all ranges. The M274 Signature Practice rocket is safer to use, is cheaper, and has less of an environmental impact than high explosive rockets. At the same time, it allows peacetime training with rockets compatible with the new sterile, instrumented training ranges equipped with advanced sensors.

TYPE CLASSIFICATION DATE: 1986

ACQUISITION MANAGER: PM, Aviation Rockets and Missiles, Rock Island, IL.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature IYDRA 70 SIG PRA			Weapon System	Гуре:	Date: June 2	:001
АММО	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
AMMINITION HADDWADE		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		64591	119	543	80161	148	542	70989	132	538			
SubTotal AMMO Hardware		64591			80161			70989					
Production Support Costs Production Engineering		4196			6178			6135					
SubTotal Prod. Support		4196			6178			6135					
COST - Nonrecurring Materiel Change		2551			2173			2672					
SubTotal COST - Nonrecurring		2551			2173			2672					
Total		71338		599	88512		598	79796		605			

Exhibit P-5a, Budget Procu	urement History and Planning							Date: J	June 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUN	NITION	Weapon Syst	ет Туре:			em Nomenc DRA 70 SIG PRA	elature: AC M274 (E37337)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Complete Round										
FY 2000	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Feb-00	Aug-01	119	543	Y		Oct-98
FY 2001	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Dec-00	Sep-02	148	542	Y		Oct-98
FY 2002	General Dynamics Burlington, VT	SS/FP	OSC, Rock Island, IL	Apr-02	Feb-04	132	538	Y		Oct-98

REMARKS: Competitively awarded five year (1999-2003) fixed price requirements contract to General Dynamics Ordnance Systems in June 1999 (FY99-FY03 basic year FY99 with four year option in FY00-FY03). Contract is executed by placing delivery orders against separate contract line items for individual models of all up rockets, motors, and warheads. Contract established fixed prices for each contract line item number (CLIN) by pricing period and production quantity ranges.

	FY 00 / 01 BUDGET PR	OD	UCTION	SCH	[EDUL]	E			Item N CKET I				PRAG	С М2	274 (E	37337	7)							Date:	:		Jur	ie 200	1			
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				S	PROC	ACCEP	BAL				Щ				Cale	endar	· Yea	r 00							_	Cale	ndar	Year	01			L A
		M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round										Н					$\dashv$									+	╁	+	+	H	+	$\vdash$	
		1	FY 00 P	A	279	258	21													6	9	) 6										0
		1	FY 01	A	148	0	148																									148
		1	FY 02	A	132	0	132																									132
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Т	otal				559	258	301													6	9	) (	,									280
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR	Į.		TOTA	AL	R	REMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Ai	fter 1 C	)ct	A	fter 1	Oct	I	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			7			22			29								
1	General Dynamics, Burlington, VT		2.00		15.00	46.00	0		1	REO	RDER				6			7			22			29		4						
2	TBD, NA		2.00		15.00	46.00	0	:	2	INIT					6			7			22			29		4						
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	FY 02 / 03 BUDGET PRO	OD	UCTION	SCH	I <b>EDU</b> L	E			Item No CKET I				PRAG	С М2	274 (E	37337	7)							Date	:		J	une 2	2001				
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				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 02						_	_	Cal	lenda	r Ye	ar 03	;			L A
		M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	[ .	A I P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round									$\dashv$						$\dashv$								+	+	+	+	+	+	$\dashv$			
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		1	FY 01	A	148	0	148												15	15	15	5 15	1:	5 1	5 1	5	15	15	13				0
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M			PR	ODUCTI	ON RATES			М	FR						ADM	IINLE	AD T	ΊΜΕ			MFR	l.		TOT	AL	T	REM	ARK	S				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	A:	fter 1 (	Oct	A	fter 1	Oct	I	After 1	Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			7			22			29		1							
1	General Dynamics, Burlington, VT		2.00		15.00	46.00	0		1	REO	RDER				6			7			22			29		4							
2	TBD, NA		2.00		15.00	46.00	0		2	INIT			_		6			7		_	22			29		4							
_											RDER				6			7			22			29		4							
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										REO.	RDER																						

	FY 04 / 05 BUDGET PRO	)D	UCTION	SCH	I <b>EDU</b> L	E			Item N CKET I				PRA	С М2	274 (E	3733	7)							Date:			Jur	e 200	1			
												Fis	scal Y	ear (	04									F	iscal	Year	05					
				S	PROC	ACCEP	BAL				Щ				Cal	endar	· Yea	r 04							_	Cale	ndar	Year	05			L A
	COST ELEMENTS  R		FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round	┪									Н	$\dashv$													$\vdash$		$\vdash$	$\vdash$	H			
	1	1	FY 00 P	A	279	279	0																									0
	1	1	FY 01	A	148	148	0																									0
	1	1	FY 02	A	132	0	132					12	15	15	15	15	15	15	15	15	5											0
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To	otal				559	427	132					12	15	15	15	15	15	15	15	15	5											
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M			PR	ODUCTI	ON RATES			M	FR						ADN	ЛINLЕ	EAD T	IME			MFR	1		TOTA	ΛL	R	EMA	RKS				
F		ſ					REACHED	Nuı	nber					Pri	ior 1 O	)ct	A	fter 1 (	Oct	A	fter 1	Oct	A	After 1	Oct	_						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			7			22			29		1						
1	General Dynamics, Burlington, VT	_	2.00		15.00	46.00	0		1		RDER				6			7			22			29		4						
2	TBD, NA	4	2.00		15.00	46.00	0		2	INIT					6			7			22			29		1						
┕		4									RDER				6			7			22			29		4						
⊢		4								INIT																4						
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										KEO	RDER																					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Pate:	;	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Non DEI		MUNITIONS, A	LL TYPES (E	E55400)		
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	338.5	11.9	16.0	17.4	18.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	338.5	11.9	16.0	17.4	18.2							
Initial Spares												
Total Proc Cost	338.5	11.9	16.0	17.4	18.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes Demolition Munition All Types.

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/ Procurement		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature ON MUNITIONS, A		)	Weapon System	Гуре:	Date: June 2	001
	D	FY 00			FY 01			FY 02			FY 03	
Cost Elements	D TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Chg Demo Blk Comp C-4 1-1/4 lb M112	220	14	15.71				6225	419	14.86			
Selective LtWt Attack Munition (SOF)	6741	3	2247.00	2.6			644		214.67			
Cap Blasting Non-Elec M7 Cord Detonating Type 1	18			36 446	4180	0.11	5.1					
Fuze Blasting Time M700	50			316	1854	0.11	54 55					
Anti-Pers Obstacle Breaching System	580			6481	580	11.17	1969	66	29.83			
Charge Demo Shaped Clipped, M221	1625	168	9.67	1521	184	8.27	982	117	8.39			
Holder for Blasting Cap & Shock Tube M9												
Cap Blasting Non-Elec w/30 ft Shock Tube				721	110	6.56	996	226	4.41			
Cap Blasting Non-Elec w/500 ft Shock Tub				738	37	19.95	776	42	18.48			
Cap Blasting Non-Elec w/1000ft Shock Tub	603	19	31.74	682	25	27.28	1564	50	31.28			
Cap Blasting Non-Elec Delay, M14	824	101	8.16	984	125	7.87						
Igniter Ti me Fuze and Shock Tube, M81	496	160	3.10	627	194	3.23	632	195	3.24			
Cap Blasting Inert Non-Elec w/500ft Shk Cap Blasting Non-Elec 10ft Shock Tube M1	716	45	15.91	277	60	4.62	349 282	20 66	17.45 4.27			
Cap Blasting Non-Elec 20 min Delay, M18	1167	91	12.82	1533	146	10.50	1575	140	11.25			
Igniter Electric Match, M79	1107	71	12.02	120	20	6.00	53	140	11.23			
Fighting Position Excavator, M300	2000	1056	1.89	2961	1600	1.85						
Booster Demo Charge, M151	151	12	12.58				429	76	5.65			
Booster Demo Charge, M152	789	98	8.51				1583	228	6.94			
Total	15980			17443			18168					
							- ""					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	Ι	Oate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom CHO		K COMP C-4 1	-1/4 LB M112	(E50601)		
Program Elements for Code	e B Items:			Code:	Other Relate	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	7385		14		422							
Gross Cost	54.9	0.0	0.2		6.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	54.9	0.0	0.2		6.2							
Initial Spares												
Total Proc Cost	54.9	0.0	0.2		6.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The block demolition charge consists of 1-1/4 pounds of composition C4 plastic explosive packed in a mylar-film bag. Pressure sensitive adhesive tape is provided on one of the rectangular surfaces, allowing quick emplacement by the individual soldier on the object to be destroyed. The explosive may be cut and/or removed from its wrapper and hand molded into a desired shape suited to the target. Upon detonation, the shock wave destroys the target by cutting, breaching or cratering. This item is Code A, approved for service use.

### Justification:

Composition C4 is the primary demolition explosive used by the U.S. Army. This is a training standard item used in both training and combat. FY 2002 procurement supports annual peacetime training, demilitarization requirements, and builds a war reserve inventory in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE:

Prior to 1960

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclatur O BLK COMP C-4 1	e: -1/4 LB M112 (E506	501)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
Load, Assemble, and Pack Comp C-4 Class 3 (LB)								1872 4204	422 557	4.44 7.55			
SubTotal AMMO Hardware								6076					
Production Support Costs Production Engineering Quality Assurance Interim Transportation Industrial Stock Support		220						82 11 6 50					
SubTotal Prod. Support		220						149					
Total		220						6225		14.76			

Exhibit P-5a, Budget Procuren	nent History and Planning							Date: J	une 2001	
propriation/Budget Activity/Serial No: ocurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			em Nomenc BLK COMP C-4	lature: 1-1/4 LB M112 (E506	501)		
3S Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP I Dat
oad, Assemble, and Pack FY 2002 Comp C-4 Class 3 (LB)	American Ordnance (MAAP) Milan, TN	C/FP	OSC, Rock Island, IL	Mar 2002	Jan 2003	422	4.44	Y		
FY 2002	Rona (Holston AAP) Arlington, VA	C/FP	OSC, Rock Island, IL	Mar 2002	Oct 2002	557	7.55	Y		

	FY 01 / 02 BUDGET F	PROD	OUCTION	SCE	IEDUL:	E			Item N 3 DEM				C-4 1-	-1/4 I	.B M1	112 (E	E5060	)1)						Date:	:		Jı	ıne 2	2001				
												Fis	scal Y	'ear (	)1									]	Fiscal	Ye	ar 02						
				S	PROC	ACCEP	BAL								Cale	endar	Year	r 01								Cal	enda	r Ye	ar 02	:		_	L A
	COST ELEMENTS	M F R	FY	Ë R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A I I	A N P A R Y	A A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack												$\dashv$											+	+	╈		+	$\dashv$			$\dashv$	
		1	FY 02	A	422	0	422																										422
		1	FY 00	AF	146	0	146							74	52	20																	0
		1	FY 01	AF	163	0	163																2:	2 8	9 52	2							0
		1	FY 02	AF	33	0	33																										33
		1	FY 01	MC	2	0	2																- :	2									0
		1	FY 02	MC	7	0	7																					$\perp$					7
		1	FY 00	NS	13	0	13									13										L						_	0
		1	FY 02	NS	25	0	25																2:	5		L			_				0
		1	FY 00	SOF	25	0	25																2:	5		┸						_	0
			FY 00	ALL	159	0	159							74	52	33										┸						_	0
			FY 01	ALL	215	0	215																74	4 8	9 52	2						_	0
			FY 02	ALL	459	0	459																			L							459
																										L							
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То	tal				836		836							74	52	33							74	4 8	9 52	2							462
								O C T	N O V	D E C		Е	Α	A P R	Α	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	I	P /	4	J U N	J U L	U	S E P	
M			PR	ODUCT	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR	1		TOTA	<b>A</b> L		REM	ARK	.S				
F							REACHED	Nur	nber					Pri	or 1 O	ct	Af	ter 1 C	Oct	A	fter 1	Oct	A	After 1	Oct	_							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT	IAL				0			6			10			16									
1	American Ordnance (MAAP), Milan, TN		13.60		97.00	120.00	1		1	REO	RDER				0			6			10			16		_							
Ш										INIT			_													4							
Ш											RDER		_													4							
Ш										INIT			_													4							
Н											RDER		_													4							
Н										INIT		_	-													4							
Н											RDER		-													-							
Н										INIT			-													-							
										KEO.	RDER																						

	FY 03 / 04 BUDGET P	PROE	OUCTION	SCH	IEDUL	E			Item N 3 DEM				C-4 1	-1/4 I	LB M	112 (F	E5060	01)						Date:			Jun	e 2001	1			
												Fis	scal Y	ear (	)3									F	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 03								Caler	ıdar `	Year (	)4			L A
	COST ELEMENTS	M F R	FY	Ē R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack									$\dashv$		$\dashv$													$\vdash$		H	$\vdash$	H			
		1	FY 02	A	422	0	422				40	92	92	92	53	53																0
		1	FY 00	AF	146	146	0																									0
		1	FY 01	AF	163	163	0																									0
		1	FY 02	AF	33	0	33				33																					0
		1	FY 01	MC	2	2	0																									0
		1	FY 02	MC	7	0	7		Ш	_	7										$oxed{\Box}$								$\perp$			0
L		1	FY 00	NS	13	13			Ш	_											L					_			$oldsymbol{oldsymbol{oldsymbol{eta}}}$			0
		1	FY 02	NS	25	25	0		Ш	_																			L			0
		1	FY 00	SOF	25	25	0	_		_											L											0
			FY 00	ALL	159	159			Ш	_											L							_	L			0
_			FY 01	ALL	215	215		_	Ш	_										_	L	_			_	_			L			0
			FY 02	ALL	459	0	459		Ш		80	92	92	92	52	51																0
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То	tal				836	374	462	_	$\vdash$		80	92	92	92	53	53										-						
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	Α	P	M A Y	J U N	J U L		S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	4INLE	AD T	IME			MFR	1		TOTA	<b>A</b> L	R	EMAI	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	A	fter 1 (	Oct	Α	fter 1	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT	IAL				0			6			10			16								
1	American Ordnance (MAAP), Milan, TN		13.60		97.00	120.00	1				RDER				0			6			10			16		4						
Ш										INIT																4						
Н											RDER															4						
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Н								_			RDER															1						
Н										INIT	IAL RDER															-						
Н										INIT																1						
Н											RDER	$\dashv$														1						
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom SEI		WT ATTACK I	MUNITION (S	SOF) (E52000	)	
Program Elements for Cod	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	9		3									
Gross Cost	8.8	0.9	6.7		0.6							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	8.8	0.9	6.7		0.6							
Initial Spares												
Total Proc Cost	8.8	0.9	6.7	·	0.6							·
Flyaway U/C												
Wpn Sys Proc U/C												

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The Selectable Lightweight Attack Munition (SLAM) is a multipurpose munition designed to be readily portable and hand-emplaced against lightly armored infantry vehicles, parked aircraft, wheeled or tracked support vehicles, and ammunition or fuel storage sites. The SLAM can be used either day or night during all weather conditions. The SLAM has four operation modes: mine, side attack, timed or command demolition. The SLAM has a self destruct feature if no target presents itself in the required time during mine or side attack modes.

### Justification:

The FY 2002 dollars will be used to fund engineering support.

Type Classification Date: June 1994 - Standard

Acquisition Manager: Project Manager, Mines Countermine and Demolitions (PM-MCD)

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclatur E LTWT ATTACK	e: MUNITION (SOF) (	E52000)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
W 1		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
Hardware		5521	3	1781									
Subtotal		5521											
<b>Production Support Costs</b>													
Production Engineering		400						224					
Quality Assurance		300						150					
Acceptance Testing Program Management		220 300						270					
Program Management		300						270					
Subtotal		1220						644					
Total		6741						644					

Exhibit P-5a, Budget Procuren	nent History and Planning							Date: Ji	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION	ſ	Weapon Syste	m Type:		P-1 Line It		lature: MUNITION (SOF) (I	E52000)		
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Hardware										
FY 2000	Alliant Techsystems Janesville, WI	Option	ARDEC	Sep 00	Dec 01	3	1781	Yes		
REMARKS:										
REMIARRS.										

	FY 01 / 02 BUDGET PRO	DDU	JCTION	SCH	I <b>EDU</b> L	E			Item N ECTIV				ACK N	MUN	ITION	N (SO	)F) (E	52000	0)				]	Date:			June	2001				
Г													scal Y											F	`iscal	Year	02					
				S	PROC	ACCEP	BAI.								Cale	endar	· Yea	r 01								Calen	dar Y	ear 0	2			L A
	COST ELEMENTS  M F R	7	FY	S E R V	QTY x1000	ACCEP PRIOR TO 1 OCT	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
На	ardware	+																														
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M			PRO	DDUCTI	ON RATES			М	FR						ADM	4INLE	EAD T	IME			MFR			ТОТА	L	RI	EMAR	KS				
F							REACHED	Nur	mber					Pri	ior 1 O	ct	Ai	fter 1 C	)ct	Ai	fter 1 (	Oct	A	fter 1 (	Oct	1						
R	NAME/LOCATION		MIN.	1	1-8-5	MAX.	D+		1	INIT					3			12			14			26		1						
1	Alliant Techsystems, Janesville, WI	_	1.00		10.00	25.00	0				RDER				3			10			11			21		4						
2	TBS	+	1.00		10.00	25.00	0	:	2	INIT					3			10			11		_	21		1						
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	FY 03 / 04 BUDGET P	ROD	UCTION	SCE	IEDUL	E			Item N ECTIV				ACK N	MUNI	ITION	l (SO	F) (E	52000	))					Date:			Jun	e 200	1			
												Fis	scal Y	ear (	)3									I	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 03							_	Caler	ıdar `	Year (	)4			L A
L	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
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M			PR	ODUCT	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	EMAI	RKS				
F							REACHED	Nur	nber					Pri	or 1 Oc	ct	Af	fter 1 C	Oct	At	fter 1 (	Oct	Α	After 1		_						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					3			12			14			26		4						
1	Alliant Techsystems, Janesville, WI		1.00		10.00	25.00	0				RDER		_		3			10			11			21		4						
2	TBS		1.00		10.00	25.00	0	2	2	INIT		_	$\dashv$		3			10 5			11 6			21 11		-						
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Exh	ibit P-40	, Budge	t Item J	ustifica	tion She	eet	I	Date:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Nom AN		STACLE BREA	ACHING SYST	ГЕМ (Е72800	)	
Program Elements for Cod	e B Items:			Code:	Other Relate	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty				580	66							
Gross Cost			0.6	6.5	2.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			0.6	6.5	2.0							
Initial Spares												
Total Proc Cost			0.6	6.5	2.0							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Anti-Personnel Obstacle Breaching System (APOBS) consists of a line charge/fuze assembly and a rocket motor assembly. This item is a lightweight self-contained, one-shot expendable system which is transported and deployed by a two-man team. APOBS uses the EX126 Mod 0 rocket motor to propel a line charge over the obstacle. It is employed in combat operations to breach a lane through wire and anti-personnel mine obstacles. This system supports the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).

### Justification:

The APOBS will replace the Bangalore Torpedo for breaching complex wire and anti-personnel landmine obstacles.

Type Classification Date: December 2000 - LRIP Type Classification Date: June 2001 - Standard

Acquisition Manager: Project Manager, Mines Countermine and Demolitions (PM-MCD)

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ f Ammunition	ity/Serial No. , Army / 1 / AMMU	INITION		tem Nomenclature S OBSTACLE BREA		E72800)	Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Hardware		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. APOBS System					3231	350	9						
2. APOBS Training Aid					2221	230	10	783 64	66 1	12 64			
3. Initial Spares								64	1	64			
Subtotal					5452			847					
Production Support													
Production Engineering		347			354			241					
Quality Assurance Lot Acceptance Testing		58			102 190			112 59					
Program Management		130			137			141					
Training & Maintenance		45			246			344					
ECO's								225					
Subtotal		580			1029			1122					
m		-0.0											
Total		580			6481			1969					

Exhibit P-5a, Budget Procure	ment History and Planning							Date: J	une 2001	
ppropriation/Budget Activity/Serial No: rocurement of Ammunition, Army / 1 / AMMUNITIO	N	Weapon Systo	ет Туре:		P-1 Line It ANTI-PERS O		lature: ACHING SYSTEM (	(E72800)		
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
1. APOBS System										
FY 2001	Ensign-Bickford Simsbury, CT	Option/FP	Quantico, VA	Mar 01	Nov 01	350	9	Yes		
2. APOBS Training Aid										
FY 2001	Ensign-Bickford Simsbury, CT	Option/FP	Quantico, VA	Mar 01	Nov 01	230	10	Yes		
FY 2002	Ensign-Bickford Simsbury, CT	Option/FP	Quantico, VA	Jan 02	Sep 02	66	12	Yes		
3. Initial Spares										
FY 2002	Ensign-Bickford Simsbury, CT	Option/FP	Quantico, VA	Jan 02	May 02	1	64	Yes		
EMARKS:										

	FY 01 / 02 BUDGET PRO	OD	UCTION	SCE	IEDUL:	E			Item N TI-PER				BRE <i>A</i>	<b>А</b> СНІ	NG S	YSTE	EM (I	E7280	0)					Date	e:			June	2001				
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ı				S	PROC	ACCEP	BAL								Cale	endai	· Yea	r 01					┸			C	alen	lar Y	ear 0	2			L A
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1.	APOBS System																						t	$\pm$	#								
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2.	APOBS Training Aid								$\vdash$		ш									_	⊢	+	╄	+	+	4							
L		2	FY 01	A	230	0	230		$\vdash$				Α								11:	5 11	5	+	+	$\dashv$							0
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3.	Initial Spares	1	FY 02	4	1	0	1	_	$\vdash$		$\vdash$						_				$\vdash$	+	┿	+	+	$\dashv$							
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F							REACHED	Nur	nber					Pr	ior 1 O	ct	A	fter 1 (	Oct	A	fter 1	Oct		After	1 Oct								on the
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				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 03								Ca	lenda	ır Ye	ear 04	1			L A
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1.	APOBS System																									#							
L		1	FY 01	A	350	350	0													L	L					4	_	_	_				0
2.	APOBS Training Aid																			L	L					4	_	_	_				
L			FY 01	A	230	230	0				Ш									_	L		┺	_		4	_	_	_				0
L		2	FY 02	A	53	53	0				Ш									_	_					4	_	_	_				0
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2	Ensign-Bickford, Simsbury, CT		20.00		50.00	150.00	0		2	INIT					4			4			8			12		1							
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Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Pate:	;	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Non GRI		LL TYPES (E34	l <del>0</del> 00)			
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	584.2	21.7	13.9	23.0	25.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	584.2	21.7	13.9	23.0	25.7							
Initial Spares												
Total Proc Cost	584.2	21.7	13.9	23.0	25.7							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes GRENADES, ALL TYPES

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature S, ALL TYPES (E34			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
Fuze Grenade Hand Prac M228 Grenade Hand Frag Delay M67 Grenade Hand Smoke Green M18 Grenade Hand Smoke Yellow M18 Grenade Hand Smoke Violet M18 Grenade Hand Smoke Tng M83 Grenade, Stun Grenade, Launcher, Smk Screen XM90		5820 1337 20 145 21 62 1739 4751	2042 15 67	79.20 70.91	4946 4146 1626 2730 5322 2336 1940	1908 161 62 102 236 26 27	2.59 25.79 26.34 26.71 22.55 89.85 71.85		1717 283 93 110 67 26 27	27.10 25.17 25.48 31.92 92.23			
Total		13895			23046			25710					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	une 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom FUZ		E HAND PRAC	C M228 (E319	00)		
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	78367	788	2042	1908	1717							
Gross Cost	76.1	1.9	5.8	4.9	5.1							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	76.1	1.9	5.8	4.9	5.1							
Initial Spares												
Total Proc Cost	76.1	1.9	5.8	4.9	5.1							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M228 Fuze is a pyrotechnic delay-igniting fuze used with the M69 delay practice hand grenade. It is used by the individual soldier for training purposes. This item is Code A, approved for service use.

### Justification:

This is a training unique item; not used in combat. FY 2002 procurement supports annual peacetime training and build a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1971

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	udget Activ	ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature NADE HAND PRAC			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round		5507	2042	2.70	4535	1908	2.38	4789	1717	2.79			
SubTotal AMMO Hardware		5507			4535			4789					
Production Support Costs Production Engineering Industrial Stock Support		231 82			345 66			267 40					
SubTotal Prod. Support		313			411			307					
Total		5820		2.85	4946		2.59	5096		2.97			

opropriation/Budget Activity/Serial No: ocurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syste	em Type:			em Nomenc de hand pra	elature: AC M228 (E31900)			
BS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Complete Round										
FY 2000	Martin Elec Perry, FL	C/FP	OSC, Rock Island, IL	Apr 2000	Aug 2001	2042	2.70			
FY 2001 FY 2002	TBS TBS	C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL	May 2001 Mar 2002	Dec 2001 Dec 2002	1908 1717	2.38 2.79	Y Y		

	FY 01 / 02 BUDGET PI	ROD	UCTION	SCH	<b>EDUL</b>	E			Item N E GRI				PRAC	C M22	28 (E.	31900	))							Date	e:			June	2001				
												Fi	scal Y	ear (	01										Fisc	al Y	ear (	)2					
				S	PROC	ACCEP	BAL				Щ.				Cal	endar	r Yea	r 01								C	alend	lar Y	ear 0	2			L A
L	COST ELEMENTS	M F R	FY	S E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	I E	N E A B I	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round										Н										H	+	+		+	+							
		1	FY 00	A	2.04	0.00	2.04											0.40	0.40	0.40	0.40	0 0.4	14										0
		2	FY 01	Α	1.91	0.00	1.91								Α							0.4	10 0.4	40 O.	40 O.	.40	0.31						0
		2	FY 02	A	1.71	0.00	1.71																										1.71
		1	FY 00 P	MC	0.77	0.00	0.77		0.40	0.37																							0
		1	FY 00	MC	0.42	0.00	0.42											0.15	0.15	0.12	2												0
		2	FY 01	MC	0.54	0.00	0.54																							0.15	0.15	0.15	0.09
																										_							
																										_							
																										_							
Тс	otal				7.39		7.39		0.40	0.37								0.55	0.55	0.52	2 0.40	0.8	34 0.4	40 O.	40 0.	.40	0.31			0.15	0.15	0.15	1.80
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	Е	Α	E	i A	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADN	ЛINLЕ	EAD T	IME			MFF	R		ТОТ	AL		RE	MAR	KS				
F							REACHED	Nur	nber					Pri	ior 1 C	oct	A	fter 1 (	Oct	A	fter 1	Oct		After	1 Oct								
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					6			6			9			1:	5								
1	Martin Elec, Perry, FL		.20		.40	1.00	0		1	REO	RDER				6			6			9			1:									
2	TBS	.20 .40 1.00								INIT					6			6			9		_	1:		Ц							
_									2		RDER				6			6			9			1:	5	Ц							
⊢										INIT										$\vdash$			_			4							
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											RDER																						

	FY 03 / 04 BUDGET PR	ROD	UCTION	SCH	EDUL	E			Item N E GRI				PRAC	C M22	28 (E3	31900	))							Date:			Jur	e 200	1			
												Fi	scal Y	ear (	)3									I	iscal	Year	· 04					
				S	PROC	ACCEP	BAL				Ь,		_		Cale	endar	Yea	r 03						_		Cale	ndar	Year	04	_		L A
L	COST ELEMENTS	M F R	FY	S E R V	QTY x1Mil	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	omplete Round																												H			
		1	FY 00	A	2.04	2.04	0.00		П																							0
		2	FY 01	A	1.91	1.91	0.00																									0
		2	FY 02	A	1.71	0.00	1.71			0.40	0.40	0.40	0.51																			0
		1	FY 00 P	MC	0.77	0.77	0.00																									0
		1	FY 00	MC	0.42	0.42	0.00																									0
		2	FY 01	MC	0.54	0.45	0.09	0.09																								0
																													L			
													_																L			
To	otal				7.39	5.59	1.80	0.09		0.40	0.40	0.40	0.51																			
								O C T	N O V	D E C	J A N	F E B	M A R	A P R			J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	Α		J U L		Е	
M			PR	ODUCTI	ON RATES			M	FR						ADM	/INLE	AD T	IME			MFR			TOTA	L	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	oct	A	fter 1 (	Oct	At	fter 1 (	Oct	Α	After 1		4						
R	NAME/LOCATION		MIN.	1	-8-5	MAX.	D+		1	INIT			_		6			6			9			15		1						
1	Martin Elec, Perry, FL		.20		.40	1.00	0				RDER				6			6			9			15		4						
2	TBS		.20		.40	1.00	0	1	2	INIT			_		6			6			9			15		4						
_											RDER				6			6			9			15		4						
⊢									ŀ	INIT			_													4						
$\vdash$											RDER															-						
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Ex	hibit P-40	, Budge	t Item J	ustifica	tion Sho	eet		Date:	J	June 2001		
Appropriation/Budget Ac Procurement of Ammunition		ION				P-1 Item Nom GRI		AND FRAG DEL	AY M67 (E32)	000)		
Program Elements for Co	ode B Items:			Code:	Other Relat	ed Program Ele	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	4 FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	62462			161	283							
Gross Cost	132.6		1.3	4.1	7.7							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	132.6		1.3	4.1	7.7							
Initial Spares												
Total Proc Cost	132.6		1.3	4.1	7.7							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The grenade body is a 2.5 inch diameter steel sphere which is designed to burst into numerous fragments when detonated. The grenade body contains 6.5 ounces of high explosive, composition B. Each grenade is fitted with an M213 fuze that initiates the explosive charge 4 to 5 seconds after release of safety lever.

#### Justification:

The FY 2002 procurement supports annual peacetime training and builds a depot level in accordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE: 1971

ACQUISITION MANAGER: OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature HAND FRAG DEL			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
AND WATERON WARDS AND TO SEE THE SECOND SECO		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack					1464	161	9.11	2623	283	9.26			
Body Gren Mpts					1686	162	10.38	3281	286	11.47			
*Comp B Type I Grade A (LB)					170	72	2.35	299	127				
Fz Gren M213					843	163	5.17	1486	288	5.17			
SubTotal AMMO Hardware					4163			7689					
<b>Production Support Costs</b>													
Production Engineering		1337			65			215					
Interim Transportation					27			7					
Industrial Stock Support					61			64					
<b>SubTotal Production Support</b>		1337			153			286					
Nonrecurring													
Government Furnished Material					-170			-299					
Subtotal													
Total		1337			4146		25.79	7676		27.10			

Exhibit P-5a, Budget Procure	ement History and Planning							Date:	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITIO	NO	Weapon Syste	ет Туре:		P-1 Line It		clature: LAY M67 (E32000)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
Load, Assemble, and Pack										
FY 2001 FY 2002	TBS TBS	C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL	Aug 2001 Mar 2002	Mar 2002 Mar 2003	161 283	9.11 9.26	Y Y		
Body Gren Mpts FY 2001	TBS	C/FP	OSC, Rock Island, IL	Aug 2001		162	10.38	Y		
FY 2002 *Comp B Type I Grade A (LB)	TBS	C/FP	OSC, Rock Island, IL	May 2002	N/A	286	11.47	Y		
FY 2001 FY 2002 Fz Gren M213	Stock Issue Stock Issue	N/A N/A	N/A N/A	N/A N/A	N/A N/A	72 127				
FY 2001 FY 2002	TBS TBS	C/FP C/FP	OSC, Rock Island, IL OSC, Rock Island, IL	Aug 2001 May 2002		163 288	5.17 5.17	Y Y		

REMARKS: TBS - To Be Selected
\*Government Furnished Material

	FY 01 / 02 BUDGET	PROL	OUCTION	SCH	IEDUL:	E			Item N ENADI				DELA	AY M	167 (E	E3200	0)							Date:			Jun	e 2001	l			
												Fis	scal Y	ear (	01									F	iscal	Year	02					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 01								Calen	dar Y	ear (	2			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	ad, Assemble, and Pack												$\dashv$											$\vdash$	H							
		1	FY 01	A	161	0	161											Α							161							0
		1	FY 02	A	283	0	283																									283
		1	FY 01	MC	204	0	204																									204
		1	FY 02	MC	78	0	78																									78
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									П																							
													$\neg$																			
То	tal				726		726						$\neg$												161	1						565
								O C T	N O V	D E C	J A N	Е		A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	/INLE	AD T	IME			MFR			ТОТА	L	R	EMAF	KS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	oct	At	fter 1 (	Oct	Α	After 1	Oct	j						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+			INIT	IAL				6			6			12			18								
1	TBS		131.00		157.00	393.00	0		1	REO	RDER				6			6			12			18								
										INIT	ΊAL															]						
										REO	RDER																					
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Ш									Į	INIT	TAL	_	_													1						
										REO	RDER																					

	FY 03 / 04 BUDGET PI	ROD	UCTION	SCH	IEDUL	E			Item N ENADI				DELA	AY M	167 (E	E <b>320</b> 0	10)							Date:			Jun	e 2001	l			
												Fi	scal Y	∕ear (	03									I	iscal	Year	04					
				S	PROC	ACCEP	BAL								Cal	endar	· Yea	r 03							_	Caler	ıdar `	Year (	)4			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lo	oad, Assemble, and Pack																								+		H		H			
		1	FY 01	A	161	161	0																									0
		1	FY 02	A	283	0	283						161	122																		0
		1	FY 01	MC	204	0	204			100	104																					0
		1	FY 02	MC	78	0	78															78										0
То	otal				726	161	565			100	104		161	122								78										
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	Α	F E B	Α	P	Α		J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADN	MINLE	AD T	IME			MFR			TOTA	ΛL	R	EMAI	RKS				
F							REACHED	Nuı	mber					Pri	ior 1 O	Oct	A	fter 1 C	Oct	A	fter 1 (	Oct	Α	After 1	Oct							
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		,	INIT					6			6			12			18		_						
1	TBS		131.00		157.00	393.00	0		1	REO	RDER				6			6			12			18		_						
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										KEO	RDER																					

Ext	nibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	1	Date:	J	June 2001		
Appropriation/Budget Ac Procurement of Ammunition,		ION				P-1 Item Non GRI		ND SMOKE TN	G M83 (E693)	00)		
Program Elements for Co	de B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	695	207		236								
Gross Cost	22.5	8.2	0.1	5.3								
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	22.5	8.2	0.1	5.3								
Initial Spares												
Total Proc Cost	22.5	8.2	0.1	5.3								
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The M83 hand grenade contains approximately 1 pound of environmentally acceptable smoke mixture. The smoke mixture is initiated by a pyrotechnic delay-igniting fuze. After initiation, there is a 3 second delay after which a dense smoke cloud is produced to conceal troop, vehicle, or other march movements. The M83 training grenade is deployed in a similar manner as the M8 series of service smoke grenades. It is used by the individual soldier in squad, company, and battalion units. This item is Code A, approved for service use.

### Justification:

This is a training unique item; not used in combat. This grenade is urgently needed to replace the current M8 hexachloroethane (HC) filled munition with a training safe version to reduce the hazard of troop exposure carcinogenic HC smoke. Procurement support annual peacetime training and builds a depot level in acordance with the Army's procurement goals.

TYPE CLASSIFICATION DATE:

1994

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION	P-1 Line II GRENADE	tem Nomenclature HAND SMOKE TN	e: IG M83 (E69300)		Weapon System	Туре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Complete Round					5227	236	22.15						
SubTotal AMMO Hardware					5227								
Production Support Costs Production Engineering Industrial Stock Support		62			19 76								
SubTotal Prod. Support		62			95								
Total		62			5322		22.55						

Exhibit P-5a, Budget Procurement Hist	ory and Planning							Date: Ju	ıne 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITION		Weapon Syster	m Type:			em Nomenc and smoke th	lature: IG M83 (E69300)			
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Complete Round										
FY 2001	Pine Bluff Arsenal (PBA) Pine Bluff, AR	SS/FP	OSC, Rock Island, IL	Mar 2001	Mar 2002	236	22.15	Y		
REMARKS:										

	FY 01 / 02 BUDGET PR	ROD	UCTION	SCH	<b>EDUL</b> I	E			Item N ENADI				E TN	G M8	33 (E6	59300	)							Date:			Jur	ne 200	1			
												Fis	scal Y	'ear (	)1									F	`iscal	Year	: 02					
				S	PROC	ACCEP	BAL								Cale	endar	Yea	r 01								Cale	ndar `	Year	02			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	mplete Round									$\dashv$			$\dashv$			$\dashv$									H	H	+	+	t	+	+	
		1	FY 01	A	236	0	236						Α												150	) 80	6					0
		1	FY 00 P	AF	57	57	0																									0
		1	FY 00	AF	31	0	31																			3	1					0
		1	FY 00 P	MC	39	39	0																									0
		1	FY 00	MC	114	0	114																		114	ļ						0
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M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	REMAI	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Af	fter 1 C	ct	Ai	fter 1 (	Oct	Α	fter 1	Oct							
R	NAME/LOCATION						D+		,	INIT	IAL				6			6			13			19								
1	Pine Bluff Arsenal (PBA), Pine Bluff, AR						0		1	REO	RDER				6			6			13			19								
Ш								ļ	INIT			_													1							
Ш											RDER															4						
Ш									ļ	INIT			_													4						
Н											RDER		_													4						
Н									ŀ	INIT			-													-						
Н									_		RDER		-													-						
Н									ŀ	INIT			-													-						
										REO.	RDER																					

	FY 03 / 04 BUDGET P.	ROD	UCTION	SCE	IEDUL	E			tem No				E TNO	G M8	3 (E6	59300	)							Date:			Jun	e 200	1			
												Fis	cal Y	ear 0	13									F	iscal	Year	04					
				S	PROC	ACCEP	BAL			_					Cale	endar	Yea	r 03							_	Caler	dar `	Year	04			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Co	mplete Round									_			$\dashv$																H			
	•	1	FY 01	A	236	236	0																									0
		1	FY 00 P	AF	57	57	0																									0
		1	FY 00	AF	31	31	0																									0
		1	FY 00 P	MC	39	39	0																									0
		1	FY 00	MC	114	114	0																									0
																													Г			
To	tal				477	477																										
								O C T	0	D E C	Α	Е	Α	P	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	U	J U L		S E P	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	ιL	R	EMAI	RKS				
F							REACHED	Nun	nber					Prio	or 1 Oc	ct	Af	fter 1 C	ct	Af	fter 1 (	Oct	Α	After 1	Oct	Th	is gre	enade	is pro	duced	on th	ne same
R	NAME/LOCATION	OCATION MIN. 1-8-5					D+			INIT	IAL				6			6			13			19			oduct enade		ne as t	he M	18 Co	lored
1	Pine Bluff Arsenal (PBA), Pine Bluff, AR		56.00		112.00	268.80	0	1	1	REO	RDER				6			6			13			19		J	CHAC					
Ш									-	INIT			$\bot$													1						
Ш									_		RDER		_													4						
Ш									_	INIT		_	4													4						
Ш											RDER	_	4													4						
Ш									-	INIT		4	4													4						
Н									_		RDER	-	4													4						
Н									-	INIT		$\dashv$	4			_										4						
										REO	RDER																					

Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TON				P-1 Item Nom SIG		TYPES (E4690	0)			
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	334.0	3.8	4.4	12.9	10.6							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	334.0	3.8	4.4	12.9	10.6							
Initial Spares												
Total Proc Cost	334.0	3.8	4.4	12.9	10.6							
Flyaway U/C												
Wpn Sys Proc U/C												
Net Proc (P-1) Initial Spares Total Proc Cost Flyaway U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes SIGNALS ALL TYPES

These items are used by Army Forces in battlefield signalling, illumination, and obscurant screening operations.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUI	NITION		tem Nomenclature ALL TYPES (E4690			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
SIGNAL KIT PERSONEL DISTRESS RED RP SIGNAL SMOKE & ILLUM MK 124 MOD 0 SIGNAL ILLUM GND WS CLUSTER M159 SIGNAL ILLUM GND WS PARA M127A1 SIGNAL ILLUM GND GS CLUSTER M125A1 FLARE SURFACE TRIP M49 SERIES SMOKE POT PRACTICE M8		27 2613 1309 406	73 37	35.84 35.31	1295 1110 2363 1068 7111	25 31 54 30 15	51.80 35.79 43.96 35.67 474.07	5 1146 1812 730 6918	32 49 20 17	36.73 35.71			
Total		4355			12947			10611					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	I	Date:	J	Tune 2001		
Appropriation/Budget Act		ION				P-1 Item Nom SM		RACTICE M8 (I	E62900)			
Program Elements for Cod	le B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty	34			15	17							
Gross Cost	14.2			7.1	6.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	14.2			7.1	6.9							
Initial Spares												
Total Proc Cost	14.2			7.1	6.9							
Flyaway U/C												
Wpn Sys Proc U/C												

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The M8 Smoke Pot is a five-gallon metal pail containing about 25 pounds of environmentally acceptable smoke mixture. It is initiated by a pyrotechnic delay igniting fuze. After ignition, about a 25 second delay, a dense smoke cloud is produced for screening purposes to conceal troop, vehicle, or other march movements. It is deployed in a similar manner as the service smoke pots, M4 series and M5. It is used by the individual soldier in squad, company and battalion units. This item is code B, not approved for service use.

### Justification:

This training pot is urgently needed to replace the current M4A2 hexachloreathane (HC) filled munition with a training munition with a reduced hazard for troops exposed during training.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/E Procurement of	Budget Active of Ammunition,	ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature OT PRACTICE M8 (I			Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
AMMUNITION HARDWARE Load, Assemble, and Pack Component Explosive					2150 2387 2212		143 149 138	2310	17 17 17	136			
SubTotal AMMO Hardware					6749			6629					
Production Support Costs Engineering Support Quality Assurance Acceptance Testing Interim Transportation Industrial Stock Support  SubTotal Production Support Costs					135 16 79 32 100 <b>362</b>		12 1 5 2 19	127 7 39 16 100 <b>289</b>		9 1 4 2 19			
Total					7111			6918					

Exhibit P-5a, Budget Procure	ement History and Planning							Date: J	une 2001	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / AMMUNITIO	NO	Weapon Syste	т Туре:			em Nomeno				
WBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY x1000	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issa Date
Load, Assemble, and Pack										
FY 2001	Pine Bluff Arsenal Pine Bluff, Arkansas	SS/GOGO	SBCCOM	JAN-01	MAY-02	15	143			
FY 2002	Pine Bluff Arsenal Pine Bluff, Arkansas	SS/GOGO	SBCCOM	JAN-02	MAY-03	17	124			
Component										
FY 2001	Pine Bluff Arsenal Pine Bluff, Arkansas	SS/GOGO	Pine Bluff Arsenal	JAN-01	MAY-02	16	149			
FY 2002	Pine Bluff Arsenal Pine Bluff, Arkansas	SS/GOGO	Pine Bluff Arsenal	JAN-02	MAY-03	17	136			
Explosive										
FY 2001	Pine Bluff Arsenal Pine Bluff, Arkansas	SS/GOGO	Pine Bluff Arsenal	JAN-01	MAY-02	16	138			
FY 2002	Pine Bluff Arsenal Pine Bluff, Arkansas	SS/GOGO	Pine Bluff Arsenal	JAN-02	MAY-03	17	130			

	FY 01 / 02 BUDGET PR	OD.	UCTION	SCH	<b>EDUL</b>	E			Item N OKE P				M8 (E	E <b>629</b> 0	)0)									Date:			Jur	ie 200	1			
												Fis	scal Y	'ear (	)1									I	iscal	Year	02					
l				S	PROC	ACCEP	BAL						_	_	Cale	endar	· Yea	r 01						_	_	Cale	ıdar	Year	02	_	_	L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Sm	nokepot Production												_											+					H			
		1	FY 01	A	15	0	15		П																			4 5	5	6		0
		1	FY 02	A	17	0	17		П																				Г			17
									П																				Г			
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То	tal				32		32																					4 5	5	6		17
								O C T	N O V	D E C	Α	Е	Α	A P R	Α		J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y	U	J U L	A U G	Е	
M			PR	ODUCTI	ON RATES			M	FR						ADM	IINLE	AD T	IME			MFR			TOTA	L	R	EMA	RKS				
F							REACHED	Nur	nber					Pri	ior 1 O	ct	Ai	fter 1 C	)ct	A	fter 1 (	Oct	Α	After 1	Oct	1						
R	NAME/LOCATION		MIN.		1-8-5	MAX.	D+		1	INIT					4			4			12			16		1						
1	Pine Bluff Arsenal, Pine Bluff, Arkansas	al, Pine Bluff, Arkansas 4.00 6.00					6		1	REO	RDER				4			4			12			16		1						
Ц									Ļ	INIT		_	_													4						
Ш											RDER															4						
Ш									Ļ	INIT		_	_													4						
Н											RDER		_													4						
Н									ŀ	INIT		-	-													4						
Н									_		RDER	-	-													-						
Н									ŀ	INIT		$\dashv$	-													1						
										REO	RDER																					

	FY 03 / 04 BUDGET PF	ROD	UCTION	SCH	[EDUL]	E			Item N OKE P				M8 (E	E6290	00)									Date:			Jun	e 2001	1			
												Fis	scal Y	'ear (	03									F	`iscal	Year	04					
				S	PROC	ACCEP	BAL						_		Cale	endar	Yea	r 03								Calen	dar '	Year (	)4			L A
	COST ELEMENTS	M F R	FY	S E R V	QTY x1000	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Sm	okepot Production										$\vdash$		_												H			$\vdash$				
		1	FY 01	A	15	15	0		П																							0
		1	FY 02	A	17	0	17		П						5	6	6															0
									П																							
									П																							
									П																							
									П																							
									П																							
									П																							
									П																							
									П																							
									П																							
To	tal				32	15	17		П						5	6	6															
								O C T	N O V	D E C	Α	Е	Α	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	P	M A Y		J U L	A U G	S E P	
M			PR	ODUCTI	ON RATES			М	FR						ADM	4INLE	AD T	IME			MFR			ТОТА	L	R	EMAF	RKS				
F							REACHED	Nuı	nber					Pri	ior 1 O	ct	Af	fter 1 C	Oct	At	fter 1 (	Oct	Α	fter 1	Oct							
R	NAME/LOCATION	ME/LOCATION MIN. 1-8-5					D+			INIT	TAL				4			4			12			16								
1	Pine Bluff Arsenal, Pine Bluff, Arkansas		4.00		6.00	20.00	6		1	REO	RDER				4			4			12			16		_						
										INIT	TAL															1						
										REO	RDER															1						
Ш									L	INIT			_													1						
Ш											RDER															4						
Ш									ļ	INIT		_	_													4						
Ш											RDER	_	_													4						
Н									ļ	INIT		-	-													4						
										REO	RDER																					

Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet		Date:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Nom SIM		, ALL TYPES (F	E51200)			
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	212.9	3.7	2.3	3.0	3.4							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	212.9	3.7	2.3	3.0	3.4							
Initial Spares												
Total Proc Cost	212.9	3.7	2.3	3.0	3.4							
Flyaway U/C												
Wpn Sys Proc U/C												

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This budget line includes SIMULATORS ALL TYPES.

These items are used to support Army training efforts and they simulate combat battlefield noise, obscuration, and explosions.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMU	NITION		tem Nomenclature DRS, ALL TYPES (E			Weapon System	Гуре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
SIMULATOR PROJ AIRBURST M74 SIMULATOR PROJ GND BURST M115A2 SIMULATOR BOOBY TRAP FLASH M117 SIMULATOR HAND GRENADE M116A1 SIMULATOR TARGET HIT M25 SIMULATOR ANTITANK M27 SIMULATOR MAIN TANK GUN XM28 SIMULATOR DIR/INDIR FIRE CUE XM29		79 52 145 152 62 72 987 725	19 13 285	7.49 11.30 3.46	1088 72 679 1187	71 175 429	15.27 3.89 2.77	679 1724 1006	171 1040	3.97 1.66		Alou	
Total		2274			3026			3409					

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	1	Date:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Non AM		ONENTS, ALL	ΓYPES (EB00	16)		
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	765.3	3.8	3.4	6.7	6.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	765.3	3.8	3.4	6.7	6.9							
Initial Spares												
Total Proc Cost	765.3	3.8	3.4	6.7	6.9							
Flyaway U/C												
Wpn Sys Proc U/C												

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This budget line includes all Ammo Components/Support Items.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of	Sudget Activer of Ammunition	rity/Serial No. n, Army / 1 / AMMU	NITION		tem Nomenclature MPONENTS, ALL			Weapon System	Туре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
COMPONENTS FOR RENO OF FIELD STOCK WEAPONS COMP/ SPT OF PROOF/ACPT TEST		2293 1071			5736 953			5894 980					
Total		3364			6689			6874					

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Non CO		FOR RENOVA	TION OF FIE	LD STOCK (	EA0500)	
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Complete Total								Total Prog			
Proc Qty												
Gross Cost	503.0	2.7	2.3	5.7	5.9							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	503.0	2.7	2.3	5.7	5.9							
Initial Spares												
Total Proc Cost	503.0	2.7	2.3	5.7	5.9							
Flyaway U/C												
Wpn Sys Proc U/C												

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These components are used to support the renovation of ammunition items currently in the Army inventory. All components are centrally managed and procured by the Operations Support Command. Items support worldwide ammunition requirements in order to maintain the inventory in a serviceable status ready for issue to the troops.

#### Justification:

The components are required to bring stocks that are no longer in an issuable condition back to an issuable condition. The alternative is to fill requirements with new procurement. It is much more cost effective to correct most stockpile deficiencies through renovation than through new procurement.

ACQUISITION MANAGER:

OSC, Rock Island, Ill

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sh	June 2001						
Appropriation/Budget Acti Procurement of Ammunition, A		ION				P-1 Item Non CAl		TYPES (EA000	93)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
Prior Years FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Complete To									Total Prog			
Proc Qty												
Gross Cost	64.1	2.4	1.9	4.3	5.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	64.1	2.4	1.9	4.3	5.0							
Initial Spares												
Total Proc Cost	64.1	2.4	1.9	4.3	5.0							
Flyaway U/C												
Wpn Sys Proc U/C												

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Cartridge Actuated Devices (CAD) and Propellant Actuated Devices (PAD) are used in various escape and jettison systems on all types of Army aircraft.

#### Justification:

Required to support aircraft escape and jettison systems and mission essential needs. Items are subject to shelf and service life restrictions and therefore require replacement at specified intervals. The FY 2002 program is required to assure availability of replacement items when needed and avoid grounding aircraft or rendering aircraft partially mission capable.

Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Ι	Date:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION				P-1 Item Non ITE		HAN \$5 MILLIO	ON (EA0055)			
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	772.0	9.8	13.3	10.1	11.0							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	772.0	9.8	13.3	10.1	11.0							
Initial Spares												
Total Proc Cost	772.0	9.8	13.3	10.1	11.0							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes MISCELLANEOUS AMMUNITION ITEMS UNDER \$5M

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/B Procurement of		ity/Serial No. , Army / 1 / AMMUl	NITION		tem Nomenclature SS THAN \$5 MILLIO			Weapon System	Гуре:	Date: June 2	001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
CTG 10 GAUGE BLANK CTG 12 GAUGE SHOTGUN 00 BUCKSHOT CTG CAL .22 LR MATCH F/PISTOL		16			94	81	1.15	96 101	124 279	0.77 0.36			
CTG .30 CAL BLANK RIOT CONTROL AGENT CS CAPSULE CTG 12 GAUGE NON-LETHAL XM1012		1140	4168	0.27	561 20 936	1772 23 137	0.32 0.85 6.83	2453 239	10625 276	0.23 0.88			
CTG 12 GAUGE CROWD DISPERSAL XM1013 FUZE ARTY MOUT MK 399 MOD 1		921 190	126	7.31	194	137	0.03	196					
AMMUNITION PROGRAM SUPPORT USAMTU FT BENNING NEW EQUIPMENT TRAINING		1002 1200 671			4372 342 87			4578 353 92					
LINE CHARGE INERT M68A2 F/MICLIC RIFLE LAUNCHED ENTRY MUNITION CTG MORTAR 81MM HE M821 W/MO FUZE LAKE CITY AAP CONTRACT CLOSEOUT COSTS		2000 2000 4111			3447	2000	1.72	117 2793	2300	1.21			
LAKE CITY AAP CONTRACT CLOSEOUT COSTS		4111											
Total		13251			10053			11018					

Ex	hibit P-40	, Budge	t Item J	ustifica	tion Sh	eet	Date: June 2001						
Appropriation/Budget A Procurement of Ammunition		ION				P-1 Item Nom AM		PECULIAR EQ	OUIPMENT (E	(A0575)			
Program Elements for C	ode B Items:			Code:	Other Relat	ed Program El	ements:						
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog	
Proc Qty													
Gross Cost	89.6	10.3	9.6	9.4	8.8								
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)	89.6	10.3	9.6	9.4	8.8								
Initial Spares													
Total Proc Cost	89.6	10.3	9.6	9.4	8.8								
Flyaway U/C													
Wpn Sys Proc U/C	s Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Ammunition Peculiar Equipment (APE) is unique, low density equipment items specifically designed, fabricated, tested, procured, and adopted for use in ammunition depot operations in conventional and chemical ammunition. These depot operations involve maintenance, demilitarization, preservation/packaging, and surveillance functions on the ammunition item. APE is not stocked nor is it available from commercial sources. This equipment is different from production line plant equipment in that it disassembles ammunition items into components, usually for the removal of a hazardous component. APE is also designed to perform cleaning and renovation functions on ammunition subjected to deterioration effects (rust, corrosion, weathering, etc) during its storage life. APE supporting surveillance is keyed to stockpile sampling and function tests of the items to assure readiness for combat or training. Demilitarization APE is similar somewhat to maintenance APE but must go further in disassembly to destroy hazardous components and reclaim salvageable parts or metals. APE is designed, developed, and fielded to support ammunition field service stocks that are currently on hand in the inventory control point and is used to restore these stocks to an issuance/serviceable condition.

#### Justification:

The APE and replacement parts must be on-hand to perform any of the ammunition depot operations for conventional and chemical ammunition. The ammunition depot operations cannot be accomplished if the required APE is not supplied in a timely manner. The equipment is loaned to worldwide locations for the accomplishment of depot type operations based on the ammunition requirements. The equipment described herein is required to support the following ammunition programs: Integrated Conventional Ammunition Maintenance Plan (ICAMP); surveillance program for lethal chemical agents and munitions; equipment for worldwide maintenance lines; equipment to support the toxic chemical maintenance facilities; Prepositioned Ships; and also to support Government-owned, contractor-operated plants as Government Furnished Equipment (GFE) in support of ammunition depot operations at those locations.

APE is centrally managed by HQ, OSC

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	June 2001						
Appropriation/Budget Act		ION				P-1 Item Nom FIR		ATION TRANS	PORTATION	(AMMO) (EA	A0550)	
Program Elements for Cod	e B Items:			Code:	Other Relat	ed Program Ele	ements:					
	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog				
Proc Qty												
Gross Cost	723.6	5.2	6.8	5.1	5.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	723.6	5.2	6.8	5.1	5.2							
Initial Spares												
Total Proc Cost												
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Transportation funds are required to support the distribution of Army ammunition end items from manufacturing plants or assembly points, e.g., Army Ammunition Plants (AAPs) or Defense Contract Management Agencies; i.e., Procedure A and B contractors to a CONUS depot, customer, other point of first acceptance into the Army supply system or to a port destined for OCONUS customers. These funds directly support training and readiness requirements of soldiers in the field (CONUS and OCONUS) to include major OCONUS programs such as PPWR (Preposition War Reserves) Europe and Korea; Training Europe/Korea and WRSA (War Reserve Support Allies) Korea/Thailand.

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	;	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		ΓΙΟΝ				P-1 Item Non CLO		BILITIES (EA	8500)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost		125.2		5.7	32.2							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		125.2		5.7	32.2							
Initial Spares												
Total Proc Cost		125.2		5.7	32.2							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

Funding will pay the increment of contract termination cost and operational losses to ensure the solvency of the Conventional Ammunition Working Capital Fund (CAWCF) as the fund closes out.

#### Justification:

Funding is required to pay contract termination cost, e.g., unfunded pension liabilities, severance pay, and inventory at ammunition plants. Additionally, funds will pay for losses in the CAWCF as it closes out.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/E Procurement o	Budget Activer of Ammunition	rity/Serial No. ı, Army / 1 / AMMU	NITION	P-1 Line I CLOSEOU	tem Nomenclatur T LIABILITIES (EA	e: .8500)		Weapon System	Туре:	Date: June 2	2001
AMMO	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
CAWCF LOSSES RADFORD AAP CONTRACT CLOSEOUT COSTS					5712			27183 5030					
Total					5712			32213					

Exhi	bit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	June 2001		
Appropriation/Budget Active Procurement of Ammunition, A		TION PRODUCTIO	ON BASE SUPPOI	RT		P-1 Item Non PRO		INDUSTRIAL	FACILITIES	(EP1000)		
Program Elements for Code	B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	4765.3	45.6	48.5	50.3	57.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	4765.3	45.6	48.5	50.3	57.3							
Initial Spares												
Total Proc Cost	4765.3	45.6	48.5	50.3	57.3							
Flyaway U/C												
Wpn Sys Proc U/C												
						•		•		•	•	

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This budget line includes Provision of Industrial Facilities (EP1200)

Exh	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	Г	ate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION PRODUCTIO	N BASE SUPPOF	RT		P-1 Item Nom IND		ACILITIES (EP	21200)			
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Complete To								Total Prog			
Proc Qty												
Gross Cost	3712.8	45.6	48.5	50.3	57.3							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	3712.8	45.6	48.5	50.3	57.3							
Initial Spares												
Total Proc Cost	3712.8	45.6	48.5	50.3	57.3							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Industrial Facilities (IF) budget request contains funding for correction of environmental deficiencies at existing facilities, replacement of obsolete or worn production equipment, and correction of infrastructure.

FY 02

Environmental \$14.1

Production Support \$43.2

TOTAL \$57.3

#### Justification:

Funds are used for the establishment, augmentation, and improvement of production capability for items procured under the ammunition appropriations. Includes correction of infrastructure in the area of sewers, electrical and water distribution rehabilitation. Funds also correct environmental problems which, if left unfunded, would result in costly fines and penalties against the Army.

#### Date: Exhibit P-40C, Budget Item Justification Sheet June 2001 Appropriation/Budget Activity/Serial No: P-1 Item Nomenclature Procurement of Ammunition, Army /2/AMMUNITION PRODUCTION BASE SUPPORT INDUSTRIAL FACILITIES (EP1200) Other Related Program Elements: Program Elements for Code B Items: Code: FY 2001 Location **Project Title** Project FY 2000 FY 2002 FY 2003 **Production Support** Army Research, Development, and Production Base Readiness Support 5003040 2000 **Engineering Center** Holston Army Ammunition Plant Explosive Manufacturing Alternatives Team (XMAT) Facility 5XX1000 18641 14069 11440 Initiative Iowa, Lone Star, Milan and Kansas Load, Assemble and Pack - Capital Investments/Facility Initiatives 5XX3399 7721 4137 24590 Ammunition Plant Iowa Army Ammunition Plant Renovate Buildings 100-101 5003333 1142 Iowa Army Ammunition Plant Install 5 Dry-Type Sprinklers, Yard L 759 5003334 Iowa Army Ammunition Plant Refurbish Mathes Lake Dam 5003349 398 Iowa Army Ammunition Plant 120mm Tank Line of the Future 5003403 5400 Iowa Army Ammunition Plant Install Steam Line to Line 3A from Main Heating Plant 5012998 3964 Iowa Army Ammunition Plant Expand Melt Capacity, Line 3A 5013395 3000 Radford Army Ammunition Plant 5013391 Replace Acid Tank Aluminum-1 (AL-1), Acid Area 1187 Radford Army Ammunition Plant Improvements for Multi-Base Production 3700 5013402 Radford Army Ammunition Plant Capital Investment Plan/Facility Initiatives 5XX3407 1622 2647 4921 Riverbank Army Ammunition Plan Large Caliber Deep-Drawn Cartridge Cases 5003311 2800 Activation of Grenade Metal Parts Line Riverbank Army Ammunition Plan 5013408 3000 Various Army Ammunition Plants 944 1070 1222 Engineering in Support of Industrial Facilities 5XX3046

Exhibit P-40C, Budget Item	Justification Sheet				Date:	Jı	une 2001		
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army /2/AMMU	UNITION PRODUCTION BASE SUPPORT			P-1 Item Nomenclature	INDUST	TRIAL FACILITIES (EPI	200)		
Program Elements for Code B Items:		Code:	Other Related P	rogram Elements:					
<u>Location</u>	<u>Proje</u>	ect Title			Project	FY 2000	FY 2001	FY 2002	FY 2003
Production Support (continued)									
X-Facility	Medium Caliber Facility Initia	atives		:	5033398				
Yuma Proving Gnd/Aberdeen Test Center	Production Support and Equip	oment Replac	cement (PSR)		5XX5060	1191	1182	999	
		Subtot	al - Productio	n		42,618	37,956	43,172	0
<u>Environmental</u>									
Iowa Army Ammunition Plant	Pink Water Treatment, 3A-05	-2		:	5013344		1385		
Iowa, Lone Star, Milan and Kansas Army Ammunition Plants	Load, Assmble and Pack Faci	lities - Envir	onmental Upg	rades	5XX3399			6955	
Lone Star Army Ammunition Plant	Sanitary Sewer Collection Sys	stem		:	5002955	150			
Milan Army Ammunition Plant Milan Army Ammunition Plant Milan Army Ammunition Plant	Rehabilitate/Replace Sewage Boiler Conversion at K-Line Upgrade Sewage Treatment P Treatment Collection Lines		•	:	5013384 5013392 5XX2943	4099	1843 1567 1579		
Radford Army Ammunition Plant	Dike Repairs Acid Sewer System Upgrade			:	5012924		2489 3463		

Exhibit P-40C, Budget Item	Justification Sheet					Jı	une 2001		
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army /2/AMMU	NITION PRODUCTION BASE SUPPORT			P-1 Item Nomenclature	INDUSTE	RIAL FACILITIES (EP	1200)		
Program Elements for Code B Items:		Code:	Other Related	Program Elements:					
Location	Projec	ct Title			Project	FY 2000	FY 2001	FY 2002	FY 2003
Environmental (continued)									
Radford Army Ammunition Plant	Capital Improvement Plan - Er	nvironmenta	l Upgrades		5XX3407			7150	
Scranton Army Ammunition Plant	Upgrade Plant Drainage Syster	n			5002986	1500			
Scranton Army Ammunition Plant	Seal Waste Oil Pits, Forge Sho	ps, and Hea	t Treat, Phase	e II	5XX3404	125			
		Subtot	al - Environi	mental		5,874	12,326	14,105	0
Total In	dustrial Facilities					48,492	50,282	57,277	0

Exhibit P-2	25 Indust	rial Facili	ities Cos	t Analysi	s (Dollars in Thou	sands)			1. Date:	June 2001	
Project Title/Type     Medium Caliber Facility Initiatives				3. End Item	n Supported Model	Medium Caliber					
4. Project Number 5033398	5. Annual C	apacity Befor	re (1-8-5)	Not Applica	ıble	6. Annual Capacity After (1-8-	-5) Not A	pplicable			
Element of Cost	FY 00	FY 01	FY 02	FY 03	H. Facility  1. Name	<u>X-Facil</u>	ity				
A. Construction Cost					<ul><li>2. Location</li><li>3. Type (GOGO, GOCO,</li></ul>	COCO) <u>X-Facili</u> COCO	ity				
B. Equipment Costs (Individual equipment cost should be specified for all equipment costing more that \$0.5 Million)					I. Related Proj						
1.					Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
2.						Not Applicable					
3.											
Subtotal Equipment Cost											
C. Equipment Installation Cost											
D. Contractor Support Cost  E. Corps of Engineers Support Cost					J. Principal Milestones				Month & Yea	ır	
F. Other In-houses Support Costs					1. Cond	cept Design Complete			Not Applicabl		
Total Facility Project Cost						l Design Complete al/Final Project Award			Not Applicabl Not Applicabl	_	
G. Other Costs  1. Facility Prove-out Cost 2. Military Construction Appn.					5. Equi 6. Prov	struction Complete pment Installation Complete e Out Begins e Out Complete			Not Applicabl Not Applicabl Not Applicabl Not Applicabl	<u>e</u> <u>e</u>	
Narrativa Evalanation											

This project is required to assure necessary facilities are available to meet peacetime requirements for medium caliber items at the best cost and quality, and on time delivery of all Department of Defense (DOD) customers. In addition, this project will result in having a capacity that meets replenishment requirements.

Exhibit P-2	25 Industi	rial Facili	ities Cos	t Analysi	s (Dollars in Thou	sands)			1. Date:	June 2001	
2. Project Title/Type Explosive Manufacturing Alternatives	Team (XMA	T) Facility In	itiative	3. End Iten	n Supported Model	Research Department Explosiv	e (RDX)/High	Melt Explos	ive (HMX)		
4. Project Number 5XX1000	5. Annual Ca	apacity Befor	re (1-8-5)	Not Applica	able	6. Annual Capacity After (1-8-	-5) Not A	pplicable			
Element of Cost	FY 00	FY 01	FY 02	FY 03	H. Facility  1. Name	<u>Holston</u>	Army Ammu	nition Plant			
A. Construction Cost					<ul><li>2. Location</li><li>3. Type (GOGO, GOCO)</li></ul>		ort, Tennessee				
<b>B. Equipment Costs</b> (Individual equipment cost should be specified for all equipment costing more that \$0.5 Million)					I. Related Proj	ects					
1.					Project Number 1000	Title  XMAT Facility Initiative	FY & Appn FY 00	Value (\$ Mil) 18.641	Facing No	Start Date N/A	Compl Date N/A
2.					1000	XMAT Facility Initiative	FY 01	14.069	No	N/A	N/A
3.											
Subtotal Equipment Cost C. Equipment Installation Cost D. Contractor Support Cost											
E. Corps of Engineers Support Cost F. Other In-houses Support Costs Total Facility Project Cost	18641	14069	1144(	)	2. Fina 3. Initi	cept Design Complete Il Design Complete al/Final Project Award			Month & Yea Not Applicabl Not Applicabl Not Applicabl	<u>e</u> <u>e</u>	
G. Other Costs  1. Facility Prove-out Cost 2. Military Construction Appn.					5. Equi 6. Prov	struction Complete ipment Installation Complete ve Out Begins ve Out Complete			Not Applicabl Not Applicabl Not Applicabl Not Applicabl	<u>e</u> <u>e</u>	

This project provides funding for the operational costs at Holston Army Ammunition Plant. Operational costs include all property management costs such as maintenance, facilitization, environmental, safety, security, traffic management, readiness/reactivation/replenishment planning, and support of the on-site Government staff.

Exhibit P-2	25 Industi	rial Facil	ities Cos	t Analysi	is (Dollars in Thou	sands)			1. Date:	June 2001	
<ol> <li>Project Title/Type Engineering in Support of Industrial F</li> </ol>	acilities			3. End Iten	n Supported Model	Multiple					
4. Project Number 5XX3046	5. Annual C	apacity Befor	re (1-8-5)	Not Applica	able	6. Annual Capacity A	After (1-8-5) Not A	pplicable			
Element of Cost	FY 00	FY 01	FY 02	FY 03	H. Facility  1. Name		Various Army Ammu	ınition Plants			
A. Construction Cost  B. Equipment Costs (Individual equipment cost should be specified for all equipment costing					2. Location 3. Type (GOGO, GOCO,	*	Multiple Multiple				
more that \$0.5 Million)					I. Related Project Number	Title Not Applicable	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
<ul><li>2.</li><li>3.</li></ul>											
Subtotal Equipment Cost C. Equipment Installation Cost D. Contractor Support Cost											
E. Corps of Engineers Support Cost F. Other In-houses Support Costs Total Facility Project Cost G. Other Costs  1. Facility Prove-out Cost 2. Military Construction Appn.	541 403 <b>944</b>	871 199 <b>1070</b>	612 610 <b>1222</b>		2. Fina 3. Initia 4. Cons 5. Equi 6. Prov	cept Design Complete I Design Complete al/Final Project Award struction Complete pment Installation Con e Out Begins e Out Complete			Month & Yea Not Applicab Not Applicab Not Applicab Not Applicab Not Applicab Not Applicab	l <u>e</u> l <u>e</u> l <u>e</u> l <u>e</u> l <u>e</u>	

This project will provide for process design specifications, procurement packages, design reviews, design related analyses, and where necessary provides for initiation/continuation of equipment/construction concept and final design, incorporation of engineering change proposals (ECPs), preparation of environmental evaluation to determine if a categorical exclusion to the requirement for an environmental assessment (EA) can be made, and other design related efforts allowable under existing regulations deemed necessary to assure efficient and timely execution of facility projects. Provides for production base/technology assessments and pilot scale demonstrations for affecting cost effective producability of ammunition.

Exhibit P-2	25 Industr	ial Facili	ties Cos	t Analysi	is (Dollars in Thou	sands)			1. Date:	June 2001	
<ol> <li>Project Title/Type         Load, Assemble and Pack - Capital In</li> </ol>	vestments/Fac	ility Initiativ	es	3. End Iten	n Supported Model	Artillery, Tank, Mo	rtar, and Mine Load C	omponents			
4. Project Number 5XX3399	5. Annual Ca	pacity Befor	e (1-8-5)	Not Applica	able	6. Annual Capacity	After (1-8-5) No	t Applicable			
Element of Cost	FY 00	FY 01	FY 02	FY 03	H. Facility  1. Name		Iowa, Lone Star, I	Milan and Kans	as Ammunitio	n Plant	
A. Construction Cost  B. Equipment Costs (Individual equipment cost should be specified for all equipment costing more that \$0.5 Million)	4302 2462	3696	20972 680		2. Location 3. Type (GOGO, GOCO,  I. Related Proje	,	<u>Variious</u> <u>GOCO</u>				
<ol> <li>2.</li> <li>3.</li> </ol>					Project Number	Title Not Applicable	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
Subtotal Equipment Cost C. Equipment Installation Cost D. Contractor Support Cost E. Corps of Engineers Support Cost F. Other In-houses Support Costs Total Facility Project Cost G. Other Costs  1. Facility Prove-out Cost 2. Military Construction Appn.	2462 669 128 160 7721	382 59 <b>4137</b>	1231 427 1280 18 24608		2. Fina 3. Initia 4. Cons 5. Equi 6. Prov	cept Design Complet Design Complete al/Final Project Awar struction Complete pment Installation Co e Out Begins e Out Complete	rd		Month & Yes  Jan 00 Aug 00 Jan 02/Jan 02 Sep 02 Not Applicab Not Applicab Not Applicab	<u>2</u> <u>le</u>	

Project efforts include correction of infrastructure in the areas of electrical service, water mains/distribution systems, fire alarm systems and heating systems. Replace deteriorated leaking roofs, that are beyond economical repair, perform repairs to railroad lines at plants, repair/resurface roads that create a safety hazard due to explosive loads transported and replace production equipment which is obsolete and requires extensive maintenance. Includes sewer rehabilitation and upgrades to sediment basin at high explosive demolition ground.

Exhibit P-2	5 Industr	ial Facili	ities Cos	t Analysi	s (Dollars in Thou	sands)			1. Date:	June 2001	
2. Project Title/Type Load, Assmble and Pack Facilities - En	vironmental l	Upgrades		3. End Iten	n Supported Model	Artillery, Tank, Mortar, and	Mine Load Con	nponents			
4. Project Number 5XX3399	5. Annual Ca	pacity Befor	e (1-8-5)	N/A		6. Annual Capacity After (	1-8-5) N/A				
Element of Cost	FY 00	FY 01	FY 02	FY 03	H. Facility  1. Name	<u>Iow</u>	ı, Lone Star, Mil	an and Kansa	s Army Ammu	nition Plants	
A. Construction Cost  B. Equipment Costs (Individual equipment cost			6237 287		<ul><li>2. Location</li><li>3. Type (GOGO, GOCO,</li></ul>	, COCO) <u>GOO</u>	<del></del>				
should be specified for all equipment costing more that \$0.5 Million)			207		I. Related Proj	ects					
1.					Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
2.											
3.											
Subtotal Equipment Cost			287								
C. Equipment Installation Cost			145								
D. Contractor Support Cost			195		I. Dainein al Milantana				Month & Yea		
E. Corps of Engineers Support Cost F. Other In-houses Support Costs			91			cept Design Complete l Design Complete			Not Applicabl	l <u>e</u>	
Total Facility Project Cost			6955		3. Initia	al/Final Project Award			Nov 01/Jan 02		
G. Other Costs  1. Facility Prove-out Cost 2. Military Construction Appn.					5. Equi 6. Prov	struction Complete pment Installation Complete re Out Begins re Out Complete			Oct 02 Nov 02 Not Applicabl Not Applicabl		

Corrects environmental related problems to bring plants into compliance with state and federal criteris. Includes sewer rehabilitation and upgrades to sediment basin at high explosive demolition ground.

Exhibit P-2	25 Industr	ial Facili	ties Cos	t Analysi	is (Dollars in Thou	sands)			1. Date:	June 2001	
<ol> <li>Project Title/Type         Capital Investment Plan/Facility Initiat</li> </ol>	ives			3. End Iten	n Supported Model	Propellants and Exp	olosives (Nitroglyco	erin and Nitrocellu	lose)		
4. Project Number 5XX3407	5. Annual Ca	pacity Befor	e (1-8-5)	Not Applica	able	6. Annual Capacity	After (1-8-5)	Not Applicable			
Element of Cost	FY 00	FY 01	FY 02	FY 03	H. Facility  1. Name		Radford Army	Ammunition Plant			
A. Construction Cost  B. Equipment Costs (Individual equipment cost	749 400	773 1089	4477		2. Location 3. Type (GOGO, GOCO,	COCO)	Radford, Virging GOCO	<u>iia</u>			
should be specified for all equipment costing more that \$0.5 Million)	400	1007			I. Related Proj	ects					
1.					Project Number	Title Not Applicable	FY Apı		Facing	Start Date	Compl Date
2.						Promote					
3.											
Subtotal Equipment Cost	400	1089									
C. Equipment Installation Cost	276	595									
D. Contractor Support Cost	149	149	168								
E. Corps of Engineers Support Cost	48	41	255		J. Principal Milestones	. D. : G. 1.			Month & Yes		
F. Other In-houses Support Costs			21			cept Design Complete  l Design Complete	te		Not Applicab		
Total Facility Project Cost	1622	2647	4921			al/Final Project Awa	rd		Jan-02/Sep02		
G. Other Costs						struction Complete			Not Applicab		
<ol> <li>Facility Prove-out Cost</li> <li>Military Construction Appn.</li> </ol>					6. Prov	pment Installation C te Out Begins te Out Complete	omplete		Not Applicab Not Applicab Not Applicab	le	

This project provides for capital investments in areas such as Hazardous Waste Tanks for Wastewater Plants and replacement of walls/joints at coal storage area. FY 2003 provides for propellant and explosives facility initiatives.

Exhibit P-2	5 Industr	rial Facil	ities Cos	t Analysi	is (Dollars in Thou	sands)			1. Date:	June 2001	
2. Project Title/Type Capital Improvement Plan - Environme	ental Upgrade	es		3. End Iten	n Supported Model	Propellants and Explosives (N	litroglycerin ar	nd Nitrocellulo	ose)		
4. Project Number 5XX3407	5. Annual Ca	apacity Befor	re (1-8-5)	N/A		6. Annual Capacity After (1-	8-5) N/A				
Element of Cost	FY 00	FY 01	FY 02	FY 03	H. Facility  1. Name	<u>Radfo</u>	rd Army Amm	unition Plant			
A. Construction Cost			6532		<ul><li>2. Location</li><li>3. Type (GOGO, GOCO,</li></ul>		rd, Virginia )				
<b>B. Equipment Costs</b> (Individual equipment cost should be specified for all equipment costing more that \$0.5 Million)					I. Related Proj	ects					
1.					Project Number	Title	FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
2.											
3.											
Subtotal Equipment Cost											
C. Equipment Installation Cost											
D. Contractor Support Cost E. Corps of Engineers Support Cost			201 392		J. Principal Milestones				Month & Ye	ar	
F. Other In-houses Support Costs			25		1. Cond	cept Design Complete			Not Applicab		
Total Facility Project Cost			7150			l Design Complete al/Final Project Award			Not Applicab Jan 02/Feb 02		
G. Other Costs  1. Facility Prove-out Cost 2. Military Construction Appn.					4. Con: 5. Equi 6. Prov	struction Complete ipment Installation Complete re Out Begins re Out Complete			April 03 Not Applicab Not Applicab Not Applicab	le le	

Project supports the Acid Wastewater Treatment Facility in order to bring in compliance with hazardous waste regulations and for secondary containment of storage tanks in active facilities to prevent release of fuel, used oil, corrosives and other hazardous materiels into the environment.

Exhibit P-2	25 Industr	ial Facili	ties Cos	t Analysi	is (Dollars in Thou	sands)				1. Date:	June 2001	
2. Project Title/Type Production Support and Equipment Re	eplacement (PS	SR)		3. End Iten	n Supported Model	Initial Production A	cceptance and P	Product Im	provements	for Ammunition	on	
4. Project Number 5XX5060	5. Annual Ca	pacity Befor	e (1-8-5)	N/A		6. Annual Capacity	After (1-8-5)	N/A				
Element of Cost	FY 00	FY 01	FY 02	FY 03	H. Facility  1. Name		Yuma Provi	ng Gnd/Al	berdeen Test	<u>Center</u>		
A. Construction Cost  B. Equipment Costs (Individual equipment cost	1191	1182	999		<ol> <li>Location</li> <li>Type (GOGO, GOCO,</li> </ol>	COCO)	Yuma, AZ. a	and Aberd	leen Proving	Ground, MD.		
should be specified for all equipment costing more that \$0.5 Million)					I. Related Proje	ects						
1.					Project Number	Title		FY & Appn	Value (\$ Mil)	Facing	Start Date	Compl Date
2.												
3.												
Subtotal Equipment Cost	1191	1182	999									
C. Equipment Installation Cost D. Contractor Support Cost												
E. Corps of Engineers Support Cost F. Other In-houses Support Costs	1101	1100	000		2. Fina	cept Design Complete  Design Complete				Month & Yea Not Applicable Not Applicable	l <u>e</u> l <u>e</u>	
Total Facility Project Cost G. Other Costs  1. Facility Prove-out Cost 2. Military Construction Appn.	1191	1182	999		4. Cons 5. Equi 6. Prov	al/Final Project Awar struction Complete pment Installation Co e Out Begins e Out Complete				Dec 01/Apr 0 Not Applicab Aug 02 Not Applicab Not Applicab	<u>le</u> l <u>e</u>	

Yuma Proving Ground and Aberden Test Center perform and report results of production accewptance test for various ammunition end items. The funds at Aberdeen will be used for environmental emulation for simulated exposure and digital data acquisition equipment. At Yuma funds will replace reggedized instrumentation van housing instrumentation used to collect pressure, velocity, fuze time, recoil and infrared tracking instruments and portable digital radiography equipment to x-ray test projectiles and unexploded ordnance.

Exhi	ibit P-40	, Budge	t Item J	ustifica	tion Sho	eet	D	ate:	J	Tune 2001		
Appropriation/Budget Acti Procurement of Ammunition, A		ION PRODUCTIO	ON BASE SUPPOF	RT		P-1 Item Nom LAY		INDUSTRIAL	FACILITIES (	(EP2000)		
Program Elements for Code	e B Items:			Code:	Other Relat	ed Program El	ements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog
Proc Qty												
Gross Cost	551.5	23.2	10.6	3.2	13.8							
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	551.5	23.2	10.6	3.2	13.8							
Initial Spares												
Total Proc Cost	551.5	23.2	10.6	3.2	13.8							
Flyaway U/C												
Wpn Sys Proc U/C												

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This line provides for the preserving, storing, and disposing of industrial facilities and equipment that are no longer required to support current production. Funding is required for decontamination (\$12.2M in FY02), Layaway (\$0.1M in FY 02), and Modified Caretaker (\$1.5 in FY 02).

#### Justification:

Funds are used for the protection and preservation of equipment and facilities no longer required for active production but must be retained for possible future peacetime or replenishment production needs. Included are those funds needed to cover the packaging, crating, handling, and transportation (PCH&T) costs for moving equipment to a disposal point or storage site, decontamination, and plant clearance requirements.

**Exhibit P-40C, Budget Item Justification Sheet** 

Date:

June 2001

Appropriation/Budget Activity/Serial No:
Procurement of Ammunition, Army /2/AMMUNITION PRODUCTION BASE SUPPORT

P-1 Item Nomenclature

LAYAWAY OF INDUSTRIAL FACILITIES (EP2000)

Program Elements for Code B Items:

Code:

Other Related Program Elements:

<b>Location</b>	Project Title	<u>Project</u>	<u>FY 02</u>	<u>FY 03</u>	
Badger Army Ammunition Plant Baraboo, Wisconsin	Downsize (DS) - Disposal of Facilities	8104	1.860	0.000	
Indiana Army Ammunition Plant Charlestown, Indiana	Downsize (DS) - Liquidation/Disposal of Facilities	8105	2.365	0.000	
Iowa Army Ammunition Plant Middletown, Iowa	Downsize (DS) - Transition Line 5A to Modified Caretaker	8028	0.000	0.000	
Iowa Army Ammunition Plant (AAP), Milan AAP, Lone Star AAP, Pine Bluff Arsenal	Retain (RT) - Layaway (Lwy) and Downsize (DS)Minor Efforts less than \$75K	8000	0.129	0.000	
Joliet Army Ammunition Plant Joliet, Illinois	Downsize (DS) - Disposal of Facilities/Removal of Safety Hazards from Foundations	8216	2.950	0.000	
Kansas Army Ammunition Plant Parsons, Kansas	Downsize (DS) - Appraisal Prior to Sale of Property	8215	0.000	0.000	
Lone Star Army Ammunition Plant Texarkana, Texas	Downsize (DS) - Transition Excess Equipment to Modified Caretaker - Area C	8315	0.000	0.000	
Longhorn Army Ammunition Plant Marshall, Texas	Downsize (DS) - Remove Unsafe Buildings	8026	0.000	0.000	
Milan Army Ammunition Plant Milan, Tennessee	Downsize (DS) - Transition Excess Mortar Capability to Modified Caretaker.	8305	0.000	0.000	

Exhibit P-40C, Budget Item Justification Sheet

Appropriation/Budget Activity/Serial No:
Procurement of Ammunition, Army /2/AMMUNITION PRODUCTION BASE SUPPORT

Program Elements for Code B Items:

Date:

June 2001

LAYAWAY OF INDUSTRIAL FACILITIES (EP2000)

Location	Project Title	<b>Project</b>	<u>FY 02</u>	FY 03	
Pine Bluff Arsenal Pine Bluff, Arkansas	Retain (RT) - Layaway Miscellaneous M825 Production Equipment and Facilities.	8011	0.000	0.000	
Pine Bluff Arsenal Pine Bluff, Arkansas	Downsize (DS) - Disposal of Excess Property	8815	0.000	0.000	
Radford Army Ammunition Plant Radford, Virginia	Retain (RT) - Layaway/Caretaker of Miscellaneous Facilities	8219	0.000	0.000	
Radford Army Ammunition Plant Radford, Virginia	Downsize (DS) - Transition to Modified Caretaker Horseshoe Area - C Line	8309	1.281	0.000	
Ravenna Army Ammunition Plant Ravenna, Ohio	Downsize (DS) - Decontaminate/Dispose of Excess Facilities	8114	3.781	0.000	
Sunflower Army Ammunition Plant Desoto, Kansas	Downsize (DS) - Thermally Decompose Underground Sewers	8608	0.000	0.000	
Twin Cities Army Ammunition Plant Arden Hills, Minnesota	Downsize (DS) - Decontamination/Disposal of Facilities	8211	0.000	0.000	
Volunteer Army Ammunition Plant Chattanooga, Tennessee	Downsize (DS) - Environmental Efforts for Disposal	8510	1.449	0.000	
	Total		13.815	0.000	

Exh	ibit P-40	, Budge	t Item J	ustifica	eet	D	Date: June 2001							
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army /2/AMMUNITION PRODUCTION BASE SUPPORT							P-1 Item Nomenclature  MAINTENANCE OF INACTIVE FACILITIES (EP1500)							
Program Elements for Code B Items:				Code:	Other Relat	Other Related Program Elements:								
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog		
Proc Qty														
Gross Cost	390.4	14.3	13.6	12.2	10.8									
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc (P-1)	390.4	14.3	13.6	12.2	10.8									
Initial Spares														
Total Proc Cost	390.4	14.3	13.6	12.2	10.8									
Flyaway U/C														
Wpn Sys Proc U/C														

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

This line provides for the maintenance of laidaway portions of active plants, care and maintenance of laidaway plants, and the storage, protection, and maintenance of laidaway Government-owned equipment being stored on-site at contractor-owned plants. Detailed budget estimates, by location, are provided on the Program Cost Breakdown(P-5). The following is a summary of funds required:

(1) Inactive Production Lines/Areas at Active Plants (FY 02 - \$3.7M)

(2) Inactive Production Lines/Areas at Inactive Plants (FY 02 - \$7.1M)

#### Justification:

Funds are used for the maintenance of laidaway ammunition industrial facilities to include utilities, buildings, nonseverable equipment, plant equipment, special tooling, and special test equipment being retained as part of approved plant equipment packages (PEPs) which are required to support future replenishment requirements. Also, includes a fair share of the recurring overhead costs such as grounds maintenance, fire protection, plant security, and administrative support.

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/B Procurement o AMMUNITIO	f Ammunition		RT	P-1 Line Item Nomenclature: MAINTENANCE OF INACTIVE FACILITIES (EP1500)				Weapon System	Туре:	Date: June 2001		
<b>AMMO</b> ID	D <b>FY 00</b>			FY 01			FY 02			FY 03			
Cost Elements CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	
	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	
INACTIVE LINES AT ACTIVE PLANTS													
Crane Army Ammunition Activity	78			79			80						
Holston Army Ammunition Plant (AAP)	1756			1705									
Iowa AAP	476			320			502						
Lone Star AAP	270			270			250						
McAlester AAP	434			442			450						
Milan AAP	241			166			150						
Pine Bluff Arsenal	700			700			700						
Radford AAP	1729			1500			950						
Seneca/Hawthorne Army Depot	33			528			655						
SUBTOTAL	5717			5710			3737						
INACTIVE PLANTS													
Badger AAP	1076			750			950						
Cornhusker AAP	50			50			20						
Indiana AAP	887			300			300						
Joliet AAP	84			86			170						
Longhorn AAP	250			422			400						
Louisiana AAP	1000			800			800						
Mississippi AAP	787												
Ravenna AAP	300			150			125						
Riverbank AAP	956			831			1100						
Scranton AAP	272			224									
Sunflower AAP	600			737			1180						
Twin Cities AAP	288			210			220						
Volunteer AAP	1320			1885			1800						
SUBTOTAL	7870			6445			7065						
Total	13587			12155			10802						

Exh	nibit P-40	, Budge	t Item J	ustifica	eet	D	Date: June 2001							
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army /2/AMMUNITION PRODUCTION BASE SUPPORT							P-1 Item Nomenclature CONVENTIONAL AMMO DEMILITARIZATION (EP1800)							
Program Elements for Code B Items:				Code:	Other Relat	Other Related Program Elements:								
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog		
Proc Qty														
Gross Cost	541.3	82.3	83.5	84.0	73.2									
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc (P-1)	541.3	82.3	83.5	84.0	73.2									
Initial Spares														
Total Proc Cost	541.3	82.3	83.5	84.0	73.2									
Flyaway U/C														
Wpn Sys Proc U/C														

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The conventional ammunition demilitarization program funds the disposal, demilitarization and resource recovery and recycling of conventional ammunition. This program also funds the movement of ammunition and technical support for demilitarization projects at various installations, and the commercial contracts for resource recovery/demilitarization of excess, obsolete and unserviceable ammunition. Safety demilitarization is also funded for those ammunition assets that have become unsafe for continued storage.

#### Justification:

As of 30 September 1999, the conventional ammunition demilitarization account contained over 464,994 short tons of ammunition, a decrease of 28,259 short tons from the 30 September 1999 total of 493,253. Most of the decrease was caused by shipments in support of the indefinite delivery/indefinite quantity contract (shipped to contracting facility but not yet demilitarized). Over the next 5 years, an estimated 244,000 short tons of ammunition is forecasted to go into the demilitarization account. During this time, the demilitarization account is expected to increase due to the higher cost to demilitarize ammunition and the expected decrease or elimination of open burning and open detonation demilitarization methods. It is important to demilitarize as much ammunition as possible each fiscal year in order to free up storage space in the depots and for safety considerations (as propellants become older, they become more unstable). At current rates of \$25.55 per ton, the demil backlog costs the DoD \$13.2 million annually to maintain an obsolete stockpile of marginal value. The funding levels proposed at this time are adequate to minimize the worst impacts of the ammunition demilitarization inventory. As the execution agent for demilitarization of ammunition from all Services, the Army continues to demonstrate a strong commitment to reduce the backlog and provide demilitarization support for ammunition being generated into the demilitarization account.

Exhibit P-5, Weapon Appropriation/Budget Activity/Serial No. P-1 Line Item Nomenclature: Weapon System Type: Date: AMMO Cost Analysis June 2001 Procurement of Ammunition, Army / 2 / CONVENTIONAL AMMO DEMILITARIZATION (EP1800) AMMUNITION PRODUCTION BASE SUPPORT **AMMO** ID FY 01 FY 02 FY 03 FY 00 **Cost Elements** CD TotalCost Qty UnitCost TotalCost Qty UnitCost TotalCost Qty UnitCost TotalCost Qty UnitCost \$000 Tons \$000 \$000 \$000 \$000 Tons \$000 \$000 \$000 Tons Tons HC MUNITIONS/BULK HC 291 105 CP WP/PWP 1539 1829 RIOT CONTROL CR CS SMOKES,HC,COLORS,FS 795 210 DU 944 DEP URANIUM/TUNGSTEN CARBIDE 409 638 1272 772 1311 743 INCENDIARY/THERMITE FΙ 529 112 45 PYROTECHNICS/ILLUMINATION/NON FRAG FP 2896 1460 7543 2760 1868 1230 HE COMPONENTS/DEVICES HA 1768 1189 797 1353 ΗВ 584 HE BOMBS 3442 2218 2754 4026 506 HC 6077 5822 1579 2038 HE CARTRIDGES 5214 2755 HD HE EXPLOSIVE D 803 395 1013 1126 3388 5011 BULK HIGH EXPLOSIVES HE HE GRENADES HG 253 93 HE DEPTH CHARGES ΗН 1428 2594 431 2968 3234 2156 13876 12363 HE ICM/CBU AND SUBMUNITIONS WTV НІ 8375 12849 19795 15727 22 HE MISSILES HM 44 186 55 HE PROJECTILES AND WARHEADS HP 737 1610 2497 4328 5452 9702 HE ROCKETS HR **TORPEDOES** ΗТ 562 750 DEMOLITION MATERIAL HX 66 59 HE LAND MINES HZ172 146 438 3836 4796 **INERT** 2407 1191 2285 LARGE ROCKET MOTORS LR PB BULK PROP 2792 4191 4206 1238 4831 1135 PROPELLANT CHARGES AND INCREMENT PC 14672 15354 9456 8232 6932 5498 PROPELLANT MUNITIONS/COMPONENTS PD 984 883 304 271 2012 2078 SA 2191 5834 1505 379 359 SMALL ARMS AMMO THRU 20MM 1078 INCINERABLE MUNITIONS SC 151 244 1511 1102 SF **FUZES** 884 1625 1627 645 MU 31575 20839 MULTIPLE FAMILY 6958 9501 1200 3959 NO FAMILY Ν OCONUS DEMIL OC 1750 500 4655 4500 7323 1500 83503 84020 73225 Total

Exh	ibit P-40	, Budge	t Item J	ustifica	eet	Date: June 2001								
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army /2/AMMUNITION PRODUCTION BASE SUPPORT							P-1 Item Nomenclature ARMS INITIATIVE (EP2500)							
Program Elements for Code B Items:				Code:	Other Relat	Other Related Program Elements:								
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Prog		
Proc Qty														
Gross Cost	216.2	10.1	26.8	19.5	4.7									
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc (P-1)	216.2	10.1	26.8	19.5	4.7									
Initial Spares														
Total Proc Cost	216.2	10.1	26.8	19.5	4.7									
Flyaway U/C														
Wpn Sys Proc U/C														

PLEASE NOTE: This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.

The Armament Retooling and Manufacturing Support (ARMS) Initiative reuses idle capacity at active and reserve Government-owned, contractor-operated (GOCO) ammunition facilities through commercialization. Congress enacted this program in the Fiscal Year (FY) 1993 Defense Authorization Act, Public Law (PL) 102-484. ARMS uses financial incentives, such as facility strategic reuse plans; marketing plans; building modification; equipment relocation, alteration, or consolidation; environmental baseline studies; and loan guarantees. ARMS objectives include reducing facility operating/ownership costs, lowering facility maintenance, providing opportunities for small businesses, retaining critical skills, and sustaining economic development.

#### **Justification:**

The Army's ammunition industrial manufacturing base is unique. It involves hazardous/explosive material processing and handling, represents a large investment, and requires critical skills. In 1990 to meet the peacetime and replenishment concept to attract Government (defense and non-defense) and commercial subcontractors to GOCO ammunition facilities met with little success. The ARMS program became the catalyst to commercialize active and reserve ammunition facilities meeting these challenges. ARMS represents a tool that allows the Army to manage the ammunition infrastructure as a commercial business - improves process/product efficiencies by reducing overhead; enhances competition for ammunition products and ammunition facility management. This management concept has allowed ammunition producers to apply overhead costs across multiple contracts and become competitive in both government and commercial production within the same facility. Foremost, ARMS becomes a critical tool to reshape the base supporting the needs of the Army of the Future while optimizing an existing industrial assets.

Exhibit P-5, Weapon AMMO Cost Analysis		Appropriation/Budget Activity/Serial No.  Procurement of Ammunition, Army / 2 /  AMMUNITION PRODUCTION BASE SUPPORT					P-1 Line Item Nomenclature: ARMS INITIATIVE (EP2500)				Гуре:	Date: June 2001	
AMMO	ID	FY 00			FY 01				FY 02		FY 03		
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Financial Incentives Environmental Baselines Loan Guarantees Administrative Support		24279 800 1700			18272 871 395			3631 870 200					
TOTAL		26779			19538			4701					
		20119			17550			4/01					
Active and reserve Army Ammunition Plants are currently participating in the Armament, Retooling, and Manufacturing Support (ARMS) initiative and eligible to receive the incentives. As the Army continues to adjust its ammunition industrial base configuration under the Production Base Assessment, facility eligibility may change. This requires transition and other business strategies to be developed for the ARMS Program.													
Total		26779			19538			4701					