

DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2008/2009
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2007

PROCUREMENT OF AMMUNITION,
NAVY AND MARINE CORPS
BUDGET ACTIVITY 2

Department of Defense Appropriations Act, 2007

Procurement of Ammunition, Navy and Marine Corps

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, \$767,314,000, to remain available for obligation until September 30, 2009.

"In accordance with the President's Management Agenda, Budget and Performance Integration initiative, this program has been assessed using the Program Assessment Rating Tool (PART). Remarks regarding program performance and plans for performance improvement can be located at the Expectmore.gov website."

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2008 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1508N PROCUREMENT OF AMMO, NAVY & MARINE CORPS

DATE: 29 JAN 2007

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	FY 2008 QUANTITY	FY 2008 COST	S E C
BUDGET ACTIVITY 02: PROC AMMO, MC									

MARINE CORPS AMMUNITION									
16	SMALL ARMS AMMUNITION							37.1	U
17	MC GROUND FORCES AUGMENTATION							69.4	U
18	5.56 MM, ALL TYPES	A		43.6		28.6			U
19	7.62 MM, ALL TYPES	A		19.0		18.1			U
20	LINEAR CHARGES, ALL TYPES	A		17.2		12.2		*	U
21	.50 CALIBER	A		48.5		8.2			U
22	40 MM, ALL TYPES	A		99.8		48.4		30.7	U
23	60MM, ALL TYPES	A		33.1		12.8		17.4	U
24	81MM, ALL TYPES	A		49.2		74.6		20.3	U
25	120MM, ALL TYPES	A		54.3		43.8		23.8	U
26	CTG 25MM, ALL TYPES	A		12.6		10.8		11.3	U
27	9 MM ALL TYPES	A		.3		4.7			U
28	GRENADERS, ALL TYPES	A		12.3		21.5		26.6	U
29	ROCKETS, ALL TYPES	A		53.4		20.1		2.1	U
30	ARTILLERY, ALL TYPES	A		81.5		47.3		36.6	U
31	EXPEDITIONARY FIGHTING VEHICLE	A		5.7				*	U
32	DEMOLITION MUNITIONS, ALL TYPES	A		46.2		15.9		*	U
33	FUZE, ALL TYPES	A		4.4		1.7		2.3	U
34	NON LETHALS	B		2.7		5.2		4.2	U
35	AMMO MODERNIZATION	A		23.2		7.7		5.3	U
36	ITEMS LESS THAN \$5 MILLION	A		20.9		.1			U
TOTAL PROC AMMO, MC BA 02				627.9		381.6		287.3	

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UNCLASSIFIED

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2007				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (100000) SMALL ARMS AMMUNITION							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY2012	FY2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	0.000	0.000	37.116	48.560	56.166	38.527	35.612	36.590		252.571
<p>Description: This funding (DODIC A001) supports the procurement of components used in building small arms cartridges in support of the Marine Corps Rifle Team, Quantico, Virginia.</p> <p>The Cartridge, Ball M855 10/Clip (DODIC A059) is the primary ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) with a magazine.</p> <p>The Cartridge, 5.56mm Ball M855 Linked (DODIC A062) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun and is intended for training during dry conditions where tracer ammunition is restricted from use.</p> <p>The Cartridge, 5.56mm 4 Ball M855/1 Tracer M856 Linked (DODIC A064) is the standard ammunition used for combat and training in the M249 Squad Automatic Weapon (SAW) Machine Gun. The M856 Tracer cartridge is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p> <p>The Cartridge, 5.56mm Blank M200 Linked (DODIC A075) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun. It is designed to simulate firing during training exercises. The cartridge is identified by a rosette crimp closure of the cartridge mouth.</p> <p>The Cartridge, 5.56mm Blank M200 Single Round (DODIC A080) is used in the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) Machine Gun with a magazine. It is designed to simulate firing during training exercises. The cartridge can be identified by a rosette crimp closure of the cartridge mouth.</p> <p>The Cartridge, Caliber .22 Long Rifle Match (DODIC A091) is used in .22 caliber Remington Model 40X-H1 rifles for military marksmanship training.</p> <p>The Cartridge, 7.62MM (DODIC A102) ball ammunition is designed for use with the AK47 rifle to provide simulated enemy actions during training evolutions.</p> <p>The Cartridge, 7.62MM blank (DODIC A103) is designed for training exercises to simulate live fire with the AK47 assault rifle.</p> <p>The Cartridge, 7.62MM 4 Ball M80/1 Tracer M62 Linked (DODIC A131) is mainly used in the M240 Machine Guns against personnel and unarmored targets. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p> <p>The Cartridge, 7.62MM Ball M80 Linked (DODIC A143) is used mainly in the M240 machine guns against personnel and unarmored targets. The DODIC A143 is used to augment DODIC A131 as dictated by local fire conditions.</p> <p>The Cartridge, 7.62MM 4 M80 Ball/1 M62 Tracer Linked (DODIC A151) is mainly used in the M240 Machine Gun for training when overhead fire is required. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p> <p>The Cartridge, 9mm Jacketed Hollow Point JHP (DODIC A260) ammunition is a 9mm cartridge that produces a subsonic velocity and may be used in M9 Pistols and MP5N Submachine Guns.</p>											

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (100000) SMALL ARMS AMMUNITION
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	0.000	0.000	37.116	48.560	56.166	38.527	35.612	36.590		252.571

The Cartridge, 9mm Training-Practice Tracer (TP-T) M939 for Anti-Tank-4 (AT-4) (DODIC A358) is intended for use in the M287 Target Practice Launcher for training on the M136 (AT-4) Anti-Tank weapon. This cartridge is the only authorized ammunition for use in the M287 Target Practice Launcher. The projectile of the 9mm M939 has a tracer element which allows the user to visually observe the flight of the projectile to the point of impact.

The Cartridge, 9mm Ball M882 (DODIC A363) is intended for use against enemy personnel and for security purposes. This cartridge may be used in the M9 Service Pistol and the MP5N Submachine Gun.

The Cartridge caliber .380 (DODIC A415) ammunition is used by the Commandant of the Marine Corps personal security detail.

The Cartridge, .45 Caliber Wadcutter (DODIC A482) is intended for use in the M1911/A1 Caliber Pistol. The billet has a sharp shoulder that acts as a hole punch to cut a clean hole in the target.

The Cartridge, Caliber .45 Ball M1911 Match (DODIC A483) is intended for use in competitive match programs and target practice and is used in the M1911/A1 Automatic Pistols. The word MATCH or NM (National Match) stamped on the case head identifies this cartridge.

The Cartridge, Caliber .50 M33 Linked (DODIC A555) is used in M2 .50 Caliber Machine Guns to augment DODIC A576 as dictated by local fire conditions.

The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC A576) is used in M2 .50 caliber Machine Guns against armored targets. Upon impact with the target, the incendiary mixture bursts into flames and ignites the flammable material.

The Cartridge, Caliber .50 Blank M1A1 Linked (DODIC A598) is used to simulate firing in training exercises using the M2 Machine Guns. The M1A1 Cartridge is identified by the absence of a bullet.

The Cartridge, Caliber .50 API MK211 Mod 0 Single Round (DODIC A606) is used in the M82A3 Special Application Scoped Rifle (SASR) sniper rifle against armored targets. This cartridge is an improved version of the M8-API that provides penetration, fragmentation, and fire starting capabilities upon impact.

The Cartridge, 7.62MM Long Range M118 LR (DODIC AA11) is intended for long-range sniper and match firing and is used in the M86 Sniper and the M14 Rifles. This cartridge is used in training and for missions demanding accurate single fire that typically involves sniper and marksmanship applications.

The Cartridge, 9mm Red Marking (DODIC AA12) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target indicating a hit.

The Cartridge, 9mm Blue Marking (DODIC AA21) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target indicating a hit.

The Cartridge, Caliber .50 SLAP-T (DODIC AA38) is used for training in the in-bore device on a M1A1 tank. It is ballistically matched to the 120mm TP-T cartridge and has a tracer burn out in excess of 2000 meters.

Exhibit P-40, Budget Item Justification, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (100000) SMALL ARMS AMMUNITION
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	0.000	0.000	37.116	48.560	56.166	38.527	35.612	36.590		252.571

Cartridge 5.56 Special Match Molydenum Coated (DODIC AA67). This cartridge is in support of the Marine Corps Competition in Arms Program.

The Cartridge, 5.56mm FX Blue Marking Linked (DODIC AA91) is used in the M249 Squad Automatic Weapon simulating automatic weapon live fire. When the round impacts a target the plastic sheath breaks and marks the target indicating a hit.

The Cartridge, 5.56mm FX Red Marking Linked (DODIC AA92) is used in the M249 Squad Automatic Weapon simulating automatic weapon live fire. When the round impacts a target the plastic sheath breaks and marks the target indicating a hit.

The Cartridge, 5.56mm FX Blue Marking Single Round (DODIC AB05) is used in the M16 series weapons simulating semi-automatic weapon live fire. When the round impacts a target the plastic sheath breaks and marks the target indicating a hit.

The Cartridge, 5.56mm FX Red Marking Single Round (DODIC AB06) is used in the M16 series weapons simulating semi-automatic weapon live fire. When the round impacts a target the plastic sheath breaks and marks the target indicating a hit.

The Cartridge, 9mm Spotting Rifle MK212 Mod 0 (DODIC AX11) is used on the MK153 Assault Rocket Launcher (ARL)/Shoulder-Launched Multipurpose Assault Weapon (SMAW).

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

Exhibit P-40a, Budget Item Justification for Aggregated Items						Date: FEBRUARY 2007				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (100000) SMALL ARMS AMMUNITION						
	ID Code	FY2006	FY2007	FY2008	FY2009					
A001, RIFLE TEAM AMMUNITION	A	0.000	0.000	0.000	0.228					
QTY		0	0	0	0					
A091, CTG, CAL.22 LR MATCH F/RIFLE	A	0.000	0.000	0.000	0.057					
QTY		0	0	0	335,294					
A102, CTG, 7.62MM X 39 FOR AK-47	A	0.000	0.000	0.084	0.074					
QTY		0	0	227,027	194,736					
A103, CTG 7.62MM X 39 BLANK F/AK-47	A	0.000	0.000	0.020	0.020					
QTY		0	0	60,606	58,823					
A415, CTG, CAL .380 BALL (9MM SHORT)	A	0.000	0.000	0.004	0.004					
QTY		0	0	36,363	33,333					
AA12, CTG, 9MM SESAMS (RED)	A	0.000	0.000	1.605	1.639					
QTY		0	0	3,414,893	3,414,583					
AA21, CTG, 9MM SESAMS (BLUE)	A	0.000	0.000	1.704	1.749					
QTY		0	0	3,625,531	3,643,750					
AA67, CTG 5.56MM MOLLY COATED	A	0.000	0.000	0.197	0.167					
QTY		0	0	378,846	315,094					
P40a Subtotal		0.000	0.000	3.614	3.938					

Exhibit P-40a, Budget Item Justification for Aggregated Items						Date: FEBRUARY 2007				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (100000) SMALL ARMS AMMUNITION						
	ID Code	FY2006	FY2007	FY2008	FY2009					
AA91, CTG 5.56MM BLUE MARKING LINKED	A	0.000	0.000	0.087	0.092					
QTY		0	0	135,937	141,538					
AA92, CTG 5.56MM RED MARKING LINKED	A	0.000	0.000	0.046	0.047					
QTY		0	0	71,875	72,307					
AB05, CTG 5.56MM BLUE SINGLE ROUND	A	0.000	0.000	0.041	0.043					
QTY		0	0	75,925	78,181					
AB06, CTG 5.56MM RED SINGLE ROUND	A	0.000	0.000	0.030	0.031					
QTY		0	0	55,555	56,363					
AX11, CTG, 9MM FOR SMAW	A	0.000	0.000	0.631	0.650					
QTY		0	0	264,016	270,833					
P40a Sub total		0.000	0.000	0.835	0.863					
P40a Total		0.000	0.000	4.449	4.801					

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number:			ID Code:			P-1 Line Item Nomenclature:						
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A			(100000) SMALL ARMS AMMUNITION						
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
A059, CTG, 5.56MM BALL*												
LOAD, ASSEMBLE & PACK (LAP)							15.380	61,249,153	0.25	18.592	66,425,402	0.28
BOX METAL M2A1(EA)							0.802	74,112	10.83	0.889	80,375	11.06
A062, CTG, 5.56MM BALL LINKED*												
LOAD, ASSEMBLE & PACK (LAP)							0.120	298,959	0.40	0.136	353,379	0.39
A064, CTG, 5.56MM 4 & 1 LINKED*												
LOAD, ASSEMBLE & PACK (LAP)							3.344	6,865,181	0.49	3.332	6,721,095	0.50
A075, CTG, 5.56MM BLANK LINKED*												
LOAD, ASSEMBLE & PACK (LAP)							0.784	2,813,465	0.28	1.273	3,776,246	0.34
A080, CTG, 5.56MM BLANK*												
LOAD, ASSEMBLE & PACK (LAP)							0.921	5,778,945	0.16	1.299	7,944,811	0.16
BOX METAL M2A1(EA)							0.056	5,144	10.83	0.078	7,071	11.06
A131, CTG, 7.62MM 4 & 1 LINKED*												
LOAD, ASSEMBLE & PACK (LAP)							4.032	6,898,901	0.58	7.005	10,432,463	0.67
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
SUB TOTAL	0.000			0.000			25.439			32.604		

Exhibit P-5, Cost Analysis		Weapon System			Date: FEBRUARY 2007							
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				ID Code: A	P-1 Line Item Nomenclature: (100000) SMALL ARMS AMMUNITION							
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
A143, CTG, 7.62MM BALL LINKED*												
LOAD, ASSEMBLE & PACK (LAP)							1.039	1,805,207	0.58	1.005	1,450,726	0.69
A151, CTG, 7.62MM 4 & 1 LINKED*												
LOAD, ASSEMBLE & PACK (LAP)							0.126	293,777	0.43	0.160	309,201	0.52
A260, CTG, 9MM SUBSONIC JHP												
LOAD, ASSEMBLE & PACK (LAP)							0.170	296,735	0.57			
BOX METAL M2A1 (EA)							0.003	303	10.83			
A358, CTG, 9MM TP-T FOR AT-4												
LOAD, ASSEMBLE & PACK (LAP)							0.219	346,879	0.63	0.222	332,046	0.67
A363, CTG, 9MM BALL*												
LOAD, ASSEMBLE & PACK (LAP)										0.584	4,142,517	0.14
BOX METAL M2A1 (EA)										0.047	4,226	11.06
A482, .45 CAL WADCUTTER												
LOAD, ASSEMBLE & PACK (LAP)										0.047	151,600	0.31
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
SUB TOTAL	0.000			0.000			1.557			2.065		

Exhibit P-5a, Procurement History and Planning				Weapon System			Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (100000) SMALL ARMS AMMUNITION						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
HARDWARE										
A059, CTG, 5.56MM BALL										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	45,936,864	0.25	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2008	15,312,289	0.25	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 08	MAR 09	YES	
FY 2009	49,819,052	0.28	JMC, ROCK ISLAND, IL	OCT 04	C/OTHER	TBD	JAN 09	OCT 09	YES	
FY 2009	16,606,350	0.28	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 09	MAR 10	YES	
BOX METAL M2A1(EA)										
FY 2008	59,290	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 08	OCT 08	YES	
FY 2008	14,822	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 08	SEP 08	YES	
FY 2009	64,300	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 09	SEP 09	YES	
FY 2009	16,075	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 09	SEP 09	YES	
A062, CTG, 5.56MM BALL LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	298,959	0.40	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2009	353,379	0.39	JMC, ROCK ISLAND, IL	OCT 04	C/OPTION	TBD	JAN 09	OCT 09	YES	
A064, CTG, 5.56MM 4 & 1 LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	5,148,886	0.49	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2008	1,716,295	0.49	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 08	MAR 09	YES	
FY 2009	5,040,821	0.50	JMC, ROCK ISLAND, IL	OCT 04	C/OTHER	TBD	JAN 09	OCT 09	YES	
FY 2009	1,680,274	0.50	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 09	MAR 10	YES	
A075, CTG, 5.56MM BLANK LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	2,813,465	0.28	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2009	3,776,246	0.34	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 09	OCT 09	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System			Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (100000) SMALL ARMS AMMUNITION						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
HARDWARE										
A080, CTG, 5.56MM BLANK										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	4,334,209	0.16	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2008	1,444,736	0.16	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 08	MAR 09	YES	
FY 2009	5,958,608	0.16	JMC, ROCK ISLAND, IL	OCT 04	C/OTHER	TBD	JAN 09	OCT 09	YES	
FY 2009	1,986,203	0.16	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 09	MAR 10	YES	
BOX METAL M2A1 (EA)										
FY 2008	4,115	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 08	SEP 08	YES	
FY 2008	1,029	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 08	SEP 08	YES	
FY 2009	5,657	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 09	SEP 09	YES	
FY 2009	1,414	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 09	SEP 09	YES	
A131, CTG, 7.62MM 4 & 1 LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	5,174,176	0.58	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2008	1,724,725	0.58	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 08	MAR 09	YES	
FY 2009	7,824,347	0.67	JMC, ROCK ISLAND, IL	OCT 04	C/OTHER	TBD	JAN 09	OCT 09	YES	
FY 2009	2,608,116	0.67	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 09	MAR 10	YES	
A143, CTG, 7.62MM BALL LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	1,805,207	0.58	JMC, ROCK ISLAND, IL	OCT 05	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2009	1,450,726	0.69	JMC, ROCK ISLAND, IL	OCT 05	C/OTHER	TBD	JAN 09	OCT 09	YES	
A151, CTG, 7.62MM 4 & 1 LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	293,777	0.43	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2009	309,201	0.52	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 09	OCT 09	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System			Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (100000) SMALL ARMS AMMUNITION						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
HARDWARE										
A260, CTG, 9MM SUBSONIC JHP										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	296,735	0.57	JMC, ROCK ISLAND, IL	OCT 04	C/FP	TBD	JAN 08	JUL 08	YES	
BOX METAL M2A1 (EA)										
FY 2008	303	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BWAY CORPORATION, ATLANTA, GA	MAR 08	JUN 08	YES	
A358, CTG, 9MM TP-T FOR AT-4										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	346,879	0.63	JMC, ROCK ISLAND, IL	OCT 05	C/OPT	AMMUNITION ACCESSORIES INC, LEWISTON, ID	MAR 08	JAN 09	YES	
FY 2009	332,046	0.67	JMC, ROCK ISLAND, IL	OCT 05	C/FP	TBD	APR 09	APR 10	YES	
A363, CTG, 9MM BALL										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2009	4,142,517	0.14	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	OLIN CORP EAST ALTON, IL	JAN 09	JUL 09	YES	
BOX METAL M2A1 (EA)										
FY 2009	3,381	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BWAY CORPORATION, ATLANTA, GA	MAR 09	MAY 09	YES	
FY 2009	845	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BEST FOAM FAB, CHICAGO, IL	MAR 09	MAY 09	YES	
A482, .45 CAL WADCUTTER										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2009	151,600	0.31	JMC, ROCK ISLAND, IL	OCT 04	C/FP	TBD	JAN 10	JUL 10	YES	
A483, .45 BALL 1911 MATCH										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2009	544,117	0.34	JMC, ROCK ISLAND, IL	OCT 05	C/FP	TBD	JAN 10	JUL 10	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System			Date:			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (100000) SMALL ARMS AMMUNITION						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
HARDWARE										
A555, CTG, CAL .50 M33 LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	131,409	2.10	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2009	126,056	2.42	JMC, ROCK ISLAND, IL	OCT 04	C/OTHER	TBD	JAN 09	OCT 09	YES	
BOX METAL M2A1 (EA)										
FY 2008	1,073	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 08	SEP 08	YES	
FY 2008	268	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 08	SEP 08	YES	
FY 2009	1,029	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 09	SEP 09	YES	
FY 2009	257	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 09	SEP 09	YES	
A576, CTG, CAL .50 4 & 1 LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	1,638,378	2.39	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2009	2,559,608	2.73	JMC, ROCK ISLAND, IL	OCT 04	C/OTHER	TBD	JAN 09	OCT 09	YES	
BOX METAL M2A1 (EA)										
FY 2008	13,370	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 08	SEP 08	YES	
FY 2008	3,342	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 08	SEP 08	YES	
FY 2009	20,887	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 09	SEP 09	YES	
FY 2009	5,222	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 09	SEP 09	YES	
A598, CTG, CAL .50 BLANK LINKED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	183,376	1.00	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 08	OCT 08	YES	
FY 2009	85,690	1.21	JMC, ROCK ISLAND, IL	OCT 04	C/OTHER	TBD	JAN 09	OCT 09	YES	
BOX METAL M2A1 (EA)										
FY 2008	1,497	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 08	SEP 08	YES	
FY 2008	374	10.83	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 08	SEP 08	YES	
FY 2009	875	11.06	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 09	SEP 09	YES	

Exhibit P-21, Production Schedule	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (100000) SMALL ARMS AMMUNITION
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
A059	1 GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	0.0	5.7	14.2	6	8	9	9	17	M
	2 ALLIANT TECH (LCAAP), INDEPENDENCE, MO	0.0	19.4	67.5	6	3	9	9	12	M
	3 TBD	0.0	0.0	0.0	6	3	9	9	12	M

Fiscal Year 2006	Fiscal Year 2007
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Item	Calendar Year 2006												Calendar Year 2007																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
A059	2008	MC1	15.3	0	15.3																									15.3
	2008	MC2	45.9	0	45.9																									45.9
	2009	MC1	16.6	0	16.6																									16.6
	2009	MC3	49.8	0	49.8																									49.8

Fiscal Year 2008	Fiscal Year 2009
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Item	Calendar Year 2008												Calendar Year 2009																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
A059	2008	MC1	15.3	0	15.3									A																16.6
	2008	MC2	45.9	0	45.9				A								4.0	4.0	2.4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	4.0	4.0	0
	2009	MC1	16.6	0	16.6																					A				16.6
	2009	MC3	49.8	0	49.8																A									49.8

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-21, Production Schedule Date: FEBRUARY 2007

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition Weapon System P-1 Line Item Nomenclature: (100000) SMALL ARMS AMMUNITION

Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
A131	1 ALLIANT TECH (LCAAP), INDEPENDENCE, MO	0.0	13.85	47.80	6	3	9	9	12	M
	2 GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	0.0	5.0	10.0	6	8	9	9	17	M
	3 TBD	0.0	0.0	0.0	6	3	9	9	12	M

Fiscal Year 2006 Fiscal Year 2007

Item	Calendar Year 2006												Calendar Year 2007																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
A131	2008	MC1	5.17	0	5.17																									5.17
	2008	MC2	1.72	0	1.72																									1.72
	2009	MC3	7.82	0	7.82																									7.82
	2009	MC2	2.61	0	2.61																									2.61

Fiscal Year 2008 Fiscal Year 2009

Item	Calendar Year 2008												Calendar Year 2009																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
A131	2008	MC1	5.17	0	5.17													0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.27	0
	2008	MC2	1.72	0	1.72									A									0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.32
	2009	MC3	7.82	0	7.82																									7.82
	2009	MC2	2.61	0	2.61																						A			2.61

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-21, Production Schedule	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (100000) SMALL ARMS AMMUNITION
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
A576	1 ALLIANT TECH (LCAAP), INDEPENDENCE, MO	0.0	1.15	3.96	6	3	9	9	12	M
	2 TBD	0.0	0.0	0.0	6	3	9	9	12	M

Fiscal Year 2010	Fiscal Year 2011
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Item	Calendar Year 2010												Calendar Year 2011																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
A576	2008	MC1	1.64	1.64	0																									0
	2009	MC2	2.56	0	2.56	0.22	0.21	0.21	0.21	0.21	0.22	0.21	0.22	0.21	0.21	0.22	0.21													0

Fiscal Year 2012	Fiscal Year 2013
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Item	Calendar Year 2012												Calendar Year 2013																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-40, Budget Item Justification Sheet

Date: February 2007

Appropriation / Budget Activity/Serial No: Procurement of Ammunition, Navy and Marine Corps (1508)/ BA2 - Marine Corps Ammunition
 P-1 Item Nomenclature: 1001 Ground Forces Augmentation

Program Element: 0206211M Divisions (Marine) Code: A Other Related Program Elements:

	Prior Years*	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Prog
Proc Qty											
Gross Cost	0.0	0.0	0.0	69.4	91.1	117.4	127.1	118.1	120.6	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0	0.0	0.0	69.4	91.1	117.4	127.1	118.1	120.6	Cont	Cont
Initial Spares											
Total Proc Cost	0.0	0.0	0.0	69.4	91.1	117.4	127.1	118.1	120.6	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Achieving victory in the Long War: Upon completing a reexamination of Marine Corps structure and manning for both the current Global War on Terrorism (GWOT) and future requirements, the President has approved an increase in endstrength to 202,000 over the next five years. To posture forces for the Long War and relieve deployment strain resulting from GWOT operations, personnel policies, organizational constructs, infrastructure, equipping/resetting the force and training support must all be adjusted to more sustainable levels. The approved endstrength will achieve the desired 1:2 deployment-to-dwell ration required to support the long war while maintaining readiness for the full spectrum of mission requirements the Nation expects from the Marine Corps. This shift also requires that as the Marine Corps resets the force of today through the procurement of replacement equipment for that which has been destroyed or worn far beyond peacetime rates, we do not do so by adding risk to our modernization efforts, which are key to future readiness and combat capability.

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (101000) 5.56MM, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY2012	FY2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	43.553	28.553	0.000	0.000	0.000	0.000	0.000	0.000		72.106

Description: The Cartridge, Ball M855 10/Clip (DODIC A059) is the primary ball ammunition for the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) with a magazine.

The Cartridge, 5.56mm Ball M855 Linked (DODIC A062) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun and is intended for training during dry conditions where tracer ammunition is restricted from use.

The Cartridge, 5.56mm 4 Ball M855/1 Tracer M856 Linked (DODIC A064) is the standard ammunition used for combat and training in the M249 Squad Automatic Weapon (SAW) Machine Gun. The M856 Tracer cartridge is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.

The Cartridge, 5.56mm Plastic Ball Practice M862 (DODIC A065) is a short range cartridge used for training purposes with the M16 and M4 Series Rifles adapted with the M2 bolt.

The Cartridge, 5.56mm Blank M200 Linked (DODIC A075) is used in the M249 Squad Automatic Weapon (SAW) Machine Gun. It is designed to simulate firing during training exercises. The cartridge is identified by a rosette crimp closure of the cartridge mouth.

The Cartridge, 5.56mm Blank M200 Single Round (DODIC A080) is used in the M16A2 Rifle and can be used in the M249 Squad Automatic Weapon (SAW) Machine Gun with a magazine. It is designed to simulate firing during training exercises. The cartridge can be identified by a rosette crimp closure of the cartridge mouth.

The Cartridge, 5.56mm Jacketed Frangible (DODIC AA40) is intended to penetrate soft targets with the projectile breaking up on impact with hard targets. The cartridge is used in the M16 series weapons.

The Cartridge, 5.56mm special match, MK 262, Non-MOLY coated (Tactical)(DODIC AA53) round provides added lethality to the M4 weapon. This .77 grain cartridge enhances special operations capabilities.

Cartridge 5.56 Special Match Molydenum Coated (DODIC AA67). This cartridge is in support of the Marine Corps Competition in Arms Program.

Exhibit P-40, Budget Item Justification, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (101000) 5.56MM, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	43.553	28.553	0.000	0.000	0.000	0.000	0.000	0.000		72.106

The Cartridge, 5.56mm Plastic Ball Practice M862 (DODIC AA68) is a short range cartridge used for training purposes with the M16 and M4 Series Rifles adapted with the M2 bolt. The M862 Cartridge contains a plastic projectile made of a polycarbonate blend.

The Cartridge, 5.56mm FX Blue Marking Linked (DODIC AA91) is used in the M249 Squad Automatic Weapon simulating automatic weapon live fire. When the round impacts a target the plastic sheath breaks and marks the target indicating a hit.

The Cartridge, 5.56mm FX Red Marking Linked (DODIC AA92) is used in the M249 Squad Automatic Weapon simulating automatic weapon live fire. When the round impacts a target the plastic sheath breaks and marks the target indicating a hit.

The Cartridge, 5.56mm FX Blue Marking Single Round (DODIC AB05) is used in the M16 series weapons simulating semi-automatic weapon live fire. When the round impacts a target the plastic sheath breaks and marks the target indicating a hit.

The Cartridge, 5.56mm FX Red Marking Single Round (DODIC AB06) is used in the M16 series weapons simulating semi-automatic weapon live fire. When the round impacts a target the plastic sheath breaks and marks the target indicating a hit.

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

*Beginning in FY08, funding moved to PANMC 1000 Small Arms Ammunition.

FY06 funding includes \$10.284M in Supplemental funds.

FY07 funding includes \$16.437M Title IX funds.

Exhibit P-5, Cost Analysis		Weapon System			Date: FEBRUARY 2007							
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (101000) 5.56MM, ALL TYPES								
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
A059, CTG, 5.56MM BALL*												
LOAD, ASSEMBLE & PACK (LAP)	30.345	136,267,623	0.22	22.899	93,351,274	0.25						
BOX METAL M2A1(EA)	1.451	164,884	8.80	1.044	112,956	9.24						
A062, CTG, 5.56MM BALL LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	3.315	13,181,805	0.25	0.267	1,006,693	0.27						
A064, CTG, 5.56MM 4 & 1 LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	4.177	11,377,861	0.37	1.855	3,892,787	0.48						
A065, CTG, 5.56MM PLASTIC*												
LOAD, ASSEMBLE & PACK (LAP)				0.654	1,635,000	0.40						
A075, CTG, 5.56MM BLANK LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	1.239	4,293,302	0.29	0.089	331,637	0.27						
A080, CTG, 5.56MM BLANK*												
LOAD, ASSEMBLE & PACK (LAP)	1.769	15,864,262	0.11	0.317	2,035,048	0.16						
BOX METAL M2A1(EA)	0.124	14,120	8.80	0.017	1,812	9.24						
AA68, CTG 5.56MM SRTA												
LOAD, ASSEMBLE & PACK (LAP)	0.325	833,333	0.39									
ACCEPTANCE TESTING												
	0.141			0.144								
INDUSTRIAL STOCK SUPPORT												
	0.470			0.514								
QUALITY ASSURANCE												
	0.015			0.015								
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	43.371			27.815								

Exhibit P-5a, Procurement History and Planning				Weapon System			Date:			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (101000) 5.56MM, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
A059, CTG, 5.56MM BALL LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	118,348,743	0.22	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	DEC 05	OCT 06	YES	
FY 2006	17,918,880	0.22	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	AUG 06	JUN 07	YES	
FY 2007	70,013,456	0.25	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
FY 2007	23,337,818	0.25	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 07	MAR 08	YES	
BOX METAL M2A1(EA)										
FY 2006	131,907	8.80	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 06	SEP 06	YES	
FY 2006	32,977	8.80	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JUN 06	AUG 06	YES	
FY 2007	90,365	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 07	OCT 07	YES	
FY 2007	22,591	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 07	AUG 07	YES	
A062, CTG, 5.56MM BALL LINKED LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	13,181,805	0.25	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	MAR 06	OCT 06	YES	
FY 2007	1,006,693	0.27	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH, INDEPENDENCE, MO	JAN 07	OCT 07	YES	
A064, CTG, 5.56MM 4 & 1 LINKED LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	3,672,261	0.37	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	DEC 05	OCT 06	YES	
FY 2006	7,705,600	0.37	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	AUG 06	NOV 07	YES	
FY 2007	2,919,590	0.48	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
FY 2007	973,197	0.48	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 07	MAR 08	YES	
A065, CTG, 5.56MM PLASTIC LOAD, ASSEMBLE & PACK (LAP)										
FY 2007	1,635,000	0.40	JMC, ROCK ISLAND, IL	OCT 05	SS/FP	OLIN WINCHESTER, EAST ALTON, IL	MAR 07	MAR 08	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System			Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (101000) 5.56MM, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
A075, CTG, 5.56MM BLANK LINKED LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	4,293,302	0.29	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	FEB 06	JAN 07	YES	
FY 2007	331,637	0.27	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
A080, CTG, 5.56MM BLANK LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	15,864,242	0.11	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	FEB 06	OCT 06	YES	
FY 2007	1,526,286	0.16	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
FY 2007	508,762	0.16	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 07	MAR 08	YES	
BOX METAL M2A1 (EA)										
FY 2006	11,296	8.80	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BWAY CORPORATION, ATLANTA, GA	MAR 06	SEP 06	YES	
FY 2006	2,824	8.80	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BEST FOAM FAB, CHICAGO, IL	JUN 06	AUG 06	YES	
FY 2007	1,450	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BWAY CORPORATION, ATLANTA, GA	MAR 07	SEP 07	YES	
FY 2007	362	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OPT	BEST FOAM FAB, CHICAGO, IL	MAR 07	SEP 07	YES	
AA68, CTG 5.56MM SRTA LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	833,333	0.39	JMC, ROCK ISLAND, IL	OCT 05	SS/FP	OLIN WINCHESTER, EAST ALTON, IL	FEB 06	OCT 06	YES	

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2007				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (102000) 7.62MM, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	19.023	18.059	0.000	0.000	0.000	0.000	0.000	0.000		37.082
<p>Description: The Cartridge, 7.62MM (DODIC A102) ball ammunition is designed for use with the AK47 rifle to provide simulated enemy actions during training evolutions.</p> <p>The Cartridge, 7.62MM blank (DODIC A103) is designed for training exercises to simulate live fire with the AK47 assault rifle.</p> <p>The Cartridge, 7.62MM 4 Ball M80/1 Tracer M62 Linked (DODIC A131) is mainly used in the M240 Machine Guns against personnel and unarmored targets. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p> <p>The Cartridge, 7.62MM Ball M80 Linked (DODIC A143) is used mainly in the M240 machine guns against personnel and unarmored targets. The DODIC A143 is used to augment DODIC A131 as dictated by local fire conditions.</p> <p>The Cartridge, 7.62MM 4 M80 Ball/1 M62 Tracer Linked (DODIC A151) is mainly used in the M240 Machine Gun for training when overhead fire is required. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p> <p>The Cartridge, 7.62MM Long Range M118 LR (DODIC AA11) is intended for long-range sniper and match firing and is used in the M86 Sniper and the M14 Rifles. This cartridge is used in training and for missions demanding accurate single fire that typically involves sniper and marksmanship applications.</p> <p>The Cartridge, 7.62MM Armor Piercing M993 Single Round (DODIC AA03) is used mainly in the M40/A1 rifle against enemy personnel in covered or protected fighting positions such as concrete barriers, buildings or in vehicles.</p> <p>The Cartridge, 7.62MM 4 Armor Piercing M993 and 1 Tracer M62 Linked Single Round (DODIC AA04) is used mainly in the M240 Machine Guns against enemy personnel in covered or protected fighting positions such as concrete barriers, buildings or in vehicles. The M62 Tracer round is intended to permit visible observation of the bullet's in-flight path or trajectory to the point of impact.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>Beginning in FY08, funding moved to PANMC 1000 Small Arms Ammunition.</p> <p>FY06 funding includes \$6.685M in Supplemental funds. FY07 funding includes \$10.675M Title IX funds.</p>											

Exhibit P-5, Cost Analysis		Weapon System			Date: FEBRUARY 2007							
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(102000) 7.62MM, ALL TYPES								
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
A131, CTG, 7.62MM 4 & 1 LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	13.099	24,598,400	0.53	15.435	25,310,969	0.61						
A143, CTG, 7.62MM BALL LINKED*												
LOAD, ASSEMBLE & PACK (LAP)				0.595	1,115,417	0.53						
A151, CTG, 7.62MM 4 & 1 LINKED*												
LOAD, ASSEMBLE & PACK (LAP)	1.790	4,491,200	0.40	0.462	1,101,972	0.42						
AA03, CTG, 7.62MM SNGL RD ARMOR PIERCING												
LOAD, ASSEMBLE & PACK (LAP)	0.009	52,347	0.18									
M993 7.62MM AP PENETRATOR	0.090	52,347	1.72									
AA04, CTG, 7.62MM LINKED, ARMOR PIERCING												
LOAD, ASSEMBLE & PACK (LAP)	0.260	820,181	0.32									
M993 7.62MM AP PENETRATOR	1.131	656,145	1.72									
AA11, CTG, 7.62MM BALL LONG RANGE*												
LOAD, ASSEMBLE & PACK (LAP)	1.180	2,269,640	0.52	1.072	1,820,967	0.59						
BOX, METAL, MA1 (EA)	0.038	4,994	7.65	0.037	4,007	9.24						
PRODUCTION ENGINEERING												
	0.191			0.192								
QUALITY ASSURANCE												
	0.000			0.004								
ACCEPTANCE TESTING												
	0.041			0.078								
EXCESS TO PROGRAM (A151)**												
	0.061											
EXCESS TO PROGRAM (A131)**												
	0.169											
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
** PER THE ARMY P-5												
TOTAL												
	18.059			17.875								

Exhibit P-5a, Procurement History and Planning				Weapon System			Date:			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (102000) 7.62MM, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	FY 2010	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
HARDWARE										
A131, CTG, 7.62MM 4 & 1 LINKED LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	9,336,000	0.53	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	DEC 05	JAN 07	YES	
FY 2006	15,262,400	0.53	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	AUG 06	MAY 07	YES	
FY 2007	18,983,227	0.61	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
FY 2007	6,327,742	0.61	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 07	MAR 08	YES	
A143, CTG, 7.62MM BALL LINKED LOAD, ASSEMBLE & PACK (LAP)										
FY 2007	1,115,417	0.53	JMC, ROCK ISLAND, IL	OCT 05	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 07	MAR 08	YES	
A151, CTG, 7.62MM 4 & 1 LINKED LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	4,491,200	0.40	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	FEB 06	NOV 06	YES	
FY 2007	1,101,972	0.42	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
AA03, CTG, 7.62MM SNGL RD AP LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	52,437	0.18	JMC, ROCK ISLAND, IL	OCT 04	SS/FFP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	OCT 06	AUG 07	YES	
M993 7.62MM AP PENETRATOR										
FY 2006	52,437	1.72	JMC, ROCK ISLAND, IL	OCT 04	SS/OPT	NAMMO RAUFOSS A/S RAUFOSSE RAUFOSS, NORWAY N 2831	OCT 06	JUL 07	YES	
AA04, CTG, 7.62MM LINKED, AP LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	820,181	0.32	JMC, ROCK ISLAND, IL	OCT 04	SS/FFP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	OCT 06	AUG 07	YES	
M993 7.62MM AP PENETRATOR										
FY 2006	656,145	1.72	JMC, ROCK ISLAND, IL	OCT 04	SS/OPT	NAMMO RAUFOSS A/S RAUFOSSE RAUFOSS, NORWAY N 2831	OCT 06	JUL 07	YES	
AA11, CTG, 7.62MM BALL LONG RANGE LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	2,269,640	0.52	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	FEB 06	OCT 06	YES	
FY 2007	1,820,967	0.59	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
BOX,METAL,M2A1(EA)										
FY 2006	4,994	7.65	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 06	SEP 06	YES	
FY 2007	3,206	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 07	SEP 07	YES	
FY 2007	801	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 07	SEP 07	YES	

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (103000) LINEAR CHARGES, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	17.201	12.216	0.019	23.501	21.926	17.176	25.756	26.779		144.574

Description: The Rocket Motor, 5-inch MK22 Mod 4 (DODIC J143) is a solid-fuel motor used for towing M58, M59, M68A2, and M69 Linear Demolition Charges (LDCs) into the air over obstacles or minefields for breaching, training, or test applications. The rocket motor is approximately 77 inches long, 5 inches in diameter, weighs 128 pounds, and contains 42 pounds of N-5 double-base propellant.

The Charge, Demolition High Explosive Linear M58A4 (DODIC M913) is a trailer-mounted and rocket-towed linear demolition charge designed to provide a clear path for combat vehicles during minefield and barrier breaching operations. The demolition section consists primarily of a 3/4-inch nylon core rope, 700 composition C4 demolition blocks, and two strands of pentaerythritol tetranitrate (PETN) detonating cord. The total explosive weight of the demolition blocks is 1,750 pounds.

The Charge, Demolition Inert Linear M68A2 (DODIC M914) is a trailer-mounted and rocket-towed inert linear demolition charge designed to simulate the launch and deployment characteristics of the M58A4 linear demolition charge for the purpose of training.

The MK7 MOD 2 mine clearing system, Anti-Personnel Obstacle Breaching System (APOBS) (DODIC MN79) consists of a line charge assembly and a fuze/rocket motor assembly. This item is a lightweight, self-contained, one-shot expendable system that is transported and deployed by a two-man team. APOBS uses the MK126 MOD1 rocket motor to propel a line charge over the obstacle. It is employed in combat operations to breach a lane through wire and anti-personnel mine obstacles.

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes Congressional Adds of \$1M for Charge, Demolition, Linear, High Explosive (HE), Composition C4, M58A4 with Fuze, Electric M113A4 and \$1.35M for Anti-Personnel Obstacle Breaching System (APOBS).

FY07 funding includes 4.216M in Title IX funds.

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (103000) LINEAR CHARGES, ALL TYPES								
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
M913, CHARGE, DEMO LINEAR HE*												
LOAD, ASSEMBLE & PACK (LAP)	2.673	140	19000.00	4.833	258	18736.43				3.695	187	19759.36
COMP C-4 CLASS 3(LB)	2.13	252,000	8.46	3.873	232,200	8.34				2.960	336,600	8.79
FUZE ELECTRIC M1134A4(EA)	0.276	140	1964.54	0.499	258	1937.98				0.382	187	2042.78
MN79, APERS OBSTACLE BREACHING SYS												
LOAD, ASSEMBLE & PACK (LAP)	12.578	1,259	9990.00							13.347	1,336	9990.00
ACCEPTANCE TESTING	0.021			0.039						0.028		
PRODUCTION ENGINEERING	0.073			0.402			0.004			0.078		
QUALITY ASSURANCE	0.039			0.055			0.015			0.054		
GOVERNMENT FURNISHED MATERIAL	-0.276			-0.499						-0.382		
REFURBISHED CONTAINERS	-0.313			-0.479						-0.43		
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	17.201			8.723			0.019			19.732		

Exhibit P-21, Production Schedule	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (103000) DODIC: M913, CHARGE, DEMO LINEAR HE
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
M913	1 AMERICAN ORDNANCE, MILAN, TN	8	105	315	6	5	17	3	22	E

Item	Fiscal Year 2010										Fiscal Year 2011																		
	Calendar Year 2010										Calendar Year 2011																		
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
M913	2006	MC1	140	140	0																								
	2007	MC1	258	258	0																								
	2009	MC1	187	0	187											94	93												

Item	Fiscal Year 2012										Fiscal Year 2013																		
	Calendar Year 2012										Calendar Year 2013																		
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (104000) .50 CALIBER
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	48.479	8.174	0.000	0.000	0.000	0.000	0.000	0.000	0.000	56.653

Description: The Cartridge, Caliber .50 M33 Linked (DODIC A555) is used in M2 .50 Caliber Machine Guns to augment DODIC A576 as dictated by local fire conditions.

The Cartridge, Caliber .50 4 API M8/1 API-T M20 Linked (DODIC A576) is used in M2 .50 caliber Machine Guns against armored targets. Upon impact with the target, the incendiary mixture bursts into flames and ignites the flammable material.

The Cartridge, Caliber .50 Blank M1A1 Linked (DODIC A598) is used to simulate firing in training exercises using the M2 Machine Guns. The M1A1 Cartridge is identified by the absence of a bullet.

The Cartridge, Caliber .50 API MK211 Mod 0 Single Round (DODIC A606) is used in the M82A3 Special Application Scoped Rifle (SASR) sniper rifle against armored targets. This cartridge is an improved version of the M8-API that provides penetration, fragmentation, and fire starting capabilities upon impact.

The Cartridge, Caliber .50 SLAP-T (DODIC AA38) is used for training in the in-bore device on a M1A1 tank. It is ballistically matched to the 120mm TP-T cartridge and has a tracer burn out in excess of 2000 meters.

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes \$15.054M in Supplemental funds.

FY07 funding includes \$4.947M in Title IX funds.

*Beginning in FY08, funding moved to PANMC 1000 Small Arms Ammunition.

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (104000) .50 CALIBER								
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
A555, CTG, CAL .50 BALL LINKED*												
LOAD, ASSEMBLY & PACK (LAP)	4.237	2,100,624	2.02	0.818	404,550	2.02						
BOX METAL M2A1 (EA)	0.198	21,427	9.24	0.038	4,127	9.24						
A576, CTG, CAL .50 4 & 1 LINKED*												
LOAD, ASSEMBLY & PACK (LAP)	38.223	16,476,666	2.32	6.407	2,424,467	2.64						
BOX METAL M2A1 (EA)	1.495	168,062	8.89	0.229	24,730	9.24						
A598, CTG, CAL .50 BLANK LINKED M2*												
LOAD, ASSEMBLY & PACK (LAP)	1.768	2,307,045	0.77	0.181	184,179	0.98						
BOX METAL M2A1 (EA)	0.216	23,532	9.20	0.017	1,879	9.24						
A606, CTG, CAL .50 API SNIPER RIFLE*												
LOAD, ASSEMBLY & PACK (LAP)	1.939	252,710	7.67	0.335	42,193	7.95						
BOX METAL M2A1 (EA)	0.020	2,149	9.20	0.004	431	9.24						
PRODUCTION SUPPORT												
PRODUCTION ENGINEERING	0.368			0.084								
QUALITY ASSURANCE	0.008			0.007								
ACCEPTANCE TESTING	0.007			0.019								
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	48.479			8.139								

Exhibit P-5a, Procurement History and Planning					Weapon System			Date:		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (104000) .50 CALIBER					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
HARDWARE										
A555, CTG, CAL .50 BALL LINKED										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2006	1,918,200	2.02	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	AUG 06	OCT 07	YES	
FY 2006	182,424	2.02	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	AUG 06	FEB 07	YES	
FY 2007	404,550	2.02	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
BOX METAL M2A1(EA)										
FY 2006	17,142	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 06	SEP 06	YES	
FY 2006	4,285	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JUN 06	SEP 06	YES	
FY 2007	3,302	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 07	SEP 07	YES	
FY 2007	825	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 07	SEP 07	YES	
A576, CTG, CAL .50 4 & 1 LINKED										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2006	14,283,066	2.32	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	AUG 06	NOV 06	YES	
FY 2006	2,193,600	2.32	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	AUG 06	DEC 07	YES	
FY 2007	1,939,574	2.64	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
FY 2007	484,893	2.64	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	GENERAL DYNAMICS ORD & TAC, ST. PETERSBURG, FL	JUN 07	JUL 08	YES	
BOX METAL M2A1(EA)										
FY 2006	137,725	8.89	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 06	SEP 06	YES	
FY 2006	30,337	8.89	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEI DEFENSE SYS EULESS, TX	JUN 06	SEP 06	YES	
FY 2007	19,784	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 07	SEP 07	YES	
FY 2007	4,946	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 07	SEP 07	YES	
A598, CTG, CAL .50 BLANK LINKED M2										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2006	2,307,045	0.77	JMC, ROCK ISLAND, IL	OCT 05	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	NOV 06	NOV 07	YES	
FY 2007	184,179	0.98	JMC, ROCK ISLAND, IL	OCT 05	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	DEC 07	YES	
BOX METAL M2A1(EA)										
FY 2006	18,826	9.20	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 06	SEP 06	YES	
FY 2006	4,706	9.20	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JUN 06	SEP 06	YES	
FY 2007	1,503	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 07	SEP 07	YES	
FY 2007	376	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	MAR 07	SEP 07	YES	
A606, CTG, CAL .50 API SNIPER RIFLE										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2006	252,710	7.67	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	AUG 06	JAN 07	YES	
FY 2007	42,193	7.95	JMC, ROCK ISLAND, IL	OCT 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	OCT 07	YES	
BOX METAL M2A1(EA)										
FY 2006	1,719	9.20	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 06	SEP 06	YES	
FY 2006	430	9.20	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BEST FOAM FAB, CHICAGO, IL	JUN 06	SEP 06	YES	
FY 2007	431	9.24	JMC, ROCK ISLAND, IL	OCT 04	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 07	SEP 07	YES	

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (105000) 40MM, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	99.844	48.435	30.679	48.791	10.071	14.650	14.318	14.452		281.240

The Cartridge, 40MM Target Practice (TP) M781 (DODIC B519) is a fixed cartridge of ammunition consisting of a plastic ogive, metal body, and plastic cartridge case. The ogive houses a highly visible yellow-orange dye. The cartridge case is press-fitted with a .38 caliber blank cartridge containing the propellant. This cartridge is fired from the M203 Grenade Launcher and is used for training and contains no high explosive. Upon impact, the projectile ruptures and releases a puff of yellow-orange dye simulating explosive impact.

The Cartridge, 40MM White Star Parachute M583/M583A1 (DODIC B535) is a fixed cartridge of ammunition consisting of a projectile assembly and a cartridge case assembly. This cartridge is fired from the M203 Grenade Launcher and is used for illumination and signaling.

The Cartridge, 40mm High-Explosive Dual-Purpose (HEDP) M430/M430A1 Linked (DODIC B542) is a fixed cartridge of ammunition consisting of an ogive, projectile body, and cartridge case. This cartridge is fired from the MK19 Mod 3 Grenade Machine Gun and is a high explosive, dual-purpose cartridge. The projectile's shaped charge is designed to penetrate two inches of steel armor and inflict personnel casualties in the target area.

The Cartridge, 40mm High-Explosive Dual-Purpose (HEDP) M433 (DODIC B546) is a fixed round of ammunition consisting of an ogive, projectile body, and cartridge case. This cartridge is fired from the M203 Grenade Launcher and is a high explosive, dual-purpose round. The projectile's shaped charge is designed to penetrate two inches of steel armor and inflict personnel casualties in the target area.

The Cartridge, 40mm Target Practice, Linked M281 MD 0 M385A1 (DODIC BA12) is a fixed cartridge consisting of a projectile body, and cartridge case. This cartridge is fired from the MK19 Mod 3 Grenade Machine Gun and is designed for practice or weapon proof testing. The cartridge is procured as a replacement for the M385 (DODIC B576) and the M918 (DODIC B584).

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes a Congressional Add of \$1.0M for Cartridge, 40MM High Explosive Dual Purpose (HEDP), M430.

FY06 funding includes \$41.148M in Supplemental funds.

FY07 funding includes \$9.227M in Title IX funds.

Exhibit P-5a, Procurement History and Planning					Weapon System		Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (105000) 40MM, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
B519, CTG, 40MM, TARGET PRACTICE FOR M										
CTG, 40MM, TARGET PRACTICE, M781										
FY 2006	1,174,851	3.38	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 06	JAN 07	YES	
FY 2006	961,243	3.38	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 06	JAN 07	YES	
FY 2007	591,214	3.87	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 07	JAN 08	YES	
FY 2007	483,721	3.87	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 07	JAN 08	YES	
FY 2008	610,897	4.01	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 08	JAN 09	YES	
FY 2008	499,826	4.01	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 08	JAN 09	YES	
FY 2009	15,228	5.02	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 09	JAN 10	YES	
FY 2009	12,461	5.02	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 09	JAN 10	YES	
B535, CTG, 40MM WHITE STAR PARACHUTE										
CTG 40MM WHITE STAR PARA M583										
FY 2006	40,476	40.37	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 06	JAN 07	YES	
FY 2006	33,118	40.37	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 06	JAN 07	YES	
FY 2007	27,735	40.85	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 07	JAN 08	YES	
FY 2007	22,693	40.85	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 07	JAN 08	YES	
FY 2008	27,141	42.23	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 08	JAN 09	YES	
FY 2008	22,207	42.23	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 08	JAN 09	YES	
FY 2009	22,822	43.69	JMC, ROCK ISLAND, IL	OCT 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 09	JAN 10	YES	
FY 2009	18,674	43.69	JMC, ROCK ISLAND, IL	OCT 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 09	JAN 10	YES	
B542, CTG, 40MM, HEDP LINKED FOR MK19										
CTG, 40MM, HEDP, M430/A1										
FY 2006	915,750	30.00	JMC, ROCK ISLAND, IL	JAN 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 06	AUG 07	YES	
FY 2006	749,250	30.00	JMC, ROCK ISLAND, IL	JAN 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 06	AUG 07	YES	
FY 2007	405,905	37.70	JMC, ROCK ISLAND, IL	JAN 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 07	AUG 08	YES	
FY 2007	332,105	37.70	JMC, ROCK ISLAND, IL	JAN 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 07	AUG 08	YES	
FY 2008	304,508	37.11	JMC, ROCK ISLAND, IL	JAN 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 08	AUG 09	YES	
FY 2008	249,143	37.11	JMC, ROCK ISLAND, IL	JAN 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 08	AUG 09	YES	
FY 2009	353,494	38.04	JMC, ROCK ISLAND, IL	JAN 05	C/OP	AMTECH CORP JANESVILLE, WI	MAR 09	AUG 10	YES	
FY 2009	289,224	38.04	JMC, ROCK ISLAND, IL	JAN 05	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 09	AUG 10	YES	
B546, CTG, 40MM HEDP FOR M79/M203										
CTG 40MM HEDP M433										
FY 2006	93,218	43.95	JMC, ROCK ISLAND, IL	MAY 06	C/OP	AMTECH CORP JANESVILLE, WI	AUG 06	JAN 08	YES	
FY 2006	76,270	43.95	JMC, ROCK ISLAND, IL	MAY 06	C/OP	DSE, INC (BALIMOY) TAMPA, FL	AUG 06	JAN 08	YES	
FY 2007	93,660	46.42	JMC, ROCK ISLAND, IL	MAY 06	C/OP	AMTECH CORP JANESVILLE, WI	MAR 07	AUG 08	YES	
FY 2007	76,632	46.42	JMC, ROCK ISLAND, IL	MAY 06	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 07	AUG 08	YES	
FY 2009	108,546	49.58	JMC, ROCK ISLAND, IL	MAY 06	C/OP	AMTECH CORP JANESVILLE, WI	MAR 09	AUG 10	YES	
FY 2009	88,811	49.58	JMC, ROCK ISLAND, IL	MAY 06	C/OP	DSE, INC (BALIMOY) TAMPA, FL	MAR 09	AUG 10	YES	

Exhibit P-21, Production Schedule	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (105000) DODIC: B542, CTG, 40MM HEDP LINKED FOR MK19
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
B542	1 AMTECH CORP JANESVILLE, WI	0.27	0.32	0.50	6	6	19	17	25	M
	2 DSE, INC (BALIMOY) TAMPA, FL	0.27	0.32	0.50	6	6	19	17	25	M

Fiscal Year 2010	Fiscal Year 2011
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Item	Calendar Year 2010												Calendar Year 2011																
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
Y	V	T	E	A	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A
B542	2006	MC1	0.92	0.92	0																								0
	2006	MC2	0.75	0.75	0																								0
	2007	MC1	0.41	0.41	0																								0
	2007	MC2	0.33	0.33	0																								0
	2008	MC1	0.30	0.30	0																								0
	2008	MC2	0.25	0.25	0																								0
	2009	MC1	0.35	0	0.35											0.17	0.18												0
	2009	MC2	0.29	0	0.29											0.14	0.15												0

Fiscal Year 2012	Fiscal Year 2013
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Item	Calendar Year 2012												Calendar Year 2013																
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
Y	V	T	E	A	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-21, Production Schedule										Date: FEBRUARY 2007																					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					Weapon System					P-1 Line Item Nomenclature: (105000) DODIC: B546, CTG, 40MM HEDP FOR M79/M203																					
		PRODUCTION RATE			PROCUREMENT LEADTIMES																										
Item	Manufacturer's Name and Location		MSR	ECON	MAX	ALT Prior to Oct 1		ALT After Oct 1		Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																		
B546	1 AMTECH CORP JANESVILLE, WI		200	274	685	6		6		19	17	25	K																		
	2 DSE, INC (BALIMOY) TAMPA, FL		200	274	685	6		6		19	17	25	K																		
Fiscal Year 2006					Fiscal Year 2007																										
Calendar Year 2006					Calendar Year 2007																										
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
B546	2006	MC1	93	0	93											A														93	
	2006	MC2	76	0	76											A														76	
	2007	MC1	94	0	94																		A							94	
	2007	MC2	77	0	77																		A							77	
	2009	MC1	109	0	109																									109	
	2009	MC2	89	0	89																									89	
Fiscal Year 2008					Fiscal Year 2009																										
Calendar Year 2008					Calendar Year 2009																										
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
B546	2006	MC1	93	0	93				44	44	5																			0	
	2006	MC2	76	0	76				36	36	4																			0	
	2007	MC1	94	0	94										50	44														0	
	2007	MC2	77	0	77										38	39														0	
	2009	MC1	109	0	109																		A							109	
	2009	MC2	89	0	89																		A							89	
REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.																															

Exhibit P-21, Production Schedule	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (105000) DODIC: B546, CTG, 40MM HEDP FOR M79/M203
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
B546	1 AMTECH CORP JANESVILLE, WI	200	274	685	6	6	19	17	25	K
	2 DSE, INC (BALIMOY) TAMPA, FL	200	274	685	6	6	19	17	25	K

Fiscal Year 2010	Fiscal Year 2011
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Item	Calendar Year 2010												Calendar Year 2011																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
B546	2006	MC1	93	93	0																									0
	2006	MC2	76	76	0																									0
	2007	MC1	94	94	0																									0
	2007	MC2	77	77	0																									0
	2009	MC1	109	0	109											44	44	21												0
	2009	MC2	89	0	89											36	36	17												0

Fiscal Year 2012	Fiscal Year 2013
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Item	Calendar Year 2012												Calendar Year 2013																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (108300) 60MM, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	33.091	12.811	17.414	20.977	9.565	27.582	27.356	28.444		177.240

The Cartridge, 60MM High Explosive M888 (DODIC B643) is a high explosive cartridge for use in the 60MM M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets.

The Cartridge, 60MM Smoke White Phosphorus (WP) M722 (DODIC B646) is a white phosphorus cartridge for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use for spotting purposes.

The Cartridge, 60MM Illuminating M721 (DODIC B647) is an illumination round for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use for illuminating a desired point or area.

The Cartridge, 60MM, Mortar, Anti-Personnel, Anti-Material (MAPAM) XM1061 (DODIC BA29), with M734A1 Fuze, is a high explosive cartridge for use in the 60mm M224 Lightweight Company Mortar System. It is intended for use against personnel and light materiel targets.

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes \$17.436M in Supplemental funds.

FY07 funding includes \$9.876M in Title IX funds

Exhibit P-5, Cost Analysis		Weapon System			Date:							
					FEBRUARY 2007							
Appropriation Code/Budget Activity/Serial Number:				ID Code:	P-1 Line Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				A	(108300) 60MM, ALL TYPES							
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
B643, CTG, 60MM HE												
LOAD, ASSEMBLE & PACK (LAP)	5.619	197,218	28.49				2.413	77,363	31.19	2.892	90,807	31.85
M720 PROJ MPTS	5.757	205,107	28.07				2.472	80,457	30.73	2.963	94,439	31.38
COMP B TYPE I GRADE A(LB)	1.053	394,436	2.67				0.382	154,726	2.47	0.449	181,614	2.47
M27 FIN ASSEMBLY	1.425	205,107	6.95				0.611	80,457	7.60	0.733	94,439	7.76
M702 IGNITION CARTRIDGE	3.312	205,107	16.15				1.422	80,457	17.68	1.705	94,439	18.05
LAP, CHG PROP M204	1.485	820,428	1.81				0.640	321,830	1.99	0.767	377,757	2.03
CONTAINER ASSY M204(EA)	2.574	844,094	3.05				1.147	331,485	3.46	1.377	389,089	3.54
M935 FUZE	9.462	203,135	46.58				4.026	79,684	50.52	4.825	93,531	51.59
COMP A-5 CLASS 1(LB)	0.032	5,917	5.46				0.007	2,321	3.21	0.009	2,724	3.21
B646, CTG, 60MM SMOKE WP												
LAP, CTG, 60MM, M722A1				2.551	14,751	172.94	0.893	5,068	176.21	1.259	7,005	179.69
BODY TUBE AND TAIL CONE				0.640	15,341	41.71	0.224	5,271	42.50	0.316	7,285	43.34
FUZE, PD, M783				2.025	15,341	132.00	0.709	5,271	134.50	0.999	7,285	137.16
IGNITION CTG, 60MM, M702				0.234	15,341	15.26	0.082	5,271	15.55	0.116	7,285	15.86
PROPELLENT CHARGE, 60MM, M235				0.507	61,363	8.27	0.262	21,083	12.44	0.370	29,141	12.68
FIN ASSY, 60MM, M27				0.094	15,341	6.10	0.033	5,271	6.22	0.046	7,285	6.34
B647, CTG, 60MM ILLUM												
LAP, CTG, 60MM, M722A1				0.249	2,443	101.73						
BODY TUBE AND TAIL CONE				0.106	2,540	41.71						
FUZE, MTSQ, M776				0.429	2,540	168.87						
IGNITION CTG, 60MM, M702				0.039	2,540	15.26						
PROPELLENT CHARGE, 60MM, M235				0.084	10,161	8.27						
FIN ASSY, 60MM, M27				0.015	2,540	6.10						
VL ILLUM CANNISTER, 60MM				0.411	2,540	161.75						
PARACHUTES, 60MM				0.059	2,540	23.40						
BA29, CTG, 60MM MAPAM												
LOAD, ASSEMBLE & PACK (LAP)				0.595	5,400	110.25						
BALL BEARING MATRIX				0.421	5,616	75.00						
FUZE, M734A1				1.202	5,616	214.00						
IGNITION CHARGE				0.101	5,616	18.00						
PROPELLING CHARGE				0.177	22,140	8.00						
FIN ASSEMBLY				0.045	5,616	8.00						
ACCEPTANCE TESTING	2.758			0.721			1.386			1.508		
PRODUCTION ENGINEERING	0.667			1.467			1.081			1.088		
QUALITY ASSURANCE	0.032			0.138			0.013			0.013		
NON-RECURRING COSTS												
GOVERNMENT FURNISHED MATERIAL	-1.085			0.000			-0.389			-0.458		
FIRST ARTICLE TEST				0.101								
QUALIFICATION TEST				0.400								
TOTAL	33.091			12.811			17.414			20.976		

Exhibit P-5a, Procurement History and Planning					Weapon System		Date:				
Appropriation Code/Budget Activity/Serial Number:					P-1 Line Item Nomenclature:						
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					(108300) 60MM, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
B643, CTG, 60MM HE											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2006	197,218	28.49	JMC, ROCK ISLAND, IL	JUL 06	C/FP	TBD	FEB 07	MAR 08	YES		
FY 2008	77,363	31.19	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 07	SEP 09	YES		
FY 2009	90,807	31.85	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 08	SEP 10	YES		
M720 PROJ MPTS											
FY 2006	205,107	28.07	JMC, ROCK ISLAND, IL	JUL 06	C/FP	MEDICO IND, WILKES-BARRE, PA	FEB 07	JUL 07	YES		
FY 2008	80,457	30.73	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 07	JUL 08	YES		
FY 2009	94,439	31.38	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 08	JUL 09	YES		
COMP B TYPE I GRADE A(LB)											
FY 2006	394,436	2.67	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES		
FY 2008	154,726	2.47	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES		
FY 2009	181,614	2.47	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES		
M27 FIN ASSEMBLY											
FY 2006	205,107	6.95	JMC, ROCK ISLAND, IL	JUL 06	C/FP	GAYSTON CORP, SPRINGBORO, OH	FEB 07	JUN 07	YES		
FY 2008	80,457	7.60	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 07	JUN 08	YES		
FY 2009	94,439	7.76	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 08	JUN 09	YES		
M702 IGNITION CARTRIDGE											
FY 2006	205,107	16.15	JMC, ROCK ISLAND, IL	JUL 06	C/FP	AMERICAN ORDNANCE, MILAN, TN	FEB 07	AUG 07	YES		
FY 2008	80,457	17.68	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 07	AUG 08	YES		
FY 2009	94,439	18.05	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 08	AUG 09	YES		
LAP, CHG PROP M204											
FY 2006	820,428	1.81	JMC, ROCK ISLAND, IL	JUL 06	C/FP	ARMTEC DEFENSE, COACHELLA, CA	FEB 07	AUG 07	YES		
FY 2008	321,830	1.99	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 07	AUG 08	YES		
FY 2009	377,757	2.03	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 08	AUG 09	YES		
CONTAINER ASSY M204(EA)											
FY 2006	844,094	3.05	JMC, ROCK ISLAND, IL	JUL 06	C/FP	AMERICAN ORDNANCE, MILAN, TN	FEB 07	JUN 07	YES		
FY 2008	331,485	3.46	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 07	JUN 08	YES		
FY 2009	389,089	3.54	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 08	JUN 09	YES		
M935 FUZE											
FY 2006	203,135	46.58	JMC, ROCK ISLAND, IL	JUL 06	C/FP	L-3 COMM BT FUZE PRODUCTS ., LANCASTER, PA	OCT 06	APR 07	YES		
FY 2008	79,684	50.52	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 07	JUN 08	YES		
FY 2009	93,531	51.59	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 08	JUN 09	YES		
COMP A-5 CLASS 1(LB)											
FY 2006	5,917	5.46	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES		
FY 2008	2,321	3.21	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES		
FY 2009	2,724	3.21	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES		
B646, CTG, 60MM SMOKE WP											
LAP, CTG, 60MM, M722a1											
FY 2007	14,751	172.94	PICATINNY ARSENAL, NJ	JAN 07	SS/FP	PINE BLUFF ARSENAL, AR	MAR 07	MAR 09	YES		
FY 2008	5,068	176.21	PICATINNY ARSENAL, NJ	JAN 07	SS/FP	PINE BLUFF ARSENAL, AR	MAR 08	MAR 10	YES		
FY 2009	7,005	179.69	PICATINNY ARSENAL, NJ	JAN 07	SS/FP	PINE BLUFF ARSENAL, AR	MAR 09	MAR 11	YES		
BODY TUBE AND TAIL CONE											
FY 2007	15,341	41.71	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 07	DEC 08	YES		
FY 2008	5,271	42.50	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 08	DEC 09	YES		
FY 2009	7,285	43.34	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 09	DEC 10	YES		
FUZE, PD, M783											
FY 2007	15,341	132.00	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	L3-KDI, CINCINNATI, OH	MAR 07	DEC 08	YES		
FY 2008	5,271	134.50	PICATINNY ARSENAL, NJ	JAN 07	C/FP	TBD	MAR 08	DEC 09	YES		
FY 2009	7,285	137.16	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	TBD	MAR 09	DEC 10	YES		

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (109100) 81MM, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	49.237	74.594	20.329	62.150	91.513	69.331	41.949	85.971		495.074
<p>Description: The Cartridge, 81MM Illuminating Infrared (IR) M816 (DODIC C484) with mechanical time fuze is used in the 81mm M252 mortar system. It is designed to take advantage of the night vision device and reduce friendly forces exposure to the enemy. The 81mm IMC is essentially identical to the current M853A1 illuminating cartridge except that it carries an IR filler vice a "white light" illuminate filler.</p> <p>The Cartridge, 81mm High Explosive (HE) M821/M821A1 (DODIC C868) with Multi-Option Fuze M734 is a high explosive round developed for use in the M252 Improved 81mm Mortar System. It is intended for use against personnel and light materiel targets.</p> <p>The cartridge, 81mm High Explosive (HE) M889/M889A1 (DODIC C869) with Point Detonating Fuze M935 is a high explosive round developed for use in the M252 Improved 81mm Mortar System. It is intended for use against personnel and light materiel targets.</p> <p>The Cartridge, 81mm Smoke Red Phosphorus (RP) M819 with Mechanical Time Super-Quick Fuze M772 (DODIC C870) is a smoke screen round developed for use in the 81mm M252 Mortar System.</p> <p>The Cartridge, 81mm Illuminating M853A1 (DODIC C871) with Mechanical Time Super-Quick Fuze (MTSQ) M772 is an illuminating round developed for use in the 81mm M252 Mortar System. It is intended for illuminating a desired point or area.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes \$35.652M in Supplemental funds. FY07 funding includes \$17.474M in Title IX funds.</p>											

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES								
	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
C484, CTG, 81MM ILLUM INFRARED												
LOAD, ASSEMBLE & PACK (LAP)							2.359	8,077	292.03	2.410	8,091	297.81
BODY TUBE AND TAIL CONE							0.357	8,400	42.50	0.365	8,415	43.34
FUZE MTSQ M772							1.445	8,400	172.06	1.477	8,415	175.47
IGNITION CARTRIDGE M752							0.214	8,400	25.47	0.219	8,415	25.98
PROPELLANT CHARGE M219							0.418	33,600	12.44	0.427	33,660	12.68
FIN ASSEMBLY M29							0.287	8,400	34.20	0.294	8,415	34.88
FIBER CONTAINER PA 162							0.049	8,400	5.80	0.050	8,415	5.92
OVERPACK CONTAINER PA157							0.109	8,400	12.95	0.111	8,415	13.20
INFRARED ILLUMINANT CANISTER							0.949	8,400	112.98	0.970	8,415	115.22
PARACHUTE ASSEMBLY							0.200	8,400	23.84	0.205	8,415	24.31
C868, CTG, 81MM HE WITH MOF												
LOAD, ASSEMBLE & PACK (LAP)				6.648	71,714	92.70	0.923	9,887	93.39	7.655	80,271	95.37
SHELL BODY, 81MM HE				4.884	74,583	65.49	0.678	10,283	65.98	5.625	83,482	67.38
FUZE, M734A1				15.936	74,583	213.67	2.239	10,283	217.71	18.535	83,482	222.02
IGNITION CARTRIDGE, M299				3.330	74,583	44.65	0.463	10,283	44.99	3.835	83,482	45.94
PROPELLANT CHARGE, 81MM, M220				3.840	298,331	12.87	0.533	41,131	12.96	4.421	333,928	13.24
FIN ASSEMBLY, 81MM, M24				2.562	74,583	34.35	0.356	10,283	34.60	2.949	83,482	35.33
C869, CTG, 81MM HE WITH PD FUZE												
LAP, CTG, 81MM, M819	6.984	80,641	86.61	3.169	34,184	92.70	0.322	3,445	93.39	0.316	3,315	95.37
M889 PROJ MPTS	5.132	83,867	61.19	2.328	35,551	65.49	0.236	3,583	65.98	0.232	3,448	67.38
FUZE, M935	3.907	83,867	46.58	1.690	35,551	47.55	0.181	3,583	50.52	0.178	3,448	51.59
IGNITION CARTRIDGE, M299	3.499	83,867	41.72	1.587	35,551	44.65	0.161	3,583	44.99	0.158	3,448	45.94
PROPELLANT CHARGE, M220	2.831	335,468	8.44	1.830	142,206	12.87	0.186	14,331	12.96	0.183	13,790	13.24
FIN ASSEMBLY, M24	2.691	83,867	32.09	1.221	35,551	34.35	0.124	3,583	34.60	0.122	3,448	35.33
COMP B TYPE I, GRADE A (LB)	0.700	262,084	2.67	0.297	111,098	2.67	0.028	11,196	2.47	0.027	10,774	2.47
COMP A-5 CLASS 1 (LB)							0.001	103	3.21	0.001	99	3.21
C870, CTG, 81MM SMOKE RP												
LAP, CTG, 81MM, M819				1.627	5,676	286.61	0.568	1,946	292.03	1.362	4,575	297.81
BODY TUBE AND TAIL CONE				0.246	5,903	41.71	0.086	2,024	42.50	0.206	4,758	43.34
FUZE, MTSQ, M772(EA)				0.997	5,903	168.87	0.348	2,024	172.06	0.835	4,758	175.47
IGN CTG M752(EA)				0.148	5,903	25.00	0.052	2,024	25.47	0.211	4,758	44.39
PROP CHG M219				0.195	23,613	8.27	0.101	8,095	12.44	0.241	19,032	12.68
FIN ASSEMBLY, M29				0.198	5,903	33.57	0.069	2,024	34.20	0.166	4,758	34.88
TOTAL	25.744			52.733			14.042			53.786		

Exhibit P-5a, Procurement History and Planning				Weapon System			Date:			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
C484, CTG, 81MM ILLUM INFRARED										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2008	8,077	292.03	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 08	MAR 10	YES	
FY 2009	8,091	297.81	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 09	MAR 11	YES	
BODY TUBE AND TAIL CONE										
FY 2008	8,400	42.50	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 08	DEC 09	YES	
FY 2009	8,415	43.34	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 09	DEC 10	YES	
FUZE MTSQ M772										
FY 2008	8,400	172.06	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	JUNGHAMS, SCHRAMBERG, GERMANY	MAR 08	DEC 09	YES	
FY 2009	8,415	175.47	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	JUNGHAMS, SCHRAMBERG, GERMANY	MAR 09	DEC 10	YES	
IGNITION CARTRIDGE M752										
FY 2008	8,400	25.47	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	TBD	MAR 08	DEC 09	YES	
FY 2009	8,415	25.98	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	TBD	MAR 09	DEC 10	YES	
PROPELLANT CHARGE M219										
FY 2008	33,600	12.44	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	GDOTS, MARION, IL	MAR 08	DEC 09	YES	
FY 2009	33,660	12.68	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	GDOTS, MARION, IL	MAR 09	DEC 10	YES	
FIN ASSEMBLY M29										
FY 2008	8,400	34.20	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 08	DEC 09	YES	
FY 2009	8,415	34.88	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 09	DEC 10	YES	
FIBER CONTAINER PA 162										
FY 2008	8,400	5.80	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	UNITED AMMO CONTAINER, MILAN, TN	MAR 08	DEC 09	YES	
FY 2009	8,415	5.92	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	UNITED AMMO CONTAINER, MILAN, TN	MAR 09	DEC 10	YES	
OVERPACK CONTAINER PA157										
FY 2008	8,400	12.95	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	BROCKWAY STANDARD, ATLANTA, GA	MAR 08	DEC 09	YES	
FY 2009	8,415	13.20	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	BROCKWAY STANDARD, ATLANTA, GA	MAR 09	DEC 10	YES	
INFRARED ILLUMINANT CANISTER										
FY 2008	8,400	112.98	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	CRANE AAP, CRANE, IN	MAR 08	DEC 09	YES	
FY 2009	8,415	115.22	PICATINNY ARSENAL, NJ	OCT 07	SS/OP	CRANE AAP, CRANE, IN	MAR 09	DEC 10	YES	

Exhibit P-5a, Procurement History and Planning				Weapon System			Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
PARACHUTE ASSEMBLY										
FY 2008	8,400	23.84	PICATINNY ARSENAL, NJ	SEP 07	SS/OP	TBD	MAR 08	DEC 09	YES	
FY 2009	8,415	24.31	PICATINNY ARSENAL, NJ	SEP 07	SS/OP	TBD	MAR 09	DEC 10	YES	
C868, CTG, 81MM HE WITH MOF LAP, CTG, 81MM, M821A2										
FY 2007	71,714	92.70	ROCK ISLAND ARSENAL, IL	JAN 07	SS/OP	TBD	MAR 07	MAR 09	YES	
FY 2008	9,887	93.39	ROCK ISLAND ARSENAL, IL	JAN 07	SS/OP	TBD	MAR 08	MAR 10	YES	
FY 2009	80,271	95.37	ROCK ISLAND ARSENAL, IL	JAN 07	SS/OP	TBD	MAR 09	MAR 11	YES	
SHELL BODY, 81MM, M821A2										
FY 2007	74,583	65.49	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	TBD	MAR 07	DEC 08	YES	
FY 2008	10,283	65.98	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	TBD	MAR 08	DEC 09	YES	
FY 2009	83,482	67.38	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	TBD	MAR 09	DEC 10	YES	
FUZE, MO, M734A1										
FY 2007	74,583	213.67	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	L3-KDI, CINCINNATI, OH	MAR 07	DEC 08	YES	
FY 2008	10,283	217.71	PICATINNY ARSENAL, NJ	JAN 07	C/FP	TBD	MAR 08	DEC 09	YES	
FY 2009	83,482	222.02	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	TBD	MAR 09	DEC 10	YES	
IGNITION CARTRIDGE M752										
FY 2007	74,583	44.65	ROCK ISLAND ARSENAL, IL	JAN 07	SS/OP	TBD	MAR 07	DEC 08	YES	
FY 2008	10,283	44.99	ROCK ISLAND ARSENAL, IL	JAN 07	SS/OP	TBD	MAR 08	DEC 09	YES	
FY 2009	83,482	45.94	ROCK ISLAND ARSENAL, IL	JAN 07	SS/OP	TBD	MAR 09	DEC 10	YES	
PROPELLENT CHARGE										
FY 2007	298,331	12.87	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	GDOTS, MARION, IL	MAR 07	DEC 08	YES	
FY 2008	41,131	12.96	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	GDOTS, MARION, IL	MAR 08	DEC 09	YES	
FY 2009	333,928	13.24	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	GDOTS, MARION, IL	MAR 09	DEC 10	YES	
FIN ASSEMBLY										
FY 2007	74,583	34.35	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 07	DEC 08	YES	
FY 2008	10,283	34.60	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 08	DEC 09	YES	
FY 2009	83,482	35.33	PICATINNY ARSENAL, NJ	JAN 07	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 09	DEC 10	YES	
C869, CTG, 81MM HE WITH PD FUZE LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	80,641	86.61	ROCK ISLAND ARSENAL, IL	JUL 06	C/FP	TBD	MAR 07	DEC 07	YES	
FY 2007	34,184	92.70	ROCK ISLAND ARSENAL, IL	JUL 06	C/OPTION	TBD	MAR 07	DEC 08	YES	
FY 2008	3,445	93.39	ROCK ISLAND ARSENAL, IL	JUL 06	C/OPTION	TBD	MAR 08	DEC 09	YES	
FY 2009	3,315	95.37	ROCK ISLAND ARSENAL, IL	JUL 06	C/OPTION	TBD	MAR 09	DEC 10	YES	
M889 PROJ MPTS										
FY 2006	83,867	61.19	PICATINNY ARSENAL, NJ	JUL 06	C/OPTION	MEDICO INDUSTRIES, WILKES-BARRE, PA	NOV 06	JUL 07	YES	
FY 2007	35,551	65.49	PICATINNY ARSENAL, NJ	JUL 06	C/OPTION	MEDICO INDUSTRIES, WILKES-BARRE, PA	FEB 07	JAN 08	YES	
FY 2008	3,583	65.98	PICATINNY ARSENAL, NJ	JUL 06	C/OPTION	MEDICO INDUSTRIES, WILKES-BARRE, PA	DEC 07	JUL 08	YES	
FY 2009	3,448	67.38	PICATINNY ARSENAL, NJ	JUL 06	C/OPTION	MEDICO INDUSTRIES, WILKES-BARRE, PA	DEC 08	JUL 09	YES	
M935 FUZE										
FY 2006	83,867	46.58	ROCK ISLAND ARSENAL, IL	JUL 06	C/FP	L3 COMM BT FUZE PRODUCTS DI, LANCASTE	OCT 06	APR 07	YES	
FY 2007	35,551	47.55	ROCK ISLAND ARSENAL, IL	JUL 06	C/OPTION	L3 COMM BT FUZE PRODUCTS DI, LANCASTE	FEB 07	NOV 07	YES	
FY 2008	3,583	50.52	ROCK ISLAND ARSENAL, IL	JUL 06	C/OPTION	L3 COMM BT FUZE PRODUCTS DI, LANCASTE	DEC 07	JUN 08	YES	
FY 2009	3,448	51.59	ROCK ISLAND ARSENAL, IL	JUL 06	C/OPTION	L3 COMM BT FUZE PRODUCTS DI, LANCASTE	DEC 08	JUN 09	YES	

Exhibit P-5a, Procurement History and Planning Continued					Weapon System			Date: FEBRUARY 2007		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
IGN CTG M299										
FY 2006	83,867	41.72	ROCK ISLAND ARSENAL,	JUL 06	C/FP	TBD	MAR 07	AUG 07	YES	
FY 2007	35,551	44.65	ROCK ISLAND ARSENAL,	JUL 06	C/OPTION	TBD	MAR 07	JAN 08	YES	
FY 2008	3,583	44.99	ROCK ISLAND ARSENAL,	JUL 06	C/OPTION	TBD	DEC 07	AUG 08	YES	
FY 2009	3,448	45.94	ROCK ISLAND ARSENAL,	JUL 06	C/OPTION	TBD	DEC 08	AUG 09	YES	
PROP CHG M220										
FY 2006	355,468	8.44	PICATINNY ARSENAL, NJ	JUL 06	C/OPTION	GENERAL DYNAMICS OTS, DOWNEY, CA	OCT 06	JUN 07	YES	
FY 2007	142,206	12.87	PICATINNY ARSENAL, NJ	JUL 06	C/OPTION	GENERAL DYNAMICS OTS, DOWNEY, CA	FEB 07	JAN 08	YES	
FY 2008	14,331	12.96	PICATINNY ARSENAL, NJ	JUL 06	C/OPTION	GENERAL DYNAMICS OTS, DOWNEY, CA	DEC 07	JUN 08	YES	
FY 2009	13,790	13.24	PICATINNY ARSENAL, NJ	JUL 06	C/OPTION	GENERAL DYNAMICS OTS, DOWNEY, CA	DEC 08	JUN 09	YES	
M24 FIN										
FY 2006	83,867	32.09	N/A	JUN 06	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2007	35,551	34.35	ROCK ISLAND ARSENAL,	JUN 06	C/FP	WILKINSON MFG, PORT CALHOUN, NE	FEB 07	NOV 07	YES	
FY 2008	3,583	34.60	ROCK ISLAND ARSENAL,	JUN 06	C/OPTION	WILKINSON MFG, PORT CALHOUN, NE	DEC 07	NOV 08	YES	
FY 2009	3,448	35.33	ROCK ISLAND ARSENAL,	JUN 06	C/FP	WILKINSON MFG, PORT CALHOUN, NE	MAR 09	DEC 09	YES	
COMP B TYPE I GRADE A(LB)										
FY 2006	262,084	2.67	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2007	111,098	2.67	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2008	11,196	2.47	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2009	10,774	2.47	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES	
COMP A-5 CLASS I (LB)										
FY 2008	103	3.21	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2009	99	3.21	N/A	N/A	N/A	STOCK ISSUE	N/A	N/A	YES	
C870, CTG, 81MM SMOKE RP										
LAP, CTG, 81MM, M819										
FY 2007	5,676	286.61	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 07	MAR 09	YES	
FY 2008	1,946	292.03	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 08	MAR 10	YES	
FY 2009	4,575	297.81	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 09	MAR 11	YES	
BODY TUBE AND TAIL CONE										
FY 2007	5,903	41.71	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 07	DEC 08	YES	
FY 2008	2,024	42.50	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 08	DEC 09	YES	
FY 2009	4,758	43.34	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	LEWIS ENGINEERING, MARSHALL, TX	MAR 09	DEC 10	YES	
FUZE M772(EA)										
FY 2007	5,903	168.87	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	JUNGHAMS, SCHRAMBERG, GERMANY	MAR 07	DEC 08	YES	
FY 2008	2,024	172.06	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	JUNGHAMS, SCHRAMBERG, GERMANY	MAR 08	DEC 09	YES	
FY 2009	4,758	175.47	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	JUNGHAMS, SCHRAMBERG, GERMANY	MAR 09	DEC 10	YES	
IGN CTG M752(EA)										
FY 2007	5,903	25.00	ROCK ISLAND ARSENAL,	JAN 06	SS/OP	TBD	MAR 07	DEC 08	YES	
FY 2008	2,024	25.47	ROCK ISLAND ARSENAL,	JAN 06	SS/OP	TBD	MAR 08	DEC 09	YES	
FY 2009	4,758	44.39	ROCK ISLAND ARSENAL,	JAN 06	SS/OP	TBD	MAR 09	DEC 10	YES	
PROP CHG M219										
FY 2007	23,613	8.27	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	GDOTS, MARION, IL	MAR 07	DEC 08	YES	
FY 2008	8,095	12.44	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	GDOTS, MARION, IL	MAR 08	DEC 09	YES	
FY 2009	19,032	12.68	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	GDOTS, MARION, IL	MAR 09	DEC 10	YES	
FIN ASSEMBLY M29										
FY 2007	5,903	33.57	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 07	DEC 08	YES	
FY 2008	2,024	34.20	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 08	DEC 09	YES	
FY 2009	4,758	34.88	PICATINNY ARSENAL, NJ	JAN 06	SS/OP	WILKINSON MFG, PORT CALHOUN, NE	MAR 09	DEC 10	YES	

Exhibit P-5a, Procurement History and Planning Continued				Weapon System			Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (109100) 81MM, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
C871, CTG, 81MM ILLUM										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	39,218	254.73	ROCK ISLAND, IL	OCT 06	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	SEP 06	SEP 07	YES	
FY 2007	25,135	303.94	ROCK ISLAND, IL	OCT 06	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	JAN 07	SEP 08	YES	
FY 2008	4,469	297.33	ROCK ISLAND, IL	OCT 06	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	DEC 07	SEP 09	YES	
FY 2009	5,795	303.62	ROCK ISLAND, IL	OCT 06	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	DEC 08	SEP 10	YES	
PROPELLANT CHARGE M219										
FY 2006	163,149	2.45	ROCK ISLAND, IL	SEP 06	SS/FP	AMERICAN ORDNANCE, MILAN, TN	SEP 06	MAY 07	YES	
FY 2007	104,562	2.50	ROCK ISLAND, IL	SEP 06	SS/OPTION	AMERICAN ORDNANCE, MILAN, TN	MAR 07	JUL 07	YES	
FY 2008	18,592	2.68	ROCK ISLAND, IL	SEP 06	C/FP	TBD	MAR 08	NOV 08	YES	
FY 2009	24,109	2.73	ROCK ISLAND, IL	SEP 06	C/FP	TBD	MAR 09	NOV 09	YES	
CONTAINER ASSY M205(EA)										
FY 2006	40,787	5.07	ROCK ISLAND, IL	OCT 06	C/FP	ARMTEC DEFENSE, COACHELLA, CA	MAR 06	JAN 07	YES	
FY 2007	26,141	3.37	ROCK ISLAND, IL	OCT 06	C/FP	ARMTEC DEFENSE, COACHELLA, CA	JAN 07	APR 07	YES	
FY 2008	4,648	5.32	ROCK ISLAND, IL	OCT 06	C/OPTION	ARMTEC DEFENSE, COACHELLA, CA	MAR 08	JUL 08	YES	
FY 2009	6,027	5.43	ROCK ISLAND, IL	OCT 06	C/FP	ARMTEC DEFENSE, COACHELLA, CA	MAR 09	JUL 09	YES	
IGNITION CARTRIDGE M752										
FY 2006	40,787	24.00	ROCK ISLAND, IL	OCT 06	SS/OPTION	AMERICAN ORDNANCE, MILAN, TN	OCT 06	MAR 07	YES	
FY 2007	26,141	22.97	ROCK ISLAND, IL	OCT 06	C/FP	TBD	MAR 07	NOV 07	YES	
FY 2008	4,648	24.63	ROCK ISLAND, IL	OCT 06	C/OPTION	TBD	DEC 07	JUN 08	YES	
FY 2009	6,027	25.15	ROCK ISLAND, IL	OCT 06	C/OPTION	TBD	DEC 08	JUN 09	YES	
M9 FLAKE .010 (LB)										
FY 2006	914	51.29	N/A	OCT 06	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2007	586	41.34	N/A	OCT 06	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2008	104	52.71	N/A	OCT 06	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2009	135	52.71	N/A	OCT 06	N/A	STOCK ISSUE	N/A	N/A	YES	
FUZE MTSQ M772										
FY 2006	40,787	181.54	PICATINNY ARSENAL, NJ	SEP 06	SS/FP	JUNGHAMS, SCHRAMBERG, GERMANY	SEP 06	MAR 07	YES	
FY 2007	26,141	185.35	ROCK ISLAND, IL	SEP 06	SS/OPTION	JUNGHAMS, SCHRAMBERG, GERMANY	MAR 07	NOV 07	YES	
FY 2008	4,648	196.71	ROCK ISLAND, IL	SEP 06	SS/OPTION	JUNGHAMS, SCHRAMBERG, GERMANY	DEC 07	NOV 08	YES	
FY 2009	6,027	200.87	ROCK ISLAND, IL	SEP 06	SS/OPTION	JUNGHAMS, SCHRAMBERG, GERMANY	DEC 08	NOV 09	YES	
M29 FIN F/81MM										
FY 2006	40,787	19.90	ROCK ISLAND, IL	OCT 06	SS/OPTION	GAYSTON CORP SPRIBBORO, OH	OCT 06	FEB 07	YES	
FY 2007	26,141	23.83	ROCK ISLAND, IL	OCT 06	C/FP	WILKINSON MFG, FORT CALHOUN, NE	FEB 07	AUG 07	YES	
FY 2008	4,648	22.63	ROCK ISLAND, IL	OCT 06	C/OPTION	WILKINSON MFG, FORT CALHOUN, NE	DEC 07	JUN 08	YES	
FY 2009	6,027	23.11	ROCK ISLAND, IL	OCT 06	C/FP	TBD	DEC 08	JUN 09	YES	
ILLUMINANT CANISTER										
FY 2006	40,787	121.25	ROCK ISLAND, IL	OCT 06	SS/FP	CRANE AAP, CRANE, IN	OCT 06	JUL 07	YES	
FY 2007	26,141	123.80	ROCK ISLAND, IL	OCT 06	SS/FP	CRANE AAP, CRANE, IN	JAN 07	DEC 07	YES	
FY 2008	4,648	123.51	ROCK ISLAND, IL	OCT 06	SS/FP	CRANE AAP, CRANE, IN	DEC 07	AUG 08	YES	
FY 2009	6,027	126.12	ROCK ISLAND, IL	OCT 06	SS/FP	CRANE AAP, CRANE, IN	DEC 08	AUG 09	YES	

Exhibit P-21, Production Schedule Date: FEBRUARY 2007

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition Weapon System: P-1 Line Item Nomenclature: (109100) DODIC: C868, CTG, 81MM HE WITH MOF

Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
C868	1 TBD	5.00	15	20	6	6	18	18	24	K

Fiscal Year 2006 Fiscal Year 2007

Item	Calendar Year 2006												Calendar Year 2007																		
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B	
Y	V	T	E	A	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A		
C868	2007	MC1	71.7	0.0	71.7																										71.7
	2008	MC1	9.9	0.0	9.9																										9.9
	2009	MC1	80.3	0.0	80.3																										80.3

Exhibit P-21, Production Schedule															Date: FEBRUARY 2007																			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item Nomenclature: (109100) DODIC: C868, CTG, 81MM HE WITH MOF																			
															PRODUCTION RATE					PROCUREMENT LEADTIMES														
Item		Manufacturer's Name and Location			MSR	ECON	MAX	ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT		Reorder Mfg PLT		Total	Unit of Measure															
C868		1 TBD			5.00	15	20	6			6			18		18		24	K															
															Fiscal Year 2010					Fiscal Year 2011														
															Calendar Year 2010										Calendar Year 2011									
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
C868	2007	MC1	71.7	71.7	0.0																									0.0				
	2008	MC1	9.9	0.0	9.9					9.9																				0.0				
	2009	MC1	80.3	0.0	80.3																	15.0	15.0	15.0	15.0	15.0	5.3		0.0					
															Fiscal Year 2012										Fiscal Year 2013									
															Calendar Year 2012										Calendar Year 2013									
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.																																		

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Item Nomenclature: (112100) 120MM, ALL TYPES					
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	54.274	43.760	23.841	39.013	58.177	47.169	25.913	13.054		305.201
<p>Description: The Cartridge, 120MM Target Practice with Tracer (TP-T) M831A1 (DODIC C784) is a target practice round for use with the 120mm smooth bore M256 Cannon. It is designed to simulate the service round characteristics at reduced maximum ranges to allow the practice firings on short range proving grounds and training areas.</p> <p>The Cartridge, 120MM Target Practice Cone Stabilized Discarding Sabot with Tracer (TPCSDS-T) M865 (DODIC C785) is a kinetic energy, target practice round for use with the 120mm smooth bore M256 Cannon. It is designed to simulate the service round characteristics at reduced maximum ranges to allow the practice firings on short range proving grounds and training areas.</p> <p>The Cartridge, 120MM High Explosive Anti-Tank Multi-Purpose with Tracer (HEAT-MP-T) M830A1 (DODIC C791). The M830A1 Cartridge is used in the 120mm smooth bore M256 Cannon and is a fin-stabilized round with a discarding sabot. This is a multi-purpose round with anti-tank and air defense capability.</p> <p>The M1002 Target Practice Multi-Purpose Cartridge with Tracer (TPMP-T) (DODIC CA31), 120MM Cartridge is a Training Cartridge for the tactical M830A1 HEAT-MP-T Cartridge.</p> <p>The M1028 120MM Canister Cartridge (DODIC CA38) is used in the 120mm smooth bore M256 cannon aboard the M1A1 Main Battle Tank. The M1028 canister tank cartridge is a tank round comprised of 1150 tungsten balls, which are expelled upon muzzle exit.</p> <p>Expeditionary Fire Support System (EFSS) will be a family of 120MM that will include Illumination, High Explosive, and White Phosphorus munitions. The EFSS will provide all-weather, ground-based, close supporting, accurate, immediately responsive, and lethal indirect fire support for the Marine Air-Ground Task Force (MAGTF). EFSS will be the principal indirect fire support weapon for Marine Expeditionary Units and vertical assault elements of a Ship-To-Objective Maneuver force. EFSS will be capable of successfully engaging a spectrum of potential point and area targets, including motorized, light armored, and dismantled personnel targets, command and control systems, and indirect fire systems.</p> <p>Note: The Family of 120MM Rifled Ammunition is currently undergoing WSERB Qualification. PANMC funding identified for procurement through the FYDP will be used to procure this new Family of 120MM Rifled Ammunition to support Training and War Reserve Requirements.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes a Congressional Add of \$2.3M for 120MM Tank Ammunition-M1028 Canister Rounds.</p> <p>FY06 funding includes \$38.989M Supplemental funds.</p> <p>FY07 funding includes \$11.034M in Title IX funds.</p>											

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(112100) 120MM, ALL TYPES								
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
C784, CTG, 120MM TP-T M831A1												
C785, CTG, 120MM TPCSDS-T M865												
COMPLETE ROUND M865	10.964	17,983	609.66	6.247	9,916	630.01	9.432	12,748	739.85	8.171	11,044	739.85
C791, CTG, 120MM HEAT-MP-T (AA) M830A1*												
COMPLETE ROUND M830A1	27.631	4,972	5557.00	5.381	859	6418.00	4.568	784	5824.00	6.514	1,095	5947.00
CA31, CTG, 120MM TPMP-T M1002												
COMPLETE ROUND				10.573	7,667	1379.00	1.046	698	1497.00	6.506	4,346	1497.00
CA38, CTG, 120MM TANK CANISTER XM1028												
COMPLETE ROUND	5.136	3,238	1586.00	2.888	1,805	1600.00	1.651	894	1698.00	1.781	880	1698.00
EFSS, EXPEDITIONARY FIRE SUPPORT SYSTEM (EFSS)												
AMMUNITION UNDERGOING QUALIFICATION	8.562			15.929			4.173			12.827		
ACCEPTANCE TESTING	0.990			0.507			0.517			0.565		
PRODUCTION ENGINEERING	0.798			2.179			2.157			2.479		
QUALITY ASSURANCE	0.003			0.002			0.003			0.004		
PROGRAM SUPPORT	0.007											
ENGINEERING STUDY	0.183			0.054			0.294			0.166		
TOTAL	54.274			43.760			23.841			39.013		

Exhibit P-5a, Procurement History and Planning					Weapon System			Date:		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (112100) 120MM, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
C785, CTG, 120MM TPCSDS-T M865										
COMPLETE ROUND M865										
FY 2006	8,992	609.66	JMC, ROCK ISLAND, IL	UNKNOWN	CM-3/FP	ALLIANT TECH SYS INC, PLYMOUTH, MN	FEB 06	APR 07	YES	
FY 2006	8,991	609.66	JMC, ROCK ISLAND, IL	UNKNOWN	CM-3/FP	GENERAL DYNAMICS, ST PETERSBURG, FL	FEB 06	FEB 07	YES	
FY 2007	4,958	630.01	JMC, ROCK ISLAND, IL	UNKNOWN	CM-4/FP	ALLIANT TECH SYS INC, PLYMOUTH, MN	DEC 06	OCT 07	YES	
FY 2007	4,958	630.01	JMC, ROCK ISLAND, IL	UNKNOWN	CM-4/FP	GENERAL DYNAMICS, ST PETERSBURG, FL	DEC 06	NOV 07	YES	
FY 2008	12,748	739.85	JMC, ROCK ISLAND, IL	UNKNOWN	OTHER	TBD	JAN 08	OCT 08	YES	
FY 2009	11,044	739.85	JMC, ROCK ISLAND, IL	UNKNOWN	OTHER	TBD	JAN 09	OCT 09	YES	
C791, CTG, 120MM HEAT-MP-T (AA) M830A1										
COMPLETE ROUND M830A1										
FY 2006	4,972	5557.00	PICATINNY ARSENAL, NJ	UNKNOWN	SS/FP	ALLIANT TECH SYS INC, PLYMOUTH, MN	MAR 06	DEC 07	YES	
FY 2007	859	6418.00	PICATINNY ARSENAL, NJ	UNKNOWN	SS/FP	ALLIANT TECH SYS INC, PLYMOUTH, MN	MAY 07	JUN 08	YES	
FY 2008	784	5824.00	PICATINNY ARSENAL, NJ	UNKNOWN	SS/FP	ALLIANT TECH SYS INC, PLYMOUTH, MN	MAR 08	MAY 10	YES	
FY 2009	1,095	5947.00	PICATINNY ARSENAL, NJ	UNKNOWN	SS/FP	ALLIANT TECH SYS INC, PLYMOUTH, MN	MAR 09	SEP 10	YES	
CA31, CTG, 120MM TPMP-T M1002										
COMPLETE ROUND										
FY 2007	7,667	1379.00	PICATINNY ARSENAL, NJ	UNKNOWN	C/FP	TBD	APR 07	AUG 08	YES	
FY 2008	698	1497.00	PICATINNY ARSENAL, NJ	UNKNOWN	OTHER	TBD	JAN 08	JAN 10	YES	
FY 2009	4,346	1497.00	PICATINNY ARSENAL, NJ	UNKNOWN	OTHER	TBD	JAN 09	JAN 11	YES	
CA38, CTG, 120MM TANK CANISTER XM1028										
COMPLETE ROUND										
FY 2006	3,238	1586.00	PICATINNY ARSENAL, NJ	UNKNOWN	C/OP	GENERAL DYNAMICS, ST PETERSBURG, FL	APR 07	APR 08	YES	
FY 2007	1,805	1600.00	PICATINNY ARSENAL, NJ	UNKNOWN	C/OP	GENERAL DYNAMICS, ST PETERSBURG, FL	FEB 08	FEB 09	YES	
FY 2008	894	1698.00	PICATINNY ARSENAL, NJ	UNKNOWN	C/OP	GENERAL DYNAMICS, ST PETERSBURG, FL	FEB 08	FEB 09	YES	
FY 2009	880	1698.00	PICATINNY ARSENAL, NJ	UNKNOWN	SS/FP	GENERAL DYNAMICS, ST PETERSBURG, FL	FEB 09	FEB 10	YES	

Exhibit P-21, Production Schedule Date: FEBRUARY 2007

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition Weapon System: P-1 Line Item Nomenclature: (112100) DODIC: C785, CTG, 120MM TPCSDS-T M865

Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
C785	1 ALLIANT TECH SYS INC, PLYMOUTH, MN	0.13	1	27	6	4	14	10	18	K
	2. GENERAL DYNAMICS, ST. PETERSBURG, FL	0.13	1	27	6	4	12	11	16	K
	3 TBD	0.13	1	27	6	3	9	9	12	K

Fiscal Year 2006 Fiscal Year 2007

Item	Fiscal Year	Calendar Year 2006												Calendar Year 2007																	
		F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
C785	2006	MC1	8.99	0	8.99																										0
	2006	MC2	8.99	0	8.99																		8.99								0
	2007	MC1	4.96	0	4.96																										4.96
	2007	MC2	4.96	0	4.96																										4.96
	2008	MC3	12.7	0	12.7																										12.7
	2009	MC3	11.0	0	11.0																										11.0

Fiscal Year 2008 Fiscal Year 2009

Item	Fiscal Year	Calendar Year 2008												Calendar Year 2009																	
		F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
C785	2006	MC1	8.99	8.99	0																										0
	2006	MC2	8.99	8.99	0																										0
	2007	MC1	4.96	0	4.96	4.96																									0
	2007	MC2	4.96	0	4.96		4.96																								0
	2008	MC3	12.7	0	12.7																										0
	2009	MC3	11.0	0	11.0																										11.0

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-21, Production Schedule	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (112100) DODIC: CA31, CTG, 120MM TPMP-T M1002
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
CA31	1 TBD	1	5	6	3	6	16	24	22	K

Fiscal Year 2006	Fiscal Year 2007
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Item	Calendar Year 2006												Calendar Year 2007																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
Y	V	T	E	A	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A	
CA31	2007	MC1	7.67	0	7.67																									7.67
	2008	MC1	0.70	0	0.70																									0.70
	2009	MC1	4.35	0	4.35																									4.35

Exhibit P-40, Budget Item Justification							Date: FEBRUARY 2007				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (138800) CTG,25MM, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	12.606	10.820	11.328	9.579	10.689	9.281	10.153	10.411		84.867
<p>Description: The Cartridge, 25mm Target Practice Discarding Sabot with Tracer (TPDS-T) M910 Linked (DODIC A940) is fired from the M242 Automatic Cannon. This cartridge is a fixed type, percussion primer 25mm ammunition intended as a training substitute for armor piercing service ammunition.</p> <p>The Cartridge, 25mm High-Explosive Incendiary with Tracer (HEI-T) M792 Linked (DODIC A975) is a high-explosive incendiary round equipped with a tracer. It is a fixed-type, percussion-primed ammunition fired from the M242 Automatic Cannon. It is used as a high-explosive service round for engaging unarmored ground targets.</p> <p>The Cartridge, 25mm Target Practice-Tracer (TP-T) M793 Linked (DODIC A976) is a target practice cartridge used in training, gun testing, and gun system functioning for the M242 25mm Automatic Cannon. The M793 is a fixed type, percussion primed 25mm projectile, and is intended as a substitute for the 25mm tactical round cartridge.</p> <p>The Cartridge, 25mm APFSDS-T M919 Linked (DODIC A986) is an Armor-Piercing Discarding Sabot with Tracer (APFSDS-T) cartridge fired from the M242 Automatic Cannon. This cartridge is a fixed type, percussion primed 25mm ammunition, intended as an armor piercing service round to successfully engage light armored vehicles.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes \$7.590M in Supplemental funds. FY07 funding includes \$1.322M in Title IX funds.</p>											

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (138800) CTG, 25MM, ALL TYPES								
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
A940, CTG, 25MM TPDS-T LINKED												
LOAD, ASSEMBLE & PACK (LAP)							6.372	335,417	19.00	5.653	291,412	19.40
CONTAINER, PA125							0.546	11,492	47.51	0.484	9,984	48.51
A975, CTG, 25MM HEI-T LINKED												
CTG,25MM, HEI-T, M792	7.312	158,744	46.06	1.237	26,856	46.06						
CONTAINER, PA125	0.241	5,473	44.07	0.047	1,056	44.07						
A976, CTG, 25MM TP-T LINKED*												
LOAD, ASSEMBLE & PACK (LAP)							3.829	270,905	14.13	2.861	198,253	14.43
CONTAINER, PA125							0.441	9,282	47.51	0.330	6,793	48.51
A986, CTG, 25MM, APFSDS-T, M919*												
CTG,25MM, APDS-T, M919, COMPLETE ROUND	4.902	45,380	108.02	9.085	80,000	113.57						
CONTAINER, PA125	0.069	1,564	44.06	0.124	2,751	45.00						
ACCEPTANCE TESTING												
PRODUCTION ENGINEERING	0.037			0.247			0.130			0.236		
QUALITY ASSURANCE							0.010			0.015		
RADIOACTIVE DISPOSAL	0.045			0.080								
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL	12.606			10.820			11.328			9.579		

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (142800) 9MM, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	0.342	4.651	0.000	0.000	0.000	0.000	0.000	0.000		4.993

Description: The Cartridge, 9mm Jacketed Hollow Point JHP (DODIC A260) ammunition is a 9mm cartridge that produces a subsonic velocity and may be used in M9 Pistols and MP5N Submachine Guns.

The Cartridge, 9mm Training-Practice Tracer (TP-T) M939 for Anti-Tank-4 (AT-4) (DODIC A358) is intended for use in the M287 Target Practice Launcher for training on the M136 (AT-4) Anti-Tank weapon. This cartridge is the only authorized ammunition for use in the M287 Target Practice Launcher. The projectile of the 9mm M939 has a tracer element which allows the user to visually observe the flight of the projectile to the point of impact.

The Cartridge, 9mm Dummy M917 (DODIC A359) is completely inert and is intended for use in weapons familiarization and maintenance of 9mm weapons. This round can be used in the M9 Service Pistol and the MP5N Submachine Gun for training. The cartridge contains neither a primer nor propellant composition.

The Cartridge, 9mm Ball M882 (DODIC A363) is intended for use against enemy personnel and for security purposes. This cartridge may be used in the M9 Service Pistol and the MP5N Submachine Gun.

The Cartridge caliber .380 (DODIC A415) ammunition is used by the Commandant of the Marine Corps personal security detail.

The Cartridge, 9mm Red Marking (DODIC AA12) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target indicating a hit.

The Cartridge, 9mm Blue Marking (DODIC AA21) is utilized with the M4A1 Carbine, Sig Sauer P226 Pistol, MP5 Submachine Gun and M9 Special Effects Small Arms Marking System (SESAMS) Adapter Kits. Weapons fitted with the training adapters will operate semi or full automatic simulating live fire. The intended use for this cartridge is to provide enhanced training by allowing force-on-force training versus firing at silhouette on impact. When the projectile impacts a target, the plastic projectile sheath breaks and detergent marks the target indicating a hit.

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (142800) 9MM, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	0.342	4.651	0.000	0.000	0.000	0.000	0.000	0.000		4.993
<p>The Cartridge, 9mm Spotting Rifle MK212 Mod 0 (DODIC AX11) is used on the MK153 Assault Rocket Launcher (ARL)/Shoulder-Launched Multipurpose Assault Weapon (SMAW).</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes \$0.235M in Supplemental funds. FY07 funding includes \$0.471M Title IX funds.</p> <p>Beginning in FY08, funding moved to PANMC 1000 Small Arms Ammunition.</p>											

Exhibit P-40a, Budget Item Justification for Aggregated Items	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (142800) 9MM, ALL TYPES
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	ID Code	FY2006	FY2007	FY2008	FY2009					
AA15, CTG, CAL .380 BALL (9MM SHORT)	A	0.000	0.004							
QTY		0	40,000							
AA12, CTG, 9MM SESAMS (RED)	A	0.000	1.562							
QTY		0	3,471,111							
AA21, CTG, 9MM SESAMS (BLUE)	A	0.000	1.659							
QTY		0	3,686,666							
AX11, CTG, 9MM FOR SMAW	A	0.000	0.621							
QTY		0	266,523							
P40a Total		0.000	3.846							

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (142800) 9MM, ALL TYPES								
	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
A260, CTG, 9MM SUBSONIC JHP												
LOAD, ASSEMBLE & PACK (LAP)												
				0.105	187,268	0.56						
BOX METAL M2A1 (EA)												
				0.002	192	9.24						
A358, CTG, 9MM TP-T FOR AT-4												
LOAD, ASSEMBLE & PACK (LAP)												
				0.205	330,308	0.62						
A359, CTG, 9MM DUMMY												
LOAD, ASSEMBLE & PACK (LAP)												
				0.004	40,000	0.10						
A363, CTG, 9MM BALL*												
LOAD, ASSEMBLE & PACK (LAP)												
	0.220	1,663,578	0.13	0.411	3,809,687	0.11						
BOX METAL M2A1 (EA)												
	0.015	1,697	8.80	0.036	3,886	9.24						
PRODUCT												
ACCEPTANCE TESTING												
PRODUCTION ENGINEERING												
	0.106			0.038								
QUALITY ASSURANCE												
	0.001			0.004								
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
TOTAL												
	0.342			0.805								

Exhibit P-40, Budget Item Justification										Date: FEBRUARY 2007	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (146800) GRENADES, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	12.318	21.494	26.625	30.544	3.422	2.928	5.192	5.253		107.776
<p>Description: The Grenade, Launcher Smoke Infrared (IR) Screening M76 (DODIC G826) is used with the M250, M239, M6 Grenade Launchers installed on tanks, AAVs, and LAVs to provide infrared and visual smoke screening for armored/tactical vehicles in combat situations. The plastic body houses the IR composition, burster, booster lead, and safe and arming (S&A) mechanism. The propellant assembly includes a pyrotechnic delay detonator, launch propellant, an electric match, and a propellant retainer with electrical contacts.</p> <p>The Fuze, Hand Grenade Practice M228 (DODIC G878) is a pyrotechnic delay-igniting fuze. The fuze is used with the Grenade, Hand Practice M69 (DODIC G811). The fuze contains a primer and a pyrotechnic delay column. Assembled to the fuze is a striker, striker spring, safety lever, safety pin with pull ring, safety clip, and igniter assembly.</p> <p>The Grenade, Hand Fragmentation M67 (DODIC G881) is used to supplement small arms fire against the enemy in close combat. The grenade produces casualties by high velocity projection of fragments in a uniform distribution pattern. The grenade body is a 2.5-inch diameter steel sphere containing 6.5 ounces of Composition B high explosive. This grenade is fuzed with the M213 Pyrotechnic Delay-detonating Fuze.</p> <p>The Grenade, Hand Incendiary Thermite (TH-3) AN-M14 (DODIC G900) is used to provide a source of intense heat to destroy equipment. This incendiary hand grenade generates heat up to 4000° F. It is filled with an incendiary mixture, TH-3, and First-Fire Mixture VII. This grenade is fuzed with the M201A1 Pyrotechnic Delay-igniting Fuze.</p> <p>The Grenade, Hand Smoke, HC AN-M8 (DODIC G930) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 90 seconds. The body of thin sheet metal is filled with a green smoke composition and topped with a starter mixture. The M201A1 Fuze is a pyrotechnic delay-igniting fuze.</p> <p>The Grenade, Hand Green Smoke M18 (DODIC G940) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with a green smoke composition and topped with a starter mixture. The M201A1 Fuze is a pyrotechnic delay-igniting fuze.</p> <p>The Grenade, Hand Yellow Smoke M18 (DODIC G945) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with yellow smoke composition and topped with a starter mixture. The M201A1 Fuze is a pyrotechnic delay-igniting fuze.</p> <p>The Grenade, Hand Red Smoke M18 (DODIC G950) is used for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with red smoke composition and topped with a starter mixture. The M201A1 Fuze is a pyrotechnic delay-igniting fuze.</p>											

Exhibit P-40, Budget Item Justification, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (146800) GRENADES, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	12.318	21.494	26.625	30.544	3.422	2.928	5.192	5.253		107.776

The Grenade, Hand Smoke Violet M18 (DODIC G955) is a hand grenade used to generate violet smoke for screening, marking, and signaling. Each grenade will emit smoke for 50 to 135 seconds. The body of thin sheet metal is filled with violet smoke composition. The M201A1 Fuze is a pyrotechnic delay-igniting fuze.

The Mine, Antipersonnel Practice M68 with Accessories (DODIC K139) is used to train personnel in the handling and use of the Mine, Antipersonnel (APERS) M18A1 (DODIC K143). The DODIC K139 comes in a kit consisting of the blue M33 APERS Mine and the M10 Electrical Blasting Cap Assembly, which are completely inert, the M57 Firing Device, and the M40 Test Set. The M57 Firing Device and the M40 Test Set are the same as those issued with the M18A1.

The Mine, Antipersonnel M18A1 with M57 Firing Device (DODIC K143) is a fragmentation antipersonnel mine that contains 700 steel balls and 682 grams of composition C4 explosive. It is a command detonated mine that is activated by an electric blasting cap. The mine projects a fan shaped pattern of steel balls in a 60° arc at a height of 2 meters and cover a casualty radius of 100 meters. The mine is green in color. These accessories permit the mine to be employed, tested, and fired without any other equipment.

The Floating Smoke Pot (FSP) (DODIC KM03) is a new item being procured using the Foreign Comparative Test (FCT) Program. This new item, DODIC KM03, will replace older variants, HC smoke pots. This FSP is designed to screen personnel and equipment movement and will replace current systems with a non-toxic smoke payload, Red Phosphorous (RP), and enhanced fuze.

The Signal, Smoke Illumination, Marine MK124 Mod 0 (DODIC L283) is used for either day or night signaling, as appropriate, by personnel on land or sea. The signal is a one-handed operable device, intended for rescue use. This signal consists of an aluminum case that is 5.376 inches long and 1.638 inches in diameter. The case has two raised beads around its circumference on the flare (night) end. These beads positively identify the flare end, by the sense of touch, for night- time use.

Exhibit P-40, Budget Item Justification, Continued							Date: FEBRUARY 2007				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (146800) GRENADES, ALL TYPES							
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	12.318	21.494	26.625	30.544	3.422	2.928	5.192	5.253		107.776
<p>The Signal, Illumination Ground Red Star Cluster M158 (DODIC L306) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum). The signal consists of a five star illuminant assembly and a rocket motor propulsion assembly contained in a hand held aluminum launching tube.</p> <p>The Signal, Illumination Ground White Star Cluster M159 (DODIC L307) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum). The signal consists of a five star illuminant assembly and a rocket motor propulsion assembly contained in a hand held aluminum launching tube.</p> <p>The Signal, Illumination Ground White Star Parachute M127A1 (DODIC L312) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signal projects to an altitude of approximately 700-800 feet, producing a parachute suspended star that burns for approximately 25 seconds (minimum). The M127A1 Signal consists of a parachute suspended illuminant assembly and a rocket motor propulsion assembly contained in a hand-held aluminum launching tube.</p> <p>The Signal, Illumination Ground Green Star Cluster M125A1 (DODIC L314) is a rocket propelled, fin stabilized, hand launched, nighttime/daytime signaling device. When fired vertically, the signals project to an altitude of approximately 700-800 feet and produce five illuminant "stars" that burn for 6 seconds (minimum). The M125A1 Signal consists of a five star illuminant assembly and a rocket motor propulsion assembly. Stabilizing fins on the rocket are folded parallel to the axis of the signal.</p> <p>The Flare, Surface Trip M49A1 (DODIC L495) consists of an illuminant assembly, cover loading assembly, and mounting bracket assembly. It is used to give warning of infiltrating Forces by illuminating the field of the advancing enemy. The waterproof cover loading assembly contains a spring-loaded striker, a percussion primer, and an intermediate charge. The mounting bracket holds the illuminant assembly in the position desired. The lever is hinged to the cover and is held in position by the safety clip when unarmed.</p> <p>The Simulator, Projectile Ground Burst M115A2 (DODIC L594) is used to simulate battle noises and effects on land only (shells in flight and ground explosions) during maneuvers and personnel training. This simulator consists of a cylindrical paper tube containing a photoflash charge and a whistle assembly.</p> <p>The Simulator, Explosive Booby Trap M117 Flash (DODIC L598) is used as a safe booby trap during maneuvers and in personnel training. Its purpose is to teach the installation, detection and use of booby traps, and to instill caution in troops exposed to booby traps set by an enemy. One end of the cord is covered with a friction composition; the other end is coiled and secured in the end of the body by a paper cap and a strip of tape.</p>											

Exhibit P-40, Budget Item Justification, Continued								Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (146800) GRENADES, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	12.318	21.494	26.625	30.544	3.422	2.928	5.192	5.253		107.776
<p>The Simulator, Hand Grenade M116A1 (DODIC L601) is used to create battle noises and flashes during training. The Hand Grenade Simulator is thrown in the same manner as the live grenade and creates a flash and loud report 5 to 10 seconds after ignition.</p> <p>The Simulator, Target Hit M25 (DODIC L709) is used to notify the gunner and crew on live-fire ranges that a target has been hit by producing a flash spray. This simulator consists of an outer plastic container with a protective cap taped to it.</p> <p>The Main Gun Signature Simulator (MGSS) (DODIC LA06) cartridge is used to simulate firing of the Tank Main Gun during Force on Force training exercises. This simulator notifies the gunner and crew by flash, smoke, and noise that the gun has fired. This simulator is used with the Multiple Integrated Laser Engagement Simulator (MILES 2000) / OMEGA-36/60 firing system.</p> <p>The Grenade Launcher, Visual Infra-Red Screening Smoke (VIRSS) (DODIC TBD) is used in the M6 Smoke Grenade Launchers installed on tanks, AAVs, and LAVs. This Screening Smoke Grenade will provide infrared and visual smoke screening for armored/tactical vehicles in combat and training environments. Once developed, this VIRSS Smoke Grenade will have a IR composition and will be designed environmentally friendly.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes \$7.118M in Supplemental funds. FY07 funding includes \$13.145M in Title IX funds.</p>											

Exhibit P-5, Cost Analysis			Weapon System			Date:						
						FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number:				ID Code:	P-1 Line Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				A	(146800) GRENADES, ALL TYPES							
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
G878, FUZE, HAND GRENADE PRACTICE M228*												
COMPLETE ROUND	0.950	235,800	4.03				3.865	849,450	4.55	3.403	733,405	4.64
G881, GRENADE, HAND FRAGMENTATION M67												
LOAD, ASSEMBLY & PACK (LAP)	0.585	26,921	21.73				4.166	108,461	38.41	3.910	99,694	39.22
COMP B TYPE I GRADE A (LB)	0.028	12,121	2.31				0.120	48,582	2.47	0.110	44,534	2.47
G930, GRENADE, HAND SMOKE HC AN-M8												
COMPLETE ROUND							1.474	36,449	40.44	0.250	5,973	41.85
G940, GRENADE, HAND SMOKE GREEN M18												
LOAD, ASSEMBLY & PACK (LAP)	1.921	38,592	49.77	1.198	31,742	37.73	0.172	3,762	45.62	0.652	13,945	46.75
FZ HAND GRENADE M201A1				0.195	33,012	5.92	0.024	3,913	6.03	0.089	14,503	6.13
TOP & BOTTOM ASSEMBLY				0.053	36,504	1.46	0.007	4,327	1.50	0.025	16,037	1.53
G945, GRENADE, HAND SMOKE YELLOW M18												
LOAD, ASSEMBLY & PACK (LAP)	1.477	29,680	49.77	0.429	11,677	36.78	0.048	1,075	44.94	0.146	3,116	46.82
FZ HAND GRENADE M201A1				0.072	12,134	5.92	0.007	1,118	6.03	0.020	3,241	6.13
TOP & BOTTOM ASSEMBLY				0.020	13,418	1.46	0.002	1,237	1.50	0.005	3,584	1.53
G950, GRENADE, HAND SMOKE RED M18												
COMPLETE ROUND	1.436	29,110	49.33									
G955, GRENADE, HAND SMOKE VIOLET M18												
COMPLETE ROUND	1.923	41,124	46.76									
K139, MINE KIT, APERS PRACTICE												
LOAD, ASSEMBLY & PACK (LAP)				0.114	369	308.19	1.709	3,328	513.58	0.008	15	535.97
BANDOLEER (EA)				0.002	415	4.82						
INERT MINE DEMOLITION SYSTEM				0.010	373	26.76	0.209	3,321	62.92	0.001	15	65.72
K143/J007, MINE, APERS (CLAYMORE) M18A1												
LOAD, ASSEMBLY & PACK (LAP)				0.431	2,286	188.53	0.889	5,127	173.39	0.062	343	180.51
BANDOLEER (EA)				0.011	2,282	4.82						
COMP C-4 CLASS 3				0.034	4,071	8.35	0.077	8,442	9.12	0.005	537	9.31
L283, SIGNAL, SMOKE & ILLUM MARINE MK124 MOD 0												
COMPLETE ROUND												
L306, SIGNAL, ILLUM GROUND RSC M158*												
LOAD, ASSEMBLY & PACK (LAP)				3.253	69,776	46.62	1.848	39,344	46.97	0.014	271	49.97
BOX METAL M548				0.086	2,947	29.18	0.049	1,641	29.85	0.001	48	30.48
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
SUB TOTAL	8.320			5.908			14.666			8.701		

Exhibit P-5, Cost Analysis Continued			Weapon System			Date: FEBRUARY 2007								
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (146800) GRENADES, ALL TYPES										
			FY06			FY07			FY08			FY09		
WBS COST ELEMENTS			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
L307, SIGNAL, ILLUM GND WS CLUSTER M159														
LOAD, ASSEMBLY & PACK (LAP)						3.382	72,840	46.43	1.091	23,321	46.78	2.734	57,232	47.77
BOX METAL M548						0.089	3,050	29.18	0.029	971	29.85	0.073	2,395	30.48
L312, SIGNAL, ILLUM GROUND WSP M127A1*														
LOAD, ASSEMBLY & PACK (LAP)						3.671	77,381	47.44	1.066	22,301	47.80	2.321	47,551	48.81
BOX METAL M548						0.095	3,255	29.18	0.028	938	29.85	0.061	2,001	30.48
L314, SIGNAL, ILLUM GROUND GSC M125A1														
LOAD, ASSEMBLY & PACK (LAP)						3.670	79,506	46.16	0.931	20,017	46.51	1.943	40,913	47.49
BOX METAL M548						0.098	3,358	29.18	0.025	837	29.85	0.052	1,706	30.48
L495, FLARE, SURFACE TRIP M49A1														
COMPLETE ROUND						0.705	19,512	36.13				1.793	49,042	36.56
L594, SIMULATOR, PROJ GROUND BURST M115A2														
COMPLETE ROUND						0.627	38,608	16.24	0.335	19,297	17.36	0.077	4,187	18.39
L598, SIMULATOR, BOOBYTRAP FLASH M117														
COMPLETE ROUND						0.863	35,735	24.15	1.873	76,983	24.33	0.109	4,388	24.84
L601, SIMULATOR, HAND GRENADE, M116A1														
COMPLETE ROUND									0.425	30,774	13.81			
L709, SIMULATOR, TARGET HIT M25														
COMPLETE ROUND						0.393	27,813	14.13	0.037	1,128	32.80			
LA06, MAIN GUN SIGNATURE SIMULATOR M30														
COMPLETE ROUND			0.069	22,044	3.13	0.029	8,656	3.35						
VIRSS, VISUAL INFRA-RED SCREENING SMOKE														
COMPLETE ROUND									3.658	17,419	210.00	10.587	48,122	220.00
ACCEPTANCE TESTING			0.099			0.055			0.092			0.097		
PRODUCTION ENGINEERING			1.599			0.870			1.212			1.255		
QUALITY ASSURANCE			0.098			0.075			0.097			0.096		
GOVERNMENT FURNISHED MATERIAL			-0.028			-0.013			-0.120			-0.110		
CONTINGENCY			0.811											
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS														
SUB TOTAL			2.648			14.609			10.779			21.088		
TOTAL			10.968			20.517			25.445			29.789		

Exhibit P-5a, Procurement History and Planning					Weapon System			Date:			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (146800) GRENADES, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
HARDWARE											
G878, FUZE, HAND GRENADE PRACTICE M228											
COMPLETE ROUND											
FY 2006	119,340	4.03	JMC, ROCK ISLAND, IL	JAN 06	C/OP	ALLIANT TECH SYSTEMS, ROCKET CENTER, WV	MAR 06	JAN 09	YES		
FY 2006	116,460	4.03	JMC, ROCK ISLAND, IL	JAN 06	C/OP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 06	FEB 08	YES		
FY 2008	424,725	4.55	JMC, ROCK ISLAND, IL	JAN 08	C/OP	ALLIANT TECH SYSTEMS, ROCKET CENTER, WV	MAR 08	SEP 09	YES		
FY 2008	424,725	4.55	JMC, ROCK ISLAND, IL	JAN 08	C/OP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 08	JAN 10	YES		
FY 2009	733,405	4.64	JMC, ROCK ISLAND, IL	JAN 09	C/FP	TBD	MAY 09	SEP 11	YES		
G881, GRENADE, HAND FRAGMENTATION M67											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2006	26,921	21.73	JMC, ROCK ISLAND, IL	MAR 06	C/FFP	L-3 COMM BT FUZE, LANCASTER, PA	APR 06	AUG 08	YES		
FY 2008	108,461	38.41	JMC, ROCK ISLAND, IL	MAR 08	C/OP	L-3 COMM BT FUZE, LANCASTER, PA	MAR 08	JAN 10	YES		
FY 2009	99,694	39.22	JMC, ROCK ISLAND, IL	MAR 09	C/OP	L-3 COMM BT FUZE, LANCASTER, PA	MAR 09	NOV 10	YES		
COMP B TYPE 1 GRADE A (LB)											
FY 2006	12,121	2.31	JMC, ROCK ISLAND, IL	N/A	N/A	STOCK ISSUE	N/A	N/A	YES		
FY 2008	48,582	2.47	JMC, ROCK ISLAND, IL	N/A	N/A	STOCK ISSUE	N/A	N/A	YES		
FY 2009	44,534	2.47	JMC, ROCK ISLAND, IL	N/A	N/A	STOCK ISSUE	N/A	N/A	YES		
G930, GRENADE, HAND SMOKE WHITE AN-M8											
COMPLETE ROUND											
FY 2008	36,449	40.44	JMC, ROCK ISLAND, IL	JAN 08	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 08	MAR 09	YES		
FY 2009	5,973	41.85	JMC, ROCK ISLAND, IL	JAN 09	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 09	MAR 10	YES		
G940, GRENADE, HAND SMOKE GREEN M18											
LOAD, ASSEMBLE & PACK (LAP)											
FY 2006	38,592	49.77	JMC, ROCK ISLAND, IL	MAY 06	SS/OTHER	PINE BLUFF ARSENAL, PINE BLUFF, AR	AUG 06	APR 08	YES		
FY 2007	31,742	37.73	JMC, ROCK ISLAND, IL	JAN 07	SS/OTHER	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 07	APR 08	YES		
FY 2008	3,762	45.62	JMC, ROCK ISLAND, IL	JAN 08	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 08	APR 09	YES		
FY 2009	13,945	46.75	JMC, ROCK ISLAND, IL	JAN 09	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 09	APR 10	YES		
FZ HAND GRENADE M201A1											
FY 2007	18,157	5.92	JMC, ROCK ISLAND, IL	JAN 07	C/OP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 07	NOV 07	YES		
FY 2007	14,855	5.92	JMC, ROCK ISLAND, IL	JAN 07	C/OP	CRITICAL SOLUTIONS INT. INC. DALLAS, TX	MAR 07	NOV 07	YES		
FY 2008	2,152	6.03	JMC, ROCK ISLAND, IL	JAN 08	C/OP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 08	NOV 08	YES		
FY 2008	1,761	6.03	JMC, ROCK ISLAND, IL	JAN 08	C/OP	CRITICAL SOLUTIONS INT. INC. DALLAS, TX	MAR 08	NOV 08	YES		
FY 2009	7,977	6.13	JMC, ROCK ISLAND, IL	FEB 09	C/FP	TBD	APR 09	JAN 10	YES		
FY 2009	6,526	6.13	JMC, ROCK ISLAND, IL	FEB 09	C/FP	TBD	APR 09	JAN 10	YES		
TOP & BOTTOM ASSEMBLY											
FY 2007	36,504	1.46	JMC, ROCK ISLAND, IL	JAN 07	C/OP	TOOL MASTERS INC. TUSCUMBIA, AL	MAR 07	NOV 07	YES		
FY 2008	4,327	1.50	JMC, ROCK ISLAND, IL	JAN 08	C/OP	TOOL MASTERS INC. TUSCUMBIA, AL	MAR 08	NOV 08	YES		
FY 2009	16,037	1.53	JMC, ROCK ISLAND, IL	FEB 09	C/FP	TBD	APR 09	JAN 10	YES		

Exhibit P-5a, Procurement History and Planning					Weapon System			Date:		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (146800) GRENADES, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
HARDWARE										
G945, GRENADE, HAND SMOKE YELLOW M18										
LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	29,680	49.77	JMC, ROCK ISLAND, IL	MAY 06	SS/OTHER	PINE BLUFF ARSENAL, PINE BLUFF, AR	AUG 06	APR 08		
FY 2007	11,667	36.78	JMC, ROCK ISLAND, IL	JAN 07	SS/OTHER	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 07	APR 08	YES	
FY 2008	1,075	44.94	JMC, ROCK ISLAND, IL	JAN 08	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 08	APR 09	YES	
FY 2009	3,116	46.82	JMC, ROCK ISLAND, IL	JAN 09	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 09	APR 10	YES	
FZ HAND GRENADE M201A1										
FY 2007	6,674	5.92	JMC, ROCK ISLAND, IL	JAN 07	C/OP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 07	NOV 07	YES	
FY 2007	5,460	5.92	JMC, ROCK ISLAND, IL	JAN 07	C/OP	CRITICAL SOLUTIONS INT. INC. DALLAS, TX	MAR 07	NOV 07	YES	
FY 2008	615	6.03	JMC, ROCK ISLAND, IL	JAN 08	C/OP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 08	NOV 08	YES	
FY 2008	503	6.03	JMC, ROCK ISLAND, IL	JAN 08	C/OP	CRITICAL SOLUTIONS INT. INC. DALLAS, TX	MAR 08	NOV 08	YES	
FY 2009	1,783	6.13	JMC, ROCK ISLAND, IL	FEB 09	C/FP	TBD	MAY 09	JAN 10	YES	
FY 2009	1,458	6.13	JMC, ROCK ISLAND, IL	FEB 09	C/FP	TBD	MAY 09	JAN 10	YES	
TOP & BOTTOM ASSEMBLY										
FY 2007	13,418	1.46	JMC, ROCK ISLAND, IL	JAN 07	C/OP	TOOL MASTERS INC. TUSCUMBIA, AL	MAR 07	NOV 07	YES	
FY 2008	1,237	1.50	JMC, ROCK ISLAND, IL	JAN 08	C/OP	TOOL MASTERS INC. TUSCUMBIA, AL	MAR 08	NOV 08	YES	
FY 2009	3,584	1.53	JMC, ROCK ISLAND, IL	FEB 09	C/FP	TBD	MAY 09	JAN 10	YES	
G950, GRENADE, HAND SMOKE RED M18										
COMPLETE ROUND										
FY 2006	29,110	49.33	JMC, ROCK ISLAND, IL	MAY 06	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	AUG 06	APR 08	YES	
G955, GRENADE, HAND SMOKE VIOLET M18										
COMPLETE ROUND										
FY 2006	41,124	46.76	JMC, ROCK ISLAND, IL	MAY 06	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	AUG 06	APR 08	YES	
K139, MINE KIT, APERS PRACTICE										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	369	308.19	JMC, ROCK ISLAND, IL	JAN 07	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	MAR 07	MAR 08	YES	
FY 2008	3,328	513.58	JMC, ROCK ISLAND, IL	JAN 08	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	MAR 08	MAR 09	YES	
FY 2009	15	535.97	JMC, ROCK ISLAND, IL	JAN 09	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	MAR 09	MAR 10	YES	
BANDOLEER (EA)										
FY 2007	415	4.82	JMC, ROCK ISLAND, IL	N/A	N/A	STOCK ISSUE	N/A	N/A	YES	
INERT MINI DEMOLITION SYSTEM										
FY 2007	373	26.76	JMC, ROCK ISLAND, IL	JAN 07	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	MAR 07	MAR 08	YES	
FY 2008	3,321	62.92	JMC, ROCK ISLAND, IL	JAN 08	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	MAR 08	MAR 09	YES	
FY 2009	15	65.72	JMC, ROCK ISLAND, IL	JAN 09	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	MAR 09	MAR 10	YES	

Exhibit P-5a, Procurement History and Planning					Weapon System		Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (146800) GRENADES, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
HARDWARE										
K143/J007 MINE, APERS (CLAYMORE) M18A1										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	2,286	188.53	JMC, ROCK ISLAND, IL	JAN 07	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	MAR 07	JUL 08	YES	
FY 2008	5,127	173.39	JMC, ROCK ISLAND, IL	JAN 08	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	MAR 08	JUL 09	YES	
FY 2009	343	180.51	JMC, ROCK ISLAND, IL	JAN 09	C/OP	SPECTRA TECHNOLOGIES, EAST CAMDEN, AR	MAR 09	JUL 10	YES	
BANDOLEER (EA)										
FY 2007	2,282	4.82	JMC, ROCK ISLAND, IL	N/A	N/A	STOCK ISSUE	N/A	N/A	YES	
COMP C-4 CLASS 3 (LB)										
FY 2007	4,071	8.35	JMC, ROCK ISLAND, IL	JAN 07	SS/FP	BAE HOLSTON AAP KINGSPORT, TN	MAR 07	JAN 08	YES	
FY 2008	8,442	9.12	JMC, ROCK ISLAND, IL	JAN 08	SS/FP	BAE HOLSTON AAP KINGSPORT, TN	MAR 08	JAN 09	YES	
FY 2009	537	9.31	JMC, ROCK ISLAND, IL	JAN 09	SS/FP	BAE HOLSTON AAP KINGSPORT, TN	MAR 09	JAN 10	YES	
L306, SIGNAL, ILLUM GROUND RSC M158										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	69,776	46.62	JMC, ROCK ISLAND, IL	JAN 07	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 07	JAN 08	YES	
FY 2008	39,344	46.97	JMC, ROCK ISLAND, IL	JAN 08	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 08	JAN 09	YES	
FY 2009	271	49.97	JMC, ROCK ISLAND, IL	JAN 09	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 09	JAN 10	YES	
BOX, METAL M548										
FY 2007	2,947	29.18	JMC, ROCK ISLAND, IL	JAN 07	C/OP	CONCO INC. LOUISVILLE, KY	MAR 07	JAN 08	YES	
FY 2008	1,641	29.85	JMC, ROCK ISLAND, IL	JAN 08	C/OP	CONCO INC. LOUISVILLE, KY	MAR 08	JAN 09	YES	
FY 2009	48	30.48	JMC, ROCK ISLAND, IL	UNKNOWN	C/NA	TBD	MAR 09	JAN 10	YES	
L307, SIGNAL, ILLUM GND WS CLUSTER M159										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	72,840	46.43	JMC, ROCK ISLAND, IL	JAN 07	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 07	MAR 08	YES	
FY 2008	23,321	46.78	JMC, ROCK ISLAND, IL	JAN 08	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 08	MAR 09	YES	
FY 2009	57,232	47.77	JMC, ROCK ISLAND, IL	JAN 09	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 09	MAR 10	YES	
BOX, METAL M548										
FY 2007	3,050	29.18	JMC, ROCK ISLAND, IL	JAN 07	C/OP	CONCO INC. LOUISVILLE, KY	MAR 07	JAN 08	YES	
FY 2008	971	29.85	JMC, ROCK ISLAND, IL	JAN 08	C/OP	CONCO INC. LOUISVILLE, KY	MAR 08	JAN 09	YES	
FY 2009	2,395	30.48	JMC, ROCK ISLAND, IL	UNKNOWN	C/NA	TBD	MAR 09	JAN 10	YES	
L312, SIGNAL, ILLUM GROUND WSP M127A1										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	77,381	47.44	JMC, ROCK ISLAND, IL	JAN 07	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 07	MAR 08	YES	
FY 2008	22,301	47.80	JMC, ROCK ISLAND, IL	JAN 08	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 08	MAR 09	YES	
FY 2009	47,551	48.81	JMC, ROCK ISLAND, IL	JAN 09	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 09	MAR 10	YES	
BOX, METAL M548										
FY 2007	3,255	29.18	JMC, ROCK ISLAND, IL	JAN 07	C/OP	CONCO INC. LOUISVILLE, KY	MAR 07	SEP 07	YES	
FY 2008	938	29.85	JMC, ROCK ISLAND, IL	JAN 08	C/OP	CONCO INC. LOUISVILLE, KY	MAR 08	SEP 08	YES	
FY 2009	2,001	30.48	JMC, ROCK ISLAND, IL	UNKNOWN	C/NA	TBD	MAR 09	NOV 09	YES	

Exhibit P-5a, Procurement History and Planning					Weapon System			Date:		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (146800) GRENADES, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
HARDWARE										
L314, SIGNAL, ILLUM GROUND GSC M125A1										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	79,506	46.16	JMC, ROCK ISLAND, IL	JAN 07	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 07	MAR 08	YES	
FY 2008	20,017	46.51	JMC, ROCK ISLAND, IL	JAN 08	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 08	MAR 09	YES	
FY 2009	40,913	47.49	JMC, ROCK ISLAND, IL	JAN 09	C/OP	SECURITY SIGNALS, CORDOVA, TN	MAR 09	MAR 10	YES	
BOX, METAL M548										
FY 2007	3,358	29.18	JMC, ROCK ISLAND, IL	JAN 07	C/OP	CONCO INC. LOUISVILLE, KY	MAR 07	JAN 08	YES	
FY 2008	837	29.85	JMC, ROCK ISLAND, IL	JAN 08	C/OP	CONCO INC. LOUISVILLE, KY	MAR 08	JAN 09	YES	
FY 2009	1,706	30.48	JMC, ROCK ISLAND, IL	JAN 09	C/NA	TBD	MAR 09	JAN 10	YES	
L495, FLARE, SURFACE TRIP M49A1										
COMPLETE ROUND										
FY 2007	19,512	36.13	JMC, ROCK ISLAND, IL	JAN 07	C/OP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 07	MAR 08	YES	
FY 2009	49,042	36.56	JMC, ROCK ISLAND, IL	JAN 09	C/OP	MARTIN ELECTRONICS INDUSTRIES, PERRY, FL	MAR 09	MAR 10	YES	
L594, SIMULATOR, PROJ GROUND BURST M115A2										
LOAD, ASSEMBLY & PACK (LAP)										
FY 2007	38,608	16.24	JMC, ROCK ISLAND, IL	JAN 07	C/OP	GRUCCI FIREWORKS, RADFORD, VA	MAR 07	FEB 09	YES	
FY 2008	19,297	17.36	JMC, ROCK ISLAND, IL	JAN 08	C/OP	GRUCCI FIREWORKS, RADFORD, VA	MAR 08	OCT 09	YES	
FY 2009	4,187	18.39	JMC, ROCK ISLAND, IL	JAN 09	C/OP	GRUCCI FIREWORKS, RADFORD, VA	MAR 09	APR 10	YES	
L598, SIMULATOR, BOOBYTRAP FLASH M117										
COMPLETE ROUND										
FY 2007	35,735	24.15	JMC, ROCK ISLAND, IL	JAN 07	C/OP	BULOVA TECHNOLOGIES, LANCASTER, PA	MAR 07	AUG 08	YES	
FY 2008	76,983	24.33	JMC, ROCK ISLAND, IL	JAN 08	C/OP	BULOVA TECHNOLOGIES, LANCASTER, PA	MAR 08	SEP 09	YES	
FY 2009	4,388	24.84	JMC, ROCK ISLAND, IL	JAN 09	C/OP	BULOVA TECHNOLOGIES, LANCASTER, PA	MAR 09	SEP 10	YES	
L601, SIMULATOR, HAND GRENADE, M116A1										
COMPLETE ROUND										
FY 2008	30,774	13.81	JMC, ROCK ISLAND, IL	JAN 08	C/OP	GRUCCI FIREWORKS, RADFORD, VA	MAR 08	OCT 09	YES	
L709, SIMULATOR, TARGET HIT M25										
COMPLETE ROUND										
FY 2007	27,813	14.13	JMC, ROCK ISLAND, IL	JAN 07	SSM-2/FP	COMET GMBH, GERMANY	MAR 07	MAR 08	YES	
FY 2008	1,128	32.80	JMC, ROCK ISLAND, IL	JAN 08	SSM-2/FP	COMET GMBH, GERMANY	MAR 08	MAR 09	YES	
LA06, MAIN GUN SIGNATURE SIMULATOR M30										
SIMULATOR, MAIN GUN SIGNATURE TANK M30										
FY 2006	22,044	3.13	JMC, ROCK ISLAND, IL	JAN 06	SSM-2/FP	DIEHL MFG, NUREMBERG, GE	MAR 06	SEP 06	YES	
FY 2007	8,656	3.35	JMC, ROCK ISLAND, IL	JAN 07	SSM-2/FP	DIEHL MFG, NUREMBERG, GE	MAR 07	JUL 08	YES	

Exhibit P-21, Production Schedule										Date: FEBRUARY 2007																				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					Weapon System					P-1 Line Item Nomenclature: (146800) DODIC:TBD, VISUAL INFRA-RED SCREENING SMOKE (VIRSS)																				
					PRODUCTION RATE					PROCUREMENT LEADTIMES																				
Item		Manufacturer's Name and Location			MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																	
VIRSS		1 RHEINMETALL, NEUENBURG, GERMANY			2500	5000	10000	6	5	12	12	17	K																	
					Fiscal Year 2006					Fiscal Year 2007																				
					Calendar Year 2006										Calendar Year 2007															
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B O C T
VIRSS	2008	MC1	17.4	0	17.4																									17.4
	2009	MC1	48.1	0	48.1																									48.1
					Fiscal Year 2008										Fiscal Year 2009															
					Calendar Year 2008										Calendar Year 2009															
Item	F Y	S V C	Q T Y	D E L	B A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B O C T
VIRSS	2008	MC1	17.4	0	17.4								A											5.0	5.0	5.0	2.4			0
	2009	MC1	48.1	0	48.1																			A						48.1

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (147100) ROCKETS, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	53.397	20.110	2.146	6.548	4.036	4.882	4.470	4.512		100.101

Description: The Cartridge and Launcher, 84mm M136 AT-4 (DODIC C995) is mainly employed against armored personnel carriers. However, it can be used against battle tanks when fired at the flanks or rear. It can also be employed as an assault weapon against bunkers, field fortifications, and other hard-point positions. Issued as one round of ammunition, the AT-4 tactical round is a self-contained, lightweight, disposable weapon.

The M72AS Trainer Rocket (DODIC HA21) is a 21mm Sub-Caliber practice rocket that fully simulates the M72A7 Tactical Rocket. The Trainer Rocket is used with the M72A Trainer Launcher (E5002VIIB) which is the same tube as the Tactical Rocket but contains an insert for use with the 21mm sub-caliber munition.

The M72A7 Tactical Rocket, High Explosive, (DODIC HA29) is a lightweight, single shot, disposable weapon optimized to defeat lightly armored vehicles and other hard targets at close combat ranges.

The SMAW Novel Explosive (DODIC HA34) round consists of an Encased Assault Rocket (EAR) with a Novel Explosive (thermobaric) warhead. The SMAW-NE is issued as a round of ammunition for firing from the reusable MK 153 launcher.

The Rocket, 83mm Assault MK3 Mod 0 (SMAW) (DODIC HX05) is designed especially for use against reinforced concrete, sandbag and timber bunkers, brick and block walls, and lightly armored vehicles.

The Rocket, 83mm High-Explosive Anti-Armor (HEAA) MK6 Mod 0 (SMAW) (DODIC HX06) is designed especially for use against main battle tanks and other armored vehicles. The rocket is an unguided, high explosive anti-armor rocket contained in a disposable one-shot rocket container.

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes Congressional Adds of \$2.8M for SMAW, NE Ammunition, \$1.0M for SMAW, High Explosive Dual Purpose (HEDP) Ammunition and \$3.4M for M72A7 Lightweight Attack Weapon System (LAW).

FY06 funding includes \$45.303M in Supplemental funds.

FY07 funding includes \$7.062M in Title IX funds.

FY07 funding includes Congressional Adds of \$2.9M for M72A7 Lightweight Attack Weapon System (LAW).

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (147300) ARTILLERY, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	81.539	47.327	36.604	72.072	137.020	153.845	49.735	97.340		675.482

Description: The Projectile, 155mm Illuminating M485A2 (DODIC D505) is a separate loading artillery projectile that consists of a hollow steel shell with an illuminant canister, a canister expelling charge in the projectile nose, and a drogue parachute in the base. This projectile is fired from the 155mm M198 and M777 Towed Howitzers. The projectile uses a Mechanical Time fuze.

The Projectile, 155mm High Explosive (HE) M795 (DODIC D529) is fired from the 155mm M198 Howitzer and is compatible with the M777 Light Weight 155 Howitzer. It is used to provide conventional support fires and provides an increase in range, lethality, and accuracy.

The Projectile, 155mm High Explosive (HE) M107 Series (DODIC D544) is a separate loading projectile fired from the M198 and M777 Towed Howitzers. It is used to provide conventional support fires for infantry maneuver units.

The Projectile, 155mm Smoke White Phosphorus (WP) M110A2 (DODIC D550) is a separate loading projectile used to provide smoke for marking purposes and can be used to provide screening of mechanized or infantry maneuver. The M110A2 projectile is fired from the M198 and M777 Towed Howitzers. A point detonating fuze is normally used with this projectile.

The M231 Modular Artillery Charge System (MACS)(DODIC DA12) is a propelling charge for the 155mm family of artillery projectiles. The M231 is used at lower zones (1 or 2 increments at a time) and is based on the classical unicharge design, i.e. bi-directional center core ignition, granular propellant contained in a rigid combustible case. MACS will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series, M3 series and M4 series).

The M232 Modular Artillery Charge System (MACS) (DODIC DA13) is a propelling charge for the 155mm family of artillery projectiles. The M232 is used at higher zones (3, 4, 5 or 6 increments at a time) and is based on the classical unicharge design, i.e. bi-directional center core ignition, granular propellant contained in a rigid combustible case. MACS will offer improvements in logistics, range, and simplicity when compared to existing bag propellants (M203 series, M119 series and M4 series).

The Primer, Percussion M82 (DODIC N523) consists of a cylindrical brass case with an extraction flange, which contains a plunger in the base, an ignition element, and a container loaded with 22 grains of black powder. The plunger (primer) has an integral striker and is activated by the breech mechanism firing pin. The ignition element is threaded into the primer case forward of the striker and contains a percussion primer. The black powder container is also threaded into the case with the open end toward the ignition element. This end is sealed with a paper disk to prevent seepage of black powder granules. The M82 Primer is used in the 155mm M198 and M777 Towed Howitzers.

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes \$12M in Title IX funds for 155MM High Explosive Projectile M795.

FY06 funding includes \$45.395M in Supplemental funds.

FY07 funding includes \$11.956M in Title IX funds.

Exhibit P-5, Cost Analysis			Weapon System			Date:						
						FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number:				ID Code:	P-1 Line Item Nomenclature:							
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				A	(147300) ARTILLERY, ALL TYPES							
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
D505, PROJ, 155MM, M485A2, ILLUM												
LOAD, ASSEMBLE & PACK (LAP)				12.752	15,244	836.50	5.715	6,690	854.25	7.723	8,853	872.31
UNIVERSAL LIFTING PLUG (EA)				0.126	15,702	8.02	0.055	6,891	8.02	0.075	9,119	8.19
GROMMET(EA)				0.029	15,702	1.84	0.013	6,891	1.95	0.018	9,119	1.99
PROJ MPTS				6.154	15,549	395.75	2.758	6,824	404.15	3.727	9,031	412.69
D529, PROJ, 155MM, M795, HE EX RANGE*												
LOAD, ASSEMBLE & PACK (LAP)	2.038	28,305	72.00	3.668	48,242	76.04	2.885	35,226	81.89	4.441	49,357	89.97
LIFTING PLUGS	0.251	28,871	8.68	0.451	49,207	9.17	0.355	35,930	9.87	0.546	50,344	10.85
PROJ M795 MPTS	7.043	28,871	243.96	12.678	49,207	257.65	9.970	35,930	277.48	15.347	50,344	304.84
SUPPLEMENTAL CHARGES	0.144	3,609	5.00	0.260	49,207	5.28	0.204	35,930	5.69	0.315	50,344	6.25
TNT TYPE I GRADE A(LB)	1.911	849,147	2.25	3.445	1,447,273	2.38	2.705	1,056,768	2.56	4.161	1,480,719	2.81
WOODEN PALLETS	0.188	3,609	52.23	0.339	6,151	55.16	0.267	4,491	59.41	0.411	6,293	65.27
D544, PROJ, 155MM, M107, HE												
LOAD, ASSEMBLE & PACK (LAP)	3.309	45,120	73.33									
COMP B TYPE I GRADE A(LB)	2.746	1,027,834	2.67									
PLUG, SHOCK ATTENUATING	0.311	46,248	6.73									
SUPPLEMENTAL CHARGE	0.495	46,023	10.76									
GROMMET(EA)	0.080	46,474	1.72									
PROJ M107 MPTS	6.660	46,023	144.70									
D550, PROJ, 155MM, M110A2, SMOKE WP												
LOAD, ASSEMBLE & PACK (LAP)	2.004	6,595	303.91	1.459	5,531	263.80	1.891	5,990	315.64	2.581	8,007	322.31
TNT TYPE I FLAKE(LB)	0.003	1,410	2.22	0.003	1,182	2.39	0.003	1,281	2.43	0.004	1,712	2.48
UNIVERSAL LIFTING PLUG (EA)	0.060	6,793	8.77	0.046	5,697	8.02	0.049	6,170	8.02	0.068	8,248	8.19
CASING BSTR(EA)	0.396	6,727	58.83	0.385	5,642	68.29	0.388	6,110	63.44	0.529	8,168	64.78
CHG BSTR M54A1 ASSY(EA)	0.328	6,793	48.35	0.579	5,697	101.70	0.195	6,170	31.59	0.266	8,248	32.26
CYCLOTOL 75/25 TYPE 1	0.082	12,135	6.74	0.079	10,178	7.73	0.087	11,022	7.93	0.119	14,733	8.10
GROMMET(EA)	0.012	6,793	1.72	0.010	5,697	1.84	0.012	6,170	1.95	0.016	8,248	1.99
PROJ 155MM WP M110A2 MPTS	1.510	6,727	224.42	1.804	5,642	319.75	1.861	6,110	304.57	2.540	8,168	311.01
Sub Total	29.571			44.267			29.413			42.887		

Exhibit P-5, Cost Analysis Continued			Weapon System			Date: FEBRUARY 2007								
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (147300) ARTILLERY, ALL TYPES										
			FY06			FY07			FY08			FY09		
WBS COST ELEMENTS			Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
DA12, CHG, 155MM, M231, MOD ARTY CHG SYS*														
LOAD, ASSEMBLE & PACK (LAP)			2.818	190,000	14.83							2.354	150,144	15.68
COMBUSTIBLE CASE SETS			5.217	195,700	26.66							4.358	154,648	28.18
PROPELLANT, SINGLE BASE, M231			3.990	665,000	6.00							3.333	525,504	6.34
IGNITION SYSTEM PROPELLANT			0.094	11,400	8.25							0.079	9,009	8.72
LAP CONTAINERS			1.837	47,500	38.68							1.535	37,536	40.89
BLACK POWDER			1.540	11,400	13.50							0.152	9,009	16.87
DA13, CHG, 155MM, M232, MOD ARTY CHG SYS*														
LOAD, ASSEMBLE & PACK (LAP)			4.748	242,000	19.62				0.732	36,000	20.34	2.219	107,000	20.74
COMBUSTIBLE CASE SETS			6.645	249,260	26.66				1.024	37,066	27.63	3.105	110,167	28.18
PROPELLANT (M232 TRIPLE BASE)			11.991	1,210,000	9.91				1.847	179,820	10.27	5.599	534,465	10.48
IGNITION SYSTEM/SPHERIODAL PROPELLANT			0.120	14,520	8.25				0.019	2,250	8.55	0.058	6,688	8.72
LAP CONTAINERS			2.000	48,400	41.32				0.317	7,398	42.83	0.960	21,989	43.68
BLACK POWDER			0.203	14,520	14.00				0.034	2,250	15.00	0.114	6,688	17.00
N523, PRIMER PERCUSSION, M82														
M82 PRIMER, PERCUSSION *			8.794	1,040,073	8.46									
PRODUCT														
ACCEPTANCE TESTING			1.349			0.670			0.732			1.405		
PRODUCTION ENGINEERING			3.308			2.554			2.389			3.722		
QUALITY ASSURANCE			0.187			0.008			0.097			0.192		
PC&H			0.240											
TNT FOR SUP CHG			0.059											
NONRECURRING														
GOVERNMENT FURNISHED MATERIAL			-3.242			-0.172								
SCRANTON REA			0.070											
Sub Total			51.968			3.060			7.191			29.185		
Total			81.539			47.327			36.604			72.072		

* UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGIT

Exhibit P-5a, Procurement History and Planning					Weapon System		Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (147300) ARTILLERY, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
D505, PROJ, 155MM, M485A2, ILLUM LOAD, ASSEMBLE & PACK (LAP)										
FY 2007	15,244	836.50	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	DEC 06	JUN 08	YES	
FY 2008	6,690	854.25	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 08	SEP 09	YES	
FY 2009	8,853	872.31	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	DEC 08	JUN 10	YES	
UNIVERSAL LIFTING PLUG										
FY 2007	15,702	8.02	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	DEC 06	JUN 08	YES	
FY 2008	6,891	8.02	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CORNET MACHINERY CORP, YONKERS, NY	MAR 08	MAY 09	YES	
FY 2009	9,119	8.19	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CORNET MACHINERY CORP, YONKERS, NY	MAR 09	FEB 10	YES	
GROMMET(EA)										
FY 2007	15,702	1.84	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	LC INDUSTRIES HAZELHURST	MAR 07	FEB 08	YES	
FY 2008	6,891	1.95	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	LC INDUSTRIES HAZELHURST	MAR 08	MAY 09	YES	
FY 2009	9,119	1.99	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	LC INDUSTRIES HAZELHURST	MAR 09	APR 10	YES	
PROJ MPTS										
FY 2007	15,549	395.75	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 07	FEB 08	YES	
FY 2008	6,824	404.15	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 08	JUL 09	YES	
FY 2009	9,031	412.69	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 09	APR 10	YES	
D529, PROJ, 155MM, M795, HE EX RANG LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	28,305	72.00	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	DAY & ZIMMERMAN, PARSONS, KS	APR 06	APR 08	YES	
FY 2007	48,242	76.04	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	DAY & ZIMMERMAN, PARSONS, KS	APR 07	APR 09	YES	
FY 2008	35,226	81.89	ARDEC, PICATINNY, NJ	UNKNOWN	C/FP	TBD	APR 08	APR 10	YES	
FY 2009	49,357	89.97	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	TBD	APR 09	APR 11	YES	
LIFTING PLUGS										
FY 2006	28,871	8.68	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	MEDICO IND, WILKES-BARRE, PA	APR 06	JAN 08	YES	
FY 2007	49,207	9.17	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	MEDICO IND, WILKES-BARRE, PA	APR 07	JAN 09	YES	
FY 2008	35,930	9.87	ARDEC, PICATINNY, NJ	UNKNOWN	C/FP	TBD	APR 08	JAN 10	YES	
FY 2009	50,344	10.85	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	TBD	APR 09	JAN 11	YES	
PROJ M795 MPTS										
FY 2006	28,871	243.96	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	CHAMBERLAIN MFG, SCRANTON, PA	APR 06	MAR 07	YES	
FY 2007	49,207	257.65	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	CHAMBERLAIN MFG, SCRANTON, PA	APR 07	JAN 09	YES	
FY 2008	35,930	277.48	ARDEC, PICATINNY, NJ	UNKNOWN	C/FP	TBD	APR 08	JAN 10	YES	
FY 2009	50,344	304.84	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	TBD	APR 09	JAN 11	YES	
SUPPLEMENTAL CHARGES										
FY 2006	3,609	5.00	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	MCALESTER AAP, MCALESTER, OK	APR 06	MAR 07	YES	
FY 2007	49,207	5.28	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	MCALESTER AAP, MCALESTER, OK	APR 07	JAN 09	YES	
FY 2008	35,930	5.69	ARDEC, PICATINNY, NJ	UNKNOWN	C/FP	TBD	APR 08	JAN 10	YES	
FY 2009	50,344	6.25	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	TBD	APR 09	JAN 11	YES	

Exhibit P-5a, Procurement History and Planning Continued						Weapon System		Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition						P-1 Line Item Nomenclature: (147300) ARTILLERY, ALL TYPES					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available	
TNT TYPE I GRADE A(LB)											
FY 2006	849,147	2.25	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	MCALISTER AAP, MCALISTER, OK	APR 06	MAR 07	YES		
FY 2007	1,447,273	2.38	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	MCALISTER AAP, MCALISTER, OK	APR 07	JAN 09	YES		
FY 2008	1,056,768	2.56	ARDEC, PICATINNY, NJ	UNKNOWN	C/FP	TBD	APR 08	JAN 10	YES		
FY 2009	1,480,719	2.81	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	TBD	APR 09	JAN 11	YES		
WOODEN PALLETS											
FY 2006	3,609	52.23	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	KNOX COUNTY ASSOCIATION, KNOX, KY	APR 06	JAN 08	YES		
FY 2007	6,151	55.16	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	KNOX COUNTY ASSOCIATION, KNOX, KY	APR 07	JAN 09	YES		
FY 2008	4,491	59.41	ARDEC, PICATINNY, NJ	UNKNOWN	C/FP	TBD	APR 08	JAN 10	YES		
FY 2009	6,293	65.27	ARDEC, PICATINNY, NJ	UNKNOWN	SS/OP	TBD	APR 09	JAN 11	YES		
D544, PROJ, 155MM, M107, HE LOAD, ASSEMBLE & PACK (LAP)											
FY 2006	45,120	73.33	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	AMERICAN ORDNANCE, MIDDLETON, IA	APR 06	SEP 07	YES		
COMP B TYPE I GRADE A(LB)											
FY 2006	1,027,834	2.67	N/A	UNKNOWN	N/A	STOCK ISSUE	N/A	N/A	YES		
PLUG, SHOCK ATTENUATING											
FY 2006	46,248	6.73	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	J & M MACHINE PRODUCTS, MUSKEGON, IN	MAY 06	OCT 06	YES		
INSENSITIVE RDX											
FY 2006	703,872	0.0035	N/A	UNKNOWN	N/A	STOCK ISSUE	N/A	N/A	YES		
SUPPLEMENTAL CHARGE											
FY 2006	46,023	10.76	N/A	UNKNOWN	N/A	STOCK ISSUE	N/A	N/A	YES		
GROMMET(EA)											
FY 2006	46,474	1.72	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	LC INDUSTRIES HAZELHURST, IL	JAN 06	OCT 06	YES		
PROJ M107 MPTS											
FY 2006	46,023	144.70	JMC, ROCK ISLAND, IL	UNKNOWN	CM-3/FP	CHAMBERLAIN MFG, SCRANTON, PA	JAN 06	NOV 06	YES		
D550, PROJ, 155MM, M110A2, SMOKE WP LOAD, ASSEMBLE & PACK (LAP)											
FY 2006	6,595	303.91	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	APR 06	JAN 08	YES		
FY 2007	5,531	263.80	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 07	JUL 08	YES		
FY 2008	5,990	315.64	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 08	JUL 09	YES		
FY 2009	8,007	322.31	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	PINE BLUFF ARSENAL, PINE BLUFF, AR	MAR 09	JUL 10	YES		
TNT TYPE I FLAKE (LB)											
FY 2006	1,410	2.22	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	ATK THIKOL, INC. CORINE, IL	APR 06	JUL 06	YES		
FY 2007	1,182	2.39	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	ATK THIKOL, INC. CORINE, IL	APR 07	OCT 07	YES		
FY 2008	1,281	2.43	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	APR 08	OCT 08	YES		
FY 2009	1,712	2.48	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	APR 09	OCT 09	YES		
UNIVERSAL LIFTING PLUG											
FY 2006	6,793	8.77	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	CORONET MACHINERY CORP, YONKERS, NY	SEP 06	FEB 07	YES		
FY 2007	5,697	8.02	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	N/A	N/A	YES		
FY 2008	6,170	8.02	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CORONET MACHINERY CORP, YONKERS, NY	MAR 08	JUL 08	YES		
FY 2009	8,248	8.19	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CORONET MACHINERY CORP, YONKERS, NY	MAR 09	JUL 09	YES		
CASING BSTR(EA)											
FY 2006	6,727	58.83	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CHAMBERLAIN MFG, SCRANTON, PA	MAY 06	MAY 07	YES		
FY 2007	5,642	68.29	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CHAMBERLAIN MFG, SCRANTON, PA	MAR 07	DEC 07	YES		
FY 2008	6,110	63.44	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 08	DEC 08	YES		
FY 2009	8,168	64.78	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 09	DEC 09	YES		
CHG BSTR M54A1 ASSY(EA)											
FY 2006	6,793	48.35	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 07	NOV 07	YES		
FY 2007	5,697	101.70	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	OCT 07	MAR 08	YES		
FY 2008	6,170	31.59	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	MAR 08	MAR 09	YES		
FY 2009	8,248	32.26	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	TBD	MAR 09	MAR 10	YES		
CYCLOTOL 75/25 TYPE 1											
FY 2006	12,135	6.74	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	BAE HOLSTON AAP, KINGSPORT	APR 06	JUL 06	YES		
FY 2007	10,178	7.73	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	BAE HOLSTON AAP, KINGSPORT	JAN 07	JUL 07	YES		
FY 2008	11,022	7.93	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	JAN 08	JUL 08	YES		
FY 2009	14,733	8.10	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	JAN 09	JUL 09	YES		

Exhibit P-5a, Procurement History and Planning Continued				Weapon System			Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (147300) ARTILLERY, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
GROMMET (EA)										
FY 2006	6,793	1.72	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	LC INDUSTRIES HAZELHURST	APR 06	AUG 06	YES	
FY 2007	5,697	1.84	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	LC INDUSTRIES HAZELHURST	APR 07	AUG 07	YES	
FY 2008	6,170	1.95	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	LC INDUSTRIES HAZELHURST	APR 08	AUG 08	YES	
FY 2009	8,248	1.99	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	LC INDUSTRIES HAZELHURST	APR 09	AUG 09	YES	
PROJ 155MM WP M110A2 MPTS(EA)										
FY 2006	6,727	224.42	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CHAMBERLAIN MFG, SCRANTON, PA	MAY 06	MAY 07	YES	
FY 2007	5,642	319.75	JMC, ROCK ISLAND, IL	UNKNOWN	C/OP	CHAMBERLAIN MFG, SCRANTON, PA	MAR 07	OCT 07	YES	
FY 2008	6,110	304.57	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 08	DEC 08	YES	
FY 2009	8,168	311.01	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 09	DEC 09	YES	
DA12, CHG, 155MM, M231, MOD ARTY CHG SYS LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	190,000	14.83	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	AMERICAN ORDNANCE, MIDDLETON, IA	JUL 06	JUN 07	YES	
FY 2009	150,144	15.68	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	TBD	MAR 09	SEP 09	YES	
COMBUSTIBLE CASE SETS										
FY 2006	195,700	26.66	PICATINNY ARSENAL, NJ	UNKNOWN	CM/FP	ARMTEC, COACHELLA, CA	APR 06	MAR 07	YES	
FY 2009	154,648	28.18	PICATINNY ARSENAL, NJ	UNKNOWN	CM/FP	TBD	MAR 09	AUG 09	YES	
IGNITION SYSTEM PROPELLANT										
FY 2006	11,400	8.25	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	GD ST MARKS POWDER, ST MARKS FL	APR 06	MAR 07	YES	
FY 2009	9,009	8.72	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	GD ST MARKS POWDER, ST MARKS FL	MAR 09	AUG 09	YES	
LAP CONTAINERS										
FY 2006	47,500	38.68	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	CONCO, LOUISVILLE, KY	JUN 06	MAR 07	YES	
FY 2009	37,536	40.89	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	TBD	MAR 09	AUG 09	YES	
PROPELLANT, SINGLE BASE, M231										
FY 2006	665,000	6.00	PICATINNY ARSENAL, NJ	UNKNOWN	C/FP	ALLIANT TECHSYS, RADFORD, VA	MAY 06	MAR 07	YES	
FY 2009	525,504	6.34	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	TBD	MAR 09	AUG 09	YES	
BLACK POWDER										
FY 2006	11,400	13.50	ROCK ISLAND, IL	UNKNOWN	C/FP	GOEX INC, MINDEN, LA	JUN 06	MAR 07	YES	
FY 2009	9,009	16.87	ROCK ISLAND, IL	UNKNOWN	OP	GOEX INC, MINDEN, LA	MAR 09	MAR 10	YES	
DA13, CHG, 155MM, M232, MOD ARTY CHG SYS LOAD, ASSEMBLE & PACK (LAP)										
FY 2006	242,000	19.62	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	AMERICAN ORDNANCE, MIDDLETON, IA	JUL 06	JUN 07	YES	
FY 2008	36,000	20.34	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	TBD	MAR 08	JAN 10	YES	
FY 2009	107,000	20.74	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	TBD	MAR 09	JAN 11	YES	
COMBUSTIBLE CASE SETS										
FY 2006	249,260	26.66	PICATINNY ARSENAL, NJ	UNKNOWN	CM/FP	ARMTEC, COACHELLA, CA	APR 06	MAR 07	YES	
FY 2008	37,066	27.63	PICATINNY ARSENAL, NJ	UNKNOWN	CM/FP	TBD	MAR 08	NOV 08	YES	
FY 2009	110,167	28.18	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	TBD	MAR 09	NOV 09	YES	
IGNITION SYSTEM/SPHERICAL PROPELLANT										
FY 2006	14,520	8.25	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	GD ST MARKS POWDER, ST MARKS, FL	APR 06	MAR 07	YES	
FY 2008	2,250	8.55	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	GD ST MARKS POWDER, ST MARKS, FL	MAR 08	MAR 09	YES	
FY 2009	6,688	8.72	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	GD ST MARKS POWDER, ST MARKS, FL	MAR 09	MAR 10	YES	
LAP CONTAINERS										
FY 2006	48,400	41.32	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	CONCO, LOUISVILLE, KY	JUN 06	MAR 07	YES	
FY 2008	7,398	42.83	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	CONCO, LOUISVILLE, KY	JUN 08	MAR 09	YES	
FY 2009	21,989	43.68	PICATINNY ARSENAL, NJ	UNKNOWN	SS/OP	TBD	MAR 09	MAR 10	YES	
PROPELLANT (M232 TRIPLE BASE)										
FY 2006	1,210,000	9.91	PICATINNY ARSENAL, NJ	UNKNOWN	C/FP	ALLIANT TECHSYS, RADFORD, VA	MAY 06	MAR 07	YES	
FY 2008	179,820	10.27	PICATINNY ARSENAL, NJ	UNKNOWN	C/OP	ALLIANT TECHSYS, RADFORD, VA	FEB 08	MAR 09	YES	
FY 2009	534,465	10.48	PICATINNY ARSENAL, NJ	UNKNOWN	C/OP	TBD	MAR 09	MAR 10	YES	
BLACK POWDER										
FY 2006	14,520	14.00	ROCK ISLAND, IL	UNKNOWN	C/FP	GOEX INC, MINDEN, LA	JUN 06	MAR 07	YES	
FY 2008	2,250	15.00	ROCK ISLAND, IL	UNKNOWN	OP	GOEX INC, MINDEN, LA	JUN 08	MAR 09	YES	
FY 2009	6,688	17.00	ROCK ISLAND, IL	UNKNOWN	OP	GOEX INC, MINDEN, LA	MAR 09	MAR 10	YES	
N523, PRIMER PERCUSSION, M82										
M82 PRIMER, PERCUSSION										
FY 2006	1,040,073	8.46	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	DAY & ZIMMERMAN (LSAAP) TEXARKANA, TX	SEP 06	APR 07	YES	

Exhibit P-21, Production Schedule	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (147300) DODIC: D505, PROJ, 155MM, M485A2, ILLUM
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
D505	1 PINE BLUFF ARSENAL, PINE BLUFF, AR	2	4	10	6	2	18	18	20	K
	2 TO BE DETERMINED	2	4	10	6	5	18	18	23	K

Fiscal Year 2006	Fiscal Year 2007
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Item	Calendar Year 2006												Calendar Year 2007																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
Y	V	T	E	A	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A	
D505	2007	MC1	15.2	0	15.2																									15.2
	2008	MC2	6.69	0	6.69																									6.69
	2009	MC2	8.85	0	8.85																									8.85

Fiscal Year 2008	Fiscal Year 2009
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Item	Calendar Year 2008												Calendar Year 2009																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
Y	V	T	E	A	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A	
D505	2007	MC1	15.2	0	15.2									2.0	2.0	2.0	2.0	3.0	2.0	2.2									0	
	2008	MC2	6.69	0	6.69								A																4.00	2.69
	2009	MC2	8.85	0	8.85																A									8.85

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-21, Production Schedule, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (147300) DODIC: D505, PROJ, 155MM, M485A2, ILLUM
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
D505	1 PINE BLUFF ARSENAL, PINE BLUFF, AR	2	4	10	6	2	18	18	20	K
	2 TO BE DETERMINED	2	4	10	6	5	18	18	23	K

Fiscal Year 2010	Fiscal Year 2011
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Item	Calendar Year 2010												Calendar Year 2011																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
D505	2007	MC1	15.2	15.2	0																									0
	2008	MC2	6.69	4.00	2.69	2.69																								0
	2009	MC2	8.85	0	8.85									4.00	4.00	0.85														0

Fiscal Year 2012	Fiscal Year 2013
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Item	Calendar Year 2012												Calendar Year 2013																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
D505	Y	C	Y	L	L	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	L

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-21, Production Schedule, Continued Date: FEBRUARY 2007

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition Weapon System P-1 Line Item Nomenclature: (147300) DODIC: D529, PROJ, 155MM, M795, HE EX RANGE

Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES					
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
D529	1 DAY & ZIMMERMAN, PARSONS, KS	5	15	20	6	6	24	18	30	K
	2 TBD	5	15	20	6	6	24	18	30	K

Item	Fiscal Year 2010												Fiscal Year 2011																	
	Calendar Year 2010												Calendar Year 2011																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
D529	2006	MC1	28.3	28.3	0																									0
	2007	MC1	48.2	48.2	0																									0
	2008	MC2	35.2	0	35.2					15.0	15.0	5.2																	0	
	2009	MC2	49.4	0	49.4																		15.0	15.0	15.0	4.4			0	

Item	Fiscal Year 2012												Fiscal Year 2013																
	Calendar Year 2012												Calendar Year 2013																
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
D529	2006	MC1	28.3	28.3	0																								0
	2007	MC1	48.2	48.2	0																								0
	2008	MC2	35.2	35.2	0																								0
	2009	MC2	49.4	49.4	0																								0

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-21, Production Schedule	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (147300) DODIC: D550, PROJ, 155MM, M110, WP
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
D550	1 PINE BLUFF ARSENAL, PINE	8	10	17	8	6	21	13	27	K

Item	Fiscal Year 2006												Fiscal Year 2007																	
	Calendar Year 2006												Calendar Year 2007																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
Y	C	V	T	E	A	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A
D550	2006	M	6.60	0	6.60							A																		6.60
	2007	M	5.53	0	5.53																		A							5.53
	2008	M	5.99	0	5.99																									5.99
	2009	M	8.01	0	8.01																									8.01

Item	Fiscal Year 2008												Fiscal Year 2009																	
	Calendar Year 2008												Calendar Year 2009																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
Y	C	V	T	E	A	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	A
D550	2006	M	6.60	0	6.60				6.60																					0
	2007	M	5.53	0	5.53										5.53															0
	2008	M	5.99	0	5.99							A															5.99			0
	2009	M	8.01	0	8.01																		A							8.01

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-21, Production Schedule															Date: FEBRUARY 2007																
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition										Weapon System					P-1 Line Item Nomenclature: (147300) DODIC: DA12, CHG, 155MM, M231, MOD ARTY CHG SYS																
										PRODUCTION RATE					PROCUREMENT LEADTIMES																
Item		Manufacturer's Name and Location			MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																		
DA12		1 AMERICAN ORDNANCE, MIDDLETON, IA			30	60	125	3	9	11	11	20	K																		
		2 TBD			30	60	125	3	5	6	6	11	K																		
Fiscal Year 2010										Fiscal Year 2011																					
Calendar Year 2010										Calendar Year 2011																					
Item	F Y	S V C	Q T Y	D L	B L	O T	N V	D 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	B L	
DA12	2006	MC1	190	190	0																									0	
	2009	MC2	150	25	125	25	25	25	25	25																				0	
Fiscal Year 2012										Fiscal Year 2013																					
Calendar Year 2012										Calendar Year 2013																					
Item	F Y	S V C	Q T Y	D L	B L	O T	N V	D 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	B L	
REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.																															

Exhibit P-21, Production Schedule, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (147300) DODIC: DA13, CHG, 155MM, M232, MOD ARTY CHG SYS
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES					
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
DA13	1 AMERICAN ORDNANCE, MIDDLETON, IA	30	60	125	3	9	11	11	20	K
	2 TBD	30	60	125	3	5	22	22	27	K

Item	Fiscal Year 2010										Fiscal Year 2011																		
	Calendar Year 2010					Calendar Year 2010					Calendar Year 2011					Calendar Year 2011													
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
DA13	2006	MC1	242	242	0																								
	2008	MC2	36	0	36				18	18																			
	2009	MC2	107	0	107															22	22	22	22	19					

Item	Fiscal Year 2012										Fiscal Year 2013																		
	Calendar Year 2012					Calendar Year 2012					Calendar Year 2013					Calendar Year 2013													
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-8-5 PRODUCTION RATES.

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (147500) EXPEDITIONARY FIGHTING VEHICLE
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	5.661	0.000	0.004	6.573	15.946	15.833	31.570	32.812		108.399

DODIC AA89 (Formerly interim DODIC "B002"), The High Explosive - Tracer (HE-T) is the Expeditionary Fighting Vehicles (EFV's) main round. The HE is a full-bore hardened nose steel projectile filled with an explosive main charge with a mechanical base fuze. This round combines the strengths of a standard High Explosive round against the EFV's prime target (infantry) with the ability to penetrate soft to medium armor targets like light armored vehicles and fortified emplacements which are too "soft" for the Armor Piercing Fin Stabilized Discarding Sabot - Traced (APFSDS-T) round or where an explosive effect is required. When fired against soft targets, the HE produces many, relatively small fragments producing lethality levels equal to a standard 30mm high explosive round. The combination of the hardened nose and a base fuze functioning with a slight delay, allows the HE to penetrate inside hardened targets.

DODIC AA90 (Formerly DODIC "B001"), the Target Practice - Tracer (TP-T) provides a low cost round to train and sustain Expeditionary Fighting Vehicle (EFV) crews in perishable gunnery skills. The TP-T round has an inert full-bore projectile which allows it to be fired at ranges and facilities without the concern of unexploded ordnance associated with High Explosive ammunition, nor the distance of flight issues associated with Armor Piercing Fin Stabilized Discarding Sabot-Tracer round (APFSDS-T).

DODIC B003 (Interim DODIC): The kinetic energy Armor Piercing Fin Stabilized Discarding Sabot - Tracer (APFSDS-T) round will be utilized by the Expeditionary Fighting Vehicle (EFV) to defeat extremely "hard" targets such as infantry fighting vehicles. The APFSDS-T round utilizes a long rod type of penetrator, which provides a highly effective means of deep penetration into materials such as metals (steel, RHA, etc.), concrete, ceramic, and other highly resistant target materials. Unlike most APFSDS-T rods which are made of Depleted Uranium (DU), these rods are fabricated from a hardened tungsten alloy, a high density "heavy metal" which produces significant penetration capabilities without the associated concerns of DU.

Exhibit P-40, Budget Item Justification										Date: FEBRUARY 2007	
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES						
Program Element for Code B Items:					Other Related Program Elements						
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	46.151	15.917	0.034	21.479	8.152	18.687	17.576	18.304		146.300
<p>Description: The Cap, Blasting Electric MK17 MOD 1-(DODIC DWFP) is a hazards of electromagnetic radiation to ordnance (HERO)SAFE item used for initiating high explosives with a blasting machine or other suitable source of electric power. It is capable of detonating all standard military explosives.</p> <p>The Charge, Demolition Block M112 1-1/4 pound C-4 (DODIC M023) is a general-purpose demolition. It is suitable for underwater use and is particularly effective against steel, concrete, and timber. The charge may be detonated by electric blasting caps, non-electric blasting caps, or detonating cord. Composition C-4 is more powerful than TNT.</p> <p>The Charge, Demolition Block Trinitrotoluene (TNT) 1/4-Pound (DODIC M030) is a standard demolition charge; however, it is primarily used for training purposes. There is no model number assigned to this item. The demolition charge is issued in an olive drab cylindrical waterproof cardboard container. The container has metal ends with a threaded cap well in one end. Each box of 192 charges is provided with 48 M14A1 Priming Adapters.</p> <p>The Charge, Demolition Block Trinitrotoluene (TNT) 1-Pound (DODIC M032) is used for general demolition purposes and is primarily effective as a cutting or breaching charge, except for special steel-cutting charges.</p> <p>The Charge, Demolition Cratering 40-Pound (DODIC M039) is an alternate to the standard ammonium nitrate cratering charge for the destruction of buildings, structures, and fortifications. The charge is composed of approximately 40-pound of H-6 explosive and a .43-pound A-5 composition booster. A 6 explosive is a highly brisant explosive derived from the HBX family. A semicircular handle is also located on the top of the container for handling the charge or for attaching a line when lowering the charge in a hole.</p> <p>The Cap, Blasting Non-Electric M7 (DODIC M131) is used to detonate high explosives and is initiated by time-blasting fuse. The M7 Blasting Cap consists of an aluminum alloy tube containing a base charge of RDX or PETN, a priming charge, and an ignition charge.</p> <p>The Cartridge, Impulse .50 Caliber (DODIC M174) is intended for use in Explosive Ordnance Disposal (EOD) tools and equipment. This cartridge is an electrically initiated gas producing device consisting of a MK1 Mod 2 electric squib containing diazodinitrophenol, potassium chlorate and black powder, and a main charge containing M-10 Single Base Propellant, black powder, and Type 1 Class 1 propellant.</p> <p>The Charge, Demolition Shaped M3 Series 40-Pound (DODIC M421) is used for penetrating metal, concrete, earth or other materials. This charge consists of approximately 30 lbs. of 50/50 pentolite or 28.3 lbs. of Composition B with a 1.7 lbs. 50/50-pentolite booster. The explosive charge is enclosed in a sheet steel container with a metal cavity liner and a detachable standoff frame assembly. The standoff frame assembly has three legs and is about 15 inches tall.</p> <p>The Cord, Detonating, PETN Type I Class E (DODIC M456) is used to prime and detonate single or multiple explosive charges simultaneously. Detonating cord alone functions as an explosive charge. It is particularly useful for initiating charges placed in wet boreholes or underwater.</p> <p>The Fuse, Blasting Time M700 (DODIC M670) consists of a black powder core encased in a dark green fiber wrapping that is covered with a waterproof plastic cover. It is marked with a single yellow band at 1-foot or 18-inch intervals and double yellow bands at 5-foot or 90-inch intervals. These markings are used to estimate the approximate lengths of fuse required for tactical situations.</p> <p>The Charge, Assembly Demolition M183 Comp C-4 (DODIC M757) is used by assault demolition teams in general demolition operations such as reduction of small obstacles, cutting, breaching, and cratering. The M183 Charge Assembly consists of 16 M112 Demolition Blocks and 4 M15 Priming Assemblies. Each M112 block is composed of 1-1/4 pounds of Composition C-4. The M15 Priming Assembly is a 5-foot length of detonating cord with two plastic M1 Clips and 2 RDX boosters attached. The boosters, which are about 1/4" in diameter and 2-inches in length contain approximately 13.5 grains of RDX.</p>											

Exhibit P-40, Budget Item Justification, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	46.151	15.917	0.034	21.479	8.152	18.687	17.576	18.304		146.300

The Firing Device, Demolition Multi-Purpose M142 (DODIC ML03) is intended for use with antipersonnel mines and when setting up booby-traps using demolition charges. The device provides a simple means of mechanical initiation of booby-trap by pressure, pull, pressure release, or tension release. The basic component of the device is a mechanical switch designed for actuation by pressure, pull, pressure release, or tension release.

The Charge, Demolition Flexible 20 Gram Pentaerythritol Tetranitrate (PETN) MK140 Mod 0 (DODIC MM30) is intended to be used as an individual charge, or can be used as a booster for other charges. The charge can be used in all applications where demolitions are required.

The Charge, Demolition Flexible Linear Shaped 30 Grains Per Foot (DODIC MM41) is designed for fast and reliable cutting of materials. The DODIC MM41 will cut steel up to 0.06-inches thick or aluminum up to 0.11-inches thick. MM41 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Flexible Linear Shaped 40 Grains Per Foot (DODIC MM42) is designed for fast and reliable cutting of materials. The DODIC MM42 will cut steel up to 0.05 inches thick, or aluminum up to 0.14 inches thick. MM42 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Flexible Linear Shaped 60 Grains Per Foot (DODIC MM43) is designed for fast and reliable cutting of materials. The DODIC MM43 will cut steel up to 0.10-inches thick, or aluminum up to 0.16-inches thick. The DODIC MM43 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Flexible Linear Shaped 75 Grains Per Foot (DODIC MM44) is designed for fast and reliable cutting of materials. The DODIC MM44 will cut steel up to 0.10-inches thick or aluminum up to 0.16-inches thick. The DODIC MM44 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Flexible Linear Shaped 125 Grains Per Foot (DODIC MM45) is designed for fast and reliable cutting of materials. The DODIC MM45 will cut steel up to 0.13-inches thick, or aluminum up to 0.21-inches thick. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action. The charge contains 125 grains per foot of CH-6. The lead sheathing is blue/gray in color and is 6-feet long.

Exhibit P-40, Budget Item Justification, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	46.151	15.917	0.034	21.479	8.152	18.687	17.576	18.304		146.300

The Charge, Demolition Flexible Linear Shaped 225 Grains Per Foot (DODIC MM46) is designed for fast and reliable cutting of materials. The DODIC MM46 will cut steel up to 0.18-inches thick, or aluminum up to 0.31-inches thick. MM46 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Flexible Linear Shaped 400 Grains Per Foot (DODIC MM47) is designed for fast and reliable cutting of materials. The DODIC MM47 will cut steel up to 0.20-inches thick or aluminum up to 0.41-inches thick. MM47 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Flexible Linear Shaped 600 Grains Per Foot (DODIC MM48) is designed for fast and reliable cutting of materials. The DODIC MM48 will cut steel up to 0.27-inches thick or aluminum up to 0.46-inches thick. MM48 is a continuous explosive core of CH-6 enclosed in a seamless lead sheath. The charge is shaped in the form of an inverted "V" to concentrate an explosive force in a linear cutting action.

The Charge, Demolition Low Hazard MK143 Mod 0 600 Grains Per Foot (DODIC MM51) is a continuous explosive core of plastic bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. The underside of the charge has an adhesive backed tape that adheres to most dry surfaces. This charge contains 600 grains per foot of a commercial plastic bonded explosive.

The Charge, Demolition Low Hazard Mk145 Mod 0 2400 Grains Per Foot (DODIC MM53) is a continuous explosive core of plastic-bonded explosive with a flexible copper-polymer liner. The charge is encased in lightweight olive drab polyethylene foam. The underside of the charge has an adhesive backed tape that adheres to most dry surfaces. This charge contains 2400 grains per foot of a commercial plastic bonded explosive.

The Detonator, Non-Electric MK123 Mod 0 (DODIC MM56) is used in place of the M7 Non-Electric Blasting Cap or the M6 Electric Blasting Cap. It is used where a non-electric waterproof application is desired. The system consists of a dual non-fragmenting 100-foot, co-extruded, olive drab, plastic polyethylene pyrotechnic lead (shock tube) containing less than 0.1 grains per foot of HMX with two factory crimped M7 Detonators.

The Canine Explosive Scent Kit (DODIC MN01) is composed of different samples of common explosives used to train dogs to detect explosives. The samples are packaged in individual containers. The types of explosives can vary based on the type of training being conducted. These samples may be of dynamite, time-safety fuze, C4, TNT, detonating cord, smokeless powder, and water gel explosive.

Exhibit P-40, Budget Item Justification, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	46.151	15.917	0.034	21.479	8.152	18.687	17.576	18.304		146.300

The M81 with Shock Tube Capability (DODIC MN08) is a small plastic tube with a pull ring on a thin rod projecting from one end, a safety (cotter) pin that goes laterally through the tube and a screw cap that secures a holding mechanism for the fuze or shock tube on the other end.

The Firing Device, Handheld (Inert) MK 54 MOD 0 (DODIC MN14) consists of two stainless steel cylindrical assemblies connected by a trigger mechanism. A secondary safety pin is inserted through the assemblies. The firing ends of the assemblies are internally threaded to receive the applicable pyrotechnic lead initiator. Each assembly contains a spring-loaded firing pin that can be recocked by the sear lever on the trigger mechanism. The MK 54 MOD 0 is used to initiate the MK23, MK24 and MK25 MODS pyrotechnic lead initiators.

The Detonator, Non-Electric MK154 (DODIC MN52) is used in place of the M7 Non-Electric Blasting Cap or the M6 Electric Blasting Cap. It is used where a non-electric waterproof application is desired. The system consists of a dual non-fragmenting 100-foot, co-extruded, olive drab, plastic polyethylene pyrotechnic lead (shock tube) containing less than 0.1 grains per foot of HMX with two factory crimped M7 Detonators.

The M21 (DODIC MN88) consists of a 500 foot length of minitube with an M42C1 in-line primer built into one end of the minitube and a non-electric, non-delay blasting cap attached to the other end. The minitube is a plastic conduit with a thin layer of special explosive material deposited on its interior surface. The firing assembly of the M81 igniter is attached to each in-line primer. The M9 holder attached to the cap is used as a cap protector and for connection to other detonator assemblies.

The M23 (DODIC MN90) consists of a 1000 foot length of minitube with an M42C1 in-line primer built into one end of the minitube and a non-electric, non-delay blasting cap attached to the other end. The minitube is a plastic conduit with a thin layer of special explosive material deposited on its interior surface. The firing assembly of the M81 igniter is attached to each in-line primer. The M9 holder attached to the cap is used as a cap protector and for connection to other detonator assemblies.

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes \$3.5M in Title IX funds for MN08.

FY06 funding includes \$36.420M in Supplemental funds.

FY07 funding includes \$7.668M in Title IX funds.

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES
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	ID Code	FY2006	FY2007	FY2008	FY2009					To Complete	Total
M174, CTG, IMPULSE CAL .50 ELECTRIC	A	0.000	0.000	0.000	0.056						
QTY		0	0	0	3,323						
MM30, CHARGE, FLEXIBLE 20 GRAM	A	0.000	0.010	0.000	0.022						
QTY		0	3,533	0	7,407						
MM41, CHARGE, DEMO FLSC 30 GR/FT	A	0.000	0.012	0.000	0.026						
QTY		0	271	0	559						
MM42, CHARGE, DEMO FLSC 40 GR/FT	A	0.000	0.036	0.000	0.064						
QTY		0	795	0	1,347						
MM43, CHARGE, DEMO FLSC 60 GR/FT	A	0.000	0.000	0.000	0.006						
QTY		0	0	0	135						
MM44, CHARGE, DEMO FLSC 75 GR/FT	A	0.000	0.000	0.000	0.117						
QTY		0	0	0	2,364						
MM45, CHARGE, DEMO FLSC 125 GR/FT	A	0.000	0.325	0.000	0.000						
QTY		0	6,436	0	0						
MM46, CHARGE, DEMO FLSC 225 GR/FT	A	0.000	0.025	0.000	0.122						
QTY		0	506	0	2,369						
Subtotal		0.000	0.408	0.000	0.413						

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES
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	ID Code	FY2006	FY2007	FY2008	FY2009						To Complete	Total
MM47, CHARGE, DEMO FLSC 400 GR/FT	A	0.000	0.283	0.000	0.348							
QTY		0	5,628	0	6,629							
MM48, CHARGE, DEMO FLSC 600 GR/FT	A	0.000	0.000	0.000	0.150							
QTY		0	0	0	2,804							
MM51, CHARGE, DEMO FLSC 600 GR/FT	A	2.023	0.130	0.000	0.300							
QTY		75,037	6,250	0	13,736							
MM53, CHARGE, DEMO FLSC 2400 GR/FT	A	0.000	0.007	0.000	0.126							
QTY		0	141	0	2,244							
MM56, DET, PERCUSSION 175MS DELAY	A	0.000	0.791	0.000	1.830							
QTY		0	16,829	0	37,082							
MN01, SCENT KIT EXPL DETECT DOG	A	0.000	0.034	0.034	0.034							
QTY		0	34	32	30							
MN14, DUAL FIRING DEVICE MK54	A	0.000	0.006	0.000	0.012							
QTY		0	17	0	32							
Subtotal		2.023	1.251	0.034	2.800							
Grand Total		2.023	1.659	0.034	3.213							

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(150000) DEMOLITION MUNITIONS, ALL TYPES								
	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
DWFP, CAP, BLASTING, ELECT, MK17 MOD 1												
COMPLETE ROUND	5.000	184,160	27.15									
M023, CHARGE, DEMO BLOCK 1 1/4LB C-4												
LOAD, ASSEMBLE & PACK (LAP)	1.523	309,630	4.92	0.239	24,668	9.68						
COMP C-4 CLASS 3(LB)	3.200	408,712	7.83	0.272	32,562	8.35						
M030, CHARGE, DEMOLITION 1/4LB TNT												
LOAD, ASSEMBLE & PACK (LAP)										0.135	21,200	6.38
TNT TYPE I FLAKE(LB)										0.020	8.224	2.48
M032, CHARGE, DEMO BLOCK 1 LB TNT												
COMPLETE ROUND	3.097	400,656	7.73							0.697	70,085	9.94
TNT TYPE I FLAKE(LB)										0.178	71,768	2.48
M039, CHARGE, DEMO 40 LB CRATERING												
LOAD, ASSEMBLE & PACK (LAP)				0.163	652	250.10				2.637	6,064	434.82
* COMP D-2 (LB)				0.011	1,304	8.22				0.289	13,948	20.69
*COMP A-5 CLASS 1(LB)				0.002	333	5.46						
*COMP B TYPE I GRADE A(LB)				0.051	18,908	2.67				0.541	219,457	2.47
ALUMINUM POWDER (LB)				0.007	5,216	1.26						
TNT TYPE I FLAKE(LB)				0.019	7,824	2.39						
M131, CAP, BLASTING NON-ELECTRIC												
COMPLETE ROUND				1.876	402,037	4.67				0.409	83,126	4.92
M421, CHARGE, DEMO SHAPED 40 LB*												
LOAD, ASSEMBLE & PACK (LAP)				0.440	789	557.22				3.010	6,833	440.44
*COMP B TYPE I GRADE A(LB)				0.065	24,495	2.67				0.523	212,131	2.47
COMP A-3 (LB)				0.001	90	10.60				0.009	773	11.19
TNT TYPE I FLAKE(LB)				0.023	9,798	2.39						
M456, CORD, DETONATING PETN*												
COMPLETE ROUND	0.999	2,896,477	0.34									
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
SUB TOTAL	13.819			3.169			0.000			8.448		

Exhibit P-5, Cost Analysis Continued		Weapon System			Date: FEBRUARY 2007							
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				ID Code: A	P-1 Line Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES							
	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
M670, FUZE, BLASTING, TIME, M700												
COMPLETE ROUND	0.940	3,914,641	0.24									
M757, CHARGE, ASSEMBLY DEMOLITION												
LOAD, ASSEMBLE & PACK (LAP)				2.588	6,837	378.50				4.796	17,948	267.23
COMP C-4 CLASS 3(LB)				1.206	144,398	8.35				3.530	379,062	9.31
ML03, FIRING DEV, DEMO MULTIPURPOSE												
COMPLETE ROUND	4.863	50,973	95.40									
MN08, IGNITER, TIME FUZE BLASTING*												
LOAD, ASSEMBLE & PACK (LAP)	4.713	853,804	5.52	3.551	624,219	5.60				1.647	288,173	5.72
MN52, DETONATOR, NON-ELECTRIC 1000FT MK154*												
COMPLETE ROUND	6.255	80,028	78.16	3.045	38,958	77.47						
MN88, CAP BLASTING, NON-ELECT, M21 500FT*												
COMPLETE ROUND	6.010	164,400	36.55									
MN90, CAP, BLASTING NON-ELECTRIC 1000FT M23*												
COMPLETE ROUND	6.295	124,360	50.61									
PRODUCT												
ACCEPTANCE TESTING	0.053											
CONTINGENCY												
INDUSTRIAL STOCK SUPPORT												
PRODUCT ENGINEERING				0.263						0.154		
PRODUCTION ENGINEERING	0.650			0.555						1.008		
QUALITY ASSURANCE	0.040			0.009						0.038		
NONRECURRING												
CONTINGENCY	0.169											
GOVERNMENT FURNISHED MATERIAL				-0.128						-1.355		
PC&H	0.027											
TESTING F/RECLAIMED TNT	0.294											
*UNIT COST PROVIDED BY ARMY ROUNDED TO NEAREST TWO DIGITS												
SUB TOTAL	30.309			11.089			0.000			9.818		
TOTAL	44.128			14.258			0.000			18.266		

Exhibit P-5a, Procurement History and Planning					Weapon System		Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (150000) DEMOLITION MUNITIONS, ALL TYPES						
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
*COMP B TYPE I GRADE A(LB)										
FY 2007	18,908	2.67	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2009	219,457	2.47	JMC, ROCK ISLAND, IL	SEP 08	N/A	STOCK ISSUE	N/A	N/A	YES	
ALUMINUM POWDER (LB)										
FY 2007	5,216	1.26	JMC, ROCK ISLAND, IL	UNKNOWN	C/OPTION	AMPAL INC PALMERTON, PA	APR 07	AUG 07	YES	
TNT TYPE I FLAKE(LB)										
FY 2007	7,824	2.39	JMC, ROCK ISLAND, IL	UNKNOWN	C/OPTION	TBD	APR 07	AUG 07	YES	
M131, CAP, BLASTING NON-ELECTRIC COMPLETE ROUND										
FY 2007	402,037	4.67	JMC, ROCK ISLAND, IL	UNKNOWN	C/OPTION	TECHNICAL ORDNANCE, ST BONIFACIUS, MN	MAR 07	JAN 08	YES	
FY 2009	83,126	4.92	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	APR 09	APR 10	YES	
M421, CHARGE, DEMO SHAPED 40 LB LOAD, ASSEMBLE & PACK (LAP)										
FY 2007	789	557.22	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	APR 07	OCT 08	YES	
FY 2009	6,833	440.44	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	APR 09	OCT 10	YES	
*COMP B TYPE I GRADE A(LB)										
FY 2007	24,495	2.67	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	N/A	N/A	YES	
FY 2009	212,131	2.47	JMC, ROCK ISLAND, IL	UNKNOWN	N/A	STOCK ISSUE	N/A	N/A	YES	
COMP A-3 (LB)										
FY 2007	90	10.60	JMC, ROCK ISLAND, IL	UNKNOWN	SS/FP	TBD	APR 07	FEB 08	YES	
FY 2009	773	11.19	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	APR 09	OCT 09	YES	
TNT TYPE I FLAKE(LB)										
FY 2007	9,798	2.39	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	APR 07	FEB 08	YES	
M456, CORD, DETONATING PETN COMPLETE ROUND										
FY 2006	2,896,477	0.34	JMC, ROCK ISLAND, IL	MAY 06	C/OPTION	ENSGN-BICKFORD SIMSBURY, CT	AUG 06	JUL 07	YES	
M670, FUZE, BLASTING TIME COMPLETE ROUND										
FY 2006	3,914,641	0.24	JMC, ROCK ISLAND, IL	MAY 06	C/OPTION	ENSGN-BICKFORD SIMSBURY, CT	AUG 06	JUL 07	YES	

Exhibit P-21, Production Schedule	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	Weapon System	P-1 Line Item Nomenclature: (150000) DODIC: M757, CHARGE, ASSEMBLY DEMOLITION
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Item	Manufacturer's Name and Location	PRODUCTION RATE			PROCUREMENT LEADTIMES				Total	Unit of Measure
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
M757	1 CRANE AAA, CRANE IN	1	2	5	6	5	12	12	17	K

Fiscal Year 2006	Fiscal Year 2007
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Item	Calendar Year 2006												Calendar Year 2007																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
M757	2007	MC1	6.84	0	6.84																		A							6.84
	2009	MC1	18	0	18																									18

Fiscal Year 2008	Fiscal Year 2009
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Item	Calendar Year 2008												Calendar Year 2009																	
	F	S	Q	D	B	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B
M757	2007	MC1	6.84	0	6.84																									0
	2009	MC1	18	0	18																			A						18

REMARKS: THIS DOES NOT REFLECT THE ARMY'S BUYS WHICH MAKE UP THE CONTRACTOR'S 1-2-5 PRODUCTION RATES.

Exhibit P-40, Budget Item Justification								Date: FEBRUARY 2007			
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Item Nomenclature: (162500) FUZES, ALL TYPES						
Program Element for Code B Items:				Other Related Program Elements							
	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	4.363	1.699	2.330	5.081	0.000	9.765	8.918	19.196		51.352
<p>Description: The Fuze, Point Detonating (PD) M739/M739A1 (DODIC N340) is the latest improved version of the selective impact fuzes for use with bulk loaded high explosive or burster type projectiles. This fuze is fired from the M198 155mm Medium Towed Howitzer and the M777 Lightweight Towed Howitzer Weapon System. The fuze body is a one-piece design of solid aluminum and has a standard 2-inch threaded base to match the nose and fuze cavity of standard artillery projectiles.</p> <p>The M782 Multi-Option Fuze for Artillery (MOFA) (DODIC NA09) is compatible with all current 155mm bursting type artillery projectiles and is fired from the M198 155mm Medium Towed Howitzer and the M777 Lightweight Towed Howitzer Weapon System. The MOFA is inductively set in either the Proximity, Electronic Time, Point detonating, or Delay mode. As a singular replacement for five different fuzes in the Marine Corps' inventory, the MOFA will reduce the logistical footprint and artillery ammunition handling requirements.</p> <p>Fuze Electronic Time (DODIC NA17) is used with projectiles carrying payloads that are expelled during projectile flight (airburst). This fuze is fired from the M198 155mm Medium Towed Howitzer and the M777 Lightweight Towed Howitzer Weapon System. It has the capability to be set inductively or manually.</p> <p>Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.</p> <p>FY06 funding includes \$0.855M in Supplemental funds.</p> <p>FY07 funding includes \$1.136M in Title IX funds.</p>											

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (162500) FUZES, ALL TYPES								
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
HARDWARE												
N340, FUZE, PD M739												
COMPLETE ROUND							0.894	15,959	56.00	2.383	41,723	57.12
M2A1 AMMO CAN*							0.025	1,995	12.35	0.066	5,215	12.59
NA09, MULTI OPTION FUZE FOR ARTILLERY, M782												
FUZE M782	2.761	13,148	210.00									
M2A1 AMMO CAN*	0.020	1,643	12.00									
NA17, FUZE ELECTRONIC TIME M762A1												
FUZE ET M762A1	1.295	12,217	106.00	1.530	14,437	106.00	1.053	6,392	164.80	2.063	12,152	169.74
M2A1 AMMO CAN*	0.019	1,527	12.00	0.022	1,805	12.21	0.010	799	12.44	0.019	1,518	12.68
ACCEPTANCE TESTING	0.127			0.072			0.120			0.174		
PRODUCTION ENGINEERING	0.179			0.097			0.263			0.461		
NON-RECURRING COSTS												
*GOVERNMENT FURNISHED MATERIAL	-0.038			-0.022			-0.035			-0.085		
TOTAL	4.363			1.699			2.330			5.081		

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (162800) NON-LETHALS
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	2.710	5.151	4.191	5.132	3.029	1.972	1.922	1.933		26.040

Description: The Cartridge, 12 Gauge Non-Lethal Bean Bag (DODIC AA29) is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used with the M500, M590, and M870 12 gauge auto-loading and pump action shotguns. The plastic sleeve contains a lead shot-filled fabric or nylon bag.

The Cartridge, 12 Gauge Rubber Fin Stabilized Non-Lethal (DODIC AA31) ammunition is intended for use in crowd control situations where the use of non-lethal force is desired. This cartridge is used with the M500, M590, and M870 12-gauge, auto loading, and pump-action shotguns. The transparent plastic sleeve contains a rubber, fin stabilized projectile.

The Cartridge, 40mm Foam Rubber Baton Non-Lethal (DODIC BA07) is intended for use in scenarios where the use of lethal incapacitating force is not warranted. The cartridge is used in M203 Grenade Launchers. The projectile consists of three foam rubber batons in an aluminum case.

The Cartridge, 40mm Rubber Ball Non-Lethal (DODIC BA08) is intended for use in scenarios where the use of lethal incapacitating force is not warranted. The cartridge is used in the M203 Grenade Launcher. The cartridge contains 22 each .60 caliber rubber balls in an aluminum cartridge case. The rubber balls have a nominal velocity of 325 feet/second at a distance of 3 feet from the muzzle of the M203 Grenade Launcher.

The Charge, Diversionary MK141 Mod 0 (DODIC DWBS) is a pyrotechnic device used for diversionary purposes. The Charge, Diversionary is a low hazard, nonshrapnel producing explosive device that produces an intense flash and sound report with a minimal amount of smoke.

The L96E1 66mm anti riot CS (orthochlorobenzalmalonitrile) grenade (DODIC FZ14) is used in the Light Vehicle Obscurant Smoke System (LVOSS). It is comprised of 23 individual cannisters remotely fired from the vehicle interior.

The L97E1 66mm anti riot cinammic acid grenade (DODIC FZ15) is used in training on the Light Vehicle Obscurant Smoke System (LVOSS). It is comprised of 23 individual cannisters remotely fired from the vehicle interior.

The M98 distraction grenade (DODIC FZ16) uses a pyrotechnic charge for crowd control through audio and visual stimuli. The M98 is used with the Light Vehicle Obscurant Smoke System (LVOSS).

The M99 Blunt Trauma Grenade (DODIC FZ17) uses a pyrotechnic charge to discharge 32 rubber balls and achieve crowd control through physical stimuli. The M99 is used with the Light Vehicle Obscurant Smoke System (LVOSS).

Exhibit P-40, Budget Item Justification, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (162800) NON-LETHALS
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	2.710	5.151	4.191	5.132	3.029	1.972	1.922	1.933		26.040

The Fuze, Hand Grenade M201A1/M201A1-1 (DODIC G874) is a pyrotechnic delay-igniting fuze. The body contains a primer, first-fire mixture, pyrotechnic delay column, and ignition mixture. The M201A1-1 (1330-01-456-5059) is used on the Grenade, Practice Body Non-Lethal (DODIC GG05).

The Grenade, Rubber Ball Non-Lethal (DODIC GG04) is used in crowd control situations where the use of non-lethal force is desired. The grenade body is a rubber sphere that contains a fuze well liner and is filled with a minimum of 100 rubber ball fragments.

The Grenade, Practice Body Non-Lethal (DODIC GG05) is the practice version of DODIC GG04. The grenade body is a rubber sphere that contains a fuze well liner and is filled with .50 caliber rubber pellets. The rubber ball pellets remain within the body. The grenade body was designed to be utilized with the M201A1-1 Pyrotechnic Delay-igniting Fuze (DODIC G874).

The Charge, Diversionary, Bottom Top Venting, BTV-1, (DODIC GG20) is a pyrotechnic device (grenade) used for diversionary purposes. The diversionary charge is a low hazard, nonshrapnel producing explosive device that produces intense flash and sound report. This replaces the Charge, Diversionary MK141 Mod 0 (DODIC DWBS) due to safety and reliability concerns.

The Venom Munitions (Temporary DODIC VNOM) are part of a Non-Lethal munitions delivery system that can be mounted on a variety of tactical vehicles or statically emplaced. Venom munitions consist of two variants; multiple colored smoke or the colored smoke and flash bang combination. Smoke obscuration burn time is 30 seconds and the range is 200 meters. The Venom System will be employed during escalation of force scenarios and at vehicle checkpoints in the Iraqi theater of operations.

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes \$1.070M in Supplemental funds.
FY07 funding includes \$1.137M in Title IX funds.

Exhibit P-40a, Budget Item Justification for Aggregated Items						Date: FEBRUARY 2007				
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Item Nomenclature: (162800) NON-LETHALS						
	ID Code	FY2006	FY2007	FY2008	FY2009					
AA29, CTG, 12 GA BEAN BAG, NON LETHAL	A	0.000	0.185	0.190	0.196					
QTY		0	42,431	64,625	64,473					
AA31, CTG, 12 GA RUBBER, FIN STABILIZED	A	0.000	0.185	0.190	0.196					
QTY		0	61,666	60,317	59,393					
BA07, CTG, 40MM FOAM RUBBER BATON, NON-LETHAL	A	0.000	0.835	0.860	0.886					
QTY		0	105,429	103,489	101,489					
BA08, CTG, 40MM RUBBER BALL, NON-LETHAL	A	0.000	0.181	0.086	0.881					
QTY		0	22,911	10,373	101,264					
DWBS, CHARGE, DIVERSIONARY MK 141/0	A	0.000	0.883	0.000	0.000					
QTY		0	21,562	0	0					
G874, FUZE, GRENADE DETONATING	A	0.000	0.079	0.082	0.084					
QTY		0	21,883	22,043	21,932					
GG04, GRENADE, RUBBER BALL, NON-LETHAL	A	0.000	0.000	0.504	0.725					
QTY		0	0	16,688	22,863					
GG05, GRENADE, HAND, PRACTICE, NON-LETHAL	A	0.000	0.073	0.075	0.077					
QTY		0	5,988	5,859	5,729					
GG20, CHARGE, DIVERSIONARY, BOTTOM TOP VENTING	A	2.210	1.121	0.975	1.044					
QTY		16,056	15,569	13,268	13,742					
VENOM, SMOKE/FLASH BANG, NON-LETHAL	A	0.500	0.000	0.000	0.000					
QTY		8,100	0	0	0					
TOTAL		2.710	3.542	2.962	4.089					

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (162800) NON-LETHALS								
	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
FZ14, RIOT CONTROL (CS) GRENADE L96												
LOAD, ASSEMBLE & PACK (LAP)												
				0.068	375	181.00	0.070	378	185.00	0.072	385	187.00
FZ15, PRAC RIOT CONTRL (CS) GREN L97												
LOAD, ASSEMBLE & PACK (LAP)												
				0.127	1,032	123.00	0.131	1,039	126	0.138	1,078	128.00
FZ16, DISTRACTION GREN, M98 F/LVOS												
LOAD, ASSEMBLE & PACK (LAP)												
				0.401	1,880	213.24	0.413	1,899	217.45	0.426	1,920	221.80
FZ17, BLUNT TRAUMA GREN, M99 F/LVOS												
LOAD, ASSEMBLE & PACK (LAP)												
				0.983	3,944	249.23	0.581	2,283	254.48	0.369	1,420	259.80
PRODUCTION ENGINEERING												
				0.030			0.034			0.038		
TOTAL												
	0.000			1.609			1.229			1.043		

Exhibit P-5a, Procurement History and Planning				Weapon System			Date:					
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition				P-1 Line Item Nomenclature: (162800) NON-LETHALS							FEBRUARY 2007	
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available		
FZ14, RIOT CONTROL (CS) GRENADE L96												
LOAD, ASSEMBLE & PACK (LAP)												
FY 2007	375	181.00	ARDEC, PICATINNY, NJ	OCT 04	SS/FFP	PW DEFENSE, DERBY, UK	MAR 07	MAR 08	YES			
FY 2008	378	185.00	ARDEC, PICATINNY, NJ	OCT 04	SS/OP	PW DEFENSE, DERBY, UK	MAR 08	MAR 09	YES			
FY 2009	385	187.00	ARDEC, PICATINNY, NJ	OCT 04	SS/OP	PW DEFENSE, DERBY, UK	MAR 09	MAR 10	YES			
FZ15, PRAC RIOT CONTRL (CS) GREN L97												
LOAD, ASSEMBLE & PACK (LAP)												
FY 2007	1,032	123.00	ARDEC, PICATINNY, NJ	OCT 04	SS/FFP	PW DEFENSE, DERBY, UK	MAR 07	MAR 08	YES			
FY 2008	1,039	126.00	ARDEC, PICATINNY, NJ	OCT 04	SS/OP	PW DEFENSE, DERBY, UK	MAR 08	MAR 09	YES			
FY 2009	1,078	128.00	ARDEC, PICATINNY, NJ	OCT 04	SS/OP	PW DEFENSE, DERBY, UK	MAR 09	MAR 10	YES			
FZ16, DISTRACTION GREN, M98 F/LVOS												
LOAD, ASSEMBLE & PACK (LAP)												
FY 2007	1,880	213.24	ARDEC, PICATINNY, NJ	OCT 05	WO/CR	PINE BLUFF ARSENAL, PINE BLUFF, AR	APR 07	OCT 08	NO			
FY 2008	1,899	217.45	ARDEC, PICATINNY, NJ	OCT 05	WO/CR	PINE BLUFF ARSENAL, PINE BLUFF, AR	APR 08	JUL 09	NO			
FY 2009	1,920	221.80	ARDEC, PICATINNY, NJ	OCT 05	WO/CR	PINE BLUFF ARSENAL, PINE BLUFF, AR	APR 09	JUL 10	NO			
FZ17, BLUNT TRAUMA GREN, M99 F/LVOS												
LOAD, ASSEMBLE & PACK (LAP)												
FY 2007	3,944	249.23	ARDEC, PICATINNY, NJ	OCT 05	WO/CR	PINE BLUFF ARSENAL, PINE BLUFF, AR	APR 07	OCT 08	NO			
FY 2008	2,283	254.48	ARDEC, PICATINNY, NJ	OCT 05	WO/CR	PINE BLUFF ARSENAL, PINE BLUFF, AR	APR 08	JUL 09	NO			
FY 2009	1,420	259.80	ARDEC, PICATINNY, NJ	OCT 05	WO/CR	PINE BLUFF ARSENAL, PINE BLUFF, AR	APR 09	JUL 10	NO			

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (163000) AMMO MODERNIZATION
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	23.237	7.701	5.264	5.661	9.006	9.170	9.185	9.536		78.760

Description: The 40MM Ammunition Modernization (AM01) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Rockets Ammunition Modernization (AM02) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Line charges Ammunition Modernization (AM03) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Components Ammunition Modernization (AM04) consists of the procurement of components of various items/DODICs and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Missiles Ammunition Modernization (AM05) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

The Quality Evaluation Ammunition Modernization (AM06) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable.

Ammunition modernization (Ammo Mod) consists of the procurement of components, end item modernization, repacking of modernized material and upgrading ammunition stocks suspended from use, and/or declared unsafe or unserviceable

Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes \$15.003M in Supplemental funds.

Exhibit P-40a, Budget Item Justification for Aggregated Items	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (163000) AMMO MODERNIZATION
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	ID Code	FY2006	FY2007	FY2008	FY2009					
AM01, CTG, 40MM	A	0.000	1.374	0.678	1.281					
QTY		0	0	0	0					
AM02, ROCKETS AMMO MOD	A	0.000	1.272	0.316	0.862					
QTY		0	0	0	0					
AM03, LINE CHARGE AMMO MOD	A	0.043	1.272	1.316	0.862					
QTY		0	0	0	0					
AM04, COMPONENTS AMMO MOD	A	1.228	1.272	1.316	0.862					
QTY		0	0	0	0					
AM05, MISSILE COMP AMMO MOD	A	0.043	1.272	0.316	0.862					
QTY		0	0	0	0					
P40A Totals		1.314	6.462	3.942	4.729					

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			ID Code: A	P-1 Line Item Nomenclature: (163000) AMMO MODERNIZATION								
WBS COST ELEMENTS	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
AM06, QUAL EVAL AMMO MOD												
QTY	6.920	0	0.000	1.239	0	0.000	1.322	0	0.000	0.932	0	0.000
AMMO MOD												
QTY	15.003	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000
TOTAL	21.923			1.239			1.322			0.932		

Exhibit P-40, Budget Item Justification	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	20.909	0.097	0.000	4.462	4.453	4.321	4.199	4.239		42.680

Description: This funding (DODIC A001) supports the procurement of components used in building small arms cartridges in support of the Marine Corps Rifle Team, Quantico, Virginia.

The Cartridge, 12 Gauge door breaching MK246 Mod 0 (DODIC A024) is used to destroy locks and hinges on doors and automobiles with little or no collateral damage to the interior.

The Cartridge, Caliber .22 Long Rifle Match (DODIC A091) is used in .22 caliber Remington Model 40X-H1 rifles for military marksmanship training.

The Cartridge, Caliber .30 Blank M1909 (DODIC A222) is used for simulated firing in training or saluting purposes in the M1903 or M1 .30 Caliber Rifles.

The Cartridge, Caliber .45 Ball M1911 (DODIC A475) is intended for use against personnel and used in the M1911/A1 Automatic Pistols, M1, M1A1, and M3 Submachine Guns.

The Cartridge, 12 Gauge #00 Buckshot 3" (DODIC AA60) is used for training, combat, and guard purposes with the Joint Service Combat Shotgun.

The Cartridge, 75mm Blank M337A2 (DODIC C025) consists of a cartridge case of brass or aluminum containing loosely packed black powder and a press-fitted percussion primer. A fiberglass wad is inserted over the black powder and a polystyrene closing cup is cemented in place with a polyester resin adhesive. The M337A2 Cartridge is fired from the M116, M120, M1A1, M1A1C, and M3 Howitzer assemblies.

Funds are identified to support drug interdiction requirements (DODIC: DRUG INT).

Pyrotechnic Lead Spool, Assembly, MK 34 MOD 0 (for Pyrotechnic Lead, 1000 FT) (DODIC: DWEI), is packaged 2 reels per CNU - 405/E Ammunition Container.

Exhibit P-40, Budget Item Justification, Continued	Date: FEBRUARY 2007
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Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION
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Program Element for Code B Items:	Other Related Program Elements
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	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Proc Qty											
Gross Cost	A	20.909	0.097	0.000	4.462	4.453	4.321	4.199	4.239		42.680

Transportation funds (FDTC) are required to support the distribution of Marine Corps' ammunition end items from manufacturing plants assembly points. These funds directly support training and readiness requirements of Marines in the field (CONUS or OCONUS).

The Canine Explosive Scent Kit (DODIC: MN01) is composed of different samples of common explosives used to train dogs to detect explosives. The samples are packaged in individual containers. The types of explosives can vary based on the type of training being conducted. These samples may be of dynamite, time-safety fuze, C4, TNT, detonating cord, smokeless powder, and water gel explosive.

These funds support the Marine Security Guard Battalion (DODIC: MSGB) ammunition requirements which are procured through the U.S. State Department. Funding changes are based on changes in the Total Munitions Requirement, the unit price of the rounds, production issues, MCCDC priorities, changes in starting inventory, the top level funding provided and programmatic issues for over 300 items across the FYDP. Each of these variables change at least once a year and result in fluctuations in the budget.

FY06 funding includes \$16.485M in Title IX funds.
 FY06 funding includes \$0.219M in Supplemental funds.
 FY07 funding includes \$0.097M in Title IX funds.

Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition	P-1 Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION
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	ID Code	FY2006	FY2007	FY2008	FY2009						
A001, RIFLE TEAM AMMUNITION	A	0.306	0.000	0.000	0.000						
QTY		0	0	0	0						
A024, CTG, 12 GAGE LOCKBUSTER	A	0.611	0.000	0.000	0.000						
QTY		1,035,593	0	0	0						
A091, CTG, CAL.22 LR MATCH F/RIFLE	A	0.294	0.000	0.000	0.000						
QTY		1,837,500	0	0	0						
AA60, CTG 12 GUAGE SHOTGUN 3" 00 BUCKSHOT	A	2.439	0.000	0.000	0.000						
QTY		5,189,361	0	0	0						
DWEI, PYROTECHNIC INITIATOR MK34 MOD 0	A	4.577	0.000	0.000	0.000						
QTY		298,564	0	0	0						
MN01, SCENT KIT EXPL DETECT DOG	A	0.061	0.000	0.000	0.000						
QTY		61	0								
MSGB, MARINE SECURITY GUARD BATTALION AMMO	A	1.214	0.000	0.000	0.400						
QTY		0	0	0	0						
P-40A TOTAL		9.502	0.000	0.000	0.400						

Exhibit P-5, Cost Analysis			Weapon System			Date: FEBRUARY 2007						
Appropriation Code/Budget Activity/Serial Number:			ID Code:	P-1 Line Item Nomenclature:								
Procurement of Ammunition, Navy and Marine Corps/2/Ammunition			A	(166000) ITEMS LESS THAN \$5 MILLION								
	FY06			FY07			FY08			FY09		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
WBS COST ELEMENTS												
HARDWARE												
A222, CTG, CAL. 30 BLANK												
LOAD, ASSEMBLE & PACK (LAP)	0.008	30,283	0.26									
BOX METAL M2A1(EA)	0.001	50	9.20									
A475, CTG, CAL .45 BALL												
LOAD, ASSEMBLE & PACK (LAP)	3.601	13,217,703	0.27	0.093	317,870	0.29						
BOX METAL M2A1(EA)	0.116	13,483	8.62	0.003	325	9.24						
C025, CTG, 75MM BLANK SALUTE												
LOAD, ASSEMBLE & PACK (LAP)	0.061	1,354	44.80							0.007	140	48.48
BLACK POWDER CLASS 1 (LB)	0.020	1,354	15.00							0.002	140	15.51
DRUG INTERDICTION (7.62MM - DODIC A151)												
QTY	0.336	800,000	0.42									
FDTC, FIRST DEST TRANS CHARGE												
QTY	7.261									4.053		
QUALITY ASSURANCE	0.003			0.001								
TOTAL	11.407			0.097						4.062		

Exhibit P-5a, Procurement History and Planning					Weapon System			Date:		
Appropriation Code/Budget Activity/Serial Number: Procurement of Ammunition, Navy and Marine Corps/2/Ammunition					P-1 Line Item Nomenclature: (166000) ITEMS LESS THAN \$5 MILLION					
WBS COST ELEMENTS	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method and Type	Contractor and Location	Award Date	Date of First Delivery	Tech Data Available Now?	Date Revisions Available
A222, CTG, CAL. 30 BLANK COMPLETE ROUND										
FY 2006	30,283	0.26	JMC, ROCK ISLAND, IL	DEC 05	C/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	OCT 05	OCT 06	YES	
BOX METAL M2A1(EA)										
FY 2006	40	9.20	JMC, ROCK ISLAND, IL	DEC 05	C/FP	BWAY CORPORATION, ATLANTA, GA	MAR 06	SEP 06	YES	
FY 2006	10	9.20	JMC, ROCK ISLAND, IL	DEC 05	C/FP	BEST FOAM FAB, CHICAGO, IL	JUN 06	SEP 06	YES	
A475, CTG, CAL .45 BALL COMPLETE ROUND										
FY 2006	13,217,703	0.27	JMC, ROCK ISLAND, IL	DEC 05	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	MAY 06	JUL 06	YES	
FY 2007	317,870	0.29	JMC, ROCK ISLAND, IL	DEC 05	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	JAN 07	JUL 07	YES	
BOX METAL M2A1(EA)										
FY 2006*	10,786	8.28	JMC, ROCK ISLAND, IL	DEC 05	C/OP	BWAY CORPORATION, ATLANTA, GA	NOV 05	JUL 06	YES	
FY 2006*	2,697	8.80	JMC, ROCK ISLAND, IL	DEC 05	C/OP	BEST FOAM FAB, CHICAGO, IL	NOV 05	JUL 06	YES	
FY 2007	325	9.24	JMC, ROCK ISLAND, IL	DEC 05	C/OP	BWAY CORPORATION, ATLANTA, GA	MAR 07	MAY 07	YES	
C025, CTG, 75MM BLANK SALUTE LOAD, ASSEMBLE, PACK (LAP) C025										
FY 2006	1,354	44.80	JMC, ROCK ISLAND, IL	DEC 05	C/FP	AMERICAN ORDNANCE, MIDDLETON, IA	SEP 06	APR 07	YES	
FY 2009	140	48.48	JMC, ROCK ISLAND, IL	UNKNOWN	C/FP	TBD	MAR 09	OCT 09	YES	
BLACK POWDER CLASS 1 (LB)										
FY 2006	1,354	15.00	JMC, ROCK ISLAND, IL	DEC 05	C/FP	GOEX INC, DOYLINE, LA	MAR 06	OCT 06	YES	
FY 2006	140	15.51	JMC, ROCK ISLAND, IL	DEC 05	C/FP	GOEX INC, DOYLINE, LA	MAR 09	SEP 09	YES	
DRUG INTERDICTION (7.62MM - DODIC A151)										
FY 2006	800,000	0.42	JMC, ROCK ISLAND, IL	JAN 04	SS/FP	ALLIANT TECH(LCAAP), INDEPENDENCE, MO	MAY 06	JUN 07	YES	
*Unit Price matches Army Pforms										