DEPARTMENT OF THE ARMY

Procurement Programs



Committee Staff Procurement Backup Book Fiscal Year (FY) 2009 Overseas Contingency Operations Supplemental Request

PROCUREMENT OF AMMUNITION, ARMY

APPROPRIATION

UNCLASSIFIED DEPARTMENT OF THE ARMY

FY 2009 PROCUREMENT PROGRAM FY 2009 OCO Supplemental Request

APPROPRIATION SUMMARY

APPROPRIATION: Procurement of Ammunition, Army ACTIVITY: 01 Ammunition

711 1 1101 1	Antion. I rosalement of Authoritation, Author Activities of Authoritation		DOLL ARS	S IN THOUSANDS	
LINE NO	LINE NOMENCLATURE	ID	FY09 OCO	ENACTED BRIDGE	REMAINING
	SMALL/MEDIUM CALIBER AMMUNITION				
1	CTG, 5.56MM, ALL TYPES (E00700)	Α	3,000		3,000
2	CTG, 7.62MM, ALL TYPES (E02000)	Α	8,600		8,600
4	CTG, .50 CAL, ALL TYPES (E08000)	Α	56,600		56,600
7	CTG, 30MM, ALL TYPES (ER8120)	Α	10,000		10,000
8	CTG, 40MM, ALL TYPES (ER8001)	Α	25,750		25,750
	SUB-ACTIVITY TOTAL		103,950		103,950
	ARTILLERY AMMUNITION				
17	PROJ 155MM EXTENDED RANGE XM982 (E80100)	В	35,000		35,000
18	MODULAR ARTILLERY CHARGE SYSTEM (MACS) (E27501)	Α	20,000		20,000
	SUB-ACTIVITY TOTAL		55,000		55,000
	ROCKETS				
23	SHOULDER FIRED ROCKETS, ALL TYPES (EA4000)	Α	20,000		20,000
24	ROCKET, HYDRA 70, ALL TYPES (E34000)	Α	26,000		26,000
	SUB-ACTIVITY TOTAL				
			46,000		46,000

UNCLASSIFIED DEPARTMENT OF THE ARMY

FY 2009 PROCUREMENT PROGRAM FY 2009 OCO Supplemental Request

	PRIATION SUMMARY PRIATION: Procurement of Ammunition, Army ACTIVITY: 01 Ammunition				
) LINE NOMENCLATURE	ID	DOLLARS FY09 OCO	IN THOUSANDS ENACTED BRIDGE	REMAINING
	OTHER AMMUNITION				
25	DEMOLITION MUNITIONS, ALL TYPES (E55400)	Α	525		525
26	GRENADES, ALL TYPES (E34000)	Α	10,000		10,000
28	SIMULATORS, ALL TYPES (E51200)	Α	3,000		3,000
	SUB-ACTIVITY TOTAL		13,525		13,525
	MISCELLANEOUS				
30	NON-LETHAL AMMUNITION, ALL TYPES (E91901)	В	48,300	46,500	1,800
	SUB-ACTIVITY TOTAL		48,300	46,500	1,800
	ACTIVITY TOTAL		266,775	46,500	220,275
APPROF	PRIATION: Procurement of Ammunition, Army ACTIVITY: 02 Ammunition Pro	oduction Base Support			
	PRODUCT BASE SUPPORT				
39	CONVENTIONAL MUNITIONS DEMILITARIZATIONS, ALL TYPES (EP1700	0)	9,800		9,800
	SUB-ACTIVITY TOTAL		9,800		9,800
	ACTIVITY TOTAL		9,800		
	APPROPRIATION TOTAL		276,575	46,500	230,075

Table of Contents - Procurement of Ammunition, Army

BLIN	SSN	Nomenclature	Page
001	E00700	CTG, 5.56MM, ALL TYPES	1
002	E02000	CTG, 7.62MM, ALL TYPES	8
004	E08000	CTG, .50 CAL, ALL TYPES	15
007	ER8120	CTG, 30MM, ALL TYPES	
008	ER8001	CTG, 40MM, ALL TYPES	
017	E80100	PROJ 155MM EXTENDED RANGE XM982	49
018	E27501	Modular Artillery Charge System (MACS), All Types	56
023	EA4000	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	63
024	E37300	ROCKET, HYDRA 70, ALL TYPES	73
025	E55400	DEMOLITION MUNITIONS, ALL TYPES	
026	E34000	GRENADES, ALL TYPES	91
028	E51200	SIMULATORS, ALL TYPES	102
030	E91901	Non-Lethal Ammunition, All Types	109
039	EP1700	Conventional Munitions Demilitarization, All Types	117

	ciii gustiiicati	on Sheet						Date:	March 2009	
Appropriation / Budget Activity / Se Procurement of Ammunition, Arm	rial No: y / 1 / Ammunition			P-1			00700)			
Program Elements for Code B Items:		Code:	Othe	er Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				3.0						3.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				3.0						3.0
Initial Spares										
Total Proc Cost				3.0						3.0
Flyaway U/C										
Weapon System Proc U/C					P-1 Item Nomenclature CTG, 5.56MM, ALL TYPES (E00700) P-1 Item CTG, 5.56MM, ALL					
OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**: FY 2009 Remaining OCO Request:	OEF \$1.800 Million \$0.000 Million \$1.800 Million	Total \$1.200 Mill \$0.000 Mill \$1.200 N	ion \$3.000 ion \$0.00 Iillion \$3.0	O Million Million 000 Million						

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	nmuniti			menclature: ALL TYPES (E00'	700)		Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG 5.56MM AP, M955, SINGLE ROUND									3000	1928	1.56
Total:									3000		

Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /					P-1	Item Nomencla CTG, 5.56N	nture MM AP, M995 SING	LE ROUND (F510	001)		
Program Elements for Code B Items:		Code:		Other Rela	ated Program l	Elements:					
	Prior Years	FY 2007	FY 2	2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					1928						1928
Gross Cost					3.0						3.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					3.0						3.0
Initial Spares											
Total Proc Cost					3.0						3.0
Flyaway U/C											
Weapon System Proc U/C											
Description:											

The M995 5.56mm Armor Piercing Cartridge consists of a tungsten carbide penetrator in a jacketed projectile, a brass cartridge case and propelling charge. The tungsten core penetrator provides penetration greater than a typical ball projectile and is capable of defeating lightly armored vehicles. The single round configuration is used in the M4 Carbine and M16 Rifle. This item is Code A, approved for service use.

Justification:

This is a war reserve item used in combat. FY 2009 OCO procurement builds a war reserve inventory in accordance with the Army's procurement goals.

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$3.0 million) procures an additional 1.928 million cartridges. This requirement is based on operational expenditures and supports approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: February 1996

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	mmuniti			omenclature: AP, M995 SINGLE	E ROUND (F5100	01)	Weapon Syste	em Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY 2009 OCO HARDWARE											
LOAD, ASSEMBLE AND PACK									157	1928	0.08
M995 5.56MM ARMOR PIERCING PENETRATOR									2637	1928	1.3
BOX METAL M2A1									26	5 2	11.18
H/W SUBTOTAL									2820)	
PRODUCTION SUPPORT											
PRODUCTION ENGINEERING									180)	
PROD SUPPORT SUBTOTAL									180)	
Total:									3000)	1.50

Exhibit P-5a, Budget Procureme	nt History and Planning							oate: Iarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:	P-1 Line Item CTG, 5.56MN	Nomenclature: 1 AP, M995 SINGLE ROUNI	O (F51001)						
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
FY 2009 OCO HARDWARE										
LOAD, ASSEMBLE AND PACK										ł
FY 2009	TO BE SELECTED	OTHER	ROCK ISLAND, IL	Aug 09	Jun 10	1928	0.08	Y		
M995 5.56MM ARMOR PIERCING PENETRATOR										
FY 2009	NORDIC AMMUNITION CO/NAMMO KARLSBORG, SWEDEN	SS/OPT	ROCK ISLAND, IL	Aug 09	May 10	1928	1.37	Y		
BOX METAL M2A1										l
FY 2009	BWAY CORPORATION ATLANTA, GA	C/OPT	ROCK ISLAND, IL	Aug 09	Mar 10	2	11.18	Y		

REMARKS: OTHER - COMPETITION STRATEGY IS BEING FINALIZED.

		F	Y 09 /	10 BU	DGE'	T PRO	ODU	CTIO	N SCI	HEDU	LE				M NOME 56MM A			E ROU	ND (F51	001)			Da	te:	March	2009				
	C	OST	ELEM	IENTS	}]	Fiscal Ye	ar 09	ı										Fiscal '	Year 10	,					
		S	PROC	ACCEP										Calenda	r Year 0	19								Cale	ndar Ye	ar 10				
M		Е	QTY	PRIOR	DUE				_					T .										1 .	T					
F R	FY	R V	x1000	TO 1 OCT	AS OF 1 OCT		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	Later
LO	AD, AS	SEMBL	E AND F	PACK																										
	FY 09 OCO	A	1.93	0.00	1.93	3										A										0.30	0.23	0.30	0.30	0.80
							1	 						1																
								+																		+		 		
								1																		\vdash				
								 																						
								+																	 	+-				
								+																		\vdash				
Tot	al		1.93		1.93	3		<u> </u>																	<u> </u>	0.30	0.23	0.30	0.30	0.80
						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	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								PRODU	JCTION	RATES						A	DMIN L	EAD T	IME		MFR		TOT	AL	REMA	RKS				
F											Reache	d MF	R			Pri	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct						
R				ne - Locati	on			MIN	1-8-5	MAX	D+	1	Init	ial			6		6		10		16	5						
1	TO BE	SELEC	CTED						1.50	4.00			_	order			6		6		10		16	5						
													Init	ial											_					
													Red	order											_					
													Init												_					
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											+		Init	rial order				-				_			4					
	1						1			1		1	IRec	raer		1		1		1					1					

		F	Y 11 /	12 BU	DGE	T PRO	ODUC	CTIO	N SCI	HEDUI	LE .				I NOME 6MM AF			E ROUN	ND (F51	001)			Da	te:	March	2009				
	C	OST	ELEM	IENTS						F	iscal Yea	r 11											Fiscal Y	Year 12	,					
м		S E	PROC QTY	ACCEP PRIOR									C	alendar	Year 1	1								Cale	ndar Ye	ar 12				-
M F R	FY	R V	x1000		AS OF 1 OCT	O C	N O	D E	J A	F E			M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U G	S E	Later
						T	V	E C	N	В	R	R	Y	N	L	G	P	T	V	C	A N	E B	R	R	A Y	N	L	G	P	Latter
			E AND F			1			1		-	- 1				1	1							1	ı		1	1		
	FY 09 OCO	A	1.93	1.13	0.80	0.30	0.30	0.20																						0.00
														_																
			1.02		0.80	0.20	0.20	0.20						\longrightarrow	\longrightarrow															
Tot	al		1.93	1.13	0.80		0.30			-							~			-	_	-		<u> </u>			-			
						O C T	N O V	D E C	J A N	F E B	A	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	A P R	M A Y	J U N	J U L	A U G	S E P	
M]	PRODU	CTION	RATES						A	DMIN L	EAD T	IME	1	MFR		TOT	AL	REMA	RKS				
F											Reached	MFR				Pric	r 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct						
R	-			e - Locati	on		N	MIN	1-8-5	MAX	D+	1	Initia	ıl			6		6		10		16	i						
1	TO BE	E SELEC	CTED						1.50	4.00			Reor				6		6		10		16	i						
													Initia	ıl																
													Reor	der																
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	1												Reor																	
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													Reor	der											1					
												4	Initia												1					
										1			Reor	der		1				1					1					

Exhibit P-40, Budget Item	Justification	Sheet					Ι	Date:	March 2009	
Appropriation / Budget Activity / Seri. Procurement of Ammunition, Army /				P-1	Item Nomencla CTG, 7.62N	nture MM, ALL TYPES (E	02000)			
Program Elements for Code B Items:		Code:	Oth	ner Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	8 FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				8.6						8.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				8.6						8.6
Initial Spares										
Total Proc Cost				8.6						8.6
Flyaway U/C										
Weapon System Proc U/C										
1	OEF 160 Million 000 Million 65.160 Million tions (OCO) reque	Total \$3.4400 Million \$0.000 Million \$3.4400 Million est procures addures an addition	n \$0.00 M llion \$8.6	500 Million ets to prosecute the C	PCO by resetting requirement is	g items, replacin based on opera	ng battle losses, tional expenditu	generating and pres and support	protecting forces, s approved Army	and enhancing ammunition

Exhibit P-5, Weapon AMMO Cost Analysis Appropriation/Budget Activity/Seria Procurement of Ammunition, Arm	al No: ny / 1 / Ammunit			menclature: ALL TYPES (E020	000)		Weapon System	m Type:	Date:	March 2009
AMMO	ID		FY 07			FY 08			FY 09	
Cost Elements	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG 7.62MM M80 BALL SINGLE RD CTN + CLIP								3000	2611	1.15
CTG 7.62MM ARMOR PIERCING M993								4000	2184	1.91
CTG 7.62MM AP M933 SINGLE ROUND								1600	716	2.24
Total:								8600	,	

Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /					P-1	Item Nomencla CTG 7.62M	ature IM ARMOR PIERC	ING M993 (F4750	0)		
Program Elements for Code B Items:		Code:	1	Other F	Related Program	Elements:					
	Prior Years	FY 2007	FY	2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					2184						2184
Gross Cost					4.0						4.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					4.0						4.0
Initial Spares											
Total Proc Cost					4.0						4.0
Flyaway U/C											
Weapon System Proc U/C											
D 1.4						•	•	•	<u> </u>		

Description:

The M993 7.62mm Armor Piercing (AP) cartridge is designed for use in the M240 Machine Gun and the M24 Sniper Weapon. The cartridge consists of a projectile and a propelling charge contained in a brass cartridge case to which the projectile is secured. The projectile consists of a tungsten core penetrator, which is enclosed by metal jacket. The armor penetrating capabilities provide for a cartridge that can defeat lightly armored targets within typical medium machine gun engagement ranges. The item is Code A, approved for service use.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$4.0 million) procures an additional 2.184 million cartridges. This requirement is based on operational expenditures and supports approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: FEBRUARY 1996

Exhibit P-5, Weapon AMMO Cost Analysis Appropriation Procureme	on/Budget Activity/Serial No: nt of Ammunition, Army / 1 / Ammuniti			omenclature: RMOR PIERCIN	G M993 (F47500))	Weapon Syste	m Type:	Date:	March 2009
AMMO	ID		FY 07			FY 08			FY 09	
Cost Elements	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY 2009 OCO										
AMMUNITION HARDWARE										
LOAD, ASSEMBLE, PACK								597	2184	0.2
M993 7.62MM AP PENETRATOR								3403	1747	1.9
H/W SUBTOTAL								4000		
Total:								4000)	1.9

Exhibit P-5a, Budget Procureme	nt History and Planning							ate: Iarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:		Nomenclature: I ARMOR PIERCING M993 (I	F47500)						
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	RFI Issu Dat
FY 2009 OCO LOAD, ASSEMBLE, PACK FY 2009	TO BE SELECTED	OTHER	ROCK ISLAND, IL	Aug 09	Jun 10	2184	0.27	Y		
M993 7.62MM AP PENETRATOR FY 2009	Nordic Ammo Co (NAMMO) Karlsborg, Sweden	SS/OPT	PICATINNY, NJ	Jul 09	May 10	1747	1.95	Y		

REMARKS: OTHER - COMPETITION STRATEGY IS BEING FINALIZED.

			ST ELEMENTS Fiscal Year 09																											
		F	Y 09 /	10 BU	DGE'	T PRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN CTG 7.6				IG M99	3 (F4750	00)			Da	te:	March	2009				
	C	OST 1	ELEM	IENTS]	Fiscal Y	ear 09											Fiscal '	Year 10)					
M		S												Calenda	ır Year ()9								Cale	ndar Ye	ar 10				
F R	FY	R V	-	ТО	AS OF	C	О	E	A	E	A	P	A	U	J U	A U	S E	O C	N O	D E	J A N	F E B	M A	A P	M A Y	J U	J U	A U G	S E	Later
		ELE	E D. CV			T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
			E, PACK 2.18	0.00	2.18	, I	1	1							ı	A	1 1			l			I	1	I	0.20	0.20	0.20	0.20	1.38
	FY 09 OCO	A	2.10	0.00	2.10	Ì										A										0.20	0.20	0.20	0.20	1.36
																												-		
																														
			2.18		2.18	,																				0.20	0.20	0.20	0.20	1.38
Tota	ıl		2.10		2.10	0	N	D	J	F	M	Λ.	M	J	J	Δ.	S	0	N	D	J	F	M		M	J	J.		S	1.36
						C T	O V	E C	A N	E B	A R	A P R	A Y	U N	U L	A U G	E P	C T	O V	E C	A N	E B	A R	A P R	A Y	U N	U L	A U G	E P	
M								PRODU	ICTION I	RATES						A	ADMIN I	LEAD T	IME		MFR		TOT	AL	REMA					
F											Reach	ed M	FR			Pri	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct		After 1	Oct				RIXED P CONTRA		TTEM
R				e - Locati	on]	MIN	1-8-5	MAX	D+		In	tial			2		6		10		16	5						
1	TO BE	SELEC	CTED						1.50	4.00				order			2		6		7		13	3						
														tial																
														order																
														tial																
														order																
											tial											4								
											1	+	_	order				-							4					
											+	-	_	order				1							4					

		F	Y 11 /	12 BU	DGET	Γ PR()DUC	CTIO	N SCI	HEDU	LE			P-1 ITEN CTG 7.6				G M993	3 (F4750	00)			Dat	te:	March	2009					
	C	OST 1	ELEM	IENTS	}						Fiscal Y	ear 11		<u> </u>									Fiscal Y	Year 12							
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	1								Cale	ndar Ye	ar 12					
F R	FY	R V	x1Mil		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	Later	
LO	AD. ASS	SEMBL	E, PACK							I							l I										l				_
1	FY 09 OCO	A	2.18		1.38	0.20	0.20	0.20	0.20	0.20	0.20	0.18		$\overline{\mathbf{I}}$																0.00	
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Tota	al		2.18	0.80	1.38	0.20	0.20	0.20	0.20	0.20	0.20	0.18																			
						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		
M							J	PRODU	CTION	RATES						Α	DMIN L	EAD T	IME		MFR		TOT	AL	REMA						
F											Reach	ed Mi	FR			Pri	or 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct				RIXED I CONTR) ITEM	
R			Nan	ne - Locati	on		M	MIN	1-8-5	MAX	D+	1	l Ir	nitial			2		6		10		16	i							
1	TO BE	SELEC	CTED						1.50	4.00			R	eorder			2		6		7		13								
													Ir	nitial																	
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										Ir	nitial																				
								\longrightarrow					-	eorder											1						
								\longrightarrow			1	_	-	nitial											1						
										eorder				<u> </u>							4										
								-	nitial											4											
	1									1	1	- 1	R	.eorder				1							1						

Exhibit P-40, Budget I	tem Justification	Sheet					I	Date:	March 2009	
Appropriation / Budget Activity Procurement of Ammunition	/ Serial No: , Army / 1 / Ammunition			P-1	Item Nomencla	ature AL, ALL TYPES (E	08000)			
Program Elements for Code B It	ems:	Code:	Other 1	Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				56.6						56.
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				56.6						56.
Initial Spares										
Total Proc Cost				56.6						56.
Flyaway U/C										
Weapon System Proc U/C										
OI FY 2009 OCO Requirement: FY 2009 Bridge Enacted**: FY 2009 Remaining OCO Requ	\$33.960 Million \$0.000 Million	\$0.000 Mil	illion \$56.60 ion \$0.00 M Million \$56	lillion						

Exhibit P-5, Weapon AMMO Cost Analysis Appropriation/Budget Activity/Se Procurement of Ammunition, A	rial No: rmy / 1 / Ammunit		Line Item No G, .50 CAL,	omenclature: ALL TYPES (E08	3000)		Weapon Syste	m Type:	Date:	March 2009
AMMO	ID		FY 07			FY 08			FY 09	
Cost Elements	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
CTG CAL .50 LKD 4 API/1 API T/WM9 LINK								13800	4426	3.28
CTG CAL .50 4 BALL/1 TRACER W/M9 LINK								30000	11020	2.86
CTG CAL .50 SLAP M903 (SLAPT M962)								12800	1040	12.32
Total:								56600		

Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /					P-1	Item Nomencla CTG CAL .	nture 50 Linked 4 API/ 1 A	API Tracer w/M9 I	Link (E06903)		
Program Elements for Code B Items:		Code:		Other Relate	ed Program l	Elements:					
	Prior Years	FY 2007	FY 2	2008 F	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					4426						4426
Gross Cost					13.8						13.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					13.8						13.8
Initial Spares											
Total Proc Cost					13.8						13.8
Flyaway U/C											
Weapon System Proc U/C											
Description:											

This item consists of Cartridge, Armor Piercing Incendiary M8 and Cartridge, Tracer M20 linked 4-to-1 in 100-round belts with the M9 link for use in the M2 Machine Gun to defeat light armor targets. This item is Code A, approved for service use.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$13.8 million) procures an additional 4.426 million cartridges. This requirement is based on operational expenditures and supports approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: MID 1940'S

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	nmuniti		P-1 Line Item N CTG CAL .50 I		PI Tracer w/M9 Li	nk (E06903	Weapon Syste	em Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Co	ost Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY 2009 OCO HARDWARE											
LOAD, ASSEMBLE, PACK									13300	4426	3.00
BOX METAL M2A1									500	45	11.18
H/W SUBTOTAL									13800		
Total:									13800		3.28

Exhibit P-5a, Budget Procureme	ent History and Planning							Oate: March 200	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:		Nomenclature: Linked 4 API/ 1 API Tracer	w/M9 Link (E06	903)					
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 2009 OCO HARDWARE										
LOAD, ASSEMBLE, PACK										
FY 2009	TO BE SELECTED	OTHER	ROCK ISLAND, IL	Aug 09	May 10	2966	3.00	Y		
FY 2009	GENERAL DYNAMICS ORD & TAC SYS ST PETERSBURG, FL	SS/FP	ROCK ISLAND, IL	Aug 09	May 10	1461	3.00	Y		
BOX METAL M2A1										l
FY 2009	BWAY CORPORATION ATLANTA, GA	C/OPT	ROCK ISLAND, IL	Oct 09	Apr 10	36	11.18	Y		
FY 2009	BEST FOAM FAB CHICAGO, IL	C/OPT	ROCK ISLAND, IL	Oct 09	Apr 10	9	11.18	Y		

REMARKS: OTHER - COMPETITION STRATEGY IS BEING FINALIZED. FY 2009 LOAD, ASSEMBLE, PACK AND BOX METAL M2A1 IS AN AVERAGE UNIT COST FOR MULTIPLE PRODUCERS.

		F	Y 09 /	10 BU	DGE	ΓPRO)DUC	CTIO	N SCI	HEDU	LE			P-1 ITEM CTG CAL				I Trace	r w/ M 9 l	Link (E0	06903)		Dat	e:	March 2	2009				
	C)ST	EL.EN	IENTS							Fiscal Yea	r 09								`			Fiscal Y	Zear 10					$\overline{}$	
				LLIVID																										
М		S E	PROC QTY	ACCEP PRIOR	BAL DUE								C	Calendar	Year 0	9								Cale	ndar Yea	r 10				
F R	FY	R V	x1Mil	TO 1 OCT	AS OF 1 OCT		N O V	D E C	J A N	F E B	A	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	A P R	M A Y	J U N	J U L	A U G	S E P	Later
.0.	AD, AS	SEMBL	E, PACK							<u> </u>	l .								l					ı			l			L.
	FY 09 OCO	A	1.46	0.00	1.46											A									0.12	0.12	0.12	0.12	0.12	0.86
	FY 09 OCO	A	2.97	0.00	2.97											A									0.25	0.25	0.25	0.25	0.25	1.72
7	000							-						-	-															
								+																						
															-															
Γota	al		4.43		4.43																				0.37	0.37	0.37	0.37	0.37	2.58
						O C T	N O V	D E C	J A N	F E B	A	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	A P R	M A Y	J U N	J U L	A U G	S E P	
M								PRODU	JCTION I	RATES						A	DMIN L	EAD TI	IME		MFR		TOT.	AL.	REMAI	RKS				
F											Reached	MFR				Pric	r 1 Oct	After	1 Oct	Aft	er 1 Oct	:	After 1	Oct						
R			Nan	ne - Locati	on		1	MIN	1-8-5	MAX	D+	1	Initia	al			6		9		9		18							
1		RAL D' RSBUR		CS ORD &	TAC SY	YS, ST			0.30	0.75		_	Reor				6		9		9		18		4					
2	1		IRG, FL						2	Initia			+	6		4		9		13		-								
												}	Initia				U		7		7		13		1					
													Reor		-															
													Initia	al											1					
													Reor	rder																
									-	Initia	al																			
							$-\!\!\!\!+\!\!\!\!\!\!\!\!+$				-	4	Reor	rder																

			E QTY PRIOR DUE																												
		F	FY 11 /	12 BU	DGE	Γ PR(DUC	CTIO	N SCI	HEDU	LE							I Trace	r w/M9	Link (E0	06903)		Da	te:	March	2009					
	C	OST	ELEM	IENTS	}						Fiscal Y	Year 11											Fiscal Y	Year 12	,						
M		S												Calenda	r Year 1	1	ļ							Cale	ndar Ye	ar 12					
F R	FY			TO	AS OF	C	О	E	A	E	A	P	A	U	U	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	Later	
LO	AD ASS	SEMBI	E PACK			1			IN	Б	K	K	1	11	L	U	Г	1	v	C	IN	ь	K	K	1	IN	L	u			_
	FY 09	A	1.46		0.86	0.12	0.12	0.12	0.13	0.12	0.12	0.13		\top																0.00	T
	осо									0.25	0.25																				
	FY 09	7Y 09 A 2.97 1.25 1.72 0.25 0.25 0.25 0.25 OCO <td>0.22</td> <td></td> <td>0.00</td> <td>-</td>										0.22																		0.00	-
	oco													+	\vdash												 	\vdash	-		1
														-																	1
																															1
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			4.42	1.05	2.50	0.25	0.27	0.25	0.20	0.05	0.25	0.25			igspace												<u> </u>	igwdown	<u> </u>		-
Tota	al		4.43	1.85	2.58	0.37	0.37	0.37	0.38	0.37	0.37	0.35		+	<u>لــِــا</u>		~			_		-					<u> </u>	<u> </u>	<u> </u>		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 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	U L	A U G	S E P		
M							I	PRODU	CTION	RATES						Α	DMIN I	EAD T	IME		MFR		TOT	AL	REMA	RKS					
F												hed M	FR			Prie	or 1 Oct	Afte	r 1 Oct	Aft	ter 1 Oct		After 1	Oct							
R	+			ne - Locatio			N	MIN	1-8-5	MAX	D-	÷ 1	l In	itial			6	+	9		9		18								
1		RAL D RSBUR		CS ORD &	TAC SY	S, ST			0.30	0.75			_	eorder			6		9		9		18								
2	TO BE						+	-+	1.15	3.96			_	itial			6	_	4		9		13		_						
_	TO BE	BLLL	CILD			\dashv	\rightarrow					_	eorder			6		4		9		13		_							
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											_	itial				1							1								
										_	_	eorder		-		1							1								
											itial				-							-									
	 						-+	-+		1	+	_	R	eorder																	

Exhibit P-40, Budget Item .	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /					P-1	Item Nomencla CTG CAL .	nture 50 4 BALL/1 TRAC	ER W/M9 LINK (E07200)		
Program Elements for Code B Items:		Code:		Other Rela	lated Program	Elements:					
	Prior Years	FY 2007	FY 2	2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					11020						11020
Gross Cost					30.0						30.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					30.0						30.0
Initial Spares											
Total Proc Cost					30.0						30.0
Flyaway U/C											
Weapon System Proc U/C											
Description:	•										

This item consists of Cartridge, Ball M33 and Cartridge, Tracer M17 linked 4-to-1 in 100-round belts with the M9 link for use in either the M2 or M3 Machine Gun. The tracer cartridge permits observation of the bullet's trajectory to the point of impact. This item is Code A, approved for service use.

Justification:

This is a training standard item used in both training and combat. FY 2009 procurement supports annual training and builds a war reserve inventory in accordance with the Army's procurement goals.

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$30.0 million) procures an additional 11.020 million cartridges. This requirement is based on operational expenditures and supports approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: 1968

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	nmuniti			menclature: BALL/1 TRACER	R W/M9 LINK (E	07200)	Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY 2009 OCO HARDWARE											
LOAD, ASSEMBLE, PACK									28755	11020	2.61
BOX METAL M2A1									1245	111	11.18
H/W SUBTOTAL									30000		
Total:									30000		2.80

Exhibit P-5a, Budget Procureme	ent History and Planning							Oate: Aarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:		Nomenclature: 0 4 BALL/1 TRACER W/M9	LINK (E07200)						
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
FY 2009 OCO HARDWARE										
LOAD, ASSEMBLE, PACK										1
FY 2009	TO BE SELECTED	OTHER	ROCK ISLAND, IL	Aug 09	May 10	7053	2.61	Y		
FY 2009	GENERAL DYNAMICS ORD & TAC ST. PETERSBERG	SS/FP	ROCK ISLAND, IL	Aug 09	May 10	3967	2.61	Y		
BOX METAL M2A1										1
FY 2009	BWAY CORPORATION ATLANTA, GA	C/OPT	ROCK ISLAND, IL	Oct 09	Apr 10	89	11.18	Y		
FY 2009	BEST FOAM FAB CHICAGO, IL	C/OPT	ROCK ISLAND, IL	Oct 09	Apr 10	22	11.18	Y		

REMARKS: OTHER - COMPETITION STRATEGY IS BEING FINALIZED. FY 2009 (LAP & BOX METAL M2A1) AVERAGE UNIT COST FOR MULTIPLE PRODUCERS.

		F	FY 09 /	10 BU	DGET	Γ PR(DUC	CTIO	N SCI	HEDU	LE			P-1 ITEN	M NOME AL .50 4 I			R W/M9	9 LINK	(E07200))		Dat	te:	March	2009				
	C	OST	ELEM	IENTS	,						Fiscal Y	ear 09)										Fiscal Y	Year 10	١					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	19								Cale	ndar Yea	ar 10				
F R	FY	R V	x1000		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	U	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	Later
LO	AD, AS	SEMBL	E, PACK			_			- 1	2						U	•	-	,		,					-,				
	FY 09 OCO	A	7.05	0.00	7.05											A									0.59	0.59	0.59	0.59	0.59	4.10
1	FY 09	A	3.97	0.00	3.97									-		A									0.33	0.33	0.33	0.33	0.33	2.32
	осо							-						+-	$\vdash \vdash$															
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Tota	al	l	11.02		11.02																				0.92	0.92	0.92	0.92	0.92	6.42
			II.	<u>I</u>		0	N	D	J	F	М	A	М	J	J	A	S	0	N	D	J	F	М	A	M	J	J	A	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	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
M							<u> </u>	PRODU	JCTION :	RATES							DMIN L	1		4	MFR		TOTA		REMA	RKS				
F							_					ed M				Pri	or 1 Oct	+	r 1 Oct	Af	ter 1 Oct		After 1							
R	1	DALD		ne - Locati		т.		MIN	1-8-5	MAX 2.83	D+		-	nitial			6	+	9		9		18							
1		RAL D RSBER		CS ORD &	: TAC, S	1.			1.13	2.63		<u> </u>		Reorder nitial			6		9		9		18		1					
2	TO BE	SELEC	CTED						1.13	2.83			_	Reorder			6	+	4		9		13							
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	1										1		F	Reorder																

E08000 (E07200) CTG CAL .50 4 BALL/1 TRACER W/M9 LINK Item No. 4 Page 11 of 16 25

Exhibit P-21 Production Schedule

		F	FY 11 /	12 BU	DGE	ΓPRC	DUC	CTIO	N SCI	IEDU	LE				M NOME AL .50 4 F			R W/M9	9 LINK ((E07200)		Dat	te:	March	2009					_
	CO	OST	ELEM	ENTS							Fiscal Y	ear 11											Fiscal Y	Year 12	,						ì
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ar Year 1	1	J							Cale	ndar Ye	ar 12					ı
F R	FY	R V	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	Later	l
LO	AD, ASS	SEMBL	E, PACK		<u> </u>								1		<u>.Ll</u>		I I						<u> </u>	<u> </u>	<u> </u>		<u> </u>				-
	FY 09 OCO	A	7.05	2.95	4.10	0.59	0.59	0.59	0.59	0.56	0.59	0.59																		0.00	_
	FY 09 OCO	A	3.97	1.65	2.32	0.33	0.33	0.33	0.33	0.33	0.33	0.34																		0.00	1
														4																	
														+-	+																
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														+	+																
Tot	al		11.02	4.60	6.42	0.92	0.92	0.92	0.92	0.89	0.92	0.93																			
						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		Ī
M							I	PRODU	ICTION I	RATES						A	DMIN L	EAD T	IME	1	MFR		TOTA	AL	REMA	RKS					
F												ned M				Pric	or 1 Oct		r 1 Oct	Aft	er 1 Oct		After 1								
R 1		DAL D	Nam YNAMIC	e - Locati		т	N	MIN	1-8-5	MAX 2.83	D+	-	-	nitial			6		9		9	_	18		-						
1	PETER			S OKD &	IAC, S	1.			****	2.00		-	-	deorder nitial		+	6		9		9	-	18								
2	TO BE	SELEC	CTED						1.13	2.83			⊢	leorder		+	6		4		9	-	13		1						
													-	nitial		+			-						1						
										<u> </u>			R	leorder	-	+							-								
							\dashv	$-\!$		<u> </u>	+		Iı	nitial											1						
							+	-		<u> </u>	+		R	teorder																	
							+				+		Iı	nitial																	
										1			R	eorder								1			1						

E08000 (E07200) CTG CAL .50 4 BALL/1 TRACER W/M9 LINK Item No. 4 Page 12 of 16 26

Exhibit P-21 Production Schedule

Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /					P-1 I	Item Nomencla CTG CAL	nture 50 LKD 4-SLAP M	903/1-SLAPT M9	5 (F88000)		
Program Elements for Code B Items:		Code:		Other Related Prog	ram E	Elements:					
	Prior Years	FY 2007	FY 20	008 FY 2009	9	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				1	040						1040
Gross Cost					12.8						12.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					12.8						12.8
Initial Spares											
Total Proc Cost					12.8						12.8
Flyaway U/C											
Weapon System Proc U/C											
Description:			•		•		•	•	•	•	

The Saboted Light Armor Penetrator (SLAP), M903 cartridge consists of a low-drag, tungsten-alloy penetrator encased in a lightweight plastic sabot loaded into otherwise conventional Caliber .50 cartridge components. The projectile assembly is launched at approximately 4000 feet per second and the sabot is discarded shortly after muzzle exit. The companion M962 SLAP-Tracer cartridge is similar in configuration to the M903 except that the penetrator has a cavity containing tracer mix. The M962 provides the precision of delivery necessary to take full advantage of the penetrator cartridge capability. This ammunition is used in the M2 Heavy Barrel Machine Gun. The item is Code A, approved for service use.

Justification:

This is a training standard item used in both training and combat. FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$12.8 million) procures an additional 1.040 million cartridges. This requirement is based on operational expenditures and supports approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: March 1993

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	nmuniti			omenclature: KD 4-SLAP M903	8/1-SLAPT M96 (F88000)	Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY 09 OCO HARDWARE											
COMPLETE ROUND									12800	1040	12.32
H/W SUBTOTAL									12800		
Total:									12800		12.32

Exhibit P-5a, Budget Procuremen	nt History and Plann	ing						Date: March 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Typ		n Nomenclature: 0 LKD 4-SLAP M903/1-SLAP	T M96 (F88000)		·			
WBS Cost Elements:	Contractor and Loca	tion 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 09 OCO HARDWARE										
FY 2009 OCO	Olin East Alton, IL	SS/OPT	Picatinny Arsenal, NJ	Jul 09	Apr 10	1040	12.32	Y		

REMARKS:

		F	FY 09 /	10 BU	DGE	r PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEM CTG CA				03/1-SL	APT M9	6 (F8800	00)		Dat	te:	March	2009					
	C	OST	ELEN	IENTS	5						Fiscal Y	ear 09	<u> </u>										Fiscal Y	Year 10							1
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M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year U	9								Caler	ndar Yea	ar 10					
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CO	MPLET:	E ROU	ND																												_
1	FY 09 OCO	A	1040	0	1040										A									72	200	200	200	200	168	0	
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M								PRODU	ICTION I	RATES						Α	DMIN I	LEAD T	IME		MFR		TOTA	AL	REMA	RKS					
F											Reach					Pri	or 1 Oct		r 1 Oct	Aft	er 1 Oct	:	After 1		1						
R	+			ne - Locati	on			MIN	1-8-5	MAX	D+	_					3	+	5		12		17		4						
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Item No. 4 Page 16 of 16 30

Exhibit P-21 Production Schedule

Exhibit P-40, Budget Item	Iustification	Sheet					I	Date:		
Exhibit 1 -40, Budget Item	Justification	- Silect							March 2009	
Appropriation / Budget Activity / Ser Procurement of Ammunition, Army	rial No: //1/Ammunition			P-1	Item Nomencla CTG, 30MM	ature M, ALL TYPES (ER	8120)			
Program Elements for Code B Items:		Code:	Other 1	Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				10.0						10.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				10.0						10.0
Initial Spares										
Total Proc Cost				10.0						10.0
Flyaway U/C										
Weapon System Proc U/C										
OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**: FY 2009 Remaining OCO Request:	OEF \$6.000 Million \$0.000 Million \$6.000 Million	Total \$4.000 Milli \$0.000 Milli \$4.000 M	on \$0.000	00 Million Million 000 Million						

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	mmuniti			omenclature: LL TYPES (ER81:	20)		Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Elemen	nts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
OVERSEAS CONTINGENCY OPERATIONS											
E09900 CTG 30MM HEDP M789									9900	119	83.08
E06100 CTG 30MM HPT M833									100	2	50.00
											1
Total:									10000	,	<u>i</u>
1											

							I,	D :		
Exhibit P-40, Budget Item	Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / Seri Procurement of Ammunition, Army				P-1	Item Nomencla CTG 30MM	nture M HEDP M789 (E099	900)			
Program Elements for Code B Items:		Code:		ther Related Program	Elements:					
	Prior Years	FY 2007	FY 20	08 FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				119						119
Gross Cost				9.9						9.9
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				9.9						9.9
Initial Spares										
Total Proc Cost				9.9						9.9
Flyaway U/C										
Weapon System Proc U/C										
Description: The M789 Lightweight 30mm High E charged projectile containing a shaped and the steel projectile body provides for service use. Justification: FY 2009 Overseas Contingency Opera military capabilities. FY 2009 OCO (swarfighter requirements.	I charge liner, a M an anti-personnel ations (OCO) requ	759 point-detor capability. M7 est procures ad	nating fuze 89 cartridg ditional as	sets to prosecute the O	case, and a PA5 ammunition str	(20 electric primings (BAS), 110 of grides (BAS), 1	er. The shaped cartridges per M	charge allows t 1592 Container. generating and	he M789 to defeat This item is Coo	at light armor, le A, approved and enhancing
TYPE CLASSIFICATION DATE: 19	62									

Exhibit P-5, Weapon AMMO Cost Analysis Appropriation/Budget A Procurement of Ammu	ctivity/Serial No: unition, Army / 1 / Ammunition			menclature: DP M789 (E09900	0)		Weapon Syste	m Type:	Date:	March 2009
AMMO	ID		FY 07			FY 08			FY 09	
Cost Elements	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY09 OCO HARDWARE										
LOAD, ASSEMBLE, PACK (LAP)								9900	119	83.08
*PBXN-5 TYPE I CLASS 3								4	1 73	
H/W SUBTOTAL								9904	1	
NON-RECURRING COSTS										
GOVERNMENT FURNISHED MATERIAL								-4	-73	
NON-RECURRING SUBTOTAL								-4	1	
Total:								9900)	83.08

Exhibit P-5a, Budget Procureme	nt History and Planning							Oate: March 20	009	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:		Nomenclature: HEDP M789 (E09900)				•			
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
FY09 OCO HARDWARE										
LOAD, ASSEMBLE, PACK (LAP)										
FY 2009 OCO	TO BE SELECTED	C/OPT	ROCK ISLAND, IL	Aug 09	Aug 10	119	83.08	Y		
*PBXN-5 TYPE I CLASS 3										
FY 2009	STOCK ISSUE	N/A	N/A	N/A	N/A	73				

REMARKS: * GOVERNMENT FURNISHED MATERIAL

		F	FY 09 /	10 BU	DGET	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN CTG 30N				0)					Dat	te:	March	2009				
	C	OST	ELEM	IENTS							Fiscal Y	Year 09)										Fiscal Y	Year 10)					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9								Cale	ndar Ye	ar 10				-
F R	FY	R V	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	Later
LC	AD, AS	SEMBL	E, PACK	(LAP)						II			ı										1	1			l			<u></u>
1	FY 09 OCO	A	119	0	119											A												70	49	0
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								+-						+																
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								1						+																
To	tal		119		119																							70	49	
						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	
														-									l							
M	1						ı	DDODI	ICTION	DATEC	1						DMINI	EADT	TIME		MFR		тот	A.T.	DEMA	DIC				
F								ועטאז	JCTION 1	KAIES	Reac	hed M	FR			-	DMIN I or 1 Oct	1	r 1 Oct		MFK er 1 Oct		TOTA After 1		REMA	CANA				
R			Nam	ne - Locati	on			MIN	1-8-5	MAX		-	_	itial		1	6		8		12		20		1					
1	TO BE	SELEC	CTED					8	40	150			Re	eorder			6		4		12		16							
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Exhibit P-40, Budget Item	Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /	al No: 1 / Ammunition			P-1	Item Nomencla CTG, 40MM	ture M, ALL TYPES (ER	8001)			
Program Elements for Code B Items:		Code:	Other I	Related Program l	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				25.8						25.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				25.8						25.8
Initial Spares										
Total Proc Cost				25.8						25.8
Flyaway U/C										
Weapon System Proc U/C										
	OEF 15.450 Million 0.000 Million \$15.450 Million	Total \$10.300 Mi \$0.000 Million \$10.300	on \$0.00 N	50 Million Million 5.750 Million						

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	nmuniti			menclature: L TYPES (ER800	01)		Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
Overseas Contingency Operations											
CTG 40MM HEDP M430 F/MK19 MG									20000	599	33.37
CTG 40MM HEDP M433									5000	100	49.76
CTG 40MM GREEN STAR PARA M661									750	21	35.71
Total:									25750		

Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army					P-1	Item Nomencla CTG 40MN	ature M HEDP M430 F/MF	(19 MG (E11800)			
Program Elements for Code B Items:		Code:		Other R	elated Program	Elements:					
	Prior Years	FY 2007	FY	2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					599						599
Gross Cost					20.0						20.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					20.0						20.0
Initial Spares											
Total Proc Cost					20.0						20.0
Flyaway U/C											
Weapon System Proc U/C											

The M430A1 is a High-Explosive Dual-Purpose cartridge (HEDP), and is fired from a MK19 Machine Gun at a max range of 2200 meters and is linked into a 32- or 48-round belt. The cartridge is a fixed round of ammunition with an internally embossed steel projectile body containing a high explosive (Comp A5) and copper, shaped-charged liner. The Point Initiating, Base Detonating (PIBD) M549A1 fuze with spit back, secondary charge, is threaded into the body to form the projectile. It is capable of penetrating three inches of steel armor and inflicting personnel casualties in the target area. This item is Code A, approved for service use.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$20.0 million) procures an additional .599 million cartridges. This requirement is based on operational expenditures and supports approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: 1971

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	nmuniti			menclature: OP M430 F/MK19	9 MG (E11800)		Weapon Syste	т Туре:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY 2009 OCO HARDWARE											
COMPLETE ROUND									20000	599	33.37
H/W SUBTOTAL									20000		
Total:									20000)	33.37

Exhibit P-5a, Budget Procurement	History and H	Planning							ate: Iarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon Sy	stem Type:	P-1 Line Item CTG 40MM F	Nomenclature: IEDP M430 F/MK19 MG (E11	800)						
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 2009 OCO HARDWARE											ĺ
COMPLETE ROUND											l
FY 2009 OCO	AMTEC CORP JANESVILLE, WI		C/OPTION	ROCK ISLAND, IL	Aug 09	Jan 11	329	33.37	Y		
FY 2009 OCO	DSE INC, (BALIMO TAMPA, FL	Y)	C/OPTION	ROCK ISLAND, IL	Aug 09	Jan 11	270	33.37	Y		

REMARKS: FY 2009 IS AN AVERAGE UNIT COST FOR MULTIPLE PRODUCERS.

		F	FY 09 /	10 BU	DGET	PRC	DUC	CTIO	N SCI	HEDU	LE				I NOME IM HED			MG (I	E11800)				Dat	te:	March	2009				
	C	OST	ELEM	IENTS]	Fiscal Ye	ar 09	•										Fiscal Y	Year 10	ı					
M		S E	PROC QTY	ACCEP PRIOR									(Calendar	r Year 09	•	-							Cale	ndar Ye	ar 10	-			
F R	FY	R V	x1Mil	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	A	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	Later
CO	MPLET	E ROUI	ND		<u> </u>	- 1			-,	2			•				-	•	·		-,				_		_ ~			
2	FY 09		0.27	0.00	0.27											A														0.27
	OCO FY 09	A	0.33	0.00	0.33											A														0.33
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Tot	al		0.60		0.60																								<u></u>	0.60
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M]	PRODU	ICTION 1	RATES						A	DMIN L	EAD T	IME		MFR		TOTA	AL	REMA					
F											Reache	MFR				Pric	r 1 Oct	After	r 1 Oct	Aft	er 1 Oct		After 1	Oct		S A SH. PROGE		INE WI	ГН ОТН	IER
R			Nam	e - Locati	on		N	MIN	1-8-5	MAX	D+	1	Initi	al			6		6		19		25		10111111	ricoor	dinio.			
1	AMTE	C COR	P, JANES	SVILLE, V	WI		2	69.00	320.00	500.00			Reo	rder			6		6		17		23							
2	DSE II	NC, (BA	ALIMOY)	, TAMPA	, FL		2	69.00	320.00	500.00		2	Initi	al			6		6		19		25							
													Reo	rder			6		6		17		23							
													Initi	al																
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													Reo	rder																

		F	Y 11 /	12 BU	DGET	r PRC	DUC	CTIO	N SCF	IEDU	LE			P-1 ITEM CTG 40M				9 MG (I	E11800)				Dat	te:	March	2009				
	C	OST I	ELEM	IENTS							Fiscal Ye	ar 11	ı										Fiscal Y	Year 12						
		S			BAL								(Calendar	Year 1	1								Cale	ndar Yea	ar 12				
M F	FY	E R	QTY x1Mil	PRIOR TO	DUE AS OF	0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	М	A	M	J	J	A	S	
R	(D) FOR	V		1 OCT	1 OCT	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	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	Later
		E ROUN		0.00	0.25				0.02	0.02	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.02		1	1							0.00
	FY 09 OCO	A	0.27	0.00	0.27				0.03	0.03	0.03	0.02	0.02		0.02	0.02	0.02	0.02	0.02											0.00
	FY 09 OCO	A	0.33	0.00	0.33				0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02										0.00
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Tot	al		0.60		0.60				0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04										
						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							T										
M							I	PRODU	ICTION I	RATES							DMIN L	1			MFR		TOT		REMA	RKS				
F											Reache	-	_			Prio	or 1 Oct	+	r 1 Oct	Aft	er 1 Oct	t	After 1		4					
R	4.3.4TEE	o con		e - Locatio				MIN 269.00	1-8-5 320.00	MAX 500.00	D+	1	-			-	6		6		19	_	25		-					
	1			SVILLE, V				269.00	320.00	500.00		+	_	order		+	6		6		17	+	23		4					
2	DSE II	vc, (BA	LIMOY)), TAMPA	, FL			23.00	520.00	550.00		2		ial order		+	6	+	6		19 17		25		-					
							+	-+		 		+	Initi			+-	3	+			1/	\dashv	23		†					
							+	-+				1	-	order		+		<u> </u>				-			1					
												T	Initi	al											1					
												1	Reo	order											1					
													Initi	al																
_													Reo	order																

Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /	al No: /1/Ammunition				P-1	Item Nomencla CTG 40MM	ature M HEDP M433 (E12	501)			
Program Elements for Code B Items:		Code:	1	Other R	elated Program	Elements:					
	Prior Years	FY 2007	FY	2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					100						100
Gross Cost					5.0						5.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					5.0						5.0
Initial Spares											
Total Proc Cost					5.0						5.0
Flyaway U/C											
Weapon System Proc U/C											
Description:			•	•		•	•		•	•	

The 40mm M433 cartridge is a dual-purpose, impact type round designed to penetrate lightly armored targets and perform an anti-personnel mission. Upon impact, the detonator triggers the spit-back shaped charge and produces a jet blast that detonates the high explosive bursting charge. Detonation of the bursting charge forms an armor-piercing jet of molten metal and fragmentation of the projectile body. This item is Code A, approved for service use.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$5.0 million) procures an additional 100 thousand cartridges. This requirement is based on operational expenditures and supports approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: 1971

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	mmunitio			menclature: DP M433 (E12601	1)		Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY 2009 OCO HARDWARE											
COMPLETE ROUND									5000	100	49.7
H/W SUB TOTAL									5000)	
Total:									5000)	49.7

Exhibit P-5a, Budget Procureme	ent History and Planning							Oate: Aarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:		Nomenclature: HEDP M433 (E12601)				•			
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	RFI Issu Date
FY 2009 OCO HARDWARE										
COMPLETE ROUND										
FY 2009	AMTEC CORP JANESVILLE, WI	C/OPT	ROCK ISLAND, IL	Aug 09	Jan 11	55	49.76	Y		
FY 2009	DSE INC, (BALIMOY) TAMPA, FL	C/OPT	ROCK ISLAND, IL	Aug 09	Jan 11	45	49.76	Y		

REMARKS: FY 2009 IS AN AVERAGE UNIT COST FOR MULTIPLE PRODUCERS.

		F	FY 09 /	10 BU	DGE	Γ PR(ODUC	CTIO	N SCF	IEDU	LE			P-1 ITEN CTG 40N				1)					Dat	te:	March	2009				
	C	OST	ELEM	IENTS						J	Fiscal Y	ear 09	u.										Fiscal Y	Year 10	1					
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СО	MPLET	E ROU	ND						1											-										
	FY 09 OCO	A	55	0	55											A														55
1	FY 09 OCO	A	45	0	45											A														45
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	C	OST I	ELEM	IENTS]	Fiscal Ye	ar 11											Fiscal Y	ear 12						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	1								Caler	ndar Yea	ar 12				
F R	FY	R V	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	Later
СО	MPLET	E ROUN	ND																								ı			
	FY 09 OCO	A	55	0	55				5	5	5	5	5	5	5	4	4	4	4	4										0
	FY 09 OCO	A	45	0	45				4	4	4	4	4	4	4	4	4	3	3	3										0
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M							!	PRODU	CTION I	RATES						A	DMIN L	EAD TI	IME	1	MFR		TOTA		REMA	RKS				
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Exhibit P-40, Budget Iter	n Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / So Procurement of Ammunition, Arm				P-1	I Item Nomencla PROJ 155M	ture IM EXTENDED RA	NGE XM982 (E80	100)		
Program Elements for Code B Items	:	Code:		Related Program 0604814A	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				35.0)					35.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				35.0)					35.0
Initial Spares										
Total Proc Cost				35.0)					35.0
Flyaway U/C										
Weapon System Proc U/C									0.0	0.0
Description: This budget line item includes the E. Operations: \$35.0M FY 2009 OCO Requirement:	scalibur family of m OIF \$35,000 Million	unitions for the OEF \$0,000	Total	atweight 155mm	n, Paladin, and th	e Non-Line of S	ight-Cannon (I	NLOS-C). FY 20	009 Overseas Con	tingency
FY 2009 OCO Requirement: FY 2009 Bridge Enacted**: FY 2009 Remaining OCO Request:	\$0.000 Million \$35.000 Million	\$0.000 M		.000 Million \$35.000 Million	on					

Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	nmuniti				GE XM982 (E801	00)	Weapon Syste	m Type:		March 2009
	ID		FY 07			FY 08			FY 09	
ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
								35000	287	122
								35000		122
	Procurement of Ammunition, Army / 1 / Ar	Procurement of Ammunition, Army / 1 / Ammunition ID	Procurement of Ammunition, Army / 1 / Ammunition PRO. ID CD Total Cost	Procurement of Ammunition, Army / 1 / Ammunition PROJ 155MM E2 ID FY 07 CD Total Cost Qty	Procurement of Ammunition, Army / 1 / Ammunition PROJ 155MM EXTENDED RANGE ID FY 07 CD Total Cost Qty Unit Cost	Procurement of Ammunition, Army / 1 / Ammunition PROJ 155MM EXTENDED RANGE XM982 (E801 ID FY 07 CD Total Cost Qty Unit Cost Total Cost	Procurement of Ammunition, Army / 1 / Ammunition PROJ 155MM EXTENDED RANGE XM982 (E80100) ID FY 07 FY 08 CD Total Cost Qty Unit Cost Total Cost Qty	Procurement of Ammunition, Army / 1 / Ammunition PROJ 155MM EXTENDED RANGE XM982 (E80100) ID FY 07 FY 08 CD Total Cost Qty Unit Cost Total Cost Qty Unit Cost	Procurement of Ammunition, Army / 1 / Ammunition	PROJ 155MM EXTENDED RANGE XM982 (E80100) FY 09 FY 09

Exhibit P-40, Budget Item	Justification	Sheet							Date:	M	
Appropriation / Budget Activity / Seria	al No:				P-1	Item Nomencla	nture			March 2009	
Procurement of Ammunition, Army							IM EXTENDED RA	NGE: XM982-U F	XCALIBUR (E8010	3)	
Program Elements for Code B Items:		Code:		Other R	elated Program 0604814A	Elements:					
	Prior Years	FY 2007	FY	2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					287						287
Gross Cost					35.0						35.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					35.0						35.0
Initial Spares											
Total Proc Cost					35.0						35.0
Flyaway U/C											
Weapon System Proc U/C					0.1						0.1

Excalibur provides improved fire support through a Precision Guided Extended Range family of munitions with greatly increased accuracy and reduced collateral damage. The Excalibur will be compatible with the M777A2 Lightweight 155mm Howitzer (LW155), the Paladin Howitzer, and the Future Combat Systems (FCS) Non-Line of Sight Cannon (NLOS-C). Excalibur will provide a 33% range increase over current Rocket Assisted Projectiles and 10 meter accuracy (circular error probable (CEP)) at all ranges. Excalibur is also highly resistant to GPS jamming. This item is Code B, approved for limited use.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$35.0M) procures an additional 287 projectiles. This requirement is based on operational expenditures and supports approved Army ammunition warfighter requirements.

Exhibit P-5, Weapon AMMO Cost Analysis Appropriation/Budget Act Procurement of Ammuni	ivity/Serial No: ition, Army / 1 / Ammunit	tion PR	Line Item No OJ 155MM E 30103)		GE: XM982-U E	XCALIBUR	Weapon Syste	em Type:	Date:	March 2009
AMMO	ID		FY 07			FY 08			FY 09	
Cost Elements	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	Units	\$000	\$000	Units	\$000	\$000	Units	\$000
FY09 OCO										
AMMUNITION HARDWARE										
Complete Round								34713	287	121
Container System								287	287	Ţ
Sub Total AMMO Hardware								35000	,	
Total:								35000	,	122

Exhibit P-5a, Budget Procuremen	t Histor	and Planning							Oate: Aarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition		Weapon System Type:		Nomenclature: I EXTENDED RANGE: XM98	82-U EXCALIE	UR (E80103)		·			
WBS Cost Elements:		Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Units	Unit Cost \$000	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
FY09 OCO											
FY 2009	Raytheon Tucson, A	Z	SS/OPT	ARDEC, Picatinny, NJ	Aug 09	May 10					

		F	FY 09 /	10 BU	DGET	r PRC	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN PROJ 15				GE: XN	M982-U	EXCAL	IBUR (E	E80103)	Dat	te:	March	2009				
	C	OST	ELEM	IENTS	}						Fiscal `	Year 09)										Fiscal Y	Year 10)					
		S	PROC	ACCEP										Calenda	ır Year 0	9								Cale	ndar Ye	ar 10				
M		Е	QTY	PRIOR	DUE	-	N.	Б		Б			3.6		,		C	-	N	Б	J	Г					J			
F R	FY	R V	Units	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	A N	F E B	M A R	A P R	M A Y	J U N	U L	A U G	S E P	Later
Co	nplete R	ound.																												
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R			Nan	ne - Locati	on]	MIN	1-8-5	MAX	D-	_	_	itial			4		7		9		16							
1	Raythe	on, Tu	cson, AZ					25	60	200			<u> </u>	eorder			3		2		11		13							
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		F	FY 11 /	12 BU	DGE	Γ PR(DUC	CTIO	N SCI	IEDU	LE			P-1 ITEN PROJ 15				GE: XN	И982-U I	EXCAL	IBUR (E	E80103)	Dat	te:	March	2009				
	C	OST	ELEM	IENTS							Fiscal Y	Year 11		•									Fiscal Y	Year 12	}					
M		S E	PROC	ACCEP PRIOR	BAL									Calenda	r Year 1	1								Cale	ndar Ye	ar 12				
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R		V		1 OCT	1 OCT	T	v	E C	A N	E B	A R	R	A Y	N	L	G	P	T	O V	E C	A N	E B	A R	R	A Y	N	L	U G	E P	Later
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Item No. 17 Page 7 of 7 55

Exhibit P-21 Production Schedule

Exhibit P-40, Budget Item	Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /	al No:			P-1	Item Nomencla Modular Ar	ature tillery Charge System	n (MACS), All Type	es (E27501)		
Program Elements for Code B Items:		Code:	Oth	ner Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	8 FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				20.0						20.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				20.0						20.0
Initial Spares										
Total Proc Cost				20.0						20.0
Flyaway U/C										
Weapon System Proc U/C										
FY 2009 Request: \$12.000 M FY 2009 Bridge: \$00.000 M	Million \$8.000 illion \$0.000 I		0.000 Millio 0.000 Millio \$20.000 M	n						

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	mmuniti			menclature: Charge System (MACS), All Type	es (E27501)	Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
						\$000	x1000	\$	\$000	x1000	\$
ER8021 MACS M232	21 MACS M232								20000	173	116
Total:									20000)	

Exhibit P-40, Budget Item	Justification	Sheet							Date:		
_										March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army					P-1	I Item Nomencl MODULA	ature R ARTILLERY CHA	ARGE SYSTEM (I	MACS), M232 (ER80	21)	
Program Elements for Code B Items:		Code:		Other F	Related Program	Elements:					
	Prior Years	FY 2007	FY	2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					173						173
Gross Cost					20.0						20.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					20.0						20.0
Initial Spares											
Total Proc Cost					20.0)					20.0
Flyaway U/C											
Weapon System Proc U/C											
· · · · · · · · · · · · · · · · · · ·											

The Modular Artillery Charge System (MACS), M232 High Zone is intended for use with all US 155mm cannon field artillery systems. The M232 High Zone increment is designed to achieve ranges from 10-40+ kilometers. Each MACS increment includes propellant, an ignition system, and a combustible case. Performance enhancing additives are included in the M232 High Zone increment. Packaging permits long-term storage and helps protect the items from unplanned stimuli. This item is type classified Code A, approved for service use.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$20.0 million) procures an additional 173,000 increments. This requirement is based on operational expenditures and support approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: August 2001

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / A	mmuniti		ULAR AR	omenclature: FILLERY CHAR	GE SYSTEM (M.	ACS), M232	Weapon Syste	m Type: D	Oate:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY09 OCO Request											
Hardware											
Load, Assemble and Pack									3806	173	22
Combustible Case Sets									5518	178	31
Propellant (M232 Triple Base)									8687	788	11
Ignition Sys/Spheriodal Propellant									99	11	9
Containers									1750	35	50
Black Powder									140	10	14
Sub Total Ammo Hardware									20000		
Total:									20000		116

Exhibit P-5a, Budget Procurem	ent History and Planning							ate: Iarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:	P-1 Line Item MODULAR	Nomenclature: ARTILLERY CHARGE SYS	STEM (MACS), N	M232 (ER8021)					
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	RFF Issue Date
FY09 OCO Request										
Load, Assemble and Pack										
FY 2009 OCO	American Ordnance Middletown, IA	C/FP/Optio	Picatinny, NJ	Aug 09	Oct 11	173	22	Y		
Combustible Case Sets										
FY 2009 OCO	Armtec Coachella, CA	CM-2/FP	Picatinny, NJ	Aug 09	Jul 11	178	31	Y		
Propellant (M232 Triple Base)										
FY 2009 OCO	Canadian Commercial Corp Ottawa, CN	SS/Option	Picatinny, NJ	Aug 09	Aug 11	788	11	Y		
Ignition Sys/Spheriodal Propellant										
FY 2009 OCO	St. Marks Crawfordville, FL	SS/Option	Picatinny, NJ	Aug 09	Aug 11	11	9	Y		
Containers										
FY 2009 OCO	Conco Louisville, KY	C/FP	Picatinny, NJ	Aug 09	Aug 11	35	50	Y		
Black Powder										
FY 2009 OCO	GOEX Inc. Minden, LA	SS/Option	Rock Island, IL	Aug 09	Aug 11	10	14	Y		

REMARKS:

		F	FY 09 /	10 BU	DGET	Γ PR(ODU	CTIO	N SCI	IEDU	LE				M NOME AR ART			GE SY	STEM (I	MACS),	M232 (ER8021	Dat)	te:	March	2009				
	C	OST	ELEN	IENTS						,	Fiscal Y	ear 09	<u>L</u>										Fiscal Y	Year 10	1					
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		FY 11 / 12 BUDGET PRODUCTION SCHEDULE																													
		F	FY 11 /	12 BU	DGE	ΓPRO	ODUC	CTIO	N SCI	IEDU	LE				M NOME AR ART			GE SY	STEM (MACS),	M232 (ER8021	Dat)	te:	March	2009					
	C	OST	ELEM	IENTS							Fiscal Y	ear 11											Fiscal Y	Year 12	i						
м		S	PROC	ACCEP	BAL								-	Calenda	r Year 1	1								Cale	ndar Ye	ar 12					
M F R	FY	E R V	QTY x1000		AS OF 1 OCT	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	A P	M A	J U	J U	A U	S E	Later	
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	FY 09 OCO	A	173	0	173			<u> </u>										40	40	40	40	13					<u> </u>		<u> </u>	0	
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Exhibit P-40, Budget Ite	m Justification	Sheet					I	Date:	March 2009	
Appropriation / Budget Activity / S Procurement of Ammunition, An	Serial No: rmy / 1 / Ammunition			P-1	Item Nomencla SHOULDE	nture R LAUNCHED MU	NITIONS, ALL TY	PES (EA4000)		
Program Elements for Code B Item	ns:	Code:	Otl	her Related Program l	Elements:					
	Prior Years	FY 2007	FY 200	8 FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				20.0						20
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				20.0						20
Initial Spares										
Total Proc Cost				20.0						20
Flyaway U/C										
Weapon System Proc U/C										
FY 2009 Bridge Enacted**: FY 2009 Remaining OCO Request	: \$12.000 Million	\$8.000 Millio	on \$ 20.000) Million						

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	nmuniti		LDER LA	menclature: UNCHED MUNI	TIONS, ALL TYI	PES	Weapon Syste	m Type:	ate:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
OVERSEAS CONTINGENCY OPERATIONS											
E36101 AT-4 CONFINED SPACE									10000	2308	4
E88401 BUNKER DEFEAT MUNITION									10000	924	15
SUBTOTAL OCO REQUEST									20000		
Total:									20000		

	Justification	Sheet					I	Date:		
	Gustineution								March 2009	
Appropriation / Budget Activity / Seri Procurement of Ammunition, Army				P-1	Item Nomencla AT4 - Confi	ture ined Space (E36101)				
Program Elements for Code B Items:		Code:		er Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				2308						2308
Gross Cost				10.0						10.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				10.0						10.0
Initial Spares										
Total Proc Cost				10.0						10.0
Flyaway U/C										
Weapon System Proc U/C										
The AT4-CS is a self-contained weap High Explosive Anti-Armor warhead signature. This will allow the user to Justification: FY 2009 Overseas Contingency Opera military capabilities. FY 2009 OCO (requirements.	out to 250 meters. safely fire the wear	The AT4-CS i pon from a protest procures add	ncorporates a tected area or ditional asset	a safety modification enclosed space dur s to prosecute the O	to the propulsing close combined to the propulsion of the propulation	ion system that at operations. The graph of	significantly red nis item is Code g battle losses,	luces the weapons A, approved for generating and	on's back blast and or service use.	launch and enhancing
TYPE CLASSIFICATON DATE: Au	ugust 2006.									

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	nmuniti			omenclature: Space (E36101)			Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
OVERSEAS CONTINGENCY OPERATIONS											
Complete Round									9800	2308	4
SubTotal Hardware									980	0	
PRODUCTION SUPPORT COSTS											
Acceptance Testing									200	O	
Sub Total Production Support									200	0	
Total:									1000	0	5

Exhibit P-5a, Budget Procurement	ent Histo	ry and Planning							Oate: Aarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition		Weapon System Type:	P-1 Line Item AT4 - Confine	Nomenclature: d Space (E36101)				·			
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
BASIC APPROPRIATION											
OVERSEAS CONTINGENCY OPERATIONS											1
FY 2009		ofors Dynamics AB a, Sweden	SS/Other	Picatinny, NJ	Mar 09	Sep 10	2308	4			
REMARKS: Other - Acquisition Strategy is for a new 5 year	ndefinite Deli	very/Indefinite Quantity (IDIO	Q) contract with SA	AB/Bofors in FY2007.							

		F	FY 09 /	10 BU	DGE	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN AT4 - Co	M NOME onfined S	ENCLA Space (E	ГURE 36101)						Dat	te:	March	2009					
	C	OST	ELEM	IENTS							Fiscal Y	ear 09)										Fiscal Y	Year 10							
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year 0	9								Cale	ndar Ye	ar 10					
F R	FY	R V	Each	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	Later	
Co	mplete R	ound	I		1																										_
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M								PRODU	ICTION I	RATES						Α	DMIN L	EAD T	IME		MFR		TOTA	AL	REMA	RKS					
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													Re	order						l											

Exhibit P-40, Budget Item	Justification	Sheet]	Date:	March 2009	
Appropriation / Budget Activity / Serial Procurement of Ammunition, Army /				P-1	Item Nomencla	ature DEFEAT MUNITIO	N (E88401)		Water 2007	
Program Elements for Code B Items:		Code:		her Related Program	Elements:					
	Prior Years	FY 2007	FY 200	8 FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				924						924
Gross Cost				10.0						10.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				10.0						10.0
Initial Spares										
Total Proc Cost				10.0						10.0
Flyaway U/C										
Weapon System Proc U/C										

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$10.0M) procures an additional 924 systems. This requirement is based on operational expenditures and support approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: Standard March 2007.

to accept any sight or laser aiming light with rail-grabber attachment. This item is Code A, approved for service use.

Exhibit P-5, Weapon AMMO Cost Analysis Analysis	ppropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Amn	nunitio			menclature: AT MUNITION ((E88401)		Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Elements		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
OVERSEAS CONTINGENCY OPERATIONS											
Complete Round									9780	924	1
SubTotal AMMO Hardware									9780)	
PRODUCTION SUPPORT COSTS											
Acceptance Testing									220)	
SubTotal Production Support Costs									220)	
SUBTOTAL OCO REQUEST									10000	o	
Total:									10000)	15

Exhibit P-5a, Budget Procuremen	t Histor	y and Planning							Oate: March 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition		Weapon System Type:		Nomenclature: FEAT MUNITION (E88401)							
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
OVERSEAS CONTINGENCY OPERATIONS											
FY 2009	Talley De Mesa, AZ	fense Systems	SS/OPT	Picatinny, NJ	Aug 09	Aug 10	924	11			
	ı		•	•			l .				

REMARKS:

		F	Y 09 /	10 BU	DGET	ΓPRC	DUC	CTIO	N SCI	HEDU	LE				M NOMEI R DEFEA			(E88401	1)				Dat	e:	March	2009				
	C	OST 1	ELEM	ENTS							Fiscal Yea	r 09	•										Fiscal Y	Tear 10						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 09)	ı							Cale	ndar Yea	ar 10				
F R	FY	R V	Units	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	A	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	A P R	M A Y	J U N	J U L	A U G	S E P	Later
Coi	nplete R	ound	l]			<u>I</u>		J.								L		<u> </u>			l	l .				<u>l</u>	L L
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M								PRODU	CTION	RATES						A	DMIN L	EAD TI	IME		MFR		TOTA	AL	REMA	RKS				
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Item No. 23 Page 10 of 10 72

Exhibit P-21 Production Schedule

	1 Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / Se Procurement of Ammunition, Arm				P-1	Item Nomencla ROCKET, F	ture HYDRA 70, ALL TY	YPES (E37300)			
Program Elements for Code B Items:		Code:		Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				26.0						26.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				26.0						26.0
Initial Spares										
Total Proc Cost				26.0						26.0
Flyaway U/C										
Weapon System Proc U/C										
This budget line procures all Hydra 7 warfighting readiness posture. This saircraft) to perform a number of roles Justification:	system of aerial rocks including anti-mat	kets is used by eriel, anti-perso	Army aircraft (onnel, and air-t	(AH-64A/D Apack o-ground suppress	he, OH-58D Ki					
FY 2009 Overseas Contingency Open military capabilities. FY 2009 OCO requirements.										

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Exhibit P-5, Weapon AMMO Cost Analysis Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	nmunitio			menclature: RA 70, ALL TYPI	ES (E37300)		Weapon Syste	m Type:	Date:	March 2009
AMMO	ID		FY 07			FY 08			FY 09	
Cost Elements	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
ROCKET HYDRA 70 M255A1								3000	3	1
ROCKET HYDRA 70 HE/PD M151/M423								10871	16	1
ROCKET HYDRA 70, ILLUM M257								12129	7	2
Total:								26000		

Exhibit P-40, Budget Item	Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army				P-	1 Item Nomencla ROCKET,	ature HYDRA 70, ILLUM	I, M257 (E37314)			
Program Elements for Code B Items:		Code:	Othe	er Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					7					7
Gross Cost				12.1	1					12.1
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				12.3	1					12.1
Initial Spares										
Total Proc Cost				12.	L					12.1
Flyaway U/C										
Weapon System Proc U/C				1.3	7					1.7
D 1.11	·	<u> </u>		<u> </u>			<u> </u>		•	

Description:

The HYDRA-70 family of rockets is used by Army aircraft (AH-64A/D Apache, OH-58D Kiowa Warrior, Armed Reconnaissance Helicopter, and Special Operations aircraft) to perform a number of roles including anti-materiel, anti-personnel, air-to-ground suppression and illumination. The M257 warhead was designed for battlefield illumination. The flare warheads are assembled to the MK66 Rocket Motor in the field. The flare rockets can be launched from either fixed-wing or rotary-wing aircraft. The M442 motor burnout fuze functions after a 9-second delay. The M257 candle descends at 15 feet per second and burns for approximately 100 seconds with a minimum light output of one million candle power in the visible light spectrum.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$12.129 million) procures an additional 7,013 rockets. This requirement is based on operational expenditures and support approved Army ammunition warfighter requirements.

**FY 2009 Enacted Bridge not included in the total in the above table

FY 2009 OCO Requirement: \$12.129 Million

Exhibit P-5, Weapon AMMO Cost Analysis Appropriation/Bud Procurement of A	get Activity/Serial No: Ammunition, Army / 1 / Ammunition			omenclature: RA 70, ILLUM, N	M257 (E37314)		Weapon Syste	m Type:	Date:	March 2009
AMMO	ID		FY 07			FY 08			FY 09	
Cost Elements	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY09 OCO APPROPRIATION										
AMMUNITION HARDWARE										
E37314, M257, Hydra Illum								12129	7	
SubTotal AMMO Hardware								12129	9	
Production Support Costs										
Production Engineering										
SubTotal COST - Nonrecurring										
Total:								12129)	

Exhibit P-5a, Budget Procuremen	t History and Planning							Date: March 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:		Nomenclature: YDRA 70, ILLUM, M257 (E3	7314)			·			
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
E37314, M257, Hydra Illum FY 2009 OCO	General Dynamics Burlington, VT	SS/Option	AMCOM, Redstone Arsenal, AL	Jul 09	Jan 09	7	1730	Y		Jun 04

REMARKS: Sole Source/Fixed Price (SS/FP)

		F	Y 09 /	10 BU	DGE	ΓPRO	ODUC	CTIO	N SCF	HEDU	LE			P-1 ITEN ROCKE				M257 (E	E37314)				Dat	te:	March	2009					
	C	OST :	ELEM	IENTS							Fiscal Y	ear 09)										Fiscal Y	Year 10							
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9								Cale	ndar Ye	ar 10					
F R	FY	R V	x1000		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	Later	
E37	314, M2	57, Hy	dra Illum	I		1	<u></u>				1		I												I					I	_
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Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /					P-1	Item Nomencla ROCKET F	ature HYDRA 70 HE/PD N	M151/M423 (E373)	35)		
Program Elements for Code B Items:		Code:		Other R	Related Program	Elements:					
	Prior Years	FY 2007	FY 2	2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					16						16
Gross Cost					10.9						10.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					10.9						10.9
Initial Spares											
Total Proc Cost					10.9						10.9
Flyaway U/C											
Weapon System Proc U/C					0.7						0.7

Description:

The HYDRA-70 family of rockets is used by Army aircraft (AH-64A/D Apache, OH-58D Kiowa Warrior helicopters, Armed Reconnaissance Helicopter, and Special Operations aircraft) 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. Upon detonation, the warhead fragments into thousands of small, high velocity fragments. This item is Code A, approved for service use.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$10.871 million) procures an additional 16,416 rockets. This requirement is based on operational expenditures and support approved Army ammunition warfighter requirements.

**FY 2009 Enacted Bridge not included in the total in the above table

FY 2009 OCO Requirement: \$10.871Million

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	nmunitio			omenclature: RA 70 HE/PD M1:	51/M423 (E37335)	Weapon Syste	m Type:	Date:	March 2009
AMMO		ID	•	FY 07			FY 08			FY 09	
Cost Elemen	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY09 OCO APPROPRIATION											
Ammunition Hardware											
E37335, M151/M423 HE/PD									10871	16	662
Production Support Costs											
Production Engineering											
Sub Total FY09 OCO Appropriation									1087	1	
Total:									10871		

Exhibit P-5a, Budget Procurement	History and Planning							ate: Iarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:		Nomenclature: TDRA 70 HE/PD M151/M423 (E37335)						
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
E37335, M151/M423 HE/PD FY 2009 OCO	General Dynamics Burlington, VT	SS/Option	AMCOM, Redstone Arsenal, AL	Jul 09	Jan 11	16	662	Y		Jun 04

REMARKS: Sole Source/Fixed Price (SS/FP)

		F	Y 09 /	10 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE				M NOME Γ HYDR			51/M42	3 (E373	35)			Dat	e:	March	2009				
	C	OST I	ELEM	IENTS							Fiscal Yea	ar 09											Fiscal Y	ear 10						
		S	PROC										(Calenda	r Year 09)								Cale	ıdar Ye	ar 10				
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	FY 09 OCO	A	10.4	0.0	10.4										А															10.4
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I	E37335,	M151/M	1423 HE/	PD																										
	FY 09 OCO	A	16.4	0.0	16.4				2.0	2.0	2.0	2.0	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0										0.0
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Exhibit P-40, Budget Item	Justification	Sheet						Date:	M 1 2000	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /				P-1	Item Nomencla	nture ION MUNITIONS, A	ALL TYPES (E554	00)	March 2009	
Program Elements for Code B Items:		Code:	Other 1	Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				0.5						0.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				0.5						0.5
Initial Spares										
Total Proc Cost				0.5						0.5
Flyaway U/C										
Weapon System Proc U/C										

Justification:

. OIF OEF Total
FY 2009 OCO Requirement: \$0.315 Million \$0.210 Million \$0.525 Million
FY 2009 Bridge Enacted**: \$0.000 Million \$0.000 Million \$0.000 Million
FY 2009 Remaining OCO Request: \$0.315 Million \$0.210 Million \$0.525 Million

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$0.5 million) procures an additional 296 thousand feet of sheet Cord Detonating and 2 thousand Charge Demo EOD. This requirement is based on operational expenditures and support approved Army ammunition war-fighter requirements.

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	nmuniti			menclature: MUNITIONS, AL	L TYPES (E5540	0)	Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
OVERSEAS CONTINGENCY OPERATIONS											
E54200 Cord Detonating Inert, M458 (FT)									200	296	1
E76706 Charge Demo EOD MK89 MOD 0, M998									325	5 2	162
SUBTOTAL OCO REQUEST									525	5	
Total:									525	5	

Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /				I	P-1 Item N		ture ONATING INERT	(E54200)			
Program Elements for Code B Items:		Code:		er Related Progra	am Eleme	nts:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY	2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				2	96						296
Gross Cost				().2						0.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				().2						0.2
Initial Spares											
Total Proc Cost				().2						0.2
Flyaway U/C											
Weapon System Proc U/C				(0.0						0.0

This inert detonating cord, similar to Type I, Class E in construction and external appearance, consists of an asphalt-coated cotton tube sheathed in an outer cover of smooth plastic coated rayon. The inert cord differs from the service cord in that the cord of the training item is inert loaded with poly-vinyl chloride (PVC) filler and the plastic outer coat is blue. The inert detonating cord is used in demonstration and training for demolition and its does not perform any ballistic function. This item is Code A, approved for service use.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$0.2M) procures an additional 296,000 feet of inert detonating cord. This requirement is based on operational expenditures and support approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: 1958

Exhibit P-5, Weapon AMMO Cost Analysis Appropriation/Bu Procurement of	dget Activity/Serial No: Ammunition, Army / 1 / Ammunition			menclature: TING INERT (E	54200)		Weapon Syste	m Type:	Date:	March 2009
AMMO	ID		FY 07			FY 08			FY 09	
Cost Elements	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
		\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
OVERSEAS CONTINGENCY OPERATIONS										
Inert Detonating Cord (Qty in feet)								197	296	
SubTotal AMMO Hardware								197	7	
PRODUCTION SUPPORT COSTS										
Quality Assurance								3	3	
SubTotal Prod. Support								3	3	
SUBTOTAL OCO REQUEST								200)	
Total:								200)	

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Exhibit P-5a, Budget Procuremen	it Histor	-	1					N	March 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition		Weapon System Type:		Nomenclature: NATING INERT (E54200)							
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?	1	RFP Issue Date
Inert Detonating Cord (Qty in feet) FY 2009 OCO	To Be Se	lected	C/FP	Rock Island, IL	Aug 09	Jun 10	296	1	ı		
REMARKS:	•		•		•		•		-		

		F	FY 09 /	10 BU	DGE	Γ PR(ODU	CTIO	N SCI	HEDU	LE			P-1 ITEN CORD D				E54200)					Dat	te:	March	2009					
	CO	OST	ELEM	IENTS							Fiscal Y	ear 09)										Fiscal Y	Year 10	١						l
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Ine	rt Detona	ting Co	ord (Qty i	n feet)		1		C	14	Б	K	K	1		L	-	1	•	<u> </u>	C	11	В	K	K	<u> </u>	11		G	1	<u>l</u>	_
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Exhibit P-40, Budget Iter	n Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / S Procurement of Ammunition, Arm	erial No: ny / 1 / Ammunition			P-1	Item Nomencla GRENADE	ature ES, ALL TYPES (E34	4000)			
Program Elements for Code B Items	:	Code:	Oth	er Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				10.0						10.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				10.0						10.0
Initial Spares										
Total Proc Cost				10.0						10.0
Flyaway U/C										
Weapon System Proc U/C										
Description: This budget line includes Grenades, Justification:										
	\$6.000 Million \$4 \$0.000 Million \$0.0	.000 Million \$	0.000 Millio	n						

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No:	.,.		Line Item No		20)		Weapon Syste	m Type:	Date:	M 1 2000
	Procurement of Ammunition, Army / 1 / Ar	nmuniti	on GR	ENADES, AL	L TYPES (E3400	00)					March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	t Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
OVERSEAS CONTINGENCY OPERATIONS											
E93500 Grenade, Rifle Entry Mun M100(ea)									9500	9001	1055
E34005 Gren, Hand, Smoke, Visual, FOG									500) 1	200
Subtotal OCO Request									10000)	
Total:									10000)	l

Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seri Procurement of Ammunition, Army	al No:			P	2-1 Ite	em Nomencla GRENADE		SUAL RESTRICT	ED TERRAIN XM10		
Program Elements for Code B Items:		Code:		her Related Progra	ım Ele	ements:					
	Prior Years	FY 2007	FY 200	8 FY 2009		FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					1						1
Gross Cost				0).5						0.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1				0).5						0.5
Initial Spares											
Total Proc Cost				0).5						0.5
Flyaway U/C											
Weapon System Proc U/C											
Description: The XM106 Smoke Obscuration Devi B, not approved for service use. Appro				e that produces a s	smoke	screen in se	conds. It is used	by dismounte	d troops to conce	eal movement. This	is item is code

Justification:
FY 2009 Overseas Contingency Operations request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces and enhancing military capabilities. The FY 2009 OCO (\$0.5M) procures 957 XM106 grenades. The requirement is based on operational expenditures and support approved Army warfighter requirements.

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	nmunitio	on GREN	IADE HAN	menclature: ID SMOKE VISU 06 (E34005)	JAL RESTRICTE	ED	Weapon Syste	em Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	s	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
FY 2009 OCO HARDWARE											
Complete Grenade									200	957	0.
SubTotal Hardware									200	0	
PRODUCTION SUPPORT COSTS											
Production Engineering									95	5	
Quality Assurance									4	5	
SubTotal Prod. Support									100	0	
NON RECURRING COSTS											
Production Verification Test									100	0	
First Article Test									100	0	
SubTotal Non-Recurring Costs									200	0	
Total:									500		

Exhibit P-5a, Budget Procurement	History and Planning							Oate: Aarch 200)9	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:		Nomenclature: IAND SMOKE VISUAL REST	RICTED TERI	RAIN XM106 (E34005)				
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 Grenade FY 2009 OCO	Pine Bluff Arsenal Pine Bluff, AR	WO/CR	APG, Aberdeen MD	Aug 09	Sep 10	957	209			

REMARKS: Low rate initial production

		F	Y 09 /	′ 10 BU	DGET	ΓPR(ODUC	CTIO	N SCI	HEDU	LE				M NOME DE HAN			UAL RI	ESTRIC	TED TE	RRAIN	XM106	Dat	te:	March	2009				
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Co	mplete G	renade																	ı				ı	ı	1					
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Exhibit P-40, Budget Item	Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /]	P-1 Item Nomencla GRENADE	ature E RIFLE ENTRY MU	JNITION, M100 (E	E93500)		
Program Elements for Code B Items:		Code:		ner Related Progr	nm Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				90	01					9001
Gross Cost				Ģ	0.5					9.5
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				ý	0.5					9.5
Initial Spares										
Total Proc Cost				Ģ	0.5					9.5
Flyaway U/C										
Weapon System Proc U/C										
Description: Grenade Rifle Entry Munitions (GREM fired at a distance of 15 to 40 meters, a of either wood or metal clad exterior derisk to enemy fire. This item is Code A	rming at approximors. The GREM	nately 15 meter provides friend	rs, to breach	locked doors or	vindows with min	imal hazard to o	perator. Overpi	essure caused by	y explosion will c	ause breaching

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

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$9.5 million) procures an additional 9,001 tactical GREMs. This requirement is based on operational expenditures and supports approved Army ammunition warfighter requirements.

TYPE CLASSIFICATION DATE: JUN 2002

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	nmunitio			menclature: LE ENTRY MUN	ITION, M100 (E9	3500)	Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
FY09 OCO HARDWARE											
Grenade Rifle Entry Munition (GREM)									9500	9001	1.055
SubTotal AMMO Hardware									9500		
Total:									9500)	1.359

Exhibit P-5a, Budget Procuremen	ıt Histor	y and Planning							Date: March 20	109	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition		Weapon System Type:		Nomenclature: RIFLE ENTRY MUNITION, M	100 (E93500)			•			
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
FY09 OCO HARDWARE											
FY 2009 OCO	Rafael Ar Haifa, Isra	mament Development ael	SS/OPT	Picatinny Arsenal, NJ	Aug 09	May 10	9001	1055	;		
HARDWARE											
REMARKS:											

		F	Y 09 /	10 BU	DGET	r PR(ODUC	CTIO	N SCI	HEDU!	LE				M NOME ADE RIFL			IITION,	, M100 (E93500))		Dat	te:	March	2009				
	C	OST	ELEM	IENTS]	Fiscal Y	ear 0	9										Fiscal Y	Year 10)					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ar Year 0)9								Cale	ndar Ye	ar 10				
F R	FY	R V	Units	ТО	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	N A Y	A U	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	Later
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M								PRODU	JCTION I	RATES	_						DMIN L				MFR		TOTA		REMA	RKS				
F												ned N				Pri	or 1 Oct	+	r 1 Oct	Aft	er 1 Oct		After 1							
R				ne - Locatio				MIN	1-8-5	MAX	D-	_	F	Initial			7	+	8		12		20							
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		F	Y 11 /	12 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN GRENA				IITION,	, M100 (E93500))		Dat	te:	March	2009				
	C	OST	ELEM	IENTS	}						Fiscal Y	ear 11	l										Fiscal Y	Year 12	}					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	ır Year 1	1								Cale	ndar Ye	ar 12				
F R	FY	R V	Units	ТО	AS OF 1 OCT	O C	N O	D E C	J A	F E	M A	A P	M A Y	J U	J U	A U	S E	O C	N O	D E C	J A N	F E B	M A	A P	M A Y	J U	J U	A U G	S E	Later
TTA	RDWAI	D.F.				T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	
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Exhibit P-40, Budget Iter	n Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / S Procurement of Ammunition, Arr				P-1	Item Nomencla	ature ORS, ALL TYPES (I	E51200)			
Program Elements for Code B Items	3:	Code:	Other	Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				3.0	1					3.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				3.0						3.0
Initial Spares					1					
Total Proc Cost				3.0						3.0
Flyaway U/C										
Weapon System Proc U/C					·					
	OIF OI \$1.800 Million \$1 \$0.000 Million \$0.	1.200 Million								

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	nmunitio			menclature: ALL TYPES (E51	1200)		Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
OVERSEAS CONTINGENCY OPERATIONS											
E49700 SIMULATOR PROJ GND BURST M115A2									3000	163	13
SUBTOTAL OCO REQUEST									3000	O	
Total:									3000)	

Exhibit P-40, Budget Item	Justification	Sheet					-	Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army /				P-1	Item Nomencla	ature OR PROJ GND BUR	RST M115A2 (E497	700)	March 2009	
Program Elements for Code B Items:		Code:		er Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty				163						163
Gross Cost				3.0						3.0
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				3.0						3.0
Initial Spares										
Total Proc Cost				3.0						3.0
Flyaway U/C										
Weapon System Proc U/C										

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$3.0M) procures an additional 163,000 M115A2 simulators. This requirement is based on operational expenditures and support approved Army ammunition warfighter requirements.

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	nmunitio			menclature: ROJ GND BURST	M115A2 (E4970	0)	Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
FY 2009 OVERSEAS CONTINGENCY OPERATION	ONS										
Complete Simulator									3000	163	18
SUBTOTAL OCO REQUEST									3000		
Total:									3000		1

Exhibit P-5a, Budget Procureme	nt History and Planning							Oate: Aarch 20	09	
Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army/ 1/ Ammunition	Weapon System Type:		Nomenclature: R PROJ GND BURST M115	.2 (E49700)						
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 2009 OVERSEAS CONTINGENCY OPERATIONS FY 2009	Pyrotechnique by Grucci Inc Radford, VA	C/OPT	Rock Island, IL	Aug 09	Mar 11	163	18	1		

REMARKS:

		F	FY 09 /	10 BU	DGE	ΓPRO	ODUC	CTIO	N SCF	IEDU	LE			P-1 ITEN	M NOME ATOR PR			T M115	5A2 (E49	9700)			Dat	te:	March	2009				
	C	OST	ELEM	IENTS							Fiscal Y	ear 0)										Fiscal Y	Year 10	١					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 0	9	[Cale	ndar Ye	ar 10				1
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M								PRODU	JCTION I	RATES						Δ	DMIN I	EAD T	TME		MFR		TOTA	AI.	REMA	RKS				
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		F	Y 11 /	12 BU	DGET	r PRC	DUC	CTIO	N SCI	IEDU	LE			P-1 ITEM SIMULA			TURE D BURST	Г М115	A2 (E49	9700)			Date		March 2	2009				
	C	OST I	ELEM	IENTS]	Fiscal Yea	ar 11											Fiscal Y	ear 12						
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE								(Calendar	Year 1	1								Caler	ndar Yea	ar 12				
F R	FY	R V	x1000	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	A	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	Later
Cot	nnlete S	imulator				1			IN	Б	K	K	1	IN	L	u	r	1	V	C	IN	Б	K	K	1	IN	L	G	г	
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R			Nam	e - Locatio	on		ľ	MIN	1-8-5	MAX	D+	1	Initi	ial			6		8		18		26							
1	Pyrote	chnique	by Gruce	i Inc, Rad	ford, VA			5	30	60		1	Reo	order			6		6		12		18							
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Exhibit P-40, Budget Item	Justification	Sheet					I	Date:		
				<u>, </u>					March 2009	
Appropriation / Budget Activity / Seri Procurement of Ammunition, Army	al No: / 1 / Ammunition			P-1	Item Nomencla Non-Lethal	ature Ammunition, All Ty	pes (E91901)			
Program Elements for Code B Items:		Code:	Ot	her Related Program	Elements:					
	Prior Years	FY 2007	FY 200	8 FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				1.8						1.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				1.8						1.8
Initial Spares										
Total Proc Cost				1.8						1.8
Flyaway U/C										
Weapon System Proc U/C										
	OIF 8.980 Million \$1 .900 Million \$1 \$1.080 Million	8.600 Million	\$46.500 N	Million						

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / Ar	nmuniti		-1 Line Item N on-Lethal Am	omenclature: nunition, All Type	es (E91901)		Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08			FY 09	
Cost Element	ts	CD	Total Co	st Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
OVERSEAS CONTINGENCY OPERATIONS											
E89001 NL 12GA Shotgun ER Marking XM1091									1200	37	33
E86401 NL 12GA Shotgun ER Marking XM1092									600) 49	12
Subtotal OCO Request									1800)	
Total:									1800)	l

Exhibit P-40, Budget Item	Justification	Sheet							Date:	March 2009	
Appropriation / Budget Activity / Seria Procurement of Ammunition, Army					P-1	Item Nomencla NON-LETH		OTGUN, ER, MA	RKING (XM1092) (I	E86401)	
Program Elements for Code B Items:		Code:		Other R	Related Program	Elements:					
	Prior Years	FY 2007	FY 2	2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty					49						49
Gross Cost					0.6						0.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc P1					0.6						0.6
Initial Spares											
Total Proc Cost					0.6						0.6
Flyaway U/C											
Weapon System Proc U/C											

Description:

The 12-Gauge Drag Stabilized Extended Range Marking Round is a translucent 12-gauge shell loaded with a 40 gram, tear shaped bag constructed of cotton and ballistic material blend, covered in fluorescent green marking powder, and filled with #9 shot. This design utilizes four (4) stabilizing tails for improved accuracy and sustained energy over a longer range. The 12-gauge Drag Stabilized Extended Range Marking Round utilizes smokeless powder as the propellant. The 12-Gauge Drag Stabilized Extended Range Marking round is intended to be direct fired at subjects beyond 40 meters. It proves most successful for incapacitation when used within its optimal energy range of approximately 40 to 70 meters. The round can also be deployed in crowd control situations to protect the riot line, cover or enhance chemical munitions, or target and mark specific agitators and organizers of the crowd. This munitions is authorized for use by contingency forces. This item is Code B, approved for limited use.

Justification:

FY 2009 Overseas Contingency Operations (OCO) request procures additional assets to prosecute the OCO by resetting items, replacing battle losses, generating and protecting forces, and enhancing military capabilities. FY 2009 OCO (\$0.6M) procures an additional 49,000 rounds. This requirement is based on operational expenditures and support approved Army ammunition warfighter requirements.

Exhibit P-5, Weapon AMMO Cost Analysis	Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 1 / An	nmunitio	on NON-			TGUN, ER, MAF	KING	Weapon Syste	m Type:	Date:	March 2009
AMMO		ID		FY 07			FY 08	•		FY 09	
Cost Element	ts	CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
			\$000	x1000	\$	\$000	x1000	\$	\$000	x1000	\$
OVERSEAS CONTINGENCY OPERATIONS											
NL 12 Ga Shotgun ER Marking, XM1092									176	49	
SubTotal AMMO Hardware									176		
PRODUCTION SUPPORT COSTS											
Production Engineering									396		
Quality Assurance									7		
Acceptance Testing									12		
SubTotal Prod. Support									415		
COST - Nonrecurring											
New Equipment Training									9		
SubTotal COST - Nonrecurring									9		
Total:									600		

History and Planning								09	
Weapon System Type:			R, MARKING (XM1092) (E86	401)				
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
Defense Technology Caspar, WY	C/OPT	Picatinny, NJ	Aug 09	Aug 10	49	2			
	Contractor and Location Defense Technology	Weapon System Type: P-1 Line Item NON-LETHA Contractor and Location Contract Method and Type Defense Technology C/OPT	Weapon System Type: P-1 Line Item Nomenclature: NON-LETHAL 12 GAUGE, SHOTGUN, EI Contractor and Location Contract Method and Type Defense Technology C/OPT Picatinny, NJ	Weapon System Type: P-1 Line Item Nomenclature: NON-LETHAL 12 GAUGE, SHOTGUN, ER, MARKING (Contract or and Location Contract Method and Type Location of PCO Award Date Defense Technology C/OPT Picatinny, NJ Aug 09	Weapon System Type: P-1 Line Item Nomenclature: NON-LETHAL 12 GAUGE, SHOTGUN, ER, MARKING (XM1092) (E86	Weapon System Type: P-1 Line Item Nomenclature: NON-LETHAL 12 GAUGE, SHOTGUN, ER, MARKING (XM1092) (E86401) Contractor and Location Contract Location of PCO Award Date Date of First QTY x1000 Type C/OPT Picatinny, NJ Aug 09 Aug 10 49	Weapon System Type: P-1 Line Item Nomenclature: NON-LETHAL 12 GAUGE, SHOTGUN, ER, MARKING (XM1092) (E86401)	Weapon System Type: P-1 Line Item Nomenclature: NON-LETHAL 12 GAUGE, SHOTGUN, ER, MARKING (XM1092) (E86401)	Weapon System Type: P-1 Line Item Nomenclature: NON-LETHAL 12 GAUGE, SHOTGUN, ER, MARKING (XM1092) (E86401)

REMARKS: New Base +4yr contract award Apr 07.

		F	Y 09 /	10 BU	DGET	ΓPRO	ODUC	CTIO	N SCI	HEDU	LE			P-1 ITEN NON-LE (E86401	ETHAL 1			TGUN.	, ER, MA	ARKING	(XM10)92)	Da	te:	March	2009				
	C	OST I	ELEM	IENTS	}						Fiscal Y	ear 09	1										Fiscal Y	Year 10)					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year (9								Cale	ndar Ye	ar 10				
F R	FY	R V	x1000		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	Later
NL	12 Ga S	hotgun l	ER Mark	ing, XM1	092		II	II			I						L						L			l				I
	FY 09 OCO	A	49	0	49											A												10	10	29
Tota	al		49		49																							10	10	29
						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	
M								PRODU	CTION	RATES						A	DMIN I	EAD T	IME]	MFR		TOT	AL	REMA	RKS				
F											Reacl	hed M	FR			Prio	or 1 Oct	Afte	r 1 Oct	Aft	er 1 Oct	:	After 1	Oct						
R				ne - Locati				MIN	1-8-5	MAX	D+	-	1 In	itial			8	+	8		15		23							
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		F	Y 11 /	12 BU	DGE	Γ PR(ODUC	CTIO	N SCI	HEDU	LE			P-1 ITE NON-LI (E86401	ETHAL			TGUN.	, ER, M	ARKING	6 (XM10)92)	Da	te:	March	2009				
	C	OST	ELEM	IENTS	}						Fiscal `	Year 11											Fiscal Y	Year 12	;					
M		S E	PROC QTY	ACCEP PRIOR	BAL DUE									Calenda	r Year 1	11								Cale	ndar Ye	ar 12				-
F R	FY	R V	x1000		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	Later
ΝI	12 Ga S	hotgun	ER Mark	ing, XM1	092				1	l I		<u>l</u>		<u>l</u>	l .		1	<u>l</u>		1	<u>l</u>		l	ı						<u>. </u>
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To	al		49	20	29	14	15																							
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F											Reac	hed M	FR				or 1 Oct		r 1 Oct	4	er 1 Oct		After 1							
R	-			ne - Locati				MIN	1-8-5	MAX	D-	+	-	itial			8	_	8		15		23							
1	Defens	se Techr	nology, C	aspar, WY	<u> </u>			10	100	200				eorder iitial			6		6		12		18	-	1					
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Exhibit P-40, Buaget Ite	em Justification	Sheet						Date:	March 2009	
Appropriation / Budget Activity / Procurement of Ammunition, A	Serial No: army / 2 / Ammunition produ	uction base support		P-1	Item Nomencla Convention	ature al Munitions Demili	arization, All Type	s (EP1700)		
Program Elements for Code B Iten	ns:	Code:	Other	Related Program	Elements:					
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				9.8						9.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				9.8						9.8
Initial Spares										
Total Proc Cost				9.8						9.8
Flyaway U/C										
Weapon System Proc U/C Description: The Conventional Ammunition De	emilitarization progran	m funds the den	nilitarization ar	nd disposal of con	ventional ammu	unition that is ur	serviceable, ol	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Million \$0.000 Million \$0.000 Million	n \$9.800 I	Million	ventional ammu	unition that is ur	sserviceable, ol	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	sserviceable, of	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	serviceable, ot	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	sserviceable, ol	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	sserviceable, ol	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	sserviceable, ol	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	sserviceable, of	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	serviceable, ol	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	sserviceable, of	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	sserviceable, of	osolete, unsafe, o	or excess to requir	ements.
Description: The Conventional Ammunition De OIF FY 2009 OCO Requirement: FY 2009 Bridge Enacted**:	OEF \$9.800 Million \$0.000 Million	Total \$0.000 Millio \$0.000 Million	n \$9.800 I	Million Million	ventional ammu	unition that is ur	serviceable, of	osolete, unsafe, o	or excess to requir	ements.

Exhibit P-5, Weapon AMMO Cost Analysis Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 2 / Amproduction base support				P-1 Line Item Nomenclature: Conventional Munitions Demilitarization, All Types (EP1700)					Weapon System Type:		Date: March 2009	
		ID	FY 07				FY 08			FY 09		
Cost Elements		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
			\$000	Tons	\$000	\$000	Tons	\$000	\$000	Tons	\$000	
FY 2009 OCO Request												
EP1800-Conventional Ammo Demil (SMCA)									9800)		
Subtotal Overseas Contingency Operations									9800)		
Total:									9800)		

Exhibit P-40, Budget Item	Date: March 2009									
Appropriation / Budget Activity / Seri Procurement of Ammunition, Army	P-1	l Item Nomencla CONVENT	ature TONAL AMMUNIT							
Program Elements for Code B Items:	Code:	Other	Related Program	Elements:						
	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty										
Gross Cost				9.8						9.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc P1				9.8						9.8
Initial Spares										
Total Proc Cost				9.8						9.8
Flyaway U/C										
Weapon System Proc U/C										
Description: The Conventional Ammunition Demil	1 0									

Justification:

ammunition.

FY 2009 Overseas Contingency Operations (OCO) request demilitarizes an additional 4,048 tons of conventional ammunition that must be retrograded from the Area of Operations. Additionally, funds will be used to prepare the munitions for transportation and transport to their final disposal facility.

program funds movement of ammunition for demilitarization and technical support for demil projects at various installations and the commercial contracts for closed disposal of demilitarization

Exhibit P-5, Weapon AMMO Cost Analysis Appropriation/Budget Activity/Serial No: Procurement of Ammunition, Army / 2 / Amm production base support			on CON	P-1 Line Item Nomenclature: CONVENTIONAL AMMUNITION DEMILITARIZATION (SMCA) (EP1800)					Weapon System Type:		Date: March 2009	
AMMO		ID	FY 07				FY 08		FY 09			
Cost Elements		CD	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	
			\$000	Tons	\$000	\$000	Tons	\$000	\$000	Tons	\$000	
FY 2009 OCO Request												
OTHER DEMIL									730	0 4048		
PACKAGING, CRATING, HANDLING, TRANSPORTA		PCH							250	0		
Subtotal Overseas Contingency Operations									980	0		
Total:									980	0		